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## Legislation

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<sup>(1)</sup> Text with EEA relevance.

## II

(Non-legislative acts)

## REGULATIONS

## COMMISSION IMPLEMENTING REGULATION (EU) 2017/293

of 8 February 2017

**entering a name in the register of protected designations of origin and protected geographical indications (West Wales Coracle Caught Salmon (PGI))**

THE EUROPEAN COMMISSION,

Having regard to the Treaty on the Functioning of the European Union,

Having regard to Regulation (EU) No 1151/2012 of the European Parliament and of the Council of 21 November 2012 on quality schemes for agricultural products and foodstuffs <sup>(1)</sup>, and in particular Article 52(2) thereof,

Whereas:

- (1) Pursuant to Article 50(2)(a) of Regulation (EU) No 1151/2012, the United Kingdom's application to register the name 'West Wales Coracle Caught Salmon' was published in the *Official Journal of the European Union* <sup>(2)</sup>.
- (2) As no statement of opposition under Article 51 of Regulation (EU) No 1151/2012 has been received by the Commission, the name 'West Wales Coracle Caught Salmon' should therefore be entered in the register,

HAS ADOPTED THIS REGULATION:

*Article 1*

The name 'West Wales Coracle Caught Salmon' (PGI) is hereby entered in the register.

The name specified in the first paragraph denotes a product in Class 1.7. Fresh fish, molluscs and crustaceans and products derived therefrom, as listed in Annex XI to Commission Implementing Regulation (EU) No 668/2014 <sup>(3)</sup>.

*Article 2*

This Regulation shall enter into force on the twentieth day following that of its publication in the *Official Journal of the European Union*.

<sup>(1)</sup> OJ L 343, 14.12.2012, p. 1.

<sup>(2)</sup> OJ C 396, 27.10.2016, p. 7.

<sup>(3)</sup> Commission Implementing Regulation (EU) No 668/2014 of 13 June 2014 laying down rules for the application of Regulation (EU) No 1151/2012 of the European Parliament and of the Council on quality schemes for agricultural products and foodstuffs (OJ L 179, 19.6.2014, p. 36).

This Regulation shall be binding in its entirety and directly applicable in all Member States.

Done at Brussels, 8 February 2017.

*For the Commission,  
On behalf of the President,  
Phil HOGAN  
Member of the Commission*

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**COMMISSION REGULATION (EU) 2017/294****of 20 February 2017****amending Regulation (EC) No 748/2009 on the list of aircraft operators which performed an aviation activity listed in Annex I to Directive 2003/87/EC of the European Parliament and of the Council on or after 1 January 2006 specifying the administering Member State for each aircraft operator****(Text with EEA relevance)**

THE EUROPEAN COMMISSION,

Having regard to the Treaty on the Functioning of the European Union,

Having regard to Directive 2003/87/EC of the European Parliament and of the Council of 13 October 2003 establishing a scheme for greenhouse gas emission allowance trading within the Community and amending Council Directive 96/61/EC <sup>(1)</sup>, and in particular Article 18a(3)(b) thereof,

Whereas:

- (1) Directive 2008/101/EC of the European Parliament and of the Council <sup>(2)</sup> amended Directive 2003/87/EC to include aviation activities in the scheme for greenhouse gas emission allowance trading within the Union.
- (2) Commission Regulation (EC) No 748/2009 <sup>(3)</sup> establishes a list of aircraft operators which performed an aviation activity listed in Annex I to Directive 2003/87/EC on or after 1 January 2006.
- (3) That list aims to reduce the administrative burden on aircraft operators by providing information on which Member State will be regulating a particular aircraft operator.
- (4) The inclusion of an aircraft operator in the Union's emissions trading scheme is dependent upon the performance of an aviation activity listed in Annex I to Directive 2003/87/EC and is not dependent on the inclusion in the list of aircraft operators established by the Commission on the basis of Article 18a(3) of that Directive.
- (5) Changes to the list of aircraft operators are based on the latest data provided by Eurocontrol.
- (6) This Regulation should enter into force as a matter of urgency in order to meet the deadline for the yearly updating of the list of aircraft operators laid down in Article 18a(3)(b) of Directive 2003/87/EC.
- (7) Regulation (EC) No 748/2009 should therefore be amended accordingly,

HAS ADOPTED THIS REGULATION:

*Article 1*

The Annex to Regulation (EC) No 748/2009 is replaced by the text set out in the Annex to this Regulation.

*Article 2*This Regulation shall enter into force on the third day following that of its publication in the *Official Journal of the European Union*.<sup>(1)</sup> OJ L 275, 25.10.2003, p. 32.<sup>(2)</sup> Directive 2008/101/EC of the European Parliament and of the Council of 19 November 2008 amending Directive 2003/87/EC so as to include aviation activities in the scheme for greenhouse gas emission allowance trading within the Community (OJ L 8, 13.1.2009, p. 3).<sup>(3)</sup> Commission Regulation (EC) No 748/2009 of 5 August 2009 on the list of aircraft operators which performed an aviation activity listed in Annex I to Directive 2003/87/EC on or after 1 January 2006 specifying the administering Member State for each aircraft operator (OJ L 219, 22.8.2009, p. 1).

This Regulation shall be binding in its entirety and directly applicable in all Member States.

Done at Brussels, 20 February 2017.

*For the Commission*

*The President*

Jean-Claude JUNCKER

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## ANNEX

## ANNEX

BELGIUM		
CRCO Identification no.	Operator Name	State of the Operator
31102	ACT AIRLINES	TURKEY
41049	AHS AIR INT	PAKISTAN
7649	AIRBORNE EXPRESS	UNITED STATES
33612	ALLIED AIR LIMITED	NIGERIA
31416	AVIA TRAFFIC COMPANY	TAJIKISTAN
30020	AVIASTAR-TU CO.	RUSSIAN FEDERATION
123	Abelag Aviation NV	BELGIUM
908	BRUSSELS AIRLINES	BELGIUM
25996	CAIRO AVIATION	EGYPT
4369	CAL CARGO AIRLINES	ISRAEL
29517	CAPITAL AVTN SRVCS	NETHERLANDS
f11336	CORPORATE WINGS LLC	UNITED STATES
32909	CRESAIR	UNITED STATES
32432	EGYPTAIR CARGO	EGYPT
f12977	EXCELLENT INVESTMENT LLC	UNITED STATES
32486	FAYARD ENTERPRISES	UNITED STATES
f11102	FedEx Express Corporate Aviation	UNITED STATES
13457	Flying Partners CVBA	BELGIUM
29427	Flying Service N.V.	BELGIUM
24578	GAFI GENERAL AVIAT	SWITZERLAND
32737	GREAT ALLIANCE WORLD	UNITED KINGDOM
f12983	GREEN DIESEL LLC	UNITED STATES
29980	HAINAN AIRLINES (2)	CHINA
23700	HEWA BORA AIRWAYS	CONGO

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**BELGIUM**


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CRCO Identification no.	Operator Name	State of the Operator
28582	INTER WETAILE AG	SWITZERLAND
9542	INTL PAPER CY	UNITED STATES
27709	KALITTA AIR	UNITED STATES
28087	LAS VEGAS CHARTER	UNITED STATES
32303	MASTER TOP LINHAS	BRAZIL
37066	MERIDIAN (AIRWAYS)	BELGIUM
1084	MIL BELGIUM	BELGIUM
31207	N604FJ LLC	UNITED STATES
f11462	N907WS AVIATION LLC	UNITED STATES
26688	NEWELL RUBBERMAID	UNITED STATES
f10341	OfficeMax Inc	UNITED STATES
31660	RIPPLEWOOD AVTN	UNITED STATES
2344	SAUDIA	SAUDI ARABIA
27769	SEA-AIR	BELGIUM
27975	SIA CARGO PTE LTD	SINGAPORE
29222	SILVERBACK CARGO	RWANDA
39079	SOLARIUS AVIATION	UNITED STATES
35334	SONOCO PRODUCTS CO	UNITED STATES
26784	SOUTHERN AIR	UNITED STATES
38995	STANLEY BLACK&DECKER	UNITED STATES
28453	THOMAS COOK ARL BELG	BELGIUM
27011	TNT AIRWAYS	BELGIUM
34920	TRIDENT AVIATION SVC	UNITED STATES
30011	TUI AIRLINES — JAF	BELGIUM
27911	ULTIMATE ACFT SERVIC	UNITED STATES
20065	V L M	BELGIUM
13603	VF CORP	UNITED STATES
36269	VF INTERNATIONAL	SWITZERLAND

**BELGIUM**

CRCO Identification no.	Operator Name	State of the Operator
37064	VIPER CLASSICS LTD	UNITED KINGDOM
f11467	WILSON & ASSOCIATES OF DELAWARE LLC	UNITED STATES
37549	YILTAS GROUP	TURKEY

**BULGARIA**

CRCO Identification no.	Operator Name	State of the Operator
33329	AERO POWER LTD	UNITED KINGDOM
27359	AEROTRANS KAZAKSTAN	KAZAKHSTAN
27698	AEROVISTA	UNITED ARAB EMIRATES
23962	AIR BAN	BULGARIA
35743	AIR IBERIA LTD.	GEORGIA
26520	AIR LIBYA 2	LIBYA
11775	AIR VIA BULGARIAN	BULGARIA
33225	AIR VICTORY	GEORGIA
34357	AIR WEST GEORGIA	GEORGIA
31007	ANIKAY AIR MIDDLE E	JORDAN
36020	ARARAT INTERNATIONAL	ARMENIA
34563	ASIA AIRWAYS	UNITED ARAB EMIRATES
28818	ASIAN SPIRIT	PHILIPPINES
24508	BALTIC AIRLINES UU	RUSSIAN FEDERATION
32131	BEIBARS CJSC	KAZAKHSTAN
28445	BH AIR	BULGARIA
29056	BULGARIA AIR	BULGARIA
27538	BULGARIAN AIR CHRTR.	BULGARIA
25981	CARGO AIR LTD.	BULGARIA
32313	EAST WING KAZAKHSTAN	KAZAKHSTAN
36884	FLY ADJARA	GEORGIA
36995	GR AVIA S.A.	GUINEA

**BULGARIA**

CRCO Identification no.	Operator Name	State of the Operator
10165	HEMUS AIR	BULGARIA
25134	INTERNAL MINISTRY UU	RUSSIAN FEDERATION
28505	IRANIAN AIR TRANSPOR	IRAN, ISLAMIC REPUBLIC OF
31721	JORDAN INT AIR CARGO	JORDAN
27345	KHORIV AVIA	UKRAINE
28246	KOKSHETAU AIRLINE	KAZAKHSTAN
32034	KOMIAVIAVIATRANS 2	RUSSIAN FEDERATION
31019	KREMENCHUK FLIGHT	UKRAINE
38939	KRUNK AVIATION 2	UKRAINE
21448	MOSCOW AIRLINES JSC	RUSSIAN FEDERATION
30622	PMT AIR	CAMBODIA
37661	RGB ENTERPRISES LLC	UNITED STATES
27203	ROSAVIA AIR COMPANY	UKRAINE
32835	SAYAT AIR KAZAKSTAN	KAZAKHSTAN
1830	SENEGALAIR	SENEGAL
32037	SKY JET KAZAKHSTAN	KAZAKHSTAN
32664	STARLINE KZ JSC	KAZAKHSTAN
32347	TABAN AIR	IRAN, ISLAMIC REPUBLIC OF
37954	TROPICAL AIR (Z) LTD	TANZANIA, UNITED REPUBLIC OF
37793	UKRSPECEXPORT	UKRAINE
31648	VIP-AVIA	GEORGIA
37987	YAK AIR	GEORGIA
35082	ZAGROS AIRLINES	IRAN, ISLAMIC REPUBLIC OF

**CROATIA**

CRCO Identification no.	Operator Name	State of the Operator
12495	Croatia Airlines Hrvatska zrakoplovna tvrtka d.d.	CROATIA
42584	LIMITLESS AIRWAYS	CROATIA

CZECH REPUBLIC		
CRCO Identification no.	Operator Name	State of the Operator
30560	ABS JETS INC.	CZECH REPUBLIC
7824	ACL SLOVACKY	CZECH REPUBLIC
35387	ACS SA	SPAIN
16895	AERO VODOCHODY	CZECH REPUBLIC
f11813	AERSALE INC	UNITED STATES
38060	AIR NAVIGATION LK	CZECH REPUBLIC
31304	AIRCRAFT INDUSTRIES	CZECH REPUBLIC
39019	AIRLINE CONT.MNTN EQ	UNITED STATES
31433	ALANDIA AIR AB	FINLAND
30203	ATMA AIRLINES	UNITED ARAB EMIRATES
34057	AVTN SPECIALTIES INC	UNITED STATES
35333	AXIS AVIATION GROUP	UNITED STATES
22621	CAA CZECH REPUBLIC	CZECH REPUBLIC
34430	CAIMITO ENTERP. LTD	CYPRUS
859	CZECH AIRLINES	CZECH REPUBLIC
36294	CZECH CONNECT AIRLIN	CZECH REPUBLIC
33327	EARTH ONE LIMITED	UNITED KINGDOM
f10182	Executive Flight Services, Inc.	UNITED STATES
36242	GEORGIAN INTERNATION	GEORGIA
31631	GLOBAL AVIATION LIBY	LIBYA
36746	HOLIDAY CZECH	CZECH REPUBLIC
35825	HYUNDAI MOTOR CO	KOREA, REPUBLIC OF
32231	ILIN AIRCOMPANY	RUSSIAN FEDERATION
30145	INCLEDON ENTERPRISES	CYPRUS
27908	JOB AIR SRO	CZECH REPUBLIC
39009	JUMP-TANDEM	CZECH REPUBLIC
30825	LETS FLY SRO	CZECH REPUBLIC

**CZECH REPUBLIC**

CRCO Identification no.	Operator Name	State of the Operator
38713	LITTLE AVIATION LTD	AUSTRALIA
32935	MIDAMERICA HOLDINGS	UNITED STATES
3597	MIL CZECH REPUBLIC	CZECH REPUBLIC
30743	NORSE AIR CHARTER	SOUTH AFRICA
29976	NOVA CHEMICALS	UNITED STATES
35361	OKAY HOLDING AS	CZECH REPUBLIC
24121	PETROPAVLOVSK AIR	RUSSIAN FEDERATION
36763	RETENTURA LTD.	CYPRUS
2276	ROCKWELL AUTOMATION	UNITED STATES
f10379	Red.Com	UNITED STATES
32812	SKY DIVING FOR FUN	SLOVAKIA
27292	SKY GEORGIA	GEORGIA
31351	SKY KG AIRLINES	TAJIKISTAN
32157	SKYDIVE LK	CZECH REPUBLIC
37554	SOVEREIGN EXPRESS	VIRGIN ISLANDS, BRITISH
13702	STEVENS EXPRESS	UNITED STATES
24903	TRAVEL SERVIS A.S.	CZECH REPUBLIC
f13143	Timber LLC	UNITED STATES
25890	UKRAINIAN PILOT	UKRAINE
32721	VIDEOTAPE CENTER	UNITED STATES
38948	VIETJET AIR	VIET NAM
39695	YANAIR	UKRAINE

**DENMARK**

CRCO Identification no.	Operator Name	State of the Operator
35753	A/S MAERSK AVIATION	DENMARK
33185	AIR ALPHA A/C SALES	DENMARK
3456	AIR ALSIE	DENMARK

## DENMARK

CRCO Identification no.	Operator Name	State of the Operator
22466	AIR GREENLAND	DENMARK
37856	AIR PANAMA	PANAMA
34774	ALIGAP A/S	DENMARK
36866	ALUMECO A/S	DENMARK
142	ATLANTIC AIRWAYS	DENMARK
36122	AVIATION HOLDINGS	UNITED STATES
39508	BGR I/S	DENMARK
36842	BRASILIA JET CENTER	BRAZIL
32921	CANYON GATE FLT SVCS	UNITED STATES
f14433	CCJJ LLC	UNITED STATES
33047	CITICAPITAL LOCAVIA	FRANCE
27919	DRT VERTRIEBS GMBH	DENMARK
366	Danish Air Transport A/S	DENMARK
f10500	Duchossois Industries, Inc.	UNITED STATES
25431	ELMAGAL AVIATION	SUDAN
26272	EXECUJET EUROPE A/S	DENMARK
35478	FIRST GREENWICH	UNITED KINGDOM
f10218	GCTPA, LLC	UNITED STATES
33254	GE CAPITAL SOLUTIONS	DENMARK
37052	GENCHART B.V.	NETHERLANDS
32364	GLOBAL TRANSERVICE	UNITED STATES
32595	GRAAKJAER A/S	DENMARK
38120	HUNNU AIR	MONGOLIA
36297	JET FLEET INTL	UNITED STATES
32158	JET TIME A/S	DENMARK
34892	JJO Invest ApS	DENMARK
33518	KIRKBI INVEST	DENMARK

**DENMARK**

CRCO Identification no.	Operator Name	State of the Operator
31243	KIRKBI TRADING	DENMARK
34672	LAO CAPRICORN AIR	LAO PEOPLE'S DEMOCRATIC REPUBLIC
38155	MOENS, G	NETHERLANDS
32541	NAPLES FLIGHT MGMT	UNITED STATES
9914	NILAN A/S	DENMARK
12230	Nordic Aviation Capital A/S	DENMARK
34830	OLGA LEASING LTD	BERMUDA
33803	PARTNERSELSKABET	DENMARK
23090	PHARMA NORD	DENMARK
35196	PRIMERA AIR SCAND	DENMARK
29123	RHEINLAND AIR SERV.	GERMANY
31890	ROMANIAN AIRPORT SVC	ROMANIA
37008	SCANDINAVIA EXECUTIV	DENMARK
9918	STAR AIR	DENMARK
36191	SUN WAY GEORGIA	GEORGIA
4357	SUN-AIR of Scandinavia	DENMARK
21484	THOMAS COOK SCAND.	DENMARK
38112	VINCENT AVIATION LTD	NEW ZEALAND
32655	VIP PARTNERFLY	DENMARK
12327	WEIBEL SCIENTIFIC	DENMARK

**GERMANY**

CRCO Identification no.	Operator Name	State of the Operator
31485	328 SUPPORT SERVICES	GERMANY
26507	AAA AVIATION & AIRCR	GERMANY
34963	ACG AIR CARGO	GERMANY
17942	ACH HAMBURG	GERMANY
20017	ACM AIR CHARTER GMBH	GERMANY

## GERMANY

CRCO Identification no.	Operator Name	State of the Operator
24933	ADVANCE AIR LFG	GERMANY
38865	AERO BEE AIRLINES	CANADA
150	AERODIENST	GERMANY
32334	AEROFLOT CARGO	RUSSIAN FEDERATION
11454	AFI FLIGHT INSPECT.	GERMANY
31799	AGRATA AVIATION	ESTONIA
27692	AHSEL HAVA	TURKEY
36719	AIR 1 AVIATION	UNITED STATES
5764	AIR ALLIANCE EXPRESS	GERMANY
22484	AIR ALLIANCE GMBH	GERMANY
36344	AIR ARABIA EGYPT	EGYPT
29576	AIR ARMENIA	ARMENIA
35195	AIR CHINA BUSINESS	CHINA
36986	AIR FINKENWERDER	GERMANY
36989	AIR FUHLBUETTEL	GERMANY
32268	AIR HAMBURG	GERMANY
22378	AIR KUBAN	RUSSIAN FEDERATION
5663	AIR NAMIBIA	NAMIBIA
29743	AIR NATIONAL CORP	NEW ZEALAND
17595	AIR SERVICE BERLIN	GERMANY
31446	AIR TRANSPORT INTL 2	UNITED STATES
17794	AIRBUS HELICOPTERS	GERMANY
32484	AIRCASTLE ADVISOR	UNITED STATES
33817	AIRCRAFT ASSET MGT.	GERMANY
32868	AIRCRAFT GENERAL	ITALY
f11396	AIRCRAFT GUARANTY CORP TRUSTEE	UNITED STATES
34984	AIRCRAFT MNGMT LS	SWITZERLAND
37424	AIRCRAFT PARTNER	GERMANY

## GERMANY

CRCO Identification no.	Operator Name	State of the Operator
36019	AIRCRAFT RENT A.S.	CZECH REPUBLIC
38063	AIRCRAFT SOLUTIONS	LUXEMBOURG
33852	AIRLIFT SERVICE D.O.	MACEDONIA, THE FORMER YUGOSLAV REPUBLIC OF
24283	AIRPHIL EXPRESS	PHILIPPINES
34629	AIRVIP LTD.	BERMUDA
33836	AJWA AVIATION	SAUDI ARABIA
30361	AL HOKAIR	SWITZERLAND
36165	AL SAHAB LIMITED	BAHRAIN
25435	AL-THANI	QATAR
5165	ALPLA AIR CHARTER	AUSTRIA
38135	ALSCO	UNITED STATES
36981	AMENTUM CAPITAL LTD	IRELAND
32684	AMJET AVIATION	UNITED STATES
31290	AOP AIR OPERATING	SWITZERLAND
34337	API HOLDING	GERMANY
33706	ARCAS AVIATION GMBH	GERMANY
27073	ARTOC Group for Investment and Development	EGYPT
38398	ASG AVIATION	GERMANY
35310	ASIA CONTINENT AVIA	KAZAKHSTAN
25551	ASIA CONTINENTAL	KAZAKHSTAN
24940	ASIA TODAY LTD	CHINA
8272	ASL AIRLINES SWISS	SWITZERLAND
14559	ASW Air-Service Werkflugdienst GmbH & Co. KG	GERMANY
40316	ATA CONCEPT GMBH	SWITZERLAND
30698	ATG SWISS FIRST	SWITZERLAND
36360	AUGSBURG AIRWAYS GMB	GERMANY
29122	AURON LTD	BERMUDA

## GERMANY

CRCO Identification no.	Operator Name	State of the Operator
38352	AVAZ D.O.O.	BOSNIA AND HERZEGOVINA
37650	AVIANDO SERVICES	UNITED STATES
31551	AVIATION CAP GRP	UNITED KINGDOM
35968	AVIATION INVESTMENT	GERMANY
35708	AVIATION JOLINA SEC	CANADA
33093	AVIATION PARTNERS S	HONDURAS
38617	AZT LLC	UNITED STATES
f10001	Academy of Art University	UNITED STATES
3647	Adolf Würth GmbH & Co. KG	GERMANY
6802	Aero Personal s.a de c.v.	MEXICO
156	Aeroflot — Russian Airlines	RUSSIAN FEDERATION
35126	Aerologic GmbH	GERMANY
35389	Agiles Aviation GmbH & Co.KG	GERMANY
28844	Air Astana JSC	KAZAKHSTAN
8221	Air Berlin PLC & Co. Luftverkehrs KG	GERMANY
33133	Air China Cargo Co., Ltd	CHINA
786	Air China Limited	CHINA
1562	Air Serbia	SERBIA
22317	Air-Service GmbH	GERMANY
32419	AirBridgeCargo Airlines LLC	RUSSIAN FEDERATION
21756	Airtrans Flugzeugvermietungs GmbH	GERMANY
8901	Archer Daniels Midland Company	UNITED STATES
19480	Asiana Airlines	KOREA, REPUBLIC OF
20979	Atlas Air, Inc.	UNITED STATES
27868	Atlasjet Airlines	TURKEY
7897	BAE SYSTEMS FLT SYST	UNITED STATES
30586	BALL CORP	UNITED STATES

## GERMANY

CRCO Identification no.	Operator Name	State of the Operator
32840	BARBEDOS GROUP LTD	NIGERIA
509	BASF SE	GERMANY
29137	BATAVIA AIR	INDONESIA
35233	BAVARIA INTERNATION	GERMANY
30306	BEDO BETEILIGUNGS	GERMANY
17395	BEEHCRAFT BERLIN	GERMANY
38554	BERATEX GROUP LTD	RUSSIAN FEDERATION
11312	BIZAIR FLUG GMBH	GERMANY
f12963	BLACK FOREST VENTURES LLC	UNITED STATES
28042	BLUE SKY GROUP	UNITED STATES
14658	BMW AG	GERMANY
38111	BOEKHOORN M&A	NETHERLANDS
6667	BOMBARDIER AEROSPACE	UNITED STATES
36062	BORAJET HAVACILIK	TURKEY
37261	BOSTON POST LEASING	UNITED STATES
37922	BOURNEMOUTH AIR LTD.	SWITZERLAND
680	BURDA REISEFLUG	GERMANY
516	Bahag Baus Handelsgesellschaft AG Zug/Schweiz Zweigniederlassung Mannheim	GERMANY
25978	Bauhaus Gesellschaft für Bau- und Hausbedarf mbH & Co.	GERMANY
f10795	Beef Products Inc./BPI Technology Inc.	UNITED STATES
23956	Blue Sky Airservice GmbH	GERMANY
29389	Bombardier PreOwned	UNITED STATES
31614	Bombardier Transportation GmbH	GERMANY
34852	BremenFly	GERMANY
15176	Bundespolizei-Fliegergruppe	GERMANY
32874	Business Jet Ltd	NEW ZEALAND

## GERMANY

CRCO Identification no.	Operator Name	State of the Operator
19823	CA "Air Moldova" IS	MOLDOVA, REPUBLIC OF
33282	CANJET AIRLINES	CANADA
34985	CAPE CHAMONIX WINE	SOUTH AFRICA
32482	CARSON AIR LTD	CANADA
26021	CEBU PACIFIC AIR	PHILIPPINES
30714	CENTRAL MOUNTAIN AIR	CANADA
35194	CHONGQING AIRLINES	CHINA
28178	CIRRUS AVIATION	GERMANY
35527	CLASSIC SERVICES INC	UNITED STATES
36157	CLUB SAAB 340	SWITZERLAND
35148	COBREX TRANS	ROMANIA
4782	COMFORT AIR	GERMANY
23741	COMMANDER MEXICANA	MEXICO
33189	CONTINENT AIRLINE UU	RUSSIAN FEDERATION
31333	CORP JET SVCS	UNITED KINGDOM
39156	CSM MINING SUPPLIES	SOUTH AFRICA
24481	CTL LOGISTICS S.A.	POLAND
35021	Chai Ltd	BERMUDA
35418	Challenge Aero AG	UKRAINE
22448	Cirrus Airlines Luftfahrtgesellschaft mbH	GERMANY
f10709	Colgan Air Services	UNITED STATES
824	Condor Flugdienst GmbH	GERMANY
34179	DAO AVIATION	DENMARK
967	DAS DIRECT AIR	GERMANY
28800	DATELINE OVERSEAS	CYPRUS
30651	DAUAIR	GERMANY
18003	DBA LUFTFAHRTGESELL.	GERMANY

## GERMANY

CRCO Identification no.	Operator Name	State of the Operator
26466	DC Aviation GmbH	GERMANY
f10558	DCS Management Services	UNITED STATES
30996	DEERE & COMPANY	UNITED STATES
38547	DEKALB FARMERS MARK.	UNITED STATES
37580	DERMAPHARM	GERMANY
f10774	DFZ, LLC	UNITED STATES
f10589	DH Flugcharter GmbH	GERMANY
25139	DIETZ AG	GERMANY
37808	DIETZ AVIATION GMBH	GERMANY
18824	DLR BRAUNSCHWEIG	GERMANY
10853	DLR OBERPFAFFENHOFEN	GERMANY
37798	DO-TEC GMBH	GERMANY
27181	DONAVIA JSC	RUSSIAN FEDERATION
35451	DORNIER NO LIMITS	GERMANY
28795	DULCO HANDEL GMBH	GERMANY
968	DUSSMANN P	UNITED STATES
30726	DUTCH ANTILLES EXPR.	ARUBA
4484	Delta Air Lines, Inc.	UNITED STATES
8980	Delta Technical Services Ltd	GERMANY
1776	Deutsche Lufthansa AG	GERMANY
2044	Dr August Oetker KG	GERMANY
8082	E.I. du Pont de Nemours and Company	UNITED STATES
36121	EAT LEIPZIG GMBH	GERMANY
34657	EEA GMBH	GERMANY
31615	EICHSFELD AIR GMBH	GERMANY
35749	EON AVIATION	INDIA
36507	ERSTE ASSET INVEST.	GERMANY

## GERMANY

CRCO Identification no.	Operator Name	State of the Operator
19629	ESCHMANN H D	GERMANY
34011	EURO AIR CHARTER	GERMANY
1980	EUROPEAN AIR EXPRESS	GERMANY
2034	EUROWINGS GMBH	GERMANY
3639	EVERGREEN AIRLINES	UNITED STATES
36357	EXECUJET AVIATION	SOUTH AFRICA
39161	EXECUTIVE JET SERV.	CONGO
31909	EXECUTIVE SVCS (AZ)	UNITED STATES
12213	Emil Capital Partners, LLC	UNITED STATES
f10180	Epps Air Service, Inc.	UNITED STATES
4783	FAI RENT-A-JET	GERMANY
34640	FALCON 007 S.A.R.L.	FRANCE
28589	FANCOURT FLUGCHARTER GmbH & CO KG	SWITZERLAND
33077	FAS GMBH	GERMANY
35937	FINKCAS	GERMANY
27700	FIRST DATA CORP	UNITED STATES
32722	FLIGHT CAL. MALAYSIA	MALAYSIA
22238	FLIGHT CALIBRATION	GERMANY
6705	FLM AVIATION	GERMANY
31012	FLUGSCHULE HAMBURG	GERMANY
38804	FLYING TECHNOLOGY	RUSSIAN FEDERATION
26843	FMG-FLUGSCHULE	GERMANY
1595	FRENZEL G	GERMANY
4232	FRONTIER AIRLINES	UNITED STATES
38973	FUENFTE XR-GMBH	GERMANY
14557	Firma Steiner-Film	GERMANY

## GERMANY

CRCO Identification no.	Operator Name	State of the Operator
1778	Flugbereitschaft des Bundesministerium der Verteidigung (FlBscht BMVg)	GERMANY
32678	Fresena Flug GmbH & Co KG	GERMANY
25111	G-92 KFT	HUNGARY
33827	GABINETTE (ANG)	ANGOLA
36504	GALAXIAS AVIATION	VIRGIN ISLANDS, BRITISH
22807	GAS AIR SERVICE GMBH	GERMANY
33821	GE CAPITAL B.V.	NETHERLANDS
35147	GE CAPITAL SWITZERL.	SWITZERLAND
25027	GEKO TRADE	GERMANY
3349	GENERAL MOTORS	UNITED STATES
36747	GEOJET LUFTFAHR. (2)	GERMANY
39230	GEORGE TOLOFAFI	NIGERIA
31914	GERMAN SKY AIRLINES	GERMANY
38591	GERMANIA EXPRESS	GERMANY
35803	GHASSAN AHMED AL	UNITED ARAB EMIRATES
34848	GLOBAL A/C CONSULT	UNITED STATES
25642	GLOBAL AVTN BERMUDA	BERMUDA
38372	GLOBO AVIACAO	BRAZIL
23743	GOMEL AIRLINES	BELARUS
22366	GOVERNMENT CROATIA	CROATIA
22370	GOVERNMENT MACEDONIA	MACEDONIA, THE FORMER YUGOSLAV REPUBLIC OF
38832	GREENWAY JETS	UNITED STATES
2395	GROB AIRCRAFT AG	GERMANY
32172	GULF JET	UNITED ARAB EMIRATES
9243	Germania Fluggesellschaft mbH	GERMANY
28944	Germanwings GmbH	GERMANY

## GERMANY

CRCO Identification no.	Operator Name	State of the Operator
34841	Gibbs International, Inc.	UNITED STATES
315	Gruss & Company	UNITED STATES
37030	HAMBURG AIRWAYS	GERMANY
26105	HANSGROHE SE	GERMANY
32580	HASLBERGER FINANZ.	GERMANY
31519	HAWKER HUNTER AVTN	UNITED KINGDOM
35307	HELIJET CHARTER	GERMANY
31103	HOMAC AVIATION AG	GERMANY
26281	HTM HELICOPTER TRAVE	GERMANY
27680	HURKUS HAVAYOLU TASIMACILIK VE TIC A.S. (d.b.a. FREEBIRD AIRLINES)	TURKEY
28618	Haworth Transport	UNITED STATES
32953	HeidelbergCement AG	GERMANY
f11187	Herc Management Services LLC	UNITED STATES
33269	Herrenknecht Aviation GmbH	GERMANY
f10652	IAC FALCON HOLDINGS	UNITED STATES
38692	IDEAVILLAGE PRODUCTS	UNITED STATES
35785	IFM Traviation GmbH	GERMANY
39551	IKAR LLC	RUSSIAN FEDERATION
25785	ILYUSHIN AVIATION	RUSSIAN FEDERATION
37757	INFINUM ALTIDO INC.	RUSSIAN FEDERATION
37194	INTERGLOBE AVIATION	INDIA
1528	IRANAIR	IRAN, ISLAMIC REPUBLIC OF
30463	IRAQI AIRWAYS (2)	IRAQ
37529	ISE INFORMATION SYS.	GERMANY
24664	Intermap Technologies	UNITED STATES
35760	JEJU AIR	KOREA, REPUBLIC OF

## GERMANY

CRCO Identification no.	Operator Name	State of the Operator
39559	JESWALT INTL	VIRGIN ISLANDS, BRITISH
11307	JET EXECUTIVE INT.	GERMANY
27505	JET GROUP LTD	ISRAEL
2200	JETAIR FLUG GMBH	GERMANY
16761	JETFLIGHT AVIATION Inc.	SWITZERLAND
3328	JETS EXECUTIVOS	MEXICO
36889	JETSTAR PACIFIC	VIET NAM
21462	JOHNSON CONTROLS	UNITED STATES
36272	JORDAN INTNL	CHINA
11646	JULIUS BERGER	NIGERIA
32107	JUNEYAO AIRLINES	CHINA
36509	JUNKER ERWIN GRINDI	CZECH REPUBLIC
21723	Joint Stock Company Ural airlines	RUSSIAN FEDERATION
1610	KARMANN GMBH	GERMANY
31171	KAZAVIASPAS	KAZAKHSTAN
22239	KIEV AVIATION PLANT	UKRAINE
1652	KOREAN AIR LINES CO., LTD.	KOREA, REPUBLIC OF
21632	KRASNOJARSKY AIRLINE	RUSSIAN FEDERATION
33182	KUGU HAVACILIK	TURKEY
23758	Kimberly-Clark Corporation	UNITED STATES
25800	Knauf Astra Ltd	UNITED KINGDOM
32568	Kompass GmbH & Co. KG	GERMANY
36476	LANARA LTD	UNITED KINGDOM
6383	LECH-AIR FLUGZEUG	GERMANY
20222	LGM LUFTFAHRT GMBH	GERMANY
38914	LIBRA FLUGZEUG GBR	GERMANY
28576	LIBRA TRAVEL	SWITZERLAND

## GERMANY

CRCO Identification no.	Operator Name	State of the Operator
42192	LIEBHERR AVIATION	GERMANY
f12832	LINCARE LEASING LLC	UNITED STATES
1767	LTU LUFTRTRANSPORT	GERMANY
26498	LUFT AVTN CHARTER	AUSTRALIA
34305	LUFTHANSA TECH. VIP	GERMANY
35742	LWE VERMIETUNGS GMBH	GERMANY
28399	Liebherr Geschäftsreiseflugzeug GbR	GERMANY
15456	Luftfahrt-Bundesamt	GERMANY
3857	Lufthansa Cargo AG	GERMANY
27838	Lufthansa Technik AG	GERMANY
f13551	M-BJEP Ltd	ISLE OF MAN
24502	M. Bohlke Veneer Corp.	UNITED STATES
21072	MAHAN AIR	IRAN, ISLAMIC REPUBLIC OF
21878	MAKEDONSKI AVIOTRANS	MACEDONIA, THE FORMER YUGOSLAV REPUBLIC OF
12521	MARXER ANLAGEN	GERMANY
36372	MAT AIRWAYS	MACEDONIA, THE FORMER YUGOSLAV REPUBLIC OF
39087	MAZ AVIATION	SAUDI ARABIA
38074	MENA AEROSPACE (OB)	BAHRAIN
19999	MENEKSE HAVAYOLLARI	TURKEY
37597	MERIDIAN+	RUSSIAN FEDERATION
444	MHS Aviation GmbH	GERMANY
37975	MILLENNIUM AVIATION	AUSTRIA
28438	MLW AVIATION LLC	UNITED STATES
25067	MNG Havayollari ve Tasimacilik A.S. (MNG Airlines)	TURKEY
3057	MOELLERS MASCHINEN	GERMANY
28473	MOONSTAR AVIATION	TURKEY

## GERMANY

CRCO Identification no.	Operator Name	State of the Operator
31944	MYN AVIATION	SAUDI ARABIA
38209	MZ TRANSPORTATION	GERMANY
38512	Microstrategy Services Corporation	UNITED STATES
f13307	Miklos Services Corp.	VIRGIN ISLANDS, BRITISH
24270	Montenegro Airlines	MONTENEGRO
f10785	N16FX Trust	UNITED STATES
f12724	N250RG LLC	UNITED STATES
26118	NASA AMES CENTER	UNITED STATES
33963	NATIONAL LEGACY	KUWAIT
30581	NAYAK AIRCRAFT SERV.	GERMANY
11061	NEUMEYR FLUGGERAETE	GERMANY
15551	NEW YORKER GROUP	GERMANY
24661	NORTH AMERICAN JET	UNITED STATES
29267	NOVELLUS SYSTEMS	UNITED STATES
31791	NOVSPACE	FRANCE
35125	Nasser Ltd	CAYMAN ISLANDS
f13922	Newlead Limited	VIRGIN ISLANDS, BRITISH
12218	Nike, Inc.	UNITED STATES
567	OBO JET-CHARTER GMBH	GERMANY
33138	OCA INTERNATIONAL	GERMANY
2061	OMNIPOL	CZECH REPUBLIC
36743	ORANGE AIRCRAFT (2)	NETHERLANDS
8236	OWENS CORNING CORPORATION	UNITED STATES
25059	Omni Air International	UNITED STATES
23244	Open Joint Stock Company "Rossiya Airlines" JSC "Rossiya Airlines"	RUSSIAN FEDERATION
3343	P&P PROMOTION	GERMANY

## GERMANY

CRCO Identification no.	Operator Name	State of the Operator
852	PARAGON RANCH	UNITED STATES
23471	PCT Powder Coating Technologies Intl. Sarl	SWITZERLAND
10690	PEGASUS HAVA TASIMACILIGI A.S.	TURKEY
19475	PETERS GMBH	GERMANY
37609	PETROPAVLOVSK MC	RUSSIAN FEDERATION
4265	PHIFER WIRE PRODUCTS	UNITED STATES
5225	PHOENIX AIR GMBH	GERMANY
3085	PICTON II LTD	BERMUDA
30230	POLET ACFT MNGT	BERMUDA
36251	POLLARD ACFT SALES	UNITED STATES
37040	PREISS-DAIMLER	GERMANY
28157	PRESIDENTIAL AVTN	UNITED STATES
34505	PRINCESS AVIATION	LEBANON
29307	PRIVATAIR GMBH	GERMANY
34553	PRIVATE JET HOLD.	VIRGIN ISLANDS, BRITISH
12196	PRIVATE WINGS	GERMANY
37417	PRIVATEJET INT. GMBH	GERMANY
12648	Pacelli-Beteiligungs GmbH & Co. KG	GERMANY
33666	Pakistan Aviators and Aviation (Pvt) Ltd	PAKISTAN
29731	Parc aviation	IRELAND
775	Pentastar Aviation, LLC	UNITED STATES
39255	RA DR. JAN PLATHNER	GERMANY
37057	RADIC AVIATION	SAUDI ARABIA
30124	RAE — REGIONAL AIR	GERMANY
32083	RAY ENTERPRISES	UNITED STATES
19436	REGIO AIR MECKLENBRG	GERMANY
33032	RELIANCE COMMERCIAL	UNITED ARAB EMIRATES

## GERMANY

CRCO Identification no.	Operator Name	State of the Operator
30938	RIKSOS TURIZM LT	TURKEY
f13620	RNJ GmbH. & CO KG	GERMANY
32723	RSG RENTAL SERVICES	GERMANY
29927	RUAG AEROSPACE SERV	GERMANY
37464	RUAG SWITZERLAND	SWITZERLAND
36233	RUIZ, L	MEXICO
38246	RUSAERO	RUSSIAN FEDERATION
9200	RYAN INTL AIRLINES	UNITED STATES
38368	RYAN INTL AIRLINES 2	UNITED STATES
29352	Rentair UK Ltd	GERMANY
27446	Rhema Bible Church	UNITED STATES
606	Robert Bosch GmbH	GERMANY
f10788	SAP America Inc.	UNITED STATES
18991	SAP SE	GERMANY
21282	SCHROTT WETZEL GMBH	GERMANY
30971	SEARAY BD100	SOUTH AFRICA
35352	SEGRAVE AVIATION INC	UNITED STATES
31846	SG FINANS A/S NORGE	SWEDEN
27571	SHANGHAI AIRLINES	CHINA
29540	SHENZHEN AIRLINES	CHINA
27735	SIK-AY Hava Tasimacilik A.S.	TURKEY
38681	SILK WAY WEST	AZERBAIJAN
1034	SIRTE OIL	LIBYA
f12146	SIRVAIR, S.A. de C.V.	MEXICO
32179	SKIPPERS AVIATION	AUSTRALIA
2477	SKY JET	SWITZERLAND
37940	SKY SWALLOWS LTD.	RUSSIAN FEDERATION

## GERMANY

CRCO Identification no.	Operator Name	State of the Operator
34392	SKYBUS	KAZAKHSTAN
32816	SKYBUS AIRLINES	UNITED STATES
19819	SKYPLAN SERVICES	CANADA
31870	SM AVIATION	GERMANY
43591	SMALL PLANET	GERMANY
42622	SMART JET AVIATION	RUSSIAN FEDERATION
25050	SMATSA DOO	SERBIA
32544	SMS Aviation GmbH	GERMANY
33747	SOMON AIR	TAJIKISTAN
f11331	SOUTHLAKE AVIATION LLC	UNITED STATES
36224	SPECTRA ENERGY	UNITED STATES
26725	SPIRIT AIRLINES 2	UNITED STATES
36094	SSP AVIATION	INDIA
23935	STAR ARIES SHIPMGMT	CYPRUS
29368	STAR AVIATION LTD.	BERMUDA
15526	STATE ENTERPRISE ANTONOV DESIGN BUREAU	UKRAINE
32361	STRONG AVIATION	KUWAIT
30086	SUMMIT AIR	CANADA
37379	SUNEXPRESS DEUTSCHL.	GERMANY
36720	SWISS AV CONSULTANTS	SWITZERLAND
28910	SWISS GLOBAL JET MGT	SWITZERLAND
f12122	Safeway, Inc.	UNITED STATES
24784	Samsung Techwin Co., Ltd	KOREA, REPUBLIC OF
f10701	Servicios Aereos Regiomontanos, S.A.	MEXICO
21734	Siberia Airlines	RUSSIAN FEDERATION
9354	SkyWork Airlines AG	SWITZERLAND
f12005	Spiral, Inc.	UNITED STATES

## GERMANY

CRCO Identification no.	Operator Name	State of the Operator
29841	Spirit of Spices GmbH	GERMANY
10201	SunExpress (Günes Ekspres Havacılık A.S.)	TURKEY
28362	Sun D'or International Airlines LTD	ISRAEL
12878	Südzucker Reise-Service GmbH	GERMANY
36760	T'WAY AIR CO LTD	KOREA, REPUBLIC OF
8360	TACA	EL SALVADOR
38118	TARONA LTD	VIRGIN ISLANDS, BRITISH
35978	TATHRA INTERNATIONAL	VIRGIN ISLANDS, BRITISH
32576	TB INVEST GROUP	CZECH REPUBLIC
31566	TEAM AVIATION	GERMANY
33120	TEC AIRCRAFT LEASING	AUSTRIA
36210	TESLA AIR	SWITZERLAND
35936	TIGER HERCULES CORP	TAIWAN
21908	TOKOPH D P	SOUTH AFRICA
37070	TREVO AVIATION LTD	UNITED KINGDOM
1389	TUIfly GmbH	GERMANY
33495	TURBOJET KFT	HUNGARY
33979	TURKUAZ AIRLINES	TURKEY
2681	Thai Airways International Public Company Limited	THAILAND
f10445	Thomas H. Lee Partners	UNITED STATES
14993	Thyssenkrupp Dienstleistungen GmbH	GERMANY
31353	Tidnish Holdings Limited	CANADA
2758	Turkish Airlines THY	TURKEY
27079	UKRAINIAN MEDITERRAN	UKRAINE
24948	UKSATSE	UKRAINE
4692	US Airways, Inc.	UNITED STATES
29839	USA 3000 AIRLINES	UNITED STATES

## GERMANY

CRCO Identification no.	Operator Name	State of the Operator
f10464	USAA	UNITED STATES
26886	UTair Aviation, jsc	RUSSIAN FEDERATION
32741	Ulla Popken GmbH	GERMANY
8960	United Parcel Service Co	UNITED STATES
35921	United Therapeutics	UNITED STATES
31984	VARIG LOGISTICA SA	BRAZIL
37759	VENTURE AVTN GROUP	UNITED STATES
5198	VHM SCHUL & CHARTER	GERMANY
31758	VIVAT TRUST LTD.	UNITED KINGDOM
31815	VOLARIS	MEXICO
2840	VOLKSWAGEN AG	GERMANY
2812	VRG Linhas Aereas S/A	BRAZIL
39258	VUKY HOLDINGS LTD	SWITZERLAND
31669	Vacuna Jets Limited	BERMUDA
f10791	Vecellio Management Service	UNITED STATES
2833	Viessmann Werke GmbH & Co. KG	GERMANY
18671	Volga-Dnepr Airlines LLC	RUSSIAN FEDERATION
36235	WATERLOO AVIATION	CANADA
12066	WDL AVIATION	GERMANY
24113	WEBER MANAGEMENT	GERMANY
1323	WEKA Flugdienst GmbH	GERMANY
34391	WHS CONSULTING AG	SWITZERLAND
10834	WIKING HELIKOPTER	GERMANY
33317	WINAIR AUSTRIA	AUSTRIA
34169	WIZZ AIR UKRAINE LLC	UKRAINE
2930	WORLD AIRWAYS	UNITED STATES
30605	Wheels Aviation Ltd	GERMANY

**GERMANY**

CRCO Identification no.	Operator Name	State of the Operator
25225	Windrose Air Jetcharter GmbH	GERMANY
27514	Wirtgen BgmbH	GERMANY
31769	XL Airways Germany GmbH	GERMANY
36920	XR-GMBH	GERMANY
32403	XRS Holdings, LLC	UNITED STATES
33948	ZEUS TAXI AÉREO	BRAZIL
5960	Zeman FTL	GERMANY
24568	ebm-papst Mulfingen GmbH & Co. KG	GERMANY

**ESTONIA**

CRCO Identification no.	Operator Name	State of the Operator
34613	ABELIA TRADING LTD	CYPRUS
22213	ENIMEX	ESTONIA
38113	FL TECHNICS AB	LITHUANIA
22574	MIL JAPAN	JAPAN
10937	MIL RUSSIA	RUSSIAN FEDERATION
1117	MIL SWITZERLAND	SWITZERLAND
35109	NORTH WIND AIRLINES	ESTONIA
38604	SMARTLYNX ESTONIA	ESTONIA
30036	ULS Airlines Cargo	TURKEY
36496	ZAMBEZI AIRLINES	ZIMBABWE

**GREECE**

CRCO Identification no.	Operator Name	State of the Operator
42878	A.A. CIVIL AVIATION	ISRAEL
24601	AERO-KAMOV	RUSSIAN FEDERATION
23232	AEROSVIT	UKRAINE

GREECE		
CRCO Identification no.	Operator Name	State of the Operator
31586	AFRICAN EXPRESS AWYS	KENYA
39537	AIR CANADA rouge LP	CANADA
30742	AIR COLUMBUS UKRAINE	UKRAINE
40237	AIR LEISURE	EGYPT
29972	AIR LINK INTL (CY)	CYPRUS
37802	AIR TRAFFIC LTD	KENYA
28539	AIRCRAFT SUPPRT&SRVC	LEBANON
31252	AMREF FLYING DOCTORS	KENYA
37966	ASPAMIA LLC	UNITED STATES
34238	ASTRA AIRLINES	GREECE
38330	AVIATION SCIENCES CO	SAUDI ARABIA
23359	AVIATRANS K LTD	UKRAINE
20514	Aegean Airlines	GREECE
f12684	Avenge Inc	UNITED STATES
34069	BELRESCUEAVIA	BELARUS
35368	BLUE BIRD AIRWAYS	GREECE
20501	BLUE BIRD AVIATION	KENYA
28245	Belair Airlines Ltd	SWITZERLAND
31747	CAAC FLIGHT INSPECT	CHINA
35729	CASSEL INVEST LTD	VIRGIN ISLANDS, BRITISH
31895	CENTAVIA	SERBIA
31412	COMERAVIA	VENEZUELA, BOLIVARIAN REPUBLIC OF
36915	COMLUX EXCLUSIVE	SWITZERLAND
36113	CONQUISTADOR HELO	UNITED STATES
19644	COSTAIR LTD	GREECE
29987	CRIMEA UNIVERSAL	UKRAINE

## GREECE

CRCO Identification no.	Operator Name	State of the Operator
33761	DAL GROUP (SUDAN)	SUDAN
36466	DESINENCE LTD	VIRGIN ISLANDS, BRITISH
23372	DIAMONDS OF RUSSIA	RUSSIAN FEDERATION
25895	DONBASSAERO	UKRAINE
32795	DOVE AIR INC	UNITED STATES
f11403	DRAGON LEASING CORP	UNITED STATES
30350	EAGLE AIR LTD	UGANDA
35299	ELITE AIRLINES	GREECE
40100	ELLINAIR	GREECE
29509	EMERGENCY UKRAINE	UKRAINE
37223	ENGALY LTD	IRELAND
31744	EUROPEAN AIR CRANE	ITALY
32903	EXECUTIVE AIRL.PTY	AUSTRALIA
35228	FIRST AIRWAYS	GREECE
9532	FL AVIATION NEW JERS	UNITED STATES
34427	FLIGHT OPTIONS (AUS)	AUSTRALIA
31722	GAINJET AVIATION	GREECE
42395	GERMANIA FLUG AG	SWITZERLAND
31659	GHALAYINI I	EGYPT
33178	GLOBAL AIRWAYS (FA)	SOUTH AFRICA
29050	GOLIAF AIR	SAO TOME AND PRINCIPE
17957	GREENLEAF	UNITED STATES
38025	GRYPHON AIRLINES	KUWAIT
f10233	GS 150-217 LLC	UNITED STATES
f11417	GS200 INC TRUSTEE	UNITED STATES
23443	HCAA	GREECE
25221	HELOG AG	SWITZERLAND

## GREECE

CRCO Identification no.	Operator Name	State of the Operator
36373	HERITAGE ACFT LTD	UNITED KINGDOM
36043	HERITAGE AVTN DEV.	UNITED KINGDOM
37699	HERMES AIRLINES	GREECE
f12006	Hanwha Chemical Corporation	KOREA, REPUBLIC OF
38792	INTER ILES AIR	MADAGASCAR, COMOROS, REUNION
32668	INTERISLAND AIRLINES	PHILIPPINES
26787	INTRACOM	GREECE
31881	INTRALOT	UNITED STATES
36434	ISLANDSITE INVEST.	SOUTH AFRICA
31621	JADAYEL AVIATION	SAUDI ARABIA
31622	JET AIRLINES JSC	KAZAKHSTAN
33768	JP AIR OU	ESTONIA
32238	JUBILANT ENPRO PVT	INDIA
30724	KAIZEN AVTN	UNITED STATES
29503	KSENODOXEIA ELLADOS	GREECE
33560	Kenrick Ltd	ISRAEL
29979	LAO AIRLINES	LAO PEOPLE'S DEMOCRATIC REPUBLIC
29995	LEXATA	GREECE
35265	LINAIR LTD.	UNITED KINGDOM
25549	MACEDONIAN AIRLINES	GREECE
32732	MCKINLEY CAPITAL	UNITED STATES
29201	MERPATI NUSANTARA 2	INDONESIA
1099	MIL GREECE	GREECE
21948	MINAIR	CENTRAL AFRICAN REPUBLIC
33733	MOJO AVTN INC/N818LK	BRAZIL
40473	N.Z. VOYAGES	FRANCE

## GREECE

CRCO Identification no.	Operator Name	State of the Operator
35475	NORDSTAR AIRLINES	RUSSIAN FEDERATION
34624	OLYMPIC AIR	GREECE
24067	ORASCOM	EGYPT
21711	ORENBURG AIRLINES	RUSSIAN FEDERATION
22404	OXY USA	UNITED STATES
2055	Olympic Airlines	GREECE
f11496	Owner of the aircraft with registration mark: N517AF	UNITED STATES
f11522	Owner of the aircraft with registration mark: PPBIR	BRAZIL
30316	PAKISTAN STATE	PAKISTAN
37162	PALADIN ENERGY LTD	AUSTRALIA
24760	PALESTINIAN AIRLINES	PALESTINIAN TERRITORY, OCCUPIED
22981	PALMYRA AVIATION LTD	GREECE
27002	PARADISE AVTN	GREECE
34445	PEBUNY LLC	UNITED STATES
28119	POLISH MORSKI	POLAND
34853	PORT SIVIL HAVACILIK	TURKEY
32308	PRIVILIGE JET AIRL.	JORDAN
33252	PROFLIGHT COMM. SVCS	ZAMBIA
35750	QUICK FLIGHT LIMITED	INDIA
30685	REFUSE EQUIPMNT MFTG	SAUDI ARABIA
35603	ROSTVERTOL-AVIA	RUSSIAN FEDERATION
23672	RUSSIAN SKY AIRLINES	RUSSIAN FEDERATION
9012	S & K BERMUDA LTD	BERMUDA
37342	SAFARILINK	KENYA
33531	SEMEYAVIA JSC	KAZAKHSTAN, KYRGYZSTAN
36327	SEVEN X AVIATION	MONTENEGRO

## GREECE

CRCO Identification no.	Operator Name	State of the Operator
32636	SHORT STOP JET CHARTER	AUSTRALIA
34496	SIKORSKY AIRCRAFT 2	UNITED STATES
29176	SINCOM AVIA	UKRAINE
32837	SKOL AIRLINE	RUSSIAN FEDERATION
31109	SKY EXPRESS GREECE	GREECE
31806	SKY WINGS AIRLINES	GREECE
40134	SKYGREECE AIRLINES	GREECE
25475	THAI FLYING SERVICE	THAILAND
31819	TRANS AVIATION	KUWAIT
28601	TRAVCO AIR	EGYPT
9459	UNIVERSAL AIR LINK	UNITED STATES
38722	VAXUCO	VIET NAM
20044	VERAVIA VERNIKOS	GREECE
35002	VERTIR	ARMENIA
37519	WCC AVIATION INC	PHILIPPINES
35700	WEM LINES SA	GREECE
35842	WORLD HEALING CENT 2	UNITED STATES
25058	WORLD HEALING CENTER	UNITED STATES
24805	YAMAL	RUSSIAN FEDERATION
7307	ZAHID TRACTOR	SAUDI ARABIA
35716	ZR AVIATION	LEBANON

## SPAIN

CRCO Identification no.	Operator Name	State of the Operator
26560	245 PILOT SERVICES	UNITED STATES
4648	AERO ANGELES	MEXICO
19709	AERODATA BELGIUM	BELGIUM

## SPAIN

CRCO Identification no.	Operator Name	State of the Operator
36647	AEROGAL	ECUADOR
29663	AEROLANE	ECUADOR
33221	AEROLINEA PRINCIPAL	CHILE
160	AEROLINEAS ARGENTINA	ARGENTINA
20010	AEROLINEAS TEHUACAN	MEXICO
38432	AEROMASTER DEL PERU	PERU
30520	AEROTAXI LOS VALLES	SPAIN
2880	AEROVIAS DE MEXICO	MEXICO
29534	AFRIQUE CARGO SERV	SENEGAL
29323	AIR AMDER	MAURITANIA
24500	AIR COMET S.A.	SPAIN
9345	AIR EUROPA	SPAIN
36047	AIR LOGISTICS (LUX)	LUXEMBOURG
22380	AIR NOSTRUM	SPAIN
39181	AIR ONE AVTN PRIVATE	INDIA
31681	AIR TRACTOR EUROPE	SPAIN
736	AIRBUS DEFENCE-SPACE	SPAIN
38965	AIRBUS HELI ESPANA	SPAIN
7968	AIRBUS HELICOPTER	FRANCE
36793	AIRLEASE CORPORATION	UNITED STATES
34981	AIRLIFT USA LLP	UNITED STATES
20066	AIRLINK SOUTH AFRICA	SOUTH AFRICA
36637	ALBA STAR S.A.	SPAIN
43337	ALLIANCEJET, LLC	RUSSIAN FEDERATION
32075	ALPEMA & TOURISM	SPAIN
29581	AMB GROUP	UNITED STATES
38970	AMERICAN JET S.A.	ARGENTINA

## SPAIN

CRCO Identification no.	Operator Name	State of the Operator
31409	AMERICAN KING AIR FE	UNITED STATES
34891	ANDALUS LINEAS AER.	SPAIN
26796	ANSETT WORLDWIDE	AUSTRALIA
31725	ANTRAK AIR GHANA	GHANA
21575	ARABASCO AVIATION	SAUDI ARABIA
32948	ARKAS S.A.	COLOMBIA
f12734	ASPEN TRADING CORP	UNITED STATES
37408	ASSOCIATED AVTN (2)	NIGERIA
31605	ASTAR (RCH FLIGHTS)	UNITED STATES
9456	AUDELI	SPAIN
42429	AV. NAVAL GUAYAQUIL	ECUADOR
35532	AVEX AIR TRAINING	SOUTH AFRICA
21660	AVIACION COMERCIAL	MEXICO
460	AVIANCA	COLOMBIA
31593	AVIONICA SUVER S.L.	SPAIN
33149	AVPRO INC (2)	UNITED STATES
32450	AWAIR	UNITED KINGDOM
26651	AZUR AIR LLC	RUSSIAN FEDERATION
f10630	Aerolider, S.A. de C.V.	MEXICO
39686	Air Products & Chemicals Inc.	UNITED STATES
29159	Airmax, LLC	UNITED STATES
f10332	Astra 136 LLC	UNITED STATES
f11141	Averuca, C.A.	VENEZUELA, BOLIVARIAN REPUBLIC OF
f11811	BANK OF UTAH TRUSTEE	UNITED STATES
38654	BARRAGAN MIGUEL	MEXICO
32565	BELLON AVIATION LTD.	SWITZERLAND

SPAIN		
CRCO Identification no.	Operator Name	State of the Operator
f13938	BEST FLY S.L	SPAIN
2621	BINTER CANARIAS SA	SPAIN
32392	BIONIC AVIATION CC	SOUTH AFRICA
35545	BRASIL WARRANT	BRAZIL
f12909	BRISAIR S.A.	UNITED KINGDOM
19815	BRISTOW NIGERIA	NIGERIA
f10074	Bank of America, NA	UNITED STATES
38518	Benipaula Inc	UNITED STATES
f12165	Bradleyville, Ltd	UNITED STATES
31613	C.S.P.SOCIETE	MAURITANIA
27598	CABO VERDE EXPRESS	CAPE VERDE
30834	CANADIAN METRO AIRL	CANADA
38558	CANARIAS AIRLINES	SPAIN
36213	CANARY FLY S.L.	SPAIN
35186	CAPITEQ	AUSTRALIA
23687	CASA AIR SERVICES	MOROCCO
32893	CAVERTON HELICOPTERS	NIGERIA
29796	CETO MARKETING S.A.	UNITED KINGDOM
f10706	CI-TEN Leasing Corp.	UNITED STATES
f10567	CITGO Petroleum Corporation	UNITED STATES
36279	CLEARSKIES	AUSTRALIA
38420	COMP. NAT. NAV. SAS	FRANCE
37198	CONF. BRASILEIRA	BRAZIL
36755	CONSORCIO CJPP	BRAZIL
f11327	COOK CANYON (GP) LLC	UNITED STATES
f13639	COOPER AIR REPRESENTAÇÃO COMERCIAL LTDA	BRAZIL
24180	CORP YGNUS AIR S.A.	SPAIN

## SPAIN

CRCO Identification no.	Operator Name	State of the Operator
f14711	CORPORACION CASTILLO BERTRAN	UNITED STATES
32284	CORPORATE OIL & GAS	NIGERIA
36833	COYABA LLC	UNITED STATES
37293	CPC SA	UNITED STATES
f11342	CSC TRUST CO OF DELAWARE TRUSTEE	UNITED STATES
31491	CSIM AIR	UNITED STATES
f11870	Caleton Holdings	CAYMAN ISLANDS
32564	Carabo Capital	UNITED STATES
f12156	CareFusion Corporation	UNITED STATES
39988	Cockrell Resources	UNITED STATES
f11018	Condor Express S.A.	ARGENTINA
f10127	Conforto Empreendimentos e Participacoes Ltda	BRAZIL
f10710	Contessa Premium Foods	UNITED STATES
38519	Corimon CA	CAYMAN ISLANDS
35909	Covington Aviation	UNITED STATES
26776	DEAN FOODS	UNITED STATES
37252	DELAWARE GG INC	UNITED STATES
29208	DES R CARGO EXPRESS	MAURITANIA
35756	DNEST AVIATION	MALAYSIA
3464	DODSON INTERNTL PART	UNITED STATES
33251	DORNIER NIGERIA	NIGERIA
f10136	Dayco Properties Ltd	UNITED STATES
f12879	EAGLE AIR SERVICES CORP	UNITED STATES
35658	EAST COAST JETS INC	UNITED STATES
8808	EASTMAN KODAK	UNITED STATES
31715	ECUATO GUINEANA (2)	EQUATORIAL GUINEA
6101	EDELWEISS SUISSE	SWITZERLAND

## SPAIN

CRCO Identification no.	Operator Name	State of the Operator
37813	EDIFICA 2000	SPAIN
f12753	EDINTON HOLDINGS USA INC	UNITED STATES
35209	EHEIM VERWALTUNGS	GERMANY
30842	EJS-AVIATION SERVICE	BRAZIL
35607	ELYSIAN AIRLINES	GUINEA
38631	EMB EQUIPMENT LLC	UNITED STATES
39123	EMBRAER COMMERCIAL	UNITED STATES
39798	EMBRAER SA-COMMERC.	BRAZIL
f13610	EMSI Aviation	UNITED STATES
31186	ENGUIA GEN CE LTDA	BRAZIL
24823	EUROCONTINENTAL	SPAIN
26217	EUROPEAN FLYERS SL U	SPAIN
40052	EVELOP AIRLINES S.L.	SPAIN
38902	EVOLUTION ASSET MNGT	UNITED STATES
31653	EXEC JET SERVICE (N)	NIGERIA
38423	EXECUFLIGHT INC	UNITED STATES
32736	EXECUTIVE AIR SVCS	UNITED STATES
27226	EXECUTIVE AIRLINES	SPAIN
26852	EXECUTIVE SKYFLEET	UNITED STATES
f10915	Electric Boat Corporation	UNITED STATES
35238	FAIRMONT AVTN COMP	SWITZERLAND
f12978	FATHER & SON AIR LLC	UNITED STATES
18767	FIRST INTL AVTN	UNITED STATES
26564	FL Aviation	UNITED STATES
35848	FLANA	SOUTH AFRICA
38894	FLIGHT PLANS SOLUTI	UNITED STATES
22596	FLIGHTLINE SL	SPAIN

## SPAIN

CRCO Identification no.	Operator Name	State of the Operator
38755	FLY540 ANGOLA	ANGOLA
31915	FLYANT SERVICIOS AER	SPAIN
31970	FLYING FALCON	UNITED STATES
24821	FORMACION AEROFAN SL	SPAIN
32961	FRAPMAG LTD	UNITED KINGDOM
31564	FUGRO AVIAT CANADA	CANADA
36054	FUJI DREAM AIRLINES	JAPAN
35955	FULUCA INVESTMENTS	SOUTH AFRICA
31802	Flo-Sun Aircraft, Inc.	UNITED STATES
4402	GESTAIR	SPAIN
f10220	GG Aircraft LLC	UNITED STATES
38732	GLOBAL FIVE HOLDINGS	UNITED STATES
28586	GO AHEAD INTERNATIONAL	BERMUDA
32506	GOAL VERWALTUNGS (2)	GERMANY
30962	GOF AIR SA DE CV	MEXICO
28810	GOLDNER D	UNITED STATES
34043	GRAND CHINA EXPRESS	CHINA
28228	GUARDA COSTEIRA GV	CAPE VERDE
37447	Ginnaire Rental Inc.	UNITED STATES
f10226	Glass Aviation, Inc.	UNITED STATES
f11875	H&S Air, LLC.	UNITED STATES
27295	HAGEL W	AUSTRIA
32525	HARPO INC	UNITED STATES
31805	HARVARD OIL & GAS	CANADA
28012	HAWKAIRE	UNITED STATES
38138	HEBEI AIRLINES LTD	CHINA
37568	HELITT LINEAS AEREAS	SPAIN

## SPAIN

CRCO Identification no.	Operator Name	State of the Operator
28448	HELVETIC AIRWAYS	SWITZERLAND
31991	HENNIG.	SOUTH AFRICA
f11786	HI FLITE INC	UNITED STATES
34338	HISPANIA FLYJET	SPAIN
28615	HOLA AIRLINES S.L.	SPAIN
33213	HOLLYWOOD AVIATION	UNITED STATES
31093	HONG KONG EXPRESS	HONG KONG SAR
34316	HYUNDAI COLOMBIA	COLOMBIA
31848	HYUNDAY COLOMBIA	COLOMBIA
35962	I FLY LTD	RUSSIAN FEDERATION
1475	IBERIA	SPAIN
38329	IBERIA EXPRESS	SPAIN
25406	IBERWORLD S.A.U.	SPAIN
25843	ICE BIRD	SWITZERLAND
27097	INAER AV.ANFIBIOS	SPAIN
1416	INAER HELI.OFF-SHORE	SPAIN
4470	INDUSTRIAS TITAN	SPAIN
35945	INSEL AIR	ARUBA
37049	INSULAR CLASS SL	SPAIN
36530	INTERALIMENT S.A.L.	LEBANON
f12784	INTERNATIONAL AVIATION LLC	UNITED STATES
32557	INTL CONCERTS	VIRGIN ISLANDS, BRITISH
31816	INTL PRIVATE JET	SWITZERLAND
33401	INTL TRADE HOLDING	KUWAIT
f11397	INVERSIONES LA MESETA C.A.	UNITED STATES
30947	IRS AIRLINES LTD	NIGERIA
29121	ISLAS AIRWAYS	SPAIN

## SPAIN

CRCO Identification no.	Operator Name	State of the Operator
39033	ITABIRA AGRO INDUSTR	BRAZIL
10117	International Lease Finance Corporation	UNITED STATES
39179	Inversiones 2 de Marzo S.A.	UNITED STATES
28372	J.W. Childs Associates	UNITED STATES
31247	JAIR	SOUTH AFRICA
36363	JEM INVESTMENTS	UNITED STATES
f10912	Jorge Gregorio Perez Compac	ARGENTINA
f10284	Jupiter Leasing Inc.	UNITED STATES
34608	KAMA AVIATION	RUSSIAN FEDERATION
22691	KAVMINVODYAVIA	RUSSIAN FEDERATION
32291	KELLY CORP	UNITED STATES
30722	KING AIR & TRAVELS	NIGERIA
22866	KOGALYMAVIA	RUSSIAN FEDERATION
34665	KUNPENG AIRLINES	CHINA
32518	LAI	VENEZUELA, BOLIVARIAN REPUBLIC OF
32926	LAN PERU SA	PERU
f12766	LAS EUGENIAS AIRCRAFT HOLDINGS LLC	UNITED STATES
1689	LATAM AIRLINES GROUP	CHILE
34764	LEGACY ACFT HOLDONGS	UNITED STATES
33087	LEMCO HOLDINGS LTD.	BERMUDA
f10606	LHF Holdings Inc.	UNITED STATES
35540	LIBYAN CAA	LIBYA
37675	LIDER AVIACAO	BRAZIL
8562	LIDER TAXI AEREO	BRAZIL
34815	LIFT IRELAND LEASING	IRELAND
32711	LITORANEA LINHAS AER	BRAZIL

## SPAIN

CRCO Identification no.	Operator Name	State of the Operator
34783	LLC Nord Wind	RUSSIAN FEDERATION
32253	LTH JET LEASING	BRAZIL
30440	Lark Aviation LLC	UNITED STATES
32826	Lewis Aeronautical	UNITED STATES
f14571	Lotca Servicios Integrales S.L.	SPAIN
f12854	M&N EQUIPMENT LLC	UNITED STATES
f11439	MACYS CORPORATE SERVICES INC	UNITED STATES
32725	MALI AIR EXPRESS	MALI
14376	MARTINEZ RIDAO	SPAIN
26115	MEDAIR CHARTER	SOUTH AFRICA
35494	MENA AEROSPEASE	UNITED ARAB EMIRATES
26957	MENAJIAN	UNITED STATES
38791	MENORCA LLC	UNITED STATES
38507	MERAJ AIR	IRAN, ISLAMIC REPUBLIC OF
40210	MERCADONA S.A.	SPAIN
39178	METROPOLITAN AVT LLC	UNITED STATES
14322	MEXICANA	MEXICO
39275	MID-SOUTH INV. LLC	UNITED STATES
34331	MIKES AIRPLANE RENT2	UNITED STATES
1095	MIL SPAIN	SPAIN
26896	MOBIL NIGERIA 2	NIGERIA
10262	MONARCH GEN AVIATION	SWITZERLAND
35701	MULTIPROMOTUR S.L.	SPAIN
f13442	Michigan Aviation LLC	UNITED STATES
f10321	N T Air, Inc.	UNITED STATES
f11388	N450JE LLC	UNITED STATES
32502	NASAIR	SAUDI ARABIA

## SPAIN

CRCO Identification no.	Operator Name	State of the Operator
604	NAYSA	SPAIN
31792	NHT LINHAS AEREAS	BRAZIL
f10331	NII Holdings Inc.	UNITED STATES
31834	NITA JET	UNITED STATES
39070	NNP HOLDING S/A	BRAZIL
36142	NOAR LINHAS AEREAS	BRAZIL
1997	NOMADS	UNITED STATES
32556	NYGREN U	SWEDEN
39746	New Avant Garde Ltd	MALTA
18907	Norman Aviation	UNITED STATES
32396	OBODEN IBRU	UNITED ARAB EMIRATES
35840	OCEANAIR TAXI AEREO	BRAZIL
24549	ODYSSEY AVTN	UNITED STATES
33704	ORIONAIR S.L.	SPAIN
f11479	Owner of the aircraft with registration mark: N142HC	UNITED STATES
f11517	Owner of the aircraft with registration mark: N9895	UNITED STATES
f11523	Owner of the aircraft with registration mark: PPBST	BRAZIL
f12901	Owner of the aircraft with registration mark: PRPSR	BRAZIL
f11552	Owner of the aircraft with registration mark: VTSTV	INDIA
f11553	Owner of the aircraft with registration mark: XAATL	MEXICO
f11556	Owner of the aircraft with registration mark: XABLZ	MEXICO
f12919	Owner of the aircraft with registration mark: XACMM	MEXICO
f11557	Owner of the aircraft with registration mark: XACXW	MEXICO
f12920	Owner of the aircraft with registration mark: XAEAJ	MEXICO
f11559	Owner of the aircraft with registration mark: XAGMD	MEXICO
f12922	Owner of the aircraft with registration mark: XAGMO	MEXICO
f11563	Owner of the aircraft with registration mark: XASKY	MEXICO

## SPAIN

CRCO Identification no.	Operator Name	State of the Operator
f11528	PAIC PARTICIPAÇÕES LTDA	BRAZIL
33299	PALM AVIATION	UNITED ARAB EMIRATES
35266	PCS Aviation Services, LLC	UNITED STATES
f11164	PDVSA Petroleo S.A.	VENEZUELA, BOLIVARIAN REPUBLIC OF
8455	PERSONAL JET FLORIDA	UNITED STATES
35295	PHOENICIA AVIATION	LEBANON
31257	PICK N PAY (2)	SOUTH AFRICA
39318	POLICIA FEDERAL BRAZ	BRAZIL
35542	PORTSIDE INTL LTD	UNITED KINGDOM
32241	PRESIDENTIAL(N981BW)	UNITED STATES
32000	PRIVILEGE STYLE SA	SPAIN
32852	PRIYAN FOUNDATION	UNITED STATES
32480	PRONAIR AIRLINES SL	SPAIN
29804	PUNTO-FA	SPAIN
23017	Perm Airlines	RUSSIAN FEDERATION
34864	Q JETS AVIATION	CANADA
27231	QUANTUM AIR	SPAIN
33067	RAINBOW AIR	VENEZUELA, BOLIVARIAN REPUBLIC OF
12856	RAYTHEON AIRCRAFT	UNITED KINGDOM
f11770	REAL WORLD TOURS INC	UNITED STATES
26960	RED WINGS CJSC	RUSSIAN FEDERATION
32100	RING AIR	UNITED STATES
23739	ROYAL FLIGHT	RUSSIAN FEDERATION
35605	RPK CAPITAL LLC	UNITED STATES
34812	RPK CAPITAL MNGT	UNITED STATES
33521	RYJET	SPAIN

## SPAIN

CRCO Identification no.	Operator Name	State of the Operator
f13673	Redwings, S.A. de C.V.	MEXICO
23071	S ARGENTINA	ARGENTINA
38250	SAETA SL	SPAIN
36517	SAICUS AIR S.L.	SPAIN
25502	SAL EXPRESS	SAO TOME AND PRINCIPE
29057	SANTA BARBARA (2)	VENEZUELA, BOLIVARIAN REPUBLIC OF
32602	SANTANA TEXTIL	BRAZIL
37768	SAPETRO AVIATION LTD	UNITED KINGDOM
29825	SAS INSTITUTE	UNITED STATES
37164	SASEMAR	SPAIN
32195	SATA VENEZUELA	VENEZUELA, BOLIVARIAN REPUBLIC OF
37785	SDE SA	BELGIUM
36925	SEA SA	ARGENTINA
39149	SEGURANCA TAXI AEREO	BRAZIL
37250	SENEGAL AIRLINES LTD	SENEGAL
37448	SERIPATRI PARTICIP	BRAZIL
30674	SEV AEREO POLICIA	SPAIN
36232	SIENNA CORP SERVICES	SWITZERLAND
34785	SIERRA NEVADA CORP.	UNITED STATES
33719	SKY AIR WORLD	AUSTRALIA
25929	SKY SERVICES AVTN	SPAIN
35092	SKYWAY LTD.	GEORGIA
39712	SOL DEL PARAGUAY	PARAGUAY
11926	SONAIR ANGOLA	ANGOLA
33250	SOSOLISO A/L (2)	NIGERIA
19182	SOTAN	BRAZIL

## SPAIN

CRCO Identification no.	Operator Name	State of the Operator
36602	SOUTH AVIATION INC	UNITED STATES
31632	SOUTH EAST ASIAN	PHILIPPINES
4298	SPANAIR S A	SPAIN
28727	SPENAERO	UNITED STATES
31936	SQUADRON AVTN SVCS	BERMUDA
1485	STOCKWOOD V	UNITED STATES
30064	STREAMLINE RUSSIA	RUSSIAN FEDERATION
27934	SUGAR PINE AVIATION LLC	UNITED STATES
34009	SUNRIDER CORPORATION	UNITED STATES
33679	SVS AERO COSTA AZAHA	SPAIN
11309	SWIFTAIR ESPANA	SPAIN
2638	SWISS AIR AMBULANCE	SWITZERLAND
37862	Starwood Management LLC	UNITED STATES
31288	TAG AVTN ESPANA	SPAIN
34933	TAILWIND AIRLINES	TURKEY
12249	TAM AVIAÇÃO EXECUTIVA E TÁXI AÉREO S/A	BRAZIL
22992	TATARSTAN AIRLINES	RUSSIAN FEDERATION
31963	TAXI FLY GROUP SA	SPAIN
f12830	TDC MANAGEMENT LLC	UNITED STATES
35745	TIANJIN AIRLINES	CHINA
34310	TIGER AIRCRAFT TRAD.	UNITED STATES
34198	TITAN AVIATION UAE	UNITED ARAB EMIRATES
27626	TRABAJOS AER ESPEJO	SPAIN
37007	TRABAJOS EXTREMENOS	SPAIN
35159	TRAMAS TEXTILES SA	VENEZUELA, BOLIVARIAN REPUBLIC OF
28247	TRANS AER BOLIVIANA	BOLIVIA, PLURINATIONAL STATE OF

## SPAIN

CRCO Identification no.	Operator Name	State of the Operator
15453	TRANSAERO AIRLINES	RUSSIAN FEDERATION
34609	TRANSCON INVESTMENTS	BRAZIL
36589	TRANSP AEREOS XALAPA	UNITED STATES
34330	TRANSPAIS AEREO	MEXICO
22047	TRANSPORTES DEL SUR	SPAIN
38544	TRIM AIR CHARTER	UNITED STATES
36812	TRINIDAIR UK LTD	UNITED KINGDOM
29974	TURBOR AIR CARGO (2)	SENEGAL
f12239	Tejria Services Limited, Bermuda	BERMUDA
37642	Termo Norte Energia Ltda	BRAZIL
34271	UAML AIR CHARTER	UNITED STATES
24765	UNICASA IND. MOVEIS	BRAZIL
38903	UNIQUE JET AVIATION	UNITED STATES
36046	USN AVIATION LLC	UNITED STATES
37185	UTD BANK OF AFRICA	NIGERIA
8705	VER.SCHWEIZ.FLIEGER	SWITZERLAND
35913	VESEY AIR LLC	UNITED STATES
29086	VIM AIRLINES	RUSSIAN FEDERATION
35330	VIRCOP JETS S.L.	SPAIN
38266	VOLOTEA S.L.	SPAIN
30190	VUELING AIRLINES	SPAIN
29378	WAMOS AIR, S.A.	SPAIN
f12705	WCA HOLDINGS III LLC	UNITED STATES
36586	WIN WIN SERVICES	UNITED STATES
36955	WINGS JET LTD	MOROCCO
35259	WORLD WIDE AC FERRY	CANADA
34390	WTORRE S.A.	BRAZIL

## SPAIN

CRCO Identification no.	Operator Name	State of the Operator
f10475	Westair Corporation	UNITED STATES
35374	XTO ENERGY INC	UNITED STATES

## FRANCE

CRCO Identification no.	Operator Name	State of the Operator
26915	171JC	UNITED STATES
f11472	2 TS LLC	UNITED STATES
24008	223RD FLIGHT UNIT	RUSSIAN FEDERATION
34029	2M EXECUTIVE AVTN	VIRGIN ISLANDS, BRITISH
12312	35-55 PARTNERSHIP	UNITED STATES
29177	900NB	UNITED STATES
28417	AAK COMPANY	BERMUDA
38065	AAR CORP	UNITED STATES
31724	AAS EUROPE	FRANCE
31439	ABC AEROLINEAS SA	MEXICO
28588	ABDULLAH SAID B.	SWITZERLAND
36488	ABSOLUTE AVIATION	SOUTH AFRICA
4306	ACCOR SA	FRANCE
31934	ACFT MGMT & TRADING	UNITED KINGDOM
31617	ACFT SARL 2	LUXEMBOURG
35097	ACTIFLY	FRANCE
30027	ADAM AVIATION	UNITED STATES
27910	ADVANCED TRAINING SY	UNITED STATES
31600	AELIS AIR SERVICES	FRANCE
30943	AERO CAPITAL SAS	FRANCE
32371	AERO JET CORPORATE	FRANCE
31785	AERO SAINT EXUPERY	FRANCE

FRANCE		
CRCO Identification no.	Operator Name	State of the Operator
22257	AERO SERVICES LF	FRANCE
28041	AERO SVC CORPORATE	FRANCE
8491	AERO SVC EXECUTIVE	FRANCE
26891	AEROGAVIOTA	CUBA
33839	AEROJET MANAGEMENT	GERMANY
25901	AEROMAR AIRLINES	MEXICO
33014	AERONEXUS CORP. LTD	SOUTH AFRICA
5461	AEROSTOCK	FRANCE
30336	AFRIJET AIRLINES(2)	NIGERIA
28604	AFRIQIYAH AIRWAYS	LIBYA
36823	AGCORP	UNITED STATES
35102	AGROAIR SAS	FRANCE
1769	AIGLE AZUR	FRANCE
32481	AIR 26	ANGOLA
182	AIR AFFAIRES GABON	GABON
186	AIR ALGERIE	ALGERIA
35192	AIR ARABIA MAROC	MOROCCO
28684	AIR ASIA	MALAYSIA
29420	AIR AUSTRAL 2	FRANCE
35175	AIR BOTSWANA CO.BW	BOTSWANA
30592	AIR BURKINA (2)	BURKINA FASO
29815	AIR CAIRO	EGYPT
33288	AIR CORPORATE FRANCE	FRANCE
38966	AIR COTE D'IVOIRE	CÔTE D'IVOIRE
30879	AIR DECCAN	INDIA
32290	AIR DIVISION KAZAKH	KAZAKHSTAN
227	AIR FRANCE	FRANCE

## FRANCE

CRCO Identification no.	Operator Name	State of the Operator
231	AIR GEFCO	FRANCE
35198	AIR GUYANE	FRANCE
32175	AIR HORIZON (TOGO)	TOGO
30281	AIR IVOIRE (2)	CÔTE D'IVOIRE
31977	AIR KING JET	SWITZERLAND
32016	AIR LEASING	CAMEROON
252	AIR MADAGASCAR	FRANCE
261	AIR MAURITIUS	MAURITIUS
12060	AIR ND	FRANCE
28019	AIR PINK D.O.O.	SERBIA
24430	AIR PRINT	LUXEMBOURG
31913	AIR SARINA	SWITZERLAND
2564	AIR SENEGAL INTL	SENEGAL
5636	AIR SEYCHELLES	SEYCHELLES
26152	AIR SRPSKA	BOSNIA AND HERZEGOVINA
34196	AIR SWIFT LTD.	BERMUDA
25943	AIR TAHITI NUI	FRANCE
31078	AIR TURQUOISE SAS	FRANCE
12593	AIR VENDEE INVEST	FRANCE
34296	AIR WING LTD	BELIZE
2496	AIRBUS OPER. SAS	FRANCE
308	AIRBUS SAS	FRANCE
24094	AIRBUS TRANSPORT	FRANCE
4790	AIRBY	FRANCE
38173	AIRCRAFT MGT SVCES	BELGIUM
30562	AIRCRAFT SALE&LEASE	LUXEMBOURG
32884	AIRCRAFT SUPPORT	LEBANON

## FRANCE

CRCO Identification no.	Operator Name	State of the Operator
31015	AIREDALE ENTERPRISE	UNITED ARAB EMIRATES
18045	AIRFLEET CREDIT	UNITED STATES
18982	AIRFLITE	UNITED STATES
36825	AKDN LOGISTIQUE	FRANCE
8231	AL ANWAE EST	SAUDI ARABIA
36155	AL ATHEER	SAUDI ARABIA
28640	AL MISEHAL GROUP	SAUDI ARABIA
24197	AL NASSR LTD	SWITZERLAND
30177	AL-GHAZZAWI (N450T)	SAUDI ARABIA
27005	AL-GHAZZAWI (N727GG)	SAUDI ARABIA
f10019	ALA Services, LLC	UNITED STATES
21699	ALCATEL USA	UNITED STATES
17947	ALENIA AEROSPAZIO	ITALY
5117	ALL NIPPON AIRWAYS	JAPAN
32632	ALLJETS CAPITAL AVV	RUSSIAN FEDERATION
f11476	ALN (BERMUDA) LTD	BERMUDA
32601	ALPHA CHARLIE	UNITED STATES
35733	ALPHA GOLF AVIATION	MONACO
34201	ALPHA STAR AVTN SVCS	SAUDI ARABIA
38428	ALPHALAND CORP.	PHILIPPINES
37317	ALPIN SKYJETS LTD	SWITZERLAND
26287	ALTONA	SWITZERLAND
2987	ALTRIA CLIENT SVCS	UNITED STATES
35920	ALWAFEER AIR	SAUDI ARABIA
38876	AMAC AEROSPACE SG	SWITZERLAND
35837	AMER GROUP	EGYPT
f836	AMERICAN EAGLE	UNITED STATES

## FRANCE

CRCO Identification no.	Operator Name	State of the Operator
34234	AMERICAN ELECTRIC	UNITED STATES
40684	AMERICAN FLYING JET	UNITED STATES
8928	AMERICAN HOME PROD	UNITED STATES
25806	AMERIDAIR	FRANCE
f12696	AML LEASING LLC	UNITED STATES
32857	ANCFCC	MOROCCO
32747	ANGODIS	ANGOLA
34393	ANISTANTE HOLDING	CYPRUS
38913	ANTARES AGROPECUARIA	BRAZIL
30530	AOSKY CORPORATION	UNITED STATES
984	APACHE AVIATION	FRANCE
6188	APEX OIL COMPANY, INC.	UNITED STATES
f10036	APiGroup, Inc	UNITED STATES
34185	AQUARIUS AVIATION	CAYMAN ISLANDS
37878	ARG SA	BRAZIL
37184	ARGENTRE ENTERPRISE	BRAZIL
406	ARKIA ISRAEL AL	ISRAEL
28382	ARMAVIA AVIACOMPANY LLC	ARMENIA
20337	ARTEMIS S.A.	FRANCE
29210	ASECNA (SENEGAL)	SENEGAL
8624	ASHMAWI AVIATION	SPAIN
27518	ASL AIRLINES	FRANCE
22135	ATLANTA JET	UNITED STATES
10047	ATLANTIQUE AIR ASS	FRANCE
30506	ATLAS BLUE	MOROCCO
9002	ATR (AVIONS DE TR)	FRANCE
36380	AVANGARD AVTN LTD	RUSSIAN FEDERATION

FRANCE		
CRCO Identification no.	Operator Name	State of the Operator
17951	AVDEF	FRANCE
34589	AVEL BRAO	FRANCE
33558	AVIA TREASURY GMBH	AUSTRIA
29467	AVIALAIR	FRANCE
35748	AVIAMARKET LIMITED	UNITED KINGDOM
f11782	AVIATION ASSOCIATES LLC	UNITED STATES
29399	AVIATION CAPITAL GRP	UNITED STATES
26160	AVIATION CMP	CANADA
38193	AVIATION HORIZONS	SAUDI ARABIA
34340	AVIATION INC	UNITED STATES
38085	AVIATION LINK	SAUDI ARABIA
33992	AVIATION PARTNERS 2	UNITED STATES
38198	AVIATRAX	LUXEMBOURG
25574	AVIENT AVIATION	ZIMBABWE
34211	AVIJET UK LTD	UNITED KINGDOM
43651	AVIMAXX	BAHRAIN
36345	AVIONAC FRANCE	FRANCE
23721	AVIREX	GABON
43345	AVIRO AIR	ROMANIA
33168	AVTEX AIR SERVICES	AUSTRALIA
31420	AWSAJ AVIATION SVCS	LIBYA
27710	AXIS AIRWAYS	FRANCE
36972	AZUL LINHAS AEREAS	BRAZIL
f10002	Act Two, Inc.	UNITED STATES
39565	Adams Office LLC	UNITED STATES
32610	Aerorio Taxi Aereo	BRAZIL
30304	Air Caraibes	FRANCE

## FRANCE

CRCO Identification no.	Operator Name	State of the Operator
f2003	Air Century	DOMINICAN REPUBLIC
10054	Air Corsica	FRANCE
f12199	Air Fleet Operations Limited	UNITED KINGDOM
36010	Alpha Jet (Alabama)	UNITED STATES
f791	Amerijet International Aviation	UNITED STATES
f10726	Arcadia Aviation LLC	UNITED STATES
22917	Arlington Aircraft of Nevada LLC	UNITED STATES
f10038	Au Revoir Air	UNITED STATES
f10059	Avenue Distribuidora de Veiculos Ltda	BRAZIL
f10060	Aviation 604 AG	SWITZERLAND
f10061	B H Aviation Ltd	UNITED STATES
34289	B2 FLIGHT LLC	UNITED STATES
37896	BAM AVIATION LLC	UNITED STATES
22230	BANCO SAFRA SA	BRAZIL
12083	BANGKOK AIRWAYS	THAILAND
23830	BB AVIATION INC.	SWITZERLAND
28129	BCA-BUSINESS	FRANCE
37668	BEIJING AIRLINES CO	CHINA
37358	BEIJING CAPITAL	CHINA
27140	BEK AIR	KAZAKHSTAN
35267	BELL FINANCIAL CORP	VENEZUELA, BOLIVARIAN REPUBLIC OF
7723	BELL TEXTRON	UNITED STATES
28608	BERGAIR	SWITZERLAND
36116	BEST AERO HANDLING	RUSSIAN FEDERATION
32888	BEST AVIATION LTD	BANGLADESH
35950	BF JET AIR	GHANA

FRANCE		
CRCO Identification no.	Operator Name	State of the Operator
27458	BHG FLIGHTS LLC	UNITED STATES
32788	BISMILLAH AIRLINES	BANGLADESH
26292	BIZAIR LTD	UNITED KINGDOM
25627	BLUE HERON AVIATION	SWITZERLAND
36583	BLUE HORIZON INV.	CAYMAN ISLANDS
28677	BLUE LINE	FRANCE
33691	BONEL MARKETING S.A.	SWITZERLAND
25099	BOOGIE PERFORMANCE	FRANCE
30550	BOSNIA AIRLINES	BOSNIA AND HERZEGOVINA
35724	BRASIF SA	BRAZIL
34276	BRASS BOX LTD	CYPRUS
34825	BRASSBOX	UKRAINE
21446	BREITLING	SWITZERLAND
38488	BRISTOW AUSTRALIA	AUSTRALIA
8153	BRUME	FRANCE
32896	BUMI RESOURCES	UNITED ARAB EMIRATES
36301	BUQUEBUS	ARGENTINA
32260	BUREAU POLICE AERO.	FRANCE
35325	BURGAN K	KUWAIT
31315	BURMESTER OVERSEAS	VIRGIN ISLANDS, BRITISH
34152	BUSI JET INTL.	SWITZERLAND
32630	BUSINESS AVIATION 2	CONGO
32497	BUSINESS AVIATION LG	BELGIUM
f2008	BVI Airways	VIRGIN ISLANDS, BRITISH
f10079	Beach Capital Management	UNITED STATES
f10082	BelAir Aviation LLC	UNITED STATES
f11004	Billion Mark Ltd	HONG KONG SAR

## FRANCE

CRCO Identification no.	Operator Name	State of the Operator
f10878	Blue Vista, LLC	UNITED STATES
f10647	Bolloré SA	FRANCE
f10834	Boulder Aviation Management	UNITED STATES
f12751	C & S AVIATION LTD	UNITED STATES
38938	C.A.GROUP LTD	VIRGIN ISLANDS, BRITISH
5988	C.T.T.A.	MOROCCO
37649	CALEDONIAN HEL. LTD	UNITED KINGDOM
36413	CALILA INVEST.	BRAZIL
32578	CALVIN KLEIN STUDIO	UNITED STATES
31994	CANADIAN NAT RAILWAY	CANADA
37106	CAOA MONTADORA	BRAZIL
28583	CAPELINK ESTABLISH.	SWITZERLAND
9122	CARTIER EUROPE	NETHERLANDS
34144	CASAM SARL	FRANCE
8921	CASINO ADVANCED TECH	FRANCE
37372	CELINA AVIATION LTD	SWITZERLAND
f12811	CENTER AIR LLC	UNITED STATES
29635	CENTRAL MANAGMT SVCS	UNITED STATES
36944	CERTECO ENGINEERING	AUSTRIA
26842	CFPR	FRANCE
20711	CGTM	FRANCE
37115	CHAD GOVERNMENT	CHAD
29049	CHC HELICOPTERS INTL	CANADA
29834	CHINA CARGO AIRLINES	CHINA
12141	CHINA EASTERN	CHINA
31087	CHURCHILL AVIATION	UNITED STATES
31221	CHURCHILL FINANCE	FRANCE

## FRANCE

CRCO Identification no.	Operator Name	State of the Operator
40109	CHURCHILL SERV	NIGERIA
37193	CLEAR SKY ASSOCIATES	TAIWAN
f11398	CLEVELAND PEAK LLC	UNITED STATES
35400	CLUB 17 S.A.	RUSSIAN FEDERATION
38305	CLUB PREMIER LTD	SWITZERLAND
36701	COMFORT JET AVT	UNITED KINGDOM
4796	COMILOG	GABON
f826	COMMANDEMENT DU TRANSPORT AERIEN MILITAIRE Français	FRANCE
38652	COMORES AVIATION	MADAGASCAR, COMOROS, REUNION
28584	COMPANY TAWIQ	SWITZERLAND
6535	CONSOLIDATED CONTRTS	UNITED KINGDOM
8338	COPLEY NEWSPAPERS	UNITED STATES
6369	CORSAIR FRANCE	FRANCE
12219	COX ENTERPRISES	UNITED STATES
31073	CP MANAGEMENT	UNITED STATES
35062	CPI AVIATION LLC	UNITED STATES
38602	CREDIT SUISSE	SWITZERLAND
3513	CROWN EQUIPMENT	UNITED STATES
862	CUBANA	CUBA
38593	Cedel International Investments, Inc.	UNITED STATES
31812	Cephalon	UNITED STATES
f10556	Challenger Management LLC	UNITED STATES
f13215	Cobalt Resources, LLC	UNITED STATES
f10128	Corporate Flight Alternatives, Inc.	UNITED STATES
31577	D & D AVIATION	UNITED KINGDOM
27974	DAALLO AIRLINES 2	DJIBOUTI

## FRANCE

CRCO Identification no.	Operator Name	State of the Operator
33242	DALCAM LLC	UNITED STATES
31467	DALIA AIRLINES	LUXEMBOURG
3932	DALLAH ALBARAKA	JORDAN
34168	DARTE HOLDINGS	RUSSIAN FEDERATION
18972	DASSAULT AVIATION	FRANCE
1058	DASSAULT FALCON SERV	FRANCE
37864	DDA AVIATION	UNITED STATES
31582	DE ROUBIN JEAN	FRANCE
32809	DEAN PHILLIPS INC	UNITED STATES
11638	DECAUX	FRANCE
35752	DECCAN CARGO	INDIA
35353	DELMUN AVIATION SVCS	BAHRAIN
27665	DIAMAIR	SWITZERLAND
32494	DIEXIM EXPRESSO AV.	ANGOLA
35356	DISTANT HORIZON	ISRAEL
22389	DOUANES FRANCAISES	FRANCE
38450	DSF FLUGZEUGPORTFOLI	GERMANY
24571	DSWA	UNITED STATES
31133	DUNMORE HOMES	UNITED STATES
f10134	Dankjold Reed Aviation LLC	UNITED STATES
27183	Dartswift Aviation, Inc.	UNITED STATES
1139	Dassault falcon jet	UNITED STATES
35657	Dédalus Administração e Participações Ltda.	BRAZIL
f2005	Dominican Republic Air Force	DOMINICAN REPUBLIC
7028	Dow Chemical Company, the	UNITED STATES
35705	EAGLE AVIATION EUROP	FRANCE
35820	EAGLES AVTN MGNT	UNITED ARAB EMIRATES

FRANCE		
CRCO Identification no.	Operator Name	State of the Operator
9703	EARTH STAR	UNITED STATES
31743	EAST STAR AIRLINES	CHINA
34303	EASTINDO	INDONESIA
2850	EASYJET SWITZERLAND	SWITZERLAND
32591	EBONY SHINE	CAYMAN ISLANDS
29279	ECUATORIAL CARGO	EQUATORIAL GUINEA
31985	EGYPT JET AVIATION	EGYPT
f12482	EIGER JET Ltd	BERMUDA
25120	ELBRUS-AVIA AIR ENT.	RUSSIAN FEDERATION
23028	ELI'S BREAD	UNITED STATES
1013	EMERSON ELECTRIC	UNITED STATES
22291	ENAC France	FRANCE
37188	ENEX AVIATION LTD	UNITED KINGDOM
36295	ENHANCE AERO	FRANCE
38636	ENHANCE AERO GROUPE	FRANCE
32775	EQUAFLIGHT SERVICE	CONGO
34778	EQUAJET	CONGO
32084	EQUATORIAL GUINEA	EQUATORIAL GUINEA
f2000	EU Airways	IRELAND
30005	EURL JC DARMON	FRANCE
34293	EURO EXEC Aviation Services LTD	UNITED KINGDOM
35725	EURO JET INTL LTD	UNITED KINGDOM
f10181	EWA Holdings LLC	UNITED STATES
32827	EXEC JET SOLUTIONS	UNITED STATES
36448	EXECUTIVE AIRSHARE	UNITED STATES
39348	EXECUTIVE AUTHORITY	LIBYA
28587	EXECUTIVE JET A/C	CAYMAN ISLANDS

## FRANCE

CRCO Identification no.	Operator Name	State of the Operator
25073	EXECUTIVE JET CHRTR	GERMANY
26060	EXECUTIVE WINGS HE	EGYPT
31131	EXPRESS CAMEL	SAUDI ARABIA
f10175	Emax Oil Company	UNITED STATES
f2004	Estelar	VENEZUELA, BOLIVARIAN REPUBLIC OF
35173	F & L AVIATION	UNITED STATES
34313	FA 116 OU FA 137 INC	SWITZERLAND
15665	FAL HOLDINGS ARABIA	SAUDI ARABIA
25553	FALCON AIR EXPRESS	UNITED STATES
f12819	FALCON AIRCRAFT LEASING LLC	UNITED STATES
31310	FARNER AIRWINGS	SWITZERLAND
39047	FASTJET TANZANIA	TANZANIA, UNITED REPUBLIC OF
37429	FAYCROFT FINANCE CO.	VIRGIN ISLANDS, BRITISH
15911	FC AVIATION	FRANCE
1147	FEDERAL EXPRESS	UNITED STATES
f12735	FG AVIATION LLC	UNITED STATES
f10191	FHC Flight Services LLC	UNITED STATES
28540	FIA (PARIS)	FRANCE
34669	FIREFLY	MALAYSIA
32846	FIRST COMMERCIAL	UNITED STATES
38268	FIRST MANDARIN B.A	CHINA
38238	FIRST RESERVE CORP	UNITED STATES
37747	FJ20-166, LLC	UNITED STATES
31665	FLEET INT AVTN & FIN	UNITED KINGDOM
35764	FLEET MGT AIRWAYS SA	SWITZERLAND
21504	FLICAPE PTY LTD	SOUTH AFRICA

## FRANCE

CRCO Identification no.	Operator Name	State of the Operator
8542	FLIGHT LEVELS	UNITED STATES
27942	FLIGHTEXEC	CANADA
31640	FLIGHTINVEST	LUXEMBOURG
33626	FLY 18	SWITZERLAND
30372	FLY AIR SA	FRANCE
28511	FLY EXEC	LEBANON
30136	FLYBABOO	SWITZERLAND
30343	FLYING BIRD	FRANCE
29223	FLYING FINN OY	FINLAND
31775	FLYING M	UNITED STATES
33632	FLYMEX	MEXICO
39563	FMS-FLEET MGT.SERV.	FRANCE
31116	FOCUS AIR USA	UNITED STATES
32322	FORTUNE AIR	SOUTH AFRICA
29147	FOX AVIATION CANADA	CANADA
f12777	FRANKLIN LAKES ENTERPRISES LLC	UNITED STATES
f11353	FRC HOLDING INC V	UNITED STATES
35426	FTC CONSULTING AG	SWITZERLAND
2804	FUTURA FINANCES	FRANCE
27867	FUTURE ELECTRONICS	CANADA
f12240	Falconwing Limited Bvi	VIRGIN ISLANDS, BRITISH
f10194	Fjet Management, LLC	UNITED STATES
f10203	Fletcher Jones Management Group	UNITED STATES
f11426	G & L AVIATION	UNITED STATES
32621	GABON AIRLINES	GABON
36117	GAETAIR SARL	SWITZERLAND
38839	GAFTREN INVESTMENTS	VIRGIN ISLANDS, BRITISH

## FRANCE

CRCO Identification no.	Operator Name	State of the Operator
31746	GALAXY AIRLINES	JAPAN
36630	GEM AVIATION AVV	UNITED KINGDOM
34971	GEORGETOWN INTERSTAT	UNITED STATES
23693	GEORGIAN AIRWAYS	GEORGIA
35885	GEORGIAN STAR	GEORGIA
32233	GIE-ODER	FRANCE
22850	GIORI ROBERTO	MONACO
31182	GIOSTYLE LLC	UNITED STATES
38481	GIS AVIATION A.V.V.	CYPRUS
37097	GIV-SP AIR SERVICE	RUSSIAN FEDERATION
f11804	GLOBAL CHALLENGER LLC	UNITED STATES
30539	GLOBAL FLIGHT SRVS	UNITED STATES
32997	GLOBAL JET INTL	AUSTRALIA
f12170	GOLD EAGLE LTD	BERMUDA
32508	GOUGH AVIATION	SOUTH AFRICA
22767	GOVERNMENT AIR TRANS	NAMIBIA
22659	GOVERNMENT MONTENEGR	MONTENEGRO
f11352	GREAT BUY INC	UNITED STATES
32749	GUINEA ECUATORIAL	EQUATORIAL GUINEA
f12104	GWI ASSET MANAGEMENT S.A.	BRAZIL
f11448	GYPSY BABY LLC	UNITED STATES
38975	GYRO AIR LTD	NIGERIA
f10223	Glacial Energy	UNITED STATES
f12244	Golden Medal Limited Bvi	VIRGIN ISLANDS, BRITISH
31947	HAGONDALE LTD	UNITED KINGDOM
31731	HALCYONAIR	CAPE VERDE
5362	HALLIBURTON	UNITED STATES

FRANCE		
CRCO Identification no.	Operator Name	State of the Operator
37326	HASHIM BIN SAID	SAUDI ARABIA
33959	HASSANCO S.A.	SWITZERLAND
10105	HAWKER PACIFIC PTE	SINGAPORE
33342	HEAVYLIFT CONGO	CONGO
37863	HELICONIA LS	FRANCE
36756	HELICONIA PALMAIR	MOROCCO
f11024	HENDRICK MOTORSPORTS	UNITED STATES
36374	HERMES EXECUTIVE	VIRGIN ISLANDS, BRITISH
37523	HIGH PERFORMANCE 100	SWITZERLAND
21365	HILL-ROM	UNITED STATES
38899	HOLLYFRONTIER PAY.	UNITED STATES
38750	HOLYPEAK PROPRIETARY	AUSTRALIA
39317	HOP!	FRANCE
26897	HOP-AIRLINAIR	FRANCE
38904	HS AIR FINANCE LLC	BRAZIL
37195	HS Air Finance	BRAZIL
f11464	HYPERION AIR INC	UNITED STATES
f10794	Hagadone Aviation LLC	UNITED STATES
f1434	Horta, LLC	UNITED STATES
37170	Hospitalizacion Clinico C.A.	UNITED STATES
24848	ICEC TOUR SPOL	CZECH REPUBLIC
37906	ID AIR	FRANCE
39137	IFG — INTL FIN. GRP	SWITZERLAND
21442	IGN INST GEO NAT LF	FRANCE
29661	IKAROS AVIATION AVV	UKRAINE
36740	IMD AIRWAYS	SPAIN
32492	INDIA FLYSAFE AVTN	INDIA

## FRANCE

CRCO Identification no.	Operator Name	State of the Operator
33071	INDUSTR. AERONAUTICA	COLOMBIA
36832	INDUSTRY EAST EUROPE	SWITZERLAND
33559	INDYCAR AVIATION	UNITED STATES
30427	INFINIT AIR	SPAIN
34222	INLOGS INTERNATIONAL	UNDEFINED
33654	INTER AMERICAN	ANGOLA
23792	INTERCON USA	UNITED STATES
31081	INTERFACE OPS LLC	UNITED STATES
31965	INTERGLOBE AVTN LTD	INDIA
37561	INTL GAMING TECH	UNITED STATES
32524	INVESTAVIA	KAZAKHSTAN
f11248	IP Aviation L.P.	CANADA
f12706	ISLAND PARK AVIATION LLC	UNITED STATES
33890	ISLENA INVERSIONES	HONDURAS
21879	ISRAIR AIRLINES & TOURISM LTD	ISRAEL
30038	IXAIR	FRANCE
37780	Inversiones Davanic	COLOMBIA
f10263	Ithaca LLC	UNITED STATES
28006	JAPAT	SWITZERLAND
31296	JAZEERA AIRWAYS	KUWAIT
32986	JBS CONSULTING LLC	UNITED STATES
31772	JCAS	SWITZERLAND
26998	JDP FRANCE	FRANCE
26479	JET 2000	RUSSIAN FEDERATION
30713	JET AVIATION AG	SWITZERLAND
30385	JET AVIATION FZCO	UNITED ARAB EMIRATES
26911	JET BLUE AIRWAYS	UNITED STATES

FRANCE		
CRCO Identification no.	Operator Name	State of the Operator
37719	JET CONNECTIONS	UNITED KINGDOM
32217	JET CRUISING	LUXEMBOURG
34614	JET DIRECT AVIATION	UNITED STATES
33015	JET MANAGEMENT SA	SWITZERLAND
33769	JET ONE JSC	KAZAKHSTAN
32848	JET PREMIER ONE	SWITZERLAND
38174	JET XPRESS	CÔTE D'IVOIRE
31581	JET4YOU	MOROCCO
31137	JETS RENT AVTN	FRANCE
38847	JETSTAR JAPAN	JAPAN
f12768	JIMMIE JOHNSON RACING II INC	UNITED STATES
29395	JR EXECUTIVE	LEBANON
f10277	Jereissati Participacoes S/A	BRAZIL
f13613	Jet Select LLC	UNITED STATES
6510	KALAIR LTD.	UNITED STATES
34887	KALDERON LTD	UNITED KINGDOM
28504	KARTHAGO AIRLINES	TUNISIA
34348	KARTHAGO PRIVATE JET	TUNISIA
38123	KAS CORPORATION LTD.	LEBANON
30709	KAZAVIA	KAZAKHSTAN
32381	KB HOME	UNITED STATES
29190	KBBD	UNITED STATES
35242	KNIGHT AVIATION LLC	UNITED STATES
34843	KOSTAR AIRLINES	KOREA, REPUBLIC OF
35727	KREDEL INTERNATIONAL	VIRGIN ISLANDS, BRITISH
f10290	KW Flight, LLC/Central Missouri Aviation, Inc.	UNITED STATES
f12041	Key Aviation LLC	UNITED STATES

FRANCE		
CRCO Identification no.	Operator Name	State of the Operator
37923	LA AVIATION	SWITZERLAND
40758	LA COMPAGNIE	FRANCE
1971	LABORATOIRE ASL	FRANCE
30455	LAS VEGAS JET	UNITED STATES
33111	LAYAN INTL.	VIRGIN ISLANDS, BRITISH
30595	LEACH CAPITAL	UNITED STATES
2816	LEGENDAIR LTD.	SWITZERLAND
13358	LIBYAN AIR CARGO	LIBYA
26342	LIGNES AER. CONGO.	CONGO
4489	LIMITED BRANDS SERVICE COMPANY	UNITED STATES
f904	LINEAS AEREAS SUDAMERICANAS	COLOMBIA
25272	LOTUS AIR	EGYPT
33450	LOV'AIR AVIATION	FRANCE
24211	LOWA LTD	UNITED STATES
28079	LOYD'S BUSINESS JETS	POLAND
f10303	LR Enterprises Management LLC	UNITED STATES
37092	LUIS FUENMAYOR	UNITED STATES
31034	LUKOIL-AVIA SWISS	SWITZERLAND
29070	LUXFLIGHT EXECUTIVE	LUXEMBOURG
7764	LVMH SERVICES	FRANCE
37071	LX AVIATION (SPV)LTD	VIRGIN ISLANDS, BRITISH
19696	LYRECO	FRANCE
f11360	LYS LLC	UNITED STATES
f10875	Layla Jet	BERMUDA
f13333	Ligon Air LLC	UNITED STATES
f10304	Luciano Antonio Zogbi	BRAZIL
39587	M-EDIA AVIATION LTD	UNITED KINGDOM

FRANCE		
CRCO Identification no.	Operator Name	State of the Operator
33834	M. SQUARE AVIATION	BERMUDA
34423	MACAU JET INTL	CHINA
29993	MAG AVIATION	UNITED STATES
26383	MAGIC CONDOR LTD	BERMUDA
f11359	MAGIC JOHNSON ENTERTAINMENT INC	UNITED STATES
34992	MAINSAIL TRADING 93	SOUTH AFRICA
32078	MALIBU CONSULTING	UNITED STATES
34975	MALU AVIATION	CONGO
23021	MANAG'AIR	FRANCE
34019	MANO RIVER	UNITED STATES
1824	MARIN	FRANCE
37003	MARITIME INVESTMENT	MONACO
1976	MARITIME INVESTMENT AND SHIPPING CO. LTD.	UNITED KINGDOM
36263	MAROC TELECOM	MOROCCO
1831	MARTIN BAKER	UNITED KINGDOM
32707	MASC AIR LTD	CAYMAN ISLANDS
27014	MASTERJET SWITZ.	SWITZERLAND
34840	MASWINGS SDN. BHD.	MALAYSIA
40818	MATRIX AVIATION 650	UNITED KINGDOM
33238	MAURITANIA AIRWAYS	MAURITANIA
37893	MAURITANIE AIRLINES	MAURITANIA
31978	MAXWELL AVIATION INC	UNITED STATES
27863	MAYES JOHN	UNITED STATES
43460	MAZEN SHALABI	SAUDI ARABIA
f12986	MB AVIATION LLC	UNITED STATES
30315	MCKINLEY ACFT HLDNG	UNITED STATES
31545	MDA SAS	FRANCE

## FRANCE

CRCO Identification no.	Operator Name	State of the Operator
31140	ME LEASING	UNITED STATES
1855	MEA AIR LIBAN	LEBANON
38759	MEGA GLOBAL AIR	MALDIVES
9689	MELVIN SIMON & ASSOCIATES, INC.	UNITED STATES
21443	METEO-FRANCE	FRANCE
f10316	MFP Services LLC	UNITED STATES
28986	MHS AVIATION SDN BHD	MALAYSIA
37403	MIAMI FERRY CONTRACT	UNITED STATES
36859	MIDAS AIR	UNITED STATES
29971	MIDDLE EAST JET SVCS	LEBANON
617	MIL BRAZIL	BRAZIL
702	MIL CANADA	CANADA
36031	MIL ECUADOR AIRFORCE	ECUADOR
1098	MIL FRANCE	FRANCE
1800	MIL MALAYSIA	MALAYSIA
34821	MILLETREIZE	FRANCE
26724	MILLION AIR SALT LAK	UNITED STATES
35609	MINISTRY DEF SLOVENI	SLOVENIA
36033	MISH AVIATION SVCS	GHANA
31556	MISTRAL AEREO	CANADA
31331	MITRE AVIATION LTD	UNITED KINGDOM
38259	MOHAMED BEKKALI	MOROCCO
35060	MOISEEV ALEX	MONACO
35455	MONT BLANC AVIATION	BERMUDA
38782	MONTEBELLO LTDA	BRAZIL
32755	MONTROSE GLOBAL	UNITED KINGDOM
7058	MORRIS COMMUNICATION	UNITED STATES

FRANCE		
CRCO Identification no.	Operator Name	State of the Operator
34441	MOSCOW HELICOPTER	RUSSIAN FEDERATION
f11405	MOSS JERONE S TRUSTEE	UNITED STATES
35975	Macbens Patrimonial Ltda	HUNGARY
f14311	Malridge Investments Ltd	VIRGIN ISLANDS, BRITISH
f13614	Mark Anthony Group Inc	CANADA
f10420	Marmalade Skies LLC	UNITED STATES
30280	Marsico Aviation, LLC	UNITED STATES
f12655	Mass Jet Lease	PHILIPPINES
f10313	Mendota Aircraft Management	UNITED STATES
24019	Mid East Jet	SAUDI ARABIA
28010	Mondoil	UNITED STATES
31770	N304RJ	UNITED STATES
32270	N349BA	UNITED STATES
32370	N72RK	UNITED STATES
f1000	NAM AIRLINES	UNITED STATES
31025	NATASCHA ESTABLISHMENT	UNITED ARAB EMIRATES
26668	NATIONAL AIR SERVICE	SAUDI ARABIA
28966	NATIONAL AVIATION 2	EGYPT
34727	NATIONAL CITY COMM	UNITED STATES
38371	NAVINTAIR INC	UNITED STATES
31097	NEBULA LTD.	BERMUDA
38228	NEGRI IMMOBILIARE	ITALY
32424	NEW AXIS AIRWAYS	FRANCE
34651	NEW CAIRO REAL EST	EGYPT
32626	NEWCASTLE AIRCRAFT	UNITED STATES
35373	NEXT GENERATION VENT	UNITED STATES
38125	NEXUS FLT OPS SVCS	SAUDI ARABIA

## FRANCE

CRCO Identification no.	Operator Name	State of the Operator
20855	NIGERIAN POLICE	NIGERIA
35941	NILE AIR	EGYPT
31199	NISSAN NTH AMERICA	UNITED STATES
32959	NOFA AVIATION	UNITED ARAB EMIRATES
32963	NORDEX AIR	RUSSIAN FEDERATION
38103	NORTH STAR AVTN LTD	SWITZERLAND
10326	NOUVELAIR TUNISIE	TUNISIA
33212	NPM MANAGEMENT	UNITED STATES
36629	NW NORTHWEST	SWITZERLAND
22190	NWT AIRCRAFT	UNITED STATES
32861	NY JETS TRANSPORTER	BERMUDA
f12094	Naja Locação Empresarial LTD	BRAZIL
34415	Nomad Aviation	SWITZERLAND
31264	O AIR	FRANCE
30908	OCANA ASSETS LTD	UNITED STATES
38509	ODYSSEE JET SA	LUXEMBOURG
12316	OFTC.Inc.	UNITED STATES
28984	OLDBURY HOLDINGS	UNITED ARAB EMIRATES
35132	OMEGA VII	FRANCE
34603	OMYA INTERNATIONAL	SWITZERLAND
30957	ONE THIRTY NINE	LUXEMBOURG
36166	ONEXP	DENMARK
32311	OPENSKIES	FRANCE
31341	ORIENT GLOBAL AVTN	SINGAPORE
36943	ORION AIR GROUP	UNITED STATES
28050	OUTFITTER AVIATION	UNITED STATES
4139	OYONNAIR	FRANCE

## FRANCE

CRCO Identification no.	Operator Name	State of the Operator
29465	Oakmont Holdings, LLC	UNITED STATES
f10340	Oakwood Books, Inc.	UNITED STATES
31395	Outpost International, LLC	UNITED STATES
32859	Ovlas sa	NIGERIA
f11748	Owner of the aircraft with registration mark: 5YJLF	KENYA
f11755	Owner of the aircraft with registration mark: GGJMB	UNITED KINGDOM
f11525	Owner of the aircraft with registration mark: PRAGP	BRAZIL
f12903	Owner of the aircraft with registration mark: PRROZ	BRAZIL
f12918	Owner of the aircraft with registration mark: XACHE	MEXICO
25856	PACE CARGO ENTERRP	UNITED STATES
31966	PALMAIR AVIATION	MOROCCO
38406	PARADOX BIRDS	UNITED STATES
26289	PARAFFIN AIR	UNITED STATES
36994	PEABODY ENERGY	UNITED STATES
38284	PEACH AVIATION	JAPAN
35524	PETRO AIR	LIBYA
34403	PHEBE LIMITED	UNITED KINGDOM
33969	PHENOMAIR	FRANCE
32252	PLANET AVIATION UU	RUSSIAN FEDERATION
f11455	PLEASANT AIRCRAFT LEASING LLC	UNITED STATES
2176	PPG INDUSTRIES	UNITED STATES
38693	PREMAIR (WI) 2	INDONESIA
32060	PREMIER AIR	UNITED STATES
36197	PRESTIGE JET JORDAN	JORDAN
35261	PRESTOIL SAS	FRANCE
35401	PRINCESS AVIATION DT	TUNISIA
4095	PRIVATAIR	SWITZERLAND

FRANCE		
CRCO Identification no.	Operator Name	State of the Operator
24429	PRIVATAIR SA	PORTUGAL
35093	PRIVATE JETS LUXEMB.	LUXEMBOURG
32346	PROFRED PARTNERS LLP	UNITED KINGDOM
36931	PSD	FRANCE
f11206	PVM Management LLC	UNITED STATES
f10350	Pacific Coast Feather Company	UNITED STATES
30188	Pacific Connection Inc.	UNITED STATES
36039	Paradox Security Sys	CANADA
29691	Pinnacle Aviation	UNITED STATES
f12236	Power Ease Investments Limited BVI	VIRGIN ISLANDS, BRITISH
31595	Premier Aviation	RUSSIAN FEDERATION
28189	Proair charter	GERMANY
22432	QATAR AMIRI FLIGHT	QATAR
38078	QUEST TRADING, LLC	UNITED STATES
1427	RAININ AIR	UNITED STATES
36817	RCR JETS AG	SWITZERLAND
f11026	RD HUBBARD ENTERPRISES INC.	UNITED STATES
34087	REAL EXECUTIVE GMBH	SWITZERLAND
37695	REAL FLY SARL	MOROCCO
31655	REATEX INVEST	VIRGIN ISLANDS, BRITISH
2232	REGOURD AVIATION	FRANCE
30061	REIMS AVIATION IND	FRANCE
23719	RIDA AVIATION LTD	BERMUDA
f10973	RJ CORMAN Aviation Services LLC	UNITED STATES
34680	RJH ADVISORY	UNITED STATES
31630	RJM AVIATION	CHAD
32627	RNW ENTERPRISES, LLC	UNITED STATES

## FRANCE

CRCO Identification no.	Operator Name	State of the Operator
30374	RONSO SA DE CV	MEXICO
31808	ROTOR TRADE 2	UNITED STATES
31026	ROUST TRADING	UNITED ARAB EMIRATES
36887	ROUTE 450 INVESTMENT	BRAZIL
27737	ROXBURY TECHNOLOGIES	SWITZERLAND
258	ROYAL AIR MAROC	MOROCCO
37548	RSR-614RD	UNITED STATES
35879	RUBICON AVIATION	UNITED KINGDOM
35828	Related Companies	UNITED STATES
f14565	Retraite Verte Limited	VIRGIN ISLANDS, BRITISH
f10385	Rex Realty Co	UNITED STATES
f10387	Rio Bonito Comunicacao Ltda	BRAZIL
f10391	Roux Investment Mngt Co	UNITED STATES
22656	S EGYPT	EGYPT
22439	S ALGERIE	ALGERIA
13351	S BURKINA FASO	BURKINA FASO
22442	S CONGO D.R. (KIN)	CONGO
22575	S DJIBOUTI	DJIBOUTI
22426	S GABON	GABON
32125	S GAMBIA (2)	GAMBIA
22438	S MONACO	MONACO
22524	S NIGERIA	NIGERIA
22576	S SENEGAL	SENEGAL
22977	S TCHAD	CHAD
33152	SAAD AIR LTD	BAHRAIN
22756	SABRINA FISHERIES	UNITED STATES
38042	SABY FINANCE	RUSSIAN FEDERATION

## FRANCE

CRCO Identification no.	Operator Name	State of the Operator
27640	SAESA	SPAIN
f11791	SAF FLIGHT LLC	UNITED STATES
37497	SAFEGUARD SOLUTIONS	ARUBA
34967	SAINTEX AERO SARL	FRANCE
25946	SALEM AVIATION	SAUDI ARABIA
f2007	SAP Air (Servicios Aéreos Profesionales, S.A)	DOMINICAN REPUBLIC
5373	SATENA	COLOMBIA
36114	SAUCAR LIMITED	UNITED KINGDOM
5432	SAUDI OGER	SAUDI ARABIA
30067	SAVENCIA	BELGIUM
20462	SBD BRETONNE DEVELOP	FRANCE
31959	SBM GROUP	UNITED STATES
32560	SCD BV	NETHERLANDS
28744	SCHREINER CAMEROUN	CAMEROON
31358	SCM ARUBA A.V.V.	ARUBA
32411	SCOTTS MIRACLE-GRO	UNITED STATES
22328	SECURITE CIVILE LF	FRANCE
36018	SEGERIS CAPITAL LTD	BRAZIL
1249	SELIA	FRANCE
27881	SERLUX	LUXEMBOURG
33112	SEVENTH SENSE STAR	BERMUDA
35652	SFD RUSSIA	RUSSIAN FEDERATION
f12875	SHADOWFAX LLC	UNITED STATES
f12810	SHORENSTEIN PROPERTIES LLC	UNITED STATES
30513	SICHUAN AIRLINES (3)	CHINA
5468	SIGAIR LTD	BERMUDA
34418	SIGMA AVIATION	IRELAND

## FRANCE

CRCO Identification no.	Operator Name	State of the Operator
f12744	SILVER LAKE AVIATION LLC	UNITED STATES
32728	SILVER VENTURES INC	UNITED STATES
2466	SIRIUS	SWITZERLAND
32892	SIRTE OIL COMPANY	LIBYA
24200	SIT-SET AVTN AG	SWITZERLAND
35424	SJ MANAGEMENT LLC	UNITED STATES
27746	SK TRAVEL	UNITED STATES
38247	SKY LINER AVIATION	SWITZERLAND
43301	SKY PRIME AVTN SRV	SAUDI ARABIA
37810	SKYFIRST	FRANCE
40301	SKYMARK AIRLINES INC	JAPAN
38576	SKYSCRAPER LTD	UNITED KINGDOM
30105	SKYTRADERS PTY	AUSTRALIA
34050	SKYWAY LTD	RUSSIAN FEDERATION
19462	SKYWORK AIRLINES	SWITZERLAND
35371	SL Management	UNITED STATES
32149	SMART AVIATION	FRANCE
32805	SMART AVIATION HE	EGYPT
f13550	SME Equipment Leasing	UNITED STATES
31695	SN AIR MALI	MALI
37745	SN TRANS HELICOPTERE	FRANCE
29738	SNC BOETOS	FRANCE
30770	SNC CAVOK	FRANCE
37669	SNS IMPORTADORA	BRAZIL
33859	SOBEYS CAPITAL INCORPORATED	CANADA
3517	SOFAXIS	FRANCE
22730	SOGERMA	FRANCE

## FRANCE

CRCO Identification no.	Operator Name	State of the Operator
26645	SONNIG	SWITZERLAND
40696	SONNIG INT PRVT JET	UNITED ARAB EMIRATES
42857	SORENS AERO LIMITED	RUSSIAN FEDERATION
38553	SORENS GROUP LTD	RUSSIAN FEDERATION
26378	SOUTHERN AIRLINES	NIGERIA
5752	SOUTHERN CROSS USA	UNITED STATES
35993	SPACEWING COMPANY	SAUDI ARABIA
17921	SPECIALISED TRANSP.	UNITED KINGDOM
37714	SPEEDFLY SARL	FRANCE
39251	SPEEDWINGS BUSINESS SA	SWITZERLAND
27840	SPHINX WINGS	SWITZERLAND
40089	SPIRE FLIGHT SOL.	UNITED STATES
34595	SPRING MOUNTAIN (2)	UNITED STATES
32789	SPRINGWAY LTD	RUSSIAN FEDERATION
32899	SRIWIJAYA WORLD FUEL	SINGAPORE
39234	SRTS	FRANCE
26231	STAFF AIR SERVICE	FRANCE
35477	STAR AIRWAYS ALBANIA	ALBANIA
35421	STAR JET LTD	UNITED STATES
2574	STARJET AVIATION	SWITZERLAND
24204	STARLING AVIATION	UNITED ARAB EMIRATES
33748	STARLINK AVIATION	CANADA
31400	STARR EQUIPMENT	UNITED STATES
28169	STATE AIR BERKUT	KAZAKHSTAN
28156	STEELCASE	UNITED STATES
37550	STEELE AVIATION INC	UNITED STATES
32436	STENSRUD VENTURES	UNITED STATES

## FRANCE

CRCO Identification no.	Operator Name	State of the Operator
33040	STORMJETS SA	SWITZERLAND
4488	STRASBOURG AVIATION	FRANCE
35602	STRATEGIC AIR. SAS	FRANCE
39210	SUBURBAN MOTORS COMP	UNITED STATES
35339	SUKHOI CIVIL ACFT	RUSSIAN FEDERATION
31657	SUN AIR (EGYPT)	EGYPT
23210	SUNRISE (ALSHOROOK)	EGYPT
30157	SUPER CONSTELLATION	SWITZERLAND
25392	SWIFT-AERO, JSC	RUSSIAN FEDERATION
30257	SYMPHONY MASTER	SWITZERLAND
33362	SYMPHONY MASTER UAE	UNITED ARAB EMIRATES
38298	SYPHAX AIRLINES	TUNISIA
f12601	Sapphire International Group, Inc	UNITED STATES
37718	Sfera Jet LLC	RUSSIAN FEDERATION
38579	Sino Jet Management Limited	CHINA
f10403	Skye Gryphon, LLC	UNITED STATES
f12484	Sonic Financial	UNITED STATES
21791	Southern Cross International	NETHERLANDS
f10419	Stephens Investment Holdings LLC	UNITED STATES
f11008	Success Master Ltd	VIRGIN ISLANDS, BRITISH
5967	Synthes USA Sales LLC	UNITED STATES
38197	TAA AVIATION LTD	SWITZERLAND
27385	TAF LINHAS AEREAS	BRAZIL
159	TAG AVIATION SA	SWITZERLAND
26797	TAK AVIATION UK LTD	UNITED KINGDOM
4386	TAM LINHAS AEREAS	BRAZIL
37224	TAMARA NIGER AVIATIO	NIGER

FRANCE		
CRCO Identification no.	Operator Name	State of the Operator
35843	TANELA VENTURES LTD	RUSSIAN FEDERATION
26582	TASSILI AIRLINES SA	ALGERIA
31962	TAT LEASING	FRANCE
24156	TAXI AIR JET-FRET	FRANCE
36518	TERRY BROWN	CANADA
28634	THALES	FRANCE
799	THE COCA-COLA COMPANY	UNITED STATES
32042	THE FUTURA CORP	CANADA
21075	THERMO FISHER SCIENTIFIC	UNITED STATES
30353	TIGER AIRWAYS SINGPR	SINGAPORE
31882	TIKO AIR (2)	MADAGASCAR
24764	TOTAL LINHAS AEREAS	BRAZIL
31535	TOUMAI AIR TCHAD SA	CHAD
31676	TOWER HOUSE CONSULT.	GAMBIA
29860	TPS	UNITED STATES
26086	TRADLUX	LUXEMBOURG
37172	TRANS AER MAR CORTES	MEXICO
34062	TRANSAIR CARGO SVC	CONGO
12193	TRANSASIA AIRWAYS	TAIWAN
32673	TRANSAVIA FRANCE SAS	FRANCE
f11432	TRANSWESTERN TRANSPORTS LLC	UNITED STATES
35158	TRIBECA AVT PARTNERS	UNITED STATES
30112	TRIGANA AIR SERVICE	INDONESIA
2752	TUNIS AIR	TUNISIA
31018	TURNBERRY MANAGEMENT	UNITED STATES
21666	TUTOR SALIBA CORPORATION	UNITED STATES
28237	TWIN JET	FRANCE

FRANCE		
CRCO Identification no.	Operator Name	State of the Operator
28467	TY AIR INC	UNITED STATES
f10437	Target Corporation	UNITED STATES
f10497	The Yucaipa Companies LLC	UNITED STATES
36894	Thorn Air Ltd	UNITED STATES
f10498	Tracinda Corporation	UNITED STATES
f11188	Triam Fund Management	UNITED STATES
28221	UAS UNITED AVIATION	UNITED ARAB EMIRATES
f10814	UETA, Inc.	UNITED STATES
22150	UKRAINE AIR ALLIANCE	UKRAINE
38877	UNI AIR TAIWAN	TAIWAN
34820	UNIFOX HOLDINGS LTD	BELIZE
32094	UNION PACIFIC CORP	UNITED STATES
34874	UNITED AVIATION (OM)	LIBYA
38621	UNITED AVTN MGMT	SAUDI ARABIA
28092	UNITED HEALTHGROUP	UNITED STATES
3329	United Technologies Corporation	UNITED STATES
24318	VALAVIA	FRANCE
28829	VALIANT AVIATION	BERMUDA
10637	VALMONT	UNITED STATES
30253	VENTURA AVIATION	MONACO
34280	VEREIN DC3	SWITZERLAND
40919	VGS ACFT LEASING	UNITED KINGDOM
37581	VIA JETS OOD.SRL	BULGARIA
19445	VIETNAM AIRLINES JSC	VIET NAM
33703	VIKING AVIATION LTD.	UNITED KINGDOM
23952	VOLARE AIRCOMPANY	UKRAINE
38134	VOLPE AVIATION LLC	UNITED STATES

## FRANCE

CRCO Identification no.	Operator Name	State of the Operator
27628	VULCAN AVIATION	UNITED KINGDOM
23592	VULCAN INC	UNITED STATES
33249	Voyage International	UNITED ARAB EMIRATES
35615	WADI AVIATION	SAUDI ARABIA
30891	WAF LTD	CAYMAN ISLANDS
34990	WAHA CAPITAL	UNITED ARAB EMIRATES
36777	WALKER AIR SVCS	AUSTRALIA
34886	WATANIA AIRWAYS	KUWAIT
35351	WAVES JET	JORDAN
6924	WEDGE AVIATION	UNITED STATES
29491	WELLS AVIATION	UNITED STATES
34317	WESTJET FALCON 50061	VIRGIN ISLANDS, BRITISH
f10476	WGL Capital Corporation	UNITED STATES
31779	WHISKEY ROMEO OWNER	UNITED STATES
31064	WHITE LOTUS	UNITED STATES
32294	WILKES AND MCHUGH	UNITED STATES
34191	WILLIAMS INTL CO LLC	UNITED STATES
f1071	WINAIR (St. Maarten Netherlands Antilles)	SINT MAARTEN
31765	WINDS AWAY	UNITED STATES
37331	WINDWARD AVIATION	UNITED STATES
36782	WINGS AIR	INDONESIA
32929	WINGS OVER AFRICA	NAMIBIA
32063	WIP TRADING	SWITZERLAND
35668	WORLD FUEL SVCS EUR	UNITED KINGDOM
31938	WREN ACQUISITIONS	UNITED STATES
42945	Waste Connections Inc.	UNITED STATES
f10661	Watersedge Aviation LLC	UNITED STATES

## FRANCE

CRCO Identification no.	Operator Name	State of the Operator
f2006	Whitejets	BRAZIL
f10481	Williams-Sonoma, Inc.	UNITED STATES
23330	XL AIRWAYS FRANCE	FRANCE
2941	YEMENIA	YEMEN
11467	YUM BRANDS INC.	UNITED STATES
31488	YYA AVIATION	BERMUDA
f10823	Yet Again, Inc.	UNITED STATES
35471	ZEST AIRWAYS INC	PHILIPPINES
43094	ZETTA JET	SINGAPORE
35614	ZOGBI LUCIANO	SWITZERLAND
32665	ZYMAN AVIATION LLC	UNITED STATES

## ICELAND

CRCO Identification no.	Operator Name	State of the Operator
38156	ACTION AVIATION UK	UNITED ARAB EMIRATES
32255	AERO GMBH	GERMANY
499	AERODATA AKTIENGES 1	GERMANY
23200	AERODYNAMICS USA	UNITED STATES
36014	AEROMARITIME INC	UNITED STATES
34802	AIR AMBULANCE SPEC	UNITED STATES
1502	AIR ATLANTA	ICELAND
35659	AIR CAPITAL PILOT	UNITED STATES
32461	AIR CHATEAUX	FRANCE
38219	AIRBOSS OF AMERICA	CANADA
39197	AIRKROL LLC	UNITED STATES
33255	AIRON AIR	DENMARK
9117	AIRSUR	SPAIN

## ICELAND

CRCO Identification no.	Operator Name	State of the Operator
34407	ALCI AVIATION	CANADA
f11420	ALTEX LLC	UNITED STATES
f10024	AM General, LLC	UNITED STATES
f12848	AMTS AIRCRAFT HOLDINGS LLC-N40DK	UNITED STATES
34668	AR AIRWAYS PVT LTD	INDIA
30047	ASHTON AVIATION	UNITED STATES
14399	ASTAR USA LLC	UNITED STATES
911	AUGSBURG AIR SERVICE	GERMANY
33503	AVIATION INVENTORY	UNITED STATES
f12726	AVIATION SERVICES & SALES INC	UNITED STATES
38160	AVON AVIATION LLC	UNITED STATES
32522	AVSTAR INTL CORP	UNITED STATES
34980	AVTN CAPITAL GRP (2)	UNITED STATES
37888	AVTN CONSULTANTS INC	UNITED STATES
35734	AVTN PARTN. AMERICA	UNITED STATES
32830	AZA AIR LLC	UNITED STATES
36035	AZIZ HASSANALI	UNITED STATES
f13607	Almond Forest Investments LLC	UNITED STATES
33277	Altbridge Projects Ltd	RUSSIAN FEDERATION
f10803	American Seafood's Group	UNITED STATES
f12473	B.F. Limited Partnership	UNITED STATES
24074	BABCOCK AND BROWN	UNITED STATES
27616	BLUEBIRD CARGO	ICELAND
f13941	BP Microsystems Leasing LLC	UNITED STATES
28620	BURAQ AIR	LIBYA
f10063	Bacchus Consulting, LLC	UNITED STATES
f10075	BankNote Aviation Corp.	UNITED STATES

## ICELAND

CRCO Identification no.	Operator Name	State of the Operator
f13145	Bar-Aero LLC	UNITED STATES
f10077	Basic Capital Majestic	UNITED STATES
f10977	BioTek Instruments, Inc.	UNITED STATES
37168	Bravo Bravo Investments LLC	UNITED STATES
35163	Buddy 4, LLC	UNITED STATES
38620	C&S Wholesale Grocers, Inc.	UNITED STATES
33155	C3J CHARTER LLC	UNITED STATES
33307	CANADIAN NORTH	CANADA
34660	CARIBOU INDUSTRIES	UNITED STATES
33272	CIRRUS AIR CLUB	UNITED STATES
35180	CJ3 CHARTER LLC	UNITED STATES
31719	CLICK MEXICANA	MEXICO
36331	CLM SRL	ITALY
32604	CLOSE AIR	UNITED KINGDOM
35366	COMFORT LINE LTD	UNITED STATES
f12972	CONGO MINING & SERVICES	UNITED STATES
27760	CORPORATE ACFT LS	SWITZERLAND
39053	CORPORATE AIR SVCS	UNITED STATES
33082	CUMULUS INV. HOL.LTD	UNITED KINGDOM
f10102	Cambridge Flight Support, LLC	UNITED STATES
f10119	Chris James	BAHAMAS
f10895	Cooper Industries	UNITED STATES
34678	DANA AIRLINES	NIGERIA
38130	DFASS	UNITED STATES
30049	DOVE AIR	UNITED STATES
11028	DUNCAN AVIATION	UNITED STATES
2766	DYNAMIC PARTNERS BV	NETHERLANDS

## ICELAND

CRCO Identification no.	Operator Name	State of the Operator
32738	EAST AIR	TAJKISTAN
17105	EFS AIRCRAFT	GERMANY
33139	ENEX AVIATION SA	MONACO
f11774	ENGAGE AVIATION LLC	UNITED STATES
3782	ERNIR EHF	ICELAND
30789	EUROLINE AIRCOMPANY	GEORGIA
4540	EXO -2T N&S AMERICA	UNITED STATES
36445	Estrella Aviation	UNITED STATES
39126	FARSIGHT TECHNOL.	UNITED STATES
34667	FELIX AIRWAYS	YEMEN
37075	FLIGHTWORX AVIATION	UNITED KINGDOM
3176	FLUGFELAG ISLANDS	ICELAND
36160	FLY AWAY AVIATION	UNITED STATES
39146	FLYING FASTER SNC	FRANCE
32201	FOUNTAIN AIR	UNITED KINGDOM
40721	FREEDOM AIRLINE	KENYA
39194	FREEDOM AIRLINES INC	UNITED STATES
f11142	Fine Line, L.P.	UNITED STATES
f10608	Flight Management Services	UNITED STATES
34954	GE CAPITAL SOLUTION	UNITED KINGDOM
6331	GEMUE GMBH	SWITZERLAND
29477	GIFFORD D	UNITED STATES
34143	GLOBAL ACFT SOLUTION	UNITED STATES
38280	GLOBAL AIR CHRTRS	UNITED STATES
37726	GLOBAL WINGS LLC	UNITED STATES
38723	HAMMER THOMAS J	UNITED STATES
38218	HAPPY AIR TRAVELLERS	THAILAND

## ICELAND

CRCO Identification no.	Operator Name	State of the Operator
23127	HARRIS AIR UTAH	UNITED STATES
19833	HAWKER PACIFIC 2	AUSTRALIA
37851	HAYAT HAVA VE ARAC	TURKEY
30256	HELLO	SWITZERLAND
f10985	HMC Interests LLC	UNITED STATES
36897	HOLDING TERRY A	UNITED KINGDOM
26436	HOLIDAY RETIREMENT	UNITED STATES
36115	HZ AVIATION LTD	ISRAEL
f10800	Herzog Contracting Corp.	UNITED STATES
f12242	Hope Million Ltd Bvi	VIRGIN ISLANDS, BRITISH
1479	ICELANDAIR	ICELAND
33477	INTEGRA MAP	SPAIN
f11407	IT AVIATION LLC	UNITED STATES
31393	ITAB (2)	CONGO
34334	ITTAG LLC	UNITED STATES
f10258	Indefensible Corporation (DJMD Corporation)	UNITED STATES
35682	Investair 300, LLC	UNITED STATES
36959	JB AVIATION LLC	UNITED STATES
f12816	JCE LEASING LLC	UNITED STATES
25830	JEDINAK R AND R	CANADA
f11391	JEFFERSON FINANCIAL COMPANY	UNITED STATES
f12803	JEM AVIATION LLC	UNITED STATES
f11814	JET AIR AIRCRAFT LEASING LLC	UNITED STATES
36921	JETAVIVA LLC	UNITED STATES
30465	JETWORKS	UNITED STATES
31939	JOKLAFLUG	ICELAND
36618	JPATS	UNITED STATES

## ICELAND

CRCO Identification no.	Operator Name	State of the Operator
f13350	JT Aviation Leasing Co. LLC	UNITED STATES
f10903	Jesse Duplantis Ministries	UNITED STATES
37333	KAVAN LLC	UNITED STATES
35730	KIRLAND 41025 LLC	UNITED STATES
30456	KMI MANAGEMENT	UNITED STATES
35444	Koch Industries	UNITED STATES
f11783	L60-215 HOLDINGS LLC	UNITED STATES
34973	LAMONT SEA MARITIME	UNITED STATES
27994	LIFTWOOD	UNITED KINGDOM
f10301	LKM, Inc.	UNITED STATES
f10902	Landow 101 Inc.	UNITED STATES
f10996	Laurence Di Francesco	UNITED STATES
38705	Logistics Business Services LLC	UNITED STATES
26857	MAINE AVIATION SALES	UNITED STATES
f12845	MARI LLC	UNITED STATES
f11446	MARIGOT LLC	UNITED STATES
37082	MARK IV AVIATION LTD	BAHAMAS
32248	MARRON VENTURES	SWITZERLAND
f11780	MCDONNELL DOUGLAS AIRCRAFT CO	UNITED STATES
f12795	MERCER AIR LLC	UNITED STATES
36609	MIG AVIATION (UK)LTD	UNITED KINGDOM
805	MIL COLOMBIA	COLOMBIA
7907	MIL EGYPT (3)	EGYPT
1105	MIL ISRAEL	ISRAEL
1880	MIL MEXICO	MEXICO
1111	MIL NORWAY	NORWAY
5556	MIL SAUDI (RSF)	SAUDI ARABIA

## ICELAND

CRCO Identification no.	Operator Name	State of the Operator
19955	MIL UKRAINE	UKRAINE
823	MIL US NAVY	UNITED STATES
2799	MIL USA	UNITED STATES
30154	MISSIONAIR S.L.	SPAIN
f11373	MOUNTAIN SHADOW VENTURES LLC	UNITED STATES
34584	MUNSTER JET PARTNER	IRELAND
f13782	Manivalva, S.A	PANAMA
f12191	Mr Chow Enterprises, LTD	UNITED STATES
f10320	Mutual of Omaha	UNITED STATES
35669	NATO AIRLIFT	LUXEMBOURG
37436	NEXTANT AEROSPACE	UNITED STATES
35419	NORLANDAIR	ICELAND
31976	OTTER INSPIRATIONS	UNITED STATES
f12488	Onni Airways Ltd	CANADA
f11480	Owner of the aircraft with registration mark: N1667J	UNITED STATES
f11524	Owner of the aircraft with registration mark: PPPRR	BRAZIL
27784	PACIFIC JET	UNITED STATES
33063	PANADERO ENERGY LLC	UNITED STATES
39027	PEAK PACIFIC GLOBAL	CHINA
f11817	PEGASUS AVIATION II INC	UNITED STATES
9516	PEREGRINE AVIATION	UNITED STATES
38365	POSEIDON FINANCE	VIRGIN ISLANDS, BRITISH
29769	PREMIERE FLIGHT	UNITED STATES
30137	PRIMERA AIR	ICELAND
28212	PROVINCIAL AIRLINES	CANADA
30279	Papier Mettler	GERMANY
25580	Pioneer Private Aviation	UNITED STATES

## ICELAND

CRCO Identification no.	Operator Name	State of the Operator
f10370	Pyle Group LLC	UNITED STATES
31967	RADIOACTIVE	UNITED STATES
36291	RAFAN HOLDING BV	NETHERLANDS
31179	RB AVTN USA	UNITED STATES
40267	REPUBLIC AIRWAYS	UNITED STATES
38738	REVA AIR AMBULANCE	UNITED STATES
38098	RH-Flugdienst GmbH & CO. KG	GERMANY
33695	ROSS AVIATION INC	UNITED STATES
f10763	Raven Aviation LLC	UNITED STATES
f10380	Redleaf Management Company, LLC	UNITED STATES
23948	S GOUV.DU QUEBEC	CANADA
29518	SAAB ACFT OF AMERICA	UNITED STATES
33986	SELVA LTDA.	COLOMBIA
38122	SERVICIOS AER. PROF.	DOMINICAN REPUBLIC
36425	SINGAPORE FLYING C.	SINGAPORE
24369	SK-AIR	SLOVAKIA
32244	SKY JET AVTN UGANDA	UGANDA
32799	SKY KING INC	UNITED STATES
38981	SKY RESEARCH INC	UNITED STATES
27489	SKY RIVER MANAGEMENT	UNITED STATES
32954	SLW INTERNATIONAL	UNITED STATES
32599	SOUTHERN AIR SYSTEMS	UNITED STATES
32603	SPRING AIR	UNITED KINGDOM
36338	STRATEGIC MOVES	UNITED STATES
34530	SUMMER SUN TRADING	SOUTH AFRICA
8397	SUNCOAST AVIATION	UNITED STATES
37653	SUNRISE AIRWAYS	TANZANIA, UNITED REPUBLIC OF

## ICELAND

CRCO Identification no.	Operator Name	State of the Operator
34627	SWIFTJET INC.	CANADA
f11884	Saratoga, INC.	UNITED STATES
20236	Sequoia Properties, LLC	UNITED STATES
28475	Silk Way Airlines	AZERBAIJAN
f12111	Supervalu Inc.	UNITED STATES
35130	Switchback Argentina, LLC	UNITED STATES
30863	TABY AIR MAINTENANCE	SWEDEN
30936	TANGO-LIMA AVIATION	FRANCE
34842	TINKLER GROUP AVTN	AUSTRALIA
31974	TOWER AVTN OF READIN	UNITED STATES
32766	TRADEWIND AVTN	UNITED STATES
38201	TRONOS CANADA	CANADA
32928	TUNISAIR EXPRESS	TUNISIA
f11516	Tamarack Flight Management	UNITED STATES
39039	Telescope Capital, LLC	UNITED STATES
f11002	Titan International Inc.	UNITED STATES
f10447	Town Fair Tires	UNITED STATES
25448	UKRAINE CARGO AIRWAY	UKRAINE
35124	UNICREDIT GLOBAL	AUSTRIA
36942	UNITED ACFT SERVICES	UNITED STATES
35464	UNIVERSAL AIR SVCS	UNITED KINGDOM
28951	US EPPERSON UNDERWRT	UNITED STATES
20609	VOLKSWAGEN USA	UNITED STATES
f11345	VS MANAGEMENT LLC	UNITED STATES
f11852	Valor Aviation LLC	UNITED STATES
f10841	W&J Air, LLC	UNITED STATES
33375	WAYLOCK OVERSEAS LTD	RUSSIAN FEDERATION

## ICELAND

CRCO Identification no.	Operator Name	State of the Operator
38980	WAYPOINT AERONAUTIC.	UNITED STATES
f11376	WESTERN ASSET MANAGEMENT CO	UNITED STATES
f11383	WESTWIND BROTHERS INC	UNITED STATES
f11029	WHITE LODGING SERVICES	UNITED STATES
39113	WORLD MARKET AVTN	UNITED STATES
6357	WORLD WIDE AIRCRAFT	CANADA
38716	WORLDWIDE ACFT SVCS	UNITED STATES
40090	WOW AIR	ICELAND
f11839	Western Air Crews	UNITED STATES
f12486	Wolrd Heir, Inc	UNITED STATES
37431	ZAIN SD FZE	UNITED ARAB EMIRATES
34395	ZAPOLARYE	RUSSIAN FEDERATION

## IRELAND

CRCO Identification no.	Operator Name	State of the Operator
34931	Blue Nightingale Trading	SOUTH AFRICA
32901	142955 ONTARIO LTD	CANADA
37435	921BE LLC	UNITED STATES
35023	ACFT FINANCE TRUST	IRELAND
31510	ACP JETS	UNITED STATES
f11447	ADC AVIATION LLC	UNITED STATES
f10775	ADP Aviation, LLC	UNITED STATES
132	AER LINGUS	IRELAND
29293	AERO TIMBER PARTNERS	UNITED STATES
23714	AERO TOY STORE LLC	UNITED STATES
28752	AEROMANAGMENT GROUP	UNITED STATES
39015	AEROSTAR LTD IRELAND	IRELAND

## IRELAND

CRCO Identification no.	Operator Name	State of the Operator
32813	AIR BLESSING	UNITED STATES
298	AIR CONTRACTORS	IRELAND
7057	AIR SHAMROCK	UNITED STATES
32218	AIR TAHOMA	UNITED STATES
28432	AIR TREK	UNITED STATES
30118	AIRCRAFT INTL RENT	IRELAND
34285	ALCHEMIST JET AIR LLC	UNITED STATES
f12838	ALEDO SUB LLC	UNITED STATES
26140	ALLTECH	UNITED STATES
30995	ALPHA ONE FLIGHT SERVICES	UNITED STATES
f12957	AMC 50 LLC	UNITED STATES
27173	APACHE CORP	UNITED STATES
38618	AR INVESTMENTS LLC.	UNITED STATES
39205	ARGOS CAPITAL MNGT	UNITED STATES
29280	ASTOR STREET ASSET	UNITED STATES
33136	ATLANTIC AV KTEB	UNITED STATES
33008	AVIA PARTNER DENMARK	DENMARK
36309	AVIANOVA (RUSSIA)	RUSSIAN FEDERATION
f11798	AVION SALES LLC	UNITED STATES
29670	Aero Ways Inc	UNITED STATES
f10007	Air Reese, LLC	UNITED STATES
f10765	Alaska Eastern Partners	UNITED STATES
36324	Altis	IRELAND
33209	Altivia Flight	SINGAPORE
f12155	Amalgamated Consolidated, Inc.	UNITED STATES
f12108	Ambassador Marketing International Inc.	UNITED STATES
26369	B&G LEASING	UNITED STATES

## IRELAND

CRCO Identification no.	Operator Name	State of the Operator
34053	BANK OF NOVA SCOTIA	CANADA
31686	BARNARD AVIATION	UNITED STATES
1537	BAXTER HEALTH CARE	UNITED STATES
34487	BAZIS INTL INC.	CANADA
33090	BEACON AVIATION	IRELAND
f11361	BEAUTY CENTRAL LLC	UNITED STATES
25114	BECKER GROUP	UNITED STATES
32660	BEDEK AVIATION	ISRAEL
38915	BEL AIR LLC	UNITED STATES
33557	BIG PLAY FLIGHT SVCS	UNITED STATES
33247	BLUE CITY HOLDINGS	UNITED STATES
f11410	BORG HOLDINGS LLC	UNITED STATES
31975	BOULDER US	UNITED STATES
37279	BUSINESS A.CENTRE CO	THAILAND
1868	Bard (C.R. Bard Inc)	UNITED STATES
f12103	Benson Football, LLC	UNITED STATES
35372	Bindley Capital Partners	UNITED STATES
f12682	Bombardier New Aircraft	UNITED STATES
36888	Boston Scientific Corp	UNITED STATES
f11899	C C Media Holdings Inc	UNITED STATES
35160	C. Dot Aviation, LLC	UNITED STATES
30615	CARLISLE HOLDINGS LLC	UNITED STATES
30896	CCA AIR CHARTER	UNITED STATES
29250	CENTURION AVTN SRVCS	UNITED STATES
36860	CESSNA FINANCE CORP	UNITED KINGDOM
f11418	CESSNA FINANCE CORP	UNITED KINGDOM
5078	CINTAS	UNITED STATES

## IRELAND

CRCO Identification no.	Operator Name	State of the Operator
21455	CITYJET	IRELAND
36082	CMC GROUP INC.	UNITED STATES
32509	COOK AIRCRAFT LEASNG	UNITED STATES
19036	CORPORATE JETS PA	UNITED STATES
28444	CROSS AVTN	UNITED KINGDOM
f11386	CUNA MUTUAL INSURANCE SOCIETY	UNITED STATES
f13609	Center for Disease Detection LLC	UNITED STATES
f12458	Codale Electric Supply Inc.	UNITED STATES
f13788	Constellation Productions	UNITED STATES
f10129	Corporate Flight Services, LLC	UNITED STATES
30753	Covidien	UNITED STATES
f10987	Cozzens and Cudahy Air	UNITED STATES
f10650	DARBY HOLDINGS	UNITED STATES
f11469	DELAWARE GLOBAL OPERATION LLC	UNITED STATES
31690	DELTA JET USA	UNITED STATES
24235	DENISTON ENTERPRISES	UNITED STATES
30715	DMB Aviation	UNITED STATES
35370	DOMINOS PIZZA (2)	UNITED STATES
28485	DOW CORNING	UNITED STATES
f12713	DSS214 LLC	UNITED STATES
27997	DYNAMIC AVIATION SERVICES INC	UNITED STATES
f13128	David A. Duffield/Pegasus VI, LLC.	UNITED STATES
35072	EAC AIR LLC	UNITED STATES
8339	EATON	UNITED STATES
1009	ELI LILLY	UNITED STATES
23828	EMC IRELAND	IRELAND
23627	EMERCOM RUSSIA	RUSSIAN FEDERATION

## IRELAND

CRCO Identification no.	Operator Name	State of the Operator
33649	ENCORE 684 LLC	UNITED STATES
f11381	ENCORE/SB AVIATION LLC	UNITED STATES
f12801	EUROPEAN AIRCRAFT CHARTER INC	UNITED STATES
f10176	Energy Corporation of America	UNITED STATES
f10183	Executive Flight Solutions, LLC	UNITED STATES
33361	FAGEN INC	UNITED STATES
29521	FAIRMONT AVIATION SE	CANADA
32271	FAST LINK EGYPT	EGYPT
34792	FASTNET JET ALLIANCE	IRELAND
21578	FEDERAL MOGUL	UNITED STATES
28181	FERRO CORP	UNITED STATES
30469	FIRST VIRTUAL AIR	UNITED STATES
31774	FLYING SQUIRREL	UNITED STATES
34371	FREEBIRD MNGMT LTD.	IRELAND
3826	FRIEDKIN INTL	UNITED STATES
f10208	Flightstar Corporation	UNITED STATES
f11889	Futura Travels Limited	INDIA
39022	GAUGHAN FLYING LLC	UNITED STATES
38550	GC INTERNATIONAL LLC	UNITED STATES
22286	GE CAPITAL-GECAS EI	IRELAND
26624	GENERAL MILLS SALES	UNITED STATES
38543	GEORGE GUND 3	UNITED STATES
f12778	GIV EXEC JET LLC	UNITED STATES
36512	GLOBAL JETCARE	UNITED STATES
23814	GLOBAL WINGS LTD	SWITZERLAND
3964	GOODYEAR	UNITED STATES
f10230	GPAir Limited	CANADA

## IRELAND

CRCO Identification no.	Operator Name	State of the Operator
f11374	GREEN CHAIR PRODUCTIONS INC	UNITED STATES
f12820	GREENBRIER CAPITAL LLC	UNITED STATES
26847	GREENHILL AVTN	UNITED STATES
31561	GULF PACIFIC AVTN SV	UNITED STATES
f11239	GameStop, Inc	UNITED STATES
f13449	General Dynamics Land Systems	UNITED STATES
f12159	Gilead Sciences	UNITED STATES
10229	Goodman Real Estate, Inc.	GERMANY
f10231	Graham Brothers Construction Co., Inc	UNITED STATES
22958	Group Holdings	UNITED STATES
f13612	Guthy Renker Aviation	UNITED STATES
28219	HARLEY-DAVIDSON	UNITED STATES
31054	HEAVYLIFT INT.	UNITED ARAB EMIRATES
35241	HIGHFIELDS CAP MGMT	UNITED STATES
33420	HOWARD HOLDINGS PLC	IRELAND
5170	HUMANA	UNITED STATES
f10901	Hormel Foods Corporation	UNITED STATES
f11193	IAMAW	UNITED STATES
24747	IFFTG	UNITED STATES
32500	ILFC IRELAND LTD	IRELAND
f11378	INDIGO MANAGEMENT CO	UNITED STATES
21409	IRVING AIR SERVICE	CANADA
27861	JEP LEASING	UNITED STATES
22094	JEPPESEN UK LTD	UNITED KINGDOM
32549	JET CLIPPER JOHNNY	UNITED STATES
35926	JET LOGISTICS INC	UNITED STATES
35981	JET SHARES ONLY	UNITED STATES

## IRELAND

CRCO Identification no.	Operator Name	State of the Operator
32652	JET SMART INC	UNITED STATES
30210	JET-A-WAY CHARTERS	UNITED STATES
34915	JKB JET HOLDINGS LLC	UNITED STATES
39282	James S Offield	UNITED STATES
31850	Jarden Corp	UNITED STATES
34314	Jet Direct Aviation (filed for bankruptcy on 25/02/2009)	UNITED STATES
f10282	John M. Connors, Jr.	UNITED STATES
1584	Johnson&Johnson	UNITED STATES
35520	Jones International Aviation LLC	UNITED STATES
f10702	KEB Aircraft Sales, Inc.	UNITED STATES
8180	KELLOGG	UNITED STATES
f11341	KKN TRANSPORTATION LEASING LLC	UNITED STATES
f10287	Kenair, Inc.	UNITED STATES
f11016	Kendall Jackson Wine Estates	UNITED STATES
f10713	Konfara Company	UNITED STATES
31706	LCG ENTERPRISES	UNITED STATES
35616	LEONARD GREEN & PART	UNITED STATES
32207	LISBON LIMITED	BERMUDA
28852	LONDON CITY JET	UNITED KINGDOM
36958	LUNA ENTERTAINMENT	UNITED STATES
f10295	Leco Corporation	UNITED STATES
29729	Letica Leasing LLC	UNITED STATES
f10302	Lower Cross Aircraft Corp.	UNITED STATES
38901	M&M AVIATION GROUP	UNITED STATES
36961	MAGELLAN A/C SVCS	IRELAND
30454	MAJJEC JHETT	UNITED STATES
26422	MANDAN	UNITED STATES

## IRELAND

CRCO Identification no.	Operator Name	State of the Operator
38653	MANHAG AG	SWITZERLAND
27630	MERCURY ENGINEERING	IRELAND
30050	MHS TRAVEL & CHTR	UNITED STATES
f13615	MIDES SEM DE CV	EL SALVADOR
1104	MIL IRELAND	IRELAND
f10317	MMB Management Advisory Services	UNITED STATES
31703	MMRB SERVICES	UNITED STATES
35625	MODESTO EXEC AIR CHR	UNITED STATES
f11411	MONAVIE AIRCRAFT LEASING LLC	UNITED STATES
36426	MPW INDUSTRIAL SVCS	UNITED STATES
40770	MRTV LLC	UNITED STATES
32479	MVA AVIATION LTD.	UNITED KINGDOM
f12230	Mannco LLC	UNITED STATES
f10507	Midland Financial Co.	UNITED STATES
f10968	Mozart Investments, Inc.	UNITED STATES
f12769	N48KZ LLC	UNITED STATES
39276	N583KD LLC	UNITED STATES
18796	N728LW LLC	UNITED STATES
f10328	NCR Corporation	UNITED STATES
18352	NESTLE PURINA PETCAR	UNITED STATES
29867	NEXT FLIGHT JETS	UNITED STATES
32930	NINETY EIGHT AVTN	UNITED STATES
37562	NONSTOP AVIATION	UNITED STATES
f10962	NORTH AMERICAN FLIGHT SERVICES	UNITED STATES
26985	NORTH STAR AVTN	UNITED STATES
42956	NORWEGIAN AIR INTL	IRELAND
f10919	Noble Energy, Inc.	UNITED STATES

## IRELAND

CRCO Identification no.	Operator Name	State of the Operator
f10334	Noel Group Aviation	UNITED STATES
f12093	Nustar Logistics	UNITED STATES
32397	OFFICE DEPOT	UNITED STATES
37310	OKAY AIRWAYS	CHINA
9116	OMEGA AIR (USA)	UNITED STATES
7079	ORBIS INTL	UNITED STATES
35897	OSLO EXPRESS	UNITED STATES
2079	OWENS ILLINOIS	UNITED STATES
f11106	Orange Crimson Aviation, LLC	UNITED STATES
f11477	Owner of the aircraft with registration mark: HP1A	PANAMA
f12917	Owner of the aircraft with registration mark: XABEG	MEXICO
10012	P & E PROPERTIES	UNITED STATES
33261	PACIFIC SKY	CANADA
8792	PALMER A	UNITED STATES
29783	PEGASUS AVIATION CA	UNITED STATES
36816	PHILLIPS EDISON & CO	UNITED STATES
32055	PIONEER ADVENTURES	NEW ZEALAND
39139	PITCH LINK LLC	UNITED STATES
f10361	PNC Financial Services Group	UNITED STATES
f11419	POLAR BEAR EXPRESS II LLC	UNITED STATES
32096	PRIME AVIATION JSC	KAZAKHSTAN
34180	PROFESSIONAL CARE	UNITED STATES
3252	PepsiCo, Inc.	UNITED STATES
31045	PrivateSky Aviation LLC	UNITED STATES
7076	Project ORBIS International, Inc.	FRANCE
26605	QUEST AVTN	UNITED STATES
32706	RBGT LLC	UNITED STATES

## IRELAND

CRCO Identification no.	Operator Name	State of the Operator
f10978	REAUD MORGAN QUINN	UNITED STATES
31234	RED BARN FARMS	UNITED STATES
38890	RKK Management, Inc.	UNITED STATES
f11777	ROBINSON LEASING INC	UNITED STATES
23899	ROLLINS INC.	UNITED STATES
29788	RORO 212	UNITED STATES
31502	ROTOR TRADE (ARC)	UNITED STATES
2292	ROWAN COMPANIES PLC	UNITED STATES
30090	RUSAVIATION	UNITED ARAB EMIRATES
39971	RUUD LIGHTING INC	UNITED STATES
8651	RYANAIR	IRELAND
28054	SAFEWAY	UNITED STATES
43554	SB LEASING	IRELAND
34898	SD VERMOGENSVERWALT	GERMANY
f12851	SDL MANAGEMENT COMPANY LLC	UNITED STATES
871	SEAGULL AIRCRAFT CORP	UNITED STATES
24869	SIERRA PACIFIC IND	UNITED STATES
36640	SIM SAS	FRANCE
f12817	SITRICK AND CO	UNITED STATES
31192	SOUTHERN JET MGMT	UNITED STATES
28509	SPEEDWINGS BUSINESS SA	MEXICO
f12106	SPG Frank Group (SPG Management, LLC and Frank Group, LLC)	UNITED STATES
31823	STARSHIP ENTERPRISE	UNITED STATES
131	STOBART AIR	IRELAND
f10397	Select Management Resources, LLC	UNITED STATES
f10824	Seminole Tribe of Florida	UNITED STATES

## IRELAND

CRCO Identification no.	Operator Name	State of the Operator
f14029	Signature Group LLC	UNITED STATES
f13116	Standridge Color Corporation	UNITED STATES
f10501	Sunoco Inc.	UNITED STATES
35071	T2 Aviation Mgmt.	UNITED STATES
32156	TALLWOOD MANAGEMNT	UNITED STATES
3696	TEXAS INSTRUMENTS	UNITED STATES
f11309	THIRD SECURITY LLC	UNITED STATES
f13842	TLS Aviation LLC	UNITED STATES
f12991	TONY DOWNS FOODS	UNITED STATES
26406	TRANS WEST AIR SRVCS	UNITED STATES
9788	TRANSIT AIR SRVC	UNITED STATES
29623	TRICYCLE AVIATION	UNITED STATES
38625	Tashi Corporation	UNITED STATES
f10441	The Sherwin-Williams Company	UNITED STATES
f12692	UNICORP AVIATION LLC	UNITED STATES
2797	UNITED STATES STEEL	UNITED STATES
9252	University Corporation for Atmospheric Research (UCAR)	UNITED STATES
9275	VALLEJO INVESTMENTS	UNITED STATES
f11803	VALLEY JET LLC	UNITED STATES
29120	VEN AIR	IRELAND
32119	VIA FELIZ II	UNITED STATES
24690	VICTORY AVTN FLORIDA	UNITED STATES
28043	VILLAGE EQUIPMENT	UNITED STATES
36447	VTB LEASING (EUROPE)	RUSSIAN FEDERATION
5187	WELDBEND	UNITED STATES
35439	WELLS FARGO BANK NW	UNITED STATES
31125	WESTON LTD	IRELAND

## IRELAND

CRCO Identification no.	Operator Name	State of the Operator
38797	WILDGOOSE LLC	UNITED STATES
33542	WING FINANCIAL LLC	UNITED STATES
28282	WINGEDFOOT AVTN	UNITED STATES
38212	WINGS AVIATION (DE)	UNITED STATES
29233	WRENAIR	IRELAND
36499	Warner Chilcott (US), LLC	UNITED STATES
f10815	Washington Penn Plastic Company	UNITED STATES
f10789	Wells Fargo Bank Northwest, c/o Morgan & Morgan	UNITED STATES
f10792	Werner Enterprises Inc.	UNITED STATES
f10784	Wilmington Trust	UNITED STATES
32454	XJET USA	UNITED STATES
31649	Z1 HOLDINGS	UNITED STATES
39577	ZAROX HOLDINGS LTD	GIBRALTAR

## ITALY

CRCO Identification no.	Operator Name	State of the Operator
f12167	251 Finance Inc	UNITED STATES
37781	43 AIR SCHOOL	SOUTH AFRICA
39001	546 PARTICIPACOES	BRAZIL
37425	ABBERTON LTD	UNITED ARAB EMIRATES
24650	ABU DHABI AVIATION	UNITED ARAB EMIRATES
40432	AERO AGENTS LLP	UNITED KINGDOM
1662	AEROMANAGEMENT	UNITED STATES
29651	AEROMANAGEMENT EUROP	ITALY
31391	AERONORD-GROUP	MOLDOVA, REPUBLIC OF
30371	AEROPORTUL MARCULEST	MOLDOVA, REPUBLIC OF
19195	AEROTRANSPORTES PRIV	MEXICO

ITALY		
CRCO Identification no.	Operator Name	State of the Operator
35660	AEROYACHT INVESTMENT	ITALY
29450	AIC CANADA	CANADA
37380	AIR ARABIA JORDAN	JORDAN
11479	AIR DOLOMITI	ITALY
32715	AIR FOUR S.P.A.	ITALY
30965	AIR ITALY	ITALY
31884	AIR PRESTIGIO	UNITED STATES
35312	AIR SPEA S.R.L.	ITALY
36050	AIR TEAM EXECUTIVE	ITALY
34676	AIR UGANDA	UGANDA
33278	AIR WING S.P.A.	
32513	AIR-TEC AFRICA	SOUTH AFRICA
30283	AIRCRAFT PROPERTIES	UNITED STATES
27328	AIRSTARS AIRWAY	RUSSIAN FEDERATION
37604	ALBATROS ACFT CORP	CANADA
30526	ALBATROS AIRWAYS	ALBANIA
43583	ALBAWINGS	ALBANIA
9303	ALBERTO CULVER	UNITED STATES
34831	ALITALIA S.A.I. SPA ITALY	ITALY
36390	ALLIBO AIR CARGO	LIBYA
28123	AMRASH	UNITED STATES
f13950	ASTRA HOLDINGS INC.	VENEZUELA, BOLIVARIAN REPUBLIC OF
40652	AVCON JET LIMITED	UNITED KINGDOM
36508	AVIATION CAPITAL SOL	UNITED KINGDOM
36451	AXSOA S.P.A.	ITALY
f11555	Aero Taxis Metropolitanos	MEXICO

## ITALY

CRCO Identification no.	Operator Name	State of the Operator
36964	Air Mandalay	INDIA
f10004	Air Mercury, Ltd	BERMUDA
f10022	Alcoa, Inc.	UNITED STATES
29878	BALMORAL AIR PTY	AUSTRALIA
31999	BASHKORTOSTAN AIR	RUSSIAN FEDERATION
34857	BB FLY S.R.L.	ITALY
20198	BELAVIA AIRLINES	BELARUS
31421	BELLE AIR	ALBANIA
32891	BERJAYA AIR SDN (2)	MALAYSIA
32734	BLUE JET	UNITED STATES
31928	BLUE MERCURY S.R.L.	ITALY
26015	BLUE PANORAMA LI	ITALY
43979	BLUE PANORAMA (3) LI	ITALY
f11338	BLUE STAR MANAGEMENT SERVICES CORP	UNITED STATES
36408	BLUEBAIR JET	SWITZERLAND
37770	BOEING WICHITA IDS	UNITED STATES
38549	BOMBARDIER LEARJET	UNITED STATES
37190	BORDER GUARD EP	POLAND
35243	BRAATHENS TRAINING	SWEDEN
39045	BRAZIL TRADING LTDA	BRAZIL
32566	BRENZIL PTY	AUSTRALIA
27675	BUDDHA AIR	NEPAL
35914	BUSINESS AIR PARTS	UNITED STATES
f13502	Biotab Nutraceuticals	UNITED STATES
f10086	Black Diamond Aviation	UNITED STATES
36979	C FLY S.R.L.	ITALY
f10100	C. Cary Patterson	UNITED STATES

## ITALY

CRCO Identification no.	Operator Name	State of the Operator
19019	CABLEAIR	UNITED STATES
5083	CAI	ITALY
f11308	CANDYBAR AVIATION LLC	UNITED STATES
32079	CAREMARK AVIATION	UNITED STATES
35318	CARGOLUX ITALIA	ITALY
36379	CARISLE BAY	SWITZERLAND
26954	CARNIVAL CORP	UNITED STATES
38117	CAROPAN COMPANY SA	VIRGIN ISLANDS, BRITISH
31898	CATEX USA	UNITED STATES
36292	CERAMICA CLEOPATRA	EGYPT
36770	CHEMIPLASTICA	UNITED KINGDOM
35645	CN AVIATION	UNITED STATES
24759	CNH America LLC	UNITED STATES
35761	CORPO FORRESTALE	ITALY
38402	COTEMINAS	BRAZIL
f13770	Cameron industries consult Inc.	VIRGIN ISLANDS, BRITISH
f12602	Cartera de Inversiones Venezola C.A.	UNITED STATES
f10307	Colony Advisors, LLC	UNITED STATES
30812	Consolidated Investment Group	UNITED STATES
37371	DAKO AIRLINES SA	LUXEMBOURG
32598	DELIA A/S	DENMARK
36591	DELMAR SYSTEMS INC.	UNITED STATES
36268	DELTON GROUP INC.	RUSSIAN FEDERATION
27358	DI AIR	MONTENEGRO
18428	DOLE FOODS	UNITED STATES
28426	DOLPHIN AIR EXPRESS	ITALY
9322	DOMUS	ITALY

## ITALY

CRCO Identification no.	Operator Name	State of the Operator
f11470	DOUBLE V RESOURCES LLC	UNITED STATES
30245	DRAX GROUP	UNITED STATES
31864	DS AVIATION	ISRAEL
23676	DUDMASTON LTD	SWITZERLAND
29468	Dillard's Inc.	UNITED STATES
39049	E C MENZIES AVIATION	UNITED STATES
33586	E+A AVIATION	SWITZERLAND
24307	ELITICINO SA	SWITZERLAND
27824	ELIWORK SRL	ITALY
8149	ENAV ITALIA	ITALY
34700	EP AVIATION LLC	UNITED STATES
1039	ETHIOPIAN AIRLINES	ETHIOPIA
5051	EUROFLY SERVICE	ITALY
f12110	EUROJET HOLDINGS LTD	BERMUDA
29693	EUTELIA S.P.A.	ITALY
36996	EXECUJET CHARTER SVC	UNITED STATES
f12669	Elk Mountain Consulting LLC	UNITED STATES
f11891	Encanto Investment Inc	UNITED STATES
f12791	FERTITTA ENTERTAINMENT LLC	UNITED STATES
31996	FIBA AIR HAVA	TURKEY
24342	FININVEST	ITALY
22368	FINMECCANICA S.P.A DIVISIONE ELICOTTERI	ITALY
31568	FINMECCANICA S.P.A DIVISIONE VELIVOLI	ITALY
31464	FLIGH TEST ASSOCIATE	UNITED STATES
32391	FLIGHTPARTNER	UNITED KINGDOM
43521	FLY ONE S.R.L.	MOLDOVA, REPUBLIC OF
36118	FLY540 KENYA	KENYA

## ITALY

CRCO Identification no.	Operator Name	State of the Operator
21557	FLYNOR JET	ITALY
38931	FORTE AVIATION PARTS	UNITED STATES
37983	FRI-EL GREEN POWER	ITALY
f10871	Fort Calumet Company	UNITED STATES
f12234	Full Hill Limited Hong Kong	HONG KONG SAR
f12550	Full Wing Holdings Limited	VIRGIN ISLANDS, BRITISH
32161	G350 LEASING LLC	UNITED STATES
34858	GALAXY AIRWAYS INC.	CANADA
37037	GAMAY ENTERPRISES LT	BRAZIL
35213	GEDEAM TOURISM S.A.	LUXEMBOURG
30273	GEFA LEASING GMBH	GERMANY
29961	GENERAL WORK GUINEA	EQUATORIAL GUINEA
36315	GEO LOGISTICA	ITALY
36948	GIANAIR LTD	GHANA
36179	GLENN EAGLES RESEARC	RUSSIAN FEDERATION
f12981	GLOBAL MANAGEMENT CONSULTING LTD	UNITED STATES
33783	GLOBUS LLC	RUSSIAN FEDERATION
27805	GMG AIRLINES LTD	BANGLADESH
32024	GMR INDUSTRY LTD	INDIA
29615	GOLDEN AIR SRL	ITALY
32887	GP Aviation	UNITED STATES
f11463	GR1040 INC	UNITED STATES
36873	GRASKOP AVIATION LLC	BRAZIL
31017	GULF AVIATION	UNITED ARAB EMIRATES
32263	GUTMEN INC.	BRAZIL
f10228	Golden Gaming	UNITED STATES
32296	HANSUNG AIRLINES	KOREA, REPUBLIC OF

## ITALY

CRCO Identification no.	Operator Name	State of the Operator
34031	HAWKER 700LTD	UNITED KINGDOM
38229	HERMES AVIATION LTD.	MALTA
f10248	HGA, LLC	UNITED STATES
37563	HIGH TECH AIRCRAFT 2	UNITED STATES
22863	HUBBARD ENTERPRISES	UNITED STATES
31089	Hawker Aviation LLC	UNITED STATES
f12241	Hermes Capital Limited Bermuda	BERMUDA
40880	Hood Capital LLC	UNITED STATES
37842	IBEX AIR CHARTER	LEBANON
43419	ICS AERO SM SRL	
25061	INAER AVIATION ITALIA S.p.A.	ITALY
36788	INDONESIA AIR TRA(2)	INDONESIA
36455	INTL AVIATION LLC	UNITED STATES
27510	ITALEASE	ITALY
f13901	Indika Mitra Investments Pte Ltd	UNITED STATES
f10259	Inversiones Far West Inc.	UNITED STATES
38415	JB AVIATION II LLC	UNITED STATES
37841	JBS S/A	BRAZIL
35564	JET AVIATION (VA)	UNITED STATES
38551	JET AVIVA LLC	UNITED STATES
25029	JET PLANE CORP	DENMARK
31941	JET SUPPORT GROUP	CAYMAN ISLANDS
32677	JETALLIANCE EAST JSC	RUSSIAN FEDERATION
38438	JETCOM S.R.L.	ITALY
34346	JETDIRECT AVTN INC	UNITED STATES
32062	JETEX FLIGHT SUPPORT	LIBYA
30695	JETLINK EXPRESS	KENYA

## ITALY

CRCO Identification no.	Operator Name	State of the Operator
42277	JETOLOGY GMBH	AUSTRIA
34576	JETPLANET S.R.L.	ITALY
f12752	JK AVIATION LLC	UNITED STATES
f12763	JODA LLC	UNITED STATES
30609	JSC NORDAVIA-RA	RUSSIAN FEDERATION
f10283	JSM at FALCON, LLC	UNITED STATES
32068	K & M AVIATION	UNITED STATES
36322	KARNAVATI AVIATION	INDIA
38012	KAUPÉ AVIATION LTD	SWITZERLAND
f11389	L & L LEASING IV LLC	UNITED STATES
29205	LATIUM 3 INC	UNITED STATES
32713	LAUTHER-PHILLIPS	UNITED STATES
29027	LEADING EDGE	UNITED STATES
38276	LEILA JET LTD.	UNITED ARAB EMIRATES
30044	LEMOINE INVESTMENTS	UNITED STATES
31451	LENNAR	UNITED STATES
23188	LIBYAN AIR AMBULANCE	LIBYA
39036	LIFEJET LTD.	MALTA
18942	LINDSTROEM ENAR	SWEDEN
33253	LINUS AIRWAYS	INDONESIA
28628	LUKOIL AVIA	RUSSIAN FEDERATION
22416	LVOV AIRLINES	UKRAINE
f10999	LatAm LLC	UNITED STATES
f10839	Leonard Green and Partners, L.P.	UNITED STATES
f10781	Lucky Fives LLC	UNITED STATES
37803	M-NICE LIMITED	SWITZERLAND
35314	MAE AIRCRAFT MGMT.	BAHRAIN

## ITALY

CRCO Identification no.	Operator Name	State of the Operator
36367	MAGELLAN AVIATION	IRELAND
36421	MARCPLAN CHARTER	AUSTRALIA
27891	MASS MUTUAL LIFE	UNITED STATES
39901	MATONE PROMOTORA	BRAZIL
35469	MAZAG	CAYMAN ISLANDS
38206	MELO PARTICIPACOES	BRAZIL
32051	MERIDIAN AIRCOMPANY	UKRAINE
11698	MERIDIANA FLY	ITALY
1106	MIL ITALY	ITALY
37676	MILLENNIUM LABS	UNITED STATES
24266	MINISTERO INTERNO	ITALY
36406	MISTER JET	GERMANY
8487	MISTRAL AIR ROMA	ITALY
31311	MSC AVIATION	SWITZERLAND
f10769	MSS Falcon 900LLC	UNITED STATES
36491	Management Services	UNITED STATES
f10828	Marnell Corrao Associates	UNITED STATES
28892	N90BJ	UNITED STATES
36980	NAND AVIATION	SAUDI ARABIA
35377	NASJET	SAUDI ARABIA
33889	NAVELLIER & ASSOCS	UNITED STATES
28484	NEOS	ITALY
36477	NESMA AIRLINES	EGYPT
f12702	NETJETS SALES INC	UNITED STATES
33201	NEWCO MANAGEMENT GRP	UNITED STATES
26030	NEXT CENTURY AVTN	UNITED STATES
31499	NIKAIR SRL	

## ITALY

CRCO Identification no.	Operator Name	State of the Operator
29756	NOEVIR AVIATION	UNITED STATES
f12605	Net Medical, C.A.	UNITED STATES
26129	New World Aviation, Inc.	UNITED STATES
f10633	Northwestern Mutual Life Ins. Co.	UNITED STATES
27302	OAK MANAGEMENT	UNITED STATES
35934	ODYSSEY ADVENTURES	UNITED STATES
37412	OPI SERVIZI S.R.L.	ITALY
36149	OZARK MANAGEMENT (2)	UNITED STATES
32200	PABLO AIR LINE SRL	ITALY
32786	PACIFIC INFORMATION	ARUBA
31079	PAFO	UNITED STATES
35642	PELICAN DEVELOPMENT	UNITED STATES
32710	PENN NATIONAL GAMING	UNITED STATES
31232	PETROFF AIR	RUSSIAN FEDERATION
36592	PFP AVIATION LLC	UNITED STATES
36071	PHOENIX AVTN MNGMENT	EGYPT
28946	PITTCO	UNITED STATES
34770	PL LOGISTICS CORP	SOUTH AFRICA
f11406	PLATINUM EQUITY LLC	UNITED STATES
43114	POBEDA AIRLINES, LLC	RUSSIAN FEDERATION
30442	PRECISION AIR SVCS	TANZANIA, UNITED REPUBLIC OF
23692	PRECISION AIR SVCS.	TANZANIA, UNITED REPUBLIC OF
25235	PROVINCIA AUTONOMA	ITALY
f10557	Penobscot Properties, LLC	UNITED STATES
f10357	Pinehurst Meadows LLC	UNITED STATES
f10372	R.O.P. Aviation, Inc.	UNITED STATES
f11465	RAMSEY ASSET MANAGEMENT LLC	UNITED STATES

## ITALY

CRCO Identification no.	Operator Name	State of the Operator
33019	REALI TAXI AEREO	BRAZIL
37772	REMOREX PTY LTD AUS	AUSTRALIA
22653	RENAIR 315 LLC	UNITED STATES
27572	RHEA VENDORS	ITALY
32661	ROONEY HOLDINGS INC	UNITED STATES
33024	ROYAL FALCON	JORDAN
f11347	RSI HOLDING LLC	UNITED STATES
36748	RWANDAIR (HR)	RWANDA
f10373	Raptor Group Holdings LP	UNITED STATES
f10390	Rochester Aviation, Inc.	UNITED STATES
29524	S.K.M.	BERMUDA
f12989	SAFEGUARD ENTERPRISES LLC	UNITED STATES
37839	SARDINIAN SKY SERVIC	ITALY
35774	SASO AIR LLC	BRAZIL
28283	SCS SERVICES	UNITED STATES
25882	SEQUOIA MILLENNIUM	UNITED STATES
36271	SERVICE CORP INTL	UNITED STATES
23243	SERVIS AIR HAVA	TURKEY
10356	SERVIZI TRASPORTI	ITALY
28179	SEVASTOPOL AVIA	UKRAINE
37392	SGC AVIATION GMBH	AUSTRIA
36742	SILVER BIRD INT.	GERMANY
8484	SIRIO	ITALY
37931	SKY BEYOND	SINGAPORE
35899	SKY LINE SRL	ITALY
31624	SKYKAR AVIATION	UNITED STATES
10748	SKYSERVICE AIRLINES	CANADA

## ITALY

CRCO Identification no.	Operator Name	State of the Operator
34027	SOPHIA AIRLINES	CÔTE D'IVOIRE
34631	SORENA EXPORT LTD.	UKRAINE
36438	SOUTH AFRICAN EXP.	SOUTH AFRICA
30462	SOUTHERN AIR SYSTEM	UNITED STATES
36112	SPAN AIR PVT LTD	INDIA
30747	SPRINGLINE	RUSSIAN FEDERATION
34744	STAR UP S.A.	PERU
25832	STEPHENSON AIR SVCS	UNITED STATES
37091	SUNSET AVIATION LLC	UNITED STATES
42274	SW ITALIA SPA	ITALY
31789	SYDNEY JET CHARTER	AUSTRALIA
f10435	SYMAX LLC	UNITED STATES
f10399	Sentry Insurance a Mutual Company DBA Sentry Aviation Services LLC	UNITED STATES
f10400	Servicios Aereos Sudamericanos S.A.	ARGENTINA
37964	Sky Wings LTD	GERMANY
31505	Springway	RUSSIAN FEDERATION
29126	Star Aircraft Leasing S.A.	UNITED STATES
f10414	State Farm Mutual Automobile Insurance Co.	UNITED STATES
37243	Stryker Corp	UNITED STATES
31740	Sunstate Aviation and Leasing, LLC	UNITED STATES
22663	TAVISTOCK AVTN	UNITED STATES
38643	TESSITURA ROBECCHETT	ITALY
39690	THE WHITEWIND CO	UNITED STATES
37276	TRI MARINE LOGISTICS	UNITED STATES
31381	TRIP LINHAS AEREAS 2	BRAZIL
33685	TRT EQUITY ADVISORS LLC	UNITED STATES

## ITALY

CRCO Identification no.	Operator Name	State of the Operator
36364	Time Warner Cable Enterprises LLC.	UNITED STATES
f12493	Titlemax Aviation, Inc.	UNITED STATES
f11186	Trinity Broadcasting of FL., Inc.	UNITED STATES
35594	UNITED AIRGROUP COR.	VIRGIN ISLANDS, BRITISH
35073	UNITED AVIATION (HL)	LIBYA
f11404	UNITED HEALTHCARE SERVICES INC	UNITED STATES
f12469	UPMC	UNITED STATES
f12001	V1 Aviation Inc.	UNITED STATES
42737	VALOR FLY LTD	MALTA
42494	VERDE CAPITAL CORP	UNITED STATES
29884	VIZAVI-AVIA LTD	RUSSIAN FEDERATION
32561	VK AVIATION USA	UNITED STATES
32987	VOLIAMO	SWITZERLAND
35634	WALKER AIR	AUSTRALIA
34937	WELLARD AVIATION	AUSTRALIA
f11301	WELLS FARGO DELAWARE TRUST CO NA TRUSTEE	UNITED STATES
30275	WESTERN STONE & METAL	UNITED STATES
38875	WHITE TAIL AVTN AVV	UNITED STATES
26545	WIDEWORLD SRVCS	ARGENTINA
38045	WIN AIR JET	TAIWAN
33364	WINDROSE AVIATION	UKRAINE
f10568	Westbury Group Ltd	BERMUDA
f10872	Westwind Aquisition	UNITED STATES
35438	XLA AVIATION	SWITZERLAND
f13019	Xcoal Energy & Resources	UNITED STATES
28383	YAKUTIA AIRCOMPANY J	RUSSIAN FEDERATION

## CYPRUS

CRCO Identification no.	Operator Name	State of the Operator
33683	A&S WORLD AIRCRAFT	UNITED STATES
35731	AGREVIA HOLDINGS	GREECE
27258	AIM AVIATION	ISRAEL
34989	AIR EXECUTIVE	CYPRUS
32393	AIR ONE CORP	SWITZERLAND
37309	AIRLINE ALLIED SVCS	INDIA
33059	ALLIANCE AIR	INDIA
36209	ARK AIRWAYS	ARMENIA
37959	ARROW AVIATION LTD	ISRAEL
31856	AVIATION SVCS GUAM	UNITED STATES
25193	AVIATORS INDIA	INDIA
32427	AYEET AVIATION	ISRAEL
37570	Azur Aviation	FRANCE
31603	BRITISH GULF INTNL	UNITED ARAB EMIRATES
31988	BUSINESS-AERO OOO	RUSSIAN FEDERATION
37660	CENTAURI RP AVIATION	UNITED STATES
33580	CENTRAFRIQUE AIR EXP	CENTRAL AFRICAN REPUBLIC
12148	CHIM NIR AVIATION	ISRAEL
43511	COBALTAIR LTD	CYPRUS
34081	COMAIR (KULULA)	SOUTH AFRICA
20324	CSM AVIATION	CYPRUS
866	CYPRUS AIRWAYS	CYPRUS
33534	DOYATEC COMMS LTD	NIGERIA
27554	EDT SHIPMANAGEMENT	CYPRUS
16417	EUROCYPRIA	CYPRUS
31008	FALCON EXPRESS CARGO	UNITED ARAB EMIRATES
34679	FALLBROOK PTY LTD	AUSTRALIA

## CYPRUS

CRCO Identification no.	Operator Name	State of the Operator
34823	FIRST KUWAITI	KUWAIT
31112	FLAIR AVIATION GMBH	GERMANY
37354	FLY ME	MALDIVES
8214	FUNAIR	UNITED STATES
36929	GLOBAL JET DUBAI	UNITED ARAB EMIRATES
35606	GLOBAL PROJECTS	INDIA
7978	GLOBE AERO (3)	UNITED STATES
31245	GLOBE JET	LEBANON
32491	GOAIRLINES INDIA	INDIA
34421	GULF JET (DUBAI)	UNITED ARAB EMIRATES
f10827	Glenn Eagles Research LLP	UNITED KINGDOM
29619	HAMRA AIR	UNITED ARAB EMIRATES
f12985	HELMSBRISCOE	UNITED STATES
36429	HINDUSTAN CONSTRUCT.	INDIA
35562	INTEGRATED AVIATION	JORDAN
31523	INTERLINK AIRLINES	SOUTH AFRICA
5292	JENSON & NICHOLSON	SINGAPORE
7132	JOANNOU PARASKEVAIDE	UNITED KINGDOM
36427	JSW STEEL LTD	INDIA
30932	KINGFISHER AIRLINES	INDIA
30973	MARSLAND AVIATION	SUDAN
31441	MEGA	KAZAKHSTAN
1090	MIL DENMARK	DENMARK
1102	MIL NETHERLANDS	NETHERLANDS
35759	NAL ASSET Management Ltd	UNITED KINGDOM
28698	NATIONAL ACFT LEASIN	UNITED STATES
32955	NEW MACAU LANDMARK	CHINA

## CYPRUS

CRCO Identification no.	Operator Name	State of the Operator
24788	ORIENT THAI AIRLINES	THAILAND
31143	Orion-X' Ltd	RUSSIAN FEDERATION
24229	PANKH	RUSSIAN FEDERATION
32162	PARAMOUNT AIRWAYS VI	INDIA
37181	PINNACLE AIR PVT LTD	INDIA
f10384	Reliance Transport & Travels Pvt Ltd	INDIA
f11013	Rockcreek Aviation	UNITED STATES
f10393	SAIB LLC	UNITED STATES
26471	SAKAVIA SERVICE	GEORGIA
32298	SCANDI HIST FLIGHT	NORWAY
29833	SKY GATE	JORDAN
43175	SKYLINE AVIATION LTD	VIRGIN ISLANDS, BRITISH
f10401	Shotgun Ranch	UNITED STATES
33512	TAHMID AIR	KAZAKHSTAN
29649	UB AIR PVT LTD	UNITED STATES
30383	UKRAINIAN HELICOPTER	UKRAINE
26103	UTAIR-HELICOPTERS	RUSSIAN FEDERATION
26821	VERTICAL-T COMPANY	RUSSIAN FEDERATION

## LATVIA

CRCO Identification no.	Operator Name	State of the Operator
37312	AERO TRANSPORTE SA	UNITED STATES
28309	AEROKLUB AIST	RUSSIAN FEDERATION
23085	AIR BALTIC COORPORATION	LATVIA
31027	FERAFORT INVESTMENT	UNITED ARAB EMIRATES
35448	HENNY, J	BELGIUM
18062	INVERSIA CARGO	LATVIA

## LATVIA

CRCO Identification no.	Operator Name	State of the Operator
37294	MARIMAX JETS LTD.	RUSSIAN FEDERATION
40987	PRIMERA AIR NORDIC	LATVIA
24839	RUSAIR JOINT STOCK	RUSSIAN FEDERATION
34950	SIMPLEJET LV	LATVIA
37697	SKY GUINEE AIRLINES	TAJIKISTAN
21470	SMARTLYNX AIRLINES	LATVIA
36339	TARCO AIR	SUDAN
35294	TRI STAR AVTN CO	UNITED STATES
34617	WINGS4US	AUSTRIA

## LITHUANIA

CRCO Identification no.	Operator Name	State of the Operator
26887	AEROCENTRUM SPOL	CZECH REPUBLIC
37287	ASSOCIATION B-JET LT	LITHUANIA
26550	AVIAVILSA LVR	LITHUANIA
31300	AVION EXPRESS	LITHUANIA
36910	EUROPOS VARTAI, VSI	LITHUANIA
38814	JENDELA	GERMANY
40565	KLASJET	LITHUANIA
34813	MERIDIAN AIRWAYS	NIGERIA
31219	QANOT-SHARQ	UZBEKISTAN
35831	SAKHALINSKIE (SAT)	RUSSIAN FEDERATION
32679	SAMAL AIR	KAZAKHSTAN
25815	SCAT	KAZAKHSTAN
34582	SMALL PLANET (EY)	LITHUANIA
30296	STAR UP	PERU
27781	TRITON AVTN SERVICES	UNITED STATES

**LUXEMBOURG**

CRCO Identification no.	Operator Name	State of the Operator
36598	AERO NORTH INTL LTD	CHINA
24391	AERO-CHARTER UKRAINE	UKRAINE
36613	BULLFINCH LTD	BERMUDA
724	CARGOLUX	LUXEMBOURG
f11328	EBAY INC	UNITED STATES
26356	EMERALD AVTN USA	UNITED STATES
37613	FLEET UNLIMITED	UNITED STATES
26052	GLOBAL JET LUXEMBOUR	LUXEMBOURG
25247	HUSKY	CANADA
38885	LOUE AIR S.A.	LUXEMBOURG
1781	LUXAIR	LUXEMBOURG
23415	Luxaviation S.A.	LUXEMBOURG
6051	RANGEFLYERS, INC	UNITED STATES
29957	SMART CARGO S.A.	LUXEMBOURG
37485	STRATEGIC AIR SA	LUXEMBOURG
25108	TRADEWINDS AIRLINES	UNITED STATES
38821	UNI-TOP AIRLINES	CHINA
32947	YANGTZE RIVER EXP	CHINA

**HUNGARY**

CRCO Identification no.	Operator Name	State of the Operator
25569	ABC AIR HUNGARY	HUNGARY
32787	AEROLIMOUSINE RUSSIA	RUSSIAN FEDERATION
34259	AIR HIGHNESSES LTD.	ARMENIA
28525	AIRQUARIUS CONTRACTS	SOUTH AFRICA
36490	ALBION HOLDINGS LTD	UNITED KINGDOM
20273	ASL AIRLINES HUNGARY	HUNGARY
29545	Avia Crew Leasing	UNITED STATES

**HUNGARY**

CRCO Identification no.	Operator Name	State of the Operator
31616	BALTYKA LTD.	UKRAINE
21621	BLACKBURN INTL.HU	HUNGARY
32389	EASTERN EXPRESS	KAZAKHSTAN
36479	JETEX FLT SUP. DUBAI	UNITED ARAB EMIRATES
39195	Jabil Circuit, Inc.	UNITED STATES
24336	KRUNK AVIATION	UKRAINE
31411	PLAZA CENTERS LTD.	HUNGARY
37039	ROLLINS AIR	HONDURAS
38354	SKY AVIATION (IND)	INDONESIA
27948	TAM AIR JSC	GEORGIA
34398	TOTAL AERO SVCS LTD	UNITED KINGDOM
27768	TRAVEL SERVICE KFT.	HUNGARY
34636	UKRSPETSEXPORT	UKRAINE
22148	VALKYRIE LEASING LLC	UNITED STATES
30078	WIZZ AIR HUNGARY LTD	HUNGARY
34351	YAS AIR	IRAN, ISLAMIC REPUBLIC OF

**MALTA**

CRCO Identification no.	Operator Name	State of the Operator
42638	AIR HORIZONT LTD	MALTA
256	AIR MALTA	MALTA
39454	AIR X CHARTER LTD.	MALTA
31495	AIRBLUE LTD	PAKISTAN
40823	ALBINATI AVIATION	MALTA
36714	BACA HYDRA LEASING	AUSTRIA
37355	BRISE AIR S.A.	UNITED ARAB EMIRATES
34461	COMLUX MALTA LTD	MALTA

## MALTA

CRCO Identification no.	Operator Name	State of the Operator
34875	CONTRACTAIR LTD.	UNITED KINGDOM
f12667	Capital Aerospace	UNITED STATES
32146	DAVID FRIEND	AUSTRALIA
32274	DBF AVIATION SERV 2	AUSTRALIA
38978	DRITTE XR-GMBH	GERMANY
33271	EUROPE EXEC JET SVCS	MALTA
37277	FLUGLAUSNIR	ICELAND
37769	GLOBAL SERVICES LLC	UNITED STATES
32637	HARDY AVIATION	AUSTRALIA
30537	HEAVYLIFT CARGO	SIERRA LEONE
38311	HYPERION AVIATION	MALTA
37284	IMAGEAIR P/L	AUSTRALIA
36198	KASAS LTD	KENYA
25799	KHARKOV AIRCRAFT	UKRAINE
22461	KING AIR SERVICES	SOUTH AFRICA
32978	NEVILLE DUNN'S AVIAT	AUSTRALIA
31897	PAY S AIR SERVICE	AUSTRALIA
39008	R & M AIRCRAFT PTY	AUSTRALIA
34775	ROYAL AIRLINES LTD	PAKISTAN
22960	S TOGO	TOGO
37109	SKY AIRLINE	CHILE
32979	SRD AVIATION	AUSTRALIA
31989	SUKHOY OAO OKB	RUSSIAN FEDERATION
39103	TEN BARREL INC.	CANADA
f11796	THRESHOLD VENTURES INC	UNITED STATES
f10459	Turner Enterprises, Inc.	UNITED STATES
38457	VESTING PARTICIPACOE	BRAZIL
38482	VISTAJET LIMITED	MALTA

**MALTA**

CRCO Identification no.	Operator Name	State of the Operator
27137	WASHINGTON TIMES AVT	UNITED STATES
36435	WELLHOME AIR CARRIER	SOUTH AFRICA

**NETHERLANDS**

CRCO Identification no.	Operator Name	State of the Operator
30998	AEROVERTIGO 2	UNITED STATES
23557	AIR MEMPHIS	NETHERLANDS
37191	AIR NORTH PARTNERSHI	CANADA
29998	AIR UNIVERSAL LTD	JORDAN
36307	AIRBULANCE	NETHERLANDS
39427	AMERICAN EAGLE EXEC.	PUERTO RICO
21363	ANGOLA AIR CHARTER	ANGOLA
29335	ASPEN I LLC	UNITED STATES
23464	AVIACON ZITOTRANS	RUSSIAN FEDERATION
35323	AVIODROME LELYSTAD	NETHERLANDS
39021	BAIRES FLY S.A.	ARGENTINA
31611	BLUE AIRWAYS LLC	ARMENIA
33759	BLUE BIRD AVTN (HS)	SUDAN
34080	BRASILIAN AIRCRAFT	NETHERLANDS
33147	BUSINESS AIR (TX)	UNITED STATES
f10613	C&E Holdings Inc.	UNITED STATES
34199	CANAL AIR LLC	UNITED STATES
f11794	CARPAU CORP	UNITED STATES
2386	CHC AIRWAYS	NETHERLANDS
6984	CHINA AIRLINES	TAIWAN
24134	CHINA SOUTHERN	CHINA
39138	CITATION 550 LLC	UNITED STATES

## NETHERLANDS

CRCO Identification no.	Operator Name	State of the Operator
34951	COMPAGNIE D'AVIATION	CONGO
30777	CORENDON AIRLINES	TURKEY
34761	COVENTRY FIRST	UNITED STATES
37301	Corendon Dutch Airline B.V.	NETHERLANDS
31592	DAC-AVIATION	CANADA
37643	DAROCO HOLDINGS LLC	UNITED STATES
28015	DC-YHDISTYS	FINLAND
23651	DENIM AIR	NETHERLANDS
36211	DENIM AIR ACMI BV	NETHERLANDS
39325	DORNIER 3095 LLC	UNITED STATES
7398	DYNAMIC AIRLINES	NETHERLANDS
f12172	Digital Monitoring Products	UNITED STATES
25536	Dynamic Aviation Group Inc.	UNITED STATES
1005	ELAL	ISRAEL
21725	EMERGO FINANCE	CANADA
36313	ENERJET	CANADA
20588	EXECUJET AVTN (PTY)	SOUTH AFRICA
22713	Eastman Chemical Company	UNITED STATES
33648	Emerson Climate Technologies	UNITED STATES
35663	FIRST PROP AVIATION	GREECE
29640	FLORIDA WEST INTL AW	UNITED STATES
38731	FLY GEORGIA	GEORGIA
30803	FOKKER HERITAGE	NETHERLANDS
8034	FOKKER SERVICES BV	NETHERLANDS
11556	GABON AIR TRANSPORT	GABON
3140	GARUDA	INDONESIA
24666	GCB BEHEER	NETHERLANDS

## NETHERLANDS

CRCO Identification no.	Operator Name	State of the Operator
34347	GHASSAN AHMED	KUWAIT
28885	GLOBAL ACFT SERVICES UNITED STATES	UNITED STATES
12137	GOLDEN EUROPE JET	GERMANY
3707	HEEREMA Vliegbedrijf	NETHERLANDS
31163	INTERSTATE AIRLINE	NETHERLANDS
f10255	Idaho Investments Inc.	UNITED STATES
f12150	JAY Aviation II LLC	UNITED STATES
38601	JET A COMPANY	UNITED STATES
5131	JM Aviation Holdings	UNITED STATES
19232	Jetaway Air Service	UNITED STATES
1640	KLM	NETHERLANDS
12405	KOM ACTIVITY	NETHERLANDS
12573	Keycorp Aviation Center	UNITED STATES
f10294	LBN, LLC/Central Missouri Aviation, Inc.	UNITED STATES
29439	LIBERTY GLOBAL EUROP	NETHERLANDS
35336	LODGINGS 2000	GIBRALTAR
f11885	Liberty Global, INC	UNITED STATES
1833	MARTINAIR	NETHERLANDS
23109	MEISNER AIRCRAFT	UNITED STATES
34026	MIL NETH TRANSPORT	NETHERLANDS
37631	MK Air Pty Ltd	AUSTRALIA
278	NIPPON CARGO	JAPAN
2023	NORTHWEST AIRLINES	UNITED STATES
1770	Nationaal Lucht- en Ruimtevaartlaboratorium	NETHERLANDS
f10346	OMI Management US LP	UNITED STATES
43017	OSA AVIATION	NIGERIA
37004	OSHKOSH CORPORATION	UNITED STATES

## NETHERLANDS

CRCO Identification no.	Operator Name	State of the Operator
f10349	Oshkosh Corporation	UNITED STATES
f10928	Oxbow Falcon LLC	UNITED STATES
34344	PARADIGM JET MGMT	UNITED STATES
449	PATH	UNITED STATES
37434	PEGASUS TECH	UNITED STATES
22139	POLAR AIR CARGO WW	UNITED STATES
f12245	Prime City Holdings Limited Bvi	VIRGIN ISLANDS, BRITISH
f13142	Promega Corporation	UNITED STATES
35234	SAMCO AIRCRAFT CORP	NETHERLANDS
32631	SEXTANT HOLDINGS	UNITED STATES
2440	SHELL AIRCRAFT	NETHERLANDS
31729	SILVER AIR LTD	UNITED ARAB EMIRATES
44026	SKY GATES AIRLINES	RUSSIAN FEDERATION
20544	SKYLINE AVIATION	NETHERLANDS
6050	SKYWEST AIRLINES	AUSTRALIA
31449	SOC. DE CONSERVATION	NETHERLANDS
2628	SURINAM AIRWAYS LTD	SURINAM
32167	Sama LeTayaran Company Limited	SAUDI ARABIA
22345	THE NATIONAL POLICE	NETHERLANDS
2723	TRANSAVIA AIRLINES	NETHERLANDS
38200	TRAVEL AIR (PAPUA)	PAPUA NEW GUINEA
30852	TUI NED. ARKEFLY	NETHERLANDS
37890	UNIVERSAL HEALTH MGM	UNITED STATES
19198	UNIVERSAL WEATHER UK	UNITED KINGDOM
23316	WILMINGTON TRUST CY	UNITED STATES
42795	XIAMEN AIRLINES	CHINA
31532	Xojet	UNITED STATES

## NORWAY

CRCO Identification no.	Operator Name	State of the Operator
28884	AERONAUTICA SUNTRANS	VENEZUELA, BOLIVARIAN REPUBLIC OF
35709	AIR MANAS	TAJIKISTAN
33563	AL THANI, ABDULLAH	QATAR
33869	ALCI ANTARTIC	SOUTH AFRICA
f12790	ALPINE AVIATION INC	UNITED STATES
32992	AMAZON SKY SAC	PERU
36140	ARMSTRONG-SUMIN H B	UNITED STATES
37320	AVIA EXPRESS SWEDEN	SWEDEN
550	BERGEN AIR TRANSPORT	NORWAY
37084	BRISTOW NORWAY AS	NORWAY
36851	CHC HELI. AUSTRALIA	AUSTRALIA
3536	CHC HELIKOPTER	NORWAY
32128	CRESCINI G	UNITED STATES
5071	CROIX ROUGE	SWITZERLAND
f10118	Chouest Air, Inc.	UNITED STATES
38211	DONGHAI JET COMPANY	CHINA
28088	Duke Energy Business Services LLC	UNITED STATES
37853	FIELD AVIATION CY	CANADA
32166	FLYFORT	NORWAY
34355	FLYJET KAZAKHSTAN	KAZAKHSTAN
27731	GUARD SYSTEMS ASA	NORWAY
f10772	Gpluss	UNITED STATES
34076	HELISWISS INTL	SWITZERLAND
f12850	HOAK TRAVEL INC	UNITED STATES
28864	JAZZ AIR	CANADA
f11458	MAJESTIC EQUIPMENT SERVICES LLC	UNITED STATES

**NORWAY**

CRCO Identification no.	Operator Name	State of the Operator
17698	MARINE R CORP	UNITED STATES
31852	MFI MANAGEMENT FUR	GERMANY
34343	MIDAIR LS	SWITZERLAND
32571	NORSK HELIKOPTER AS	NORWAY
22212	NORWEGIAN AIRSHUTTLE	NORWAY
32975	PLANE FOLK LLC	UNITED STATES
37652	RELY AS	NORWAY
37658	SCANDINAVIAN A/SYS	SWEDEN
24142	SMC AVIATION	CYPRUS
32653	SMOKELESS TOBACCO	UNITED STATES
33705	SUNDT AIR MNGT AS	NORWAY
35288	SUNSHINE AIR SVCS	AUSTRALIA
f10893	W. C. Aviation	UNITED STATES
5343	WIDEROE FLYVESELSKAP	NORWAY
33661	WINNER 614 JH LLC	UNITED STATES

**AUSTRIA**

CRCO Identification no.	Operator Name	State of the Operator
28314	AAA — AIR ALPS AVTN	AUSTRIA
21973	AAA COOPER TRANSPORT	UNITED STATES
209	AIR CHARTER LTD	SWITZERLAND
35091	AIR SYLHET AG	AUSTRIA
37260	ALTENRHEIN LUFTFAHRT	AUSTRIA
38061	ARTJET LTD	BERMUDA
27885	AUSTIN JET HOLDING	AUSTRIA
440	AUSTRIAN AIRLINES	AUSTRIA
30611	AVIA CONSULT/SAGAVIA	AUSTRIA

## AUSTRIA

CRCO Identification no.	Operator Name	State of the Operator
35521	AVIATION SVC. MNGT	UNITED ARAB EMIRATES
35434	AVIATION-LOWW GMBH	AUSTRIA
32825	AVTN PARTNERS INC	UNITED STATES
33061	Avcon Jet AG	AUSTRIA
f11781	BCOM AIR LLC	UNITED STATES
11578	BERTSCH AVIATION	AUSTRIA
31562	BFS BUSINESS FLIGHT	AUSTRIA
27000	CENTRE-AVIA AIRLINES	RUSSIAN FEDERATION
3813	CHARTER AIR	AUSTRIA
20561	COMTEL AIR	AUSTRIA
f14570	CONCOFF TRADING CORPORATION	VIRGIN ISLANDS, BRITISH
32053	DJT AVIATION GMBH	AUSTRIA
36370	FEWOTEL BERTRIEBS	AUSTRIA
8620	FLY JET	ITALY
15451	GEORGETOWN MNGMNT	UNITED STATES
31326	GLOBAL JET AUSTRIA	AUSTRIA
29397	GROSSMANN AIR (2)	AUSTRIA
30486	HADID INTNL SERVICES	UNITED ARAB EMIRATES
38013	INNOVATIVE PROPRTIE	UNITED STATES
30323	INTERNATIONAL JET	AUSTRIA
28512	INTERSKY LUFTHAFT	AUSTRIA
39111	JETALLIANCE (2)	AUSTRIA
34493	Jetlines	GERMANY
25637	KRONO AIR	AUSTRIA
32335	LARET AVIATION LTD.	SWITZERLAND
30222	LAUDAMOTION GMBH	AUSTRIA
f10771	LK Air, Inc.	UNITED STATES

## AUSTRIA

CRCO Identification no.	Operator Name	State of the Operator
37796	LYONESS AVIATION	AUSTRIA
39012	M B P COM. & IMP.	BRAZIL
28808	M.A.P. Management + Planning	AUSTRIA
9965	MAGNA INTERNATIONAL	CANADA
1083	MIL AUSTRIA	AUSTRIA
22617	MIL SLOVENIA	SLOVENIA
33517	MJET GMBH	AUSTRIA
33073	Majestic Executive Aviation AG	AUSTRIA
29932	NIKI LUFTEFAHRT GMBH	AUSTRIA
8582	OMY AVIATION SUISSE	SWITZERLAND
35956	PEGASUS JETS LTD	SWITZERLAND
39219	PROXIMA LTD	UNITED ARAB EMIRATES
32449	ROBIN HOOD AVIATION	AUSTRIA
38249	RZ AIR CHARTER GMBH	AUSTRIA
3858	SCHAFFER	AUSTRIA
27384	SCHAFFER GMBH	SWITZERLAND
13030	STRASSER GMBH	AUSTRIA
35104	SWAN VIEW	AUSTRIA
25989	THE FLYING BULLS	AUSTRIA
28567	TUPACK	AUSTRIA
26871	TYROL AIR AMBULANCE	AUSTRIA
8421	TYROLEAN JET SERVICE	AUSTRIA
19210	UKRAINE INTL AIRLINE	UKRAINE
32735	VIENNA JET	AUSTRIA
33552	VIPJETS LUFTEFAHRT	AUSTRIA
32040	VISTAJET	AUSTRIA
26443	VOLGA AVIAEXPRESS	RUSSIAN FEDERATION

## AUSTRIA

CRCO Identification no.	Operator Name	State of the Operator
f10472	Weeks-Davies Aviation, Inc.	UNITED STATES
36939	XENTRA PHARM LTD	IRELAND

## POLAND

CRCO Identification no.	Operator Name	State of the Operator
36500	A&S WORLD ACFT INC	RUSSIAN FEDERATION
31588	AERO POWER UK	UNITED KINGDOM
40166	AIR GO EGYPT	EGYPT
38570	AIR NORTH REGIONAL	AUSTRALIA
33187	AIR POLAND SP.Z.O.O.	POLAND
21406	AMC AVIATION	EGYPT
37958	ARKADY SP.Z.O.O.	POLAND
27743	AWAS AVTN SRVC	UNITED STATES
38443	BINGO AIRWAYS	POLAND
33876	CEZAR PRZEDSIEBIORST	POLAND
31191	ECC LEASING COMPANY	IRELAND
38442	EHT SA	LUXEMBOURG
36143	ENTER AIR	POLAND
25625	EUROLOT SA	POLAND
32532	HAWKER PARTNERSHIP	UNITED KINGDOM
24631	J S AVIATION	UNITED KINGDOM
31322	JET STORY SP.Z.O.O.	POLAND
32562	KORAL BLUE AIRLINES	EGYPT
33079	LC ENGINEERING	POLAND
1763	LOT POLISH AIRLINES	POLAND
30797	MAGELLAN PRO-SERVICE	POLAND

## POLAND

CRCO Identification no.	Operator Name	State of the Operator
15423	MARITIME OFFICE	POLAND
35190	MIDWEST AIRLINES	EGYPT
1082	MIL ALGERIA	ALGERIA
15686	MIL BULGARIA	BULGARIA
1097	MIL FINLAND	FINLAND
6310	MIL NATO NAPMA	GERMANY
1113	MIL POLAND	POLAND
11555	MIL ROMANIA	ROMANIA
37385	MUSCO SPORTS LIGHT	UNITED STATES
32654	NG2 S.A.	POLAND
31237	OLT EXPRESS REGIONAL	POLAND
37290	OLT Express Poland	POLAND
28514	POGRANICHNAYA KAZ	KAZAKHSTAN
32968	POLISH AIR NAVIG	POLAND
29333	PYRLANDIA BOOGIE SP.	POLAND
30603	PZL MIELEC	POLAND
24855	ROVNO UNIVERSAL AVIA	UKRAINE
35551	SAUDI MEDICAL SERV.	SAUDI ARABIA
36308	SMALL PLANET EP	POLAND
30192	SPRINTAIR SA	POLAND
36858	TELE-FONIKA KABLE	POLAND
38446	TRAVEL SERVICE EP	POLAND
26078	TURAN AIR	AZERBAIJAN
22273	VENKATESHWARA HATCH	INDIA
39588	YOLENAL AERONAUTICS	UNITED KINGDOM
35851	YOLENAL LIMITED	POLAND

## PORTUGAL

CRCO Identification no.	Operator Name	State of the Operator
38947	540 GHANA LIMITED	GHANA
37971	ACFT CONSULTANTS 2	UNITED STATES
37357	AERO CONTRACTORS	UNITED STATES
33236	AERONAUTIC SOLUTIONS	SOUTH AFRICA
37192	AERONEXUS CORPORATE	SOUTH AFRICA
26220	AERONORTE	PORTUGAL
34994	AFRICAIR USA (2)	UNITED STATES
f12788	AG HOLDINGS I CORP	UNITED STATES
f12949	AGRI COMMODITY TRADE LLC	UNITED STATES
9568	AIR BEAR	UNITED STATES
35406	AIR BY JET LLC	UNITED STATES
12500	AIR TRACTOR	UNITED STATES
34315	AIRALT SL	SPAIN
39102	AIRCO AIRCRAFT	CANADA
f11466	AIRCRAFT TRUST & FINANCING CORP TRUSTEE	UNITED STATES
35358	AIRES S.A.	COLOMBIA
32873	AIRLOG INTL LTD	UNITED STATES
35522	AMERICAN JET INTL 2	UNITED STATES
35973	AMERICAN LOGISTICS	ARGENTINA
33621	ANGOLA AIR SERVICE	ANGOLA
31591	ASSOCIATED AV (NIG)	NIGERIA
29535	ASSOCIATED AVTN	UNITED KINGDOM
37174	AV FLEET HOLDING LLC	UNITED STATES
31919	AVIATION COMPANY	SOUTH AFRICA
10055	AVIATION SRVCS INTL	UNITED STATES
36487	AVIONCO	CANADA
f12524	Air Bravo	UNITED STATES

## PORTUGAL

CRCO Identification no.	Operator Name	State of the Operator
33625	Air Cargo Carrier Gov Div	UNITED STATES
f11871	Airways Management Services	UNITED STATES
f12525	Alesworth	UNITED STATES
23852	Aries Aviation	CANADA
35811	BANK OF UTAH	UNITED STATES
25881	BARNETT INVESTMENTS	UNITED STATES
3935	BASLER TURBO	UNITED STATES
f10078	BASURVENCIA	UNITED STATES
38781	BEST FLY WORLDWIDE	ANGOLA
37795	BLUE SKY PROPERTIES	PANAMA
32957	BORDER SECURITY	INDIA
28573	BRA TRANSP AEREOS	BRAZIL
27477	BROAD RIVER AVTN	UNITED STATES
38891	BRUCE LEVEN	UNITED STATES
34501	BUFFINI & COMPANY 2	UNITED STATES
35174	Banco Pine SA	BRAZIL
f11394	CAMAC AVIATION LLC	UNITED STATES
f11249	CAOA Montadora de Veiculos S/A	BRAZIL
35613	CELESTIAL AV TRADING	IRELAND
34187	CEMAIR	SOUTH AFRICA
f11421	CHALLENGER 1073 LLC	UNITED STATES
37305	CHALLENGER 605 LLC	BRAZIL
29700	CHARTERTECH PARTNER	SOUTH AFRICA
32199	CHERRY AIR AVIATION	UNITED STATES
38270	CHIK-CHIK AERONAUTIC	ANGOLA
27516	CIELOS DEL PERU SA	PERU
f13619	CIMED Industria de Medicamentos Ltda	BRAZIL

## PORTUGAL

CRCO Identification no.	Operator Name	State of the Operator
23339	CIT LEASING	UNITED STATES
33653	CJ AIR SAFARIS	SOUTH AFRICA
24811	CLOS DE BERRY MGMT	UNITED STATES
35501	COHEN RICARDO	UNITED STATES
32983	COMAIR (2)	UNITED STATES
24378	COMAIR SALES LTD	SOUTH AFRICA
30053	CONSORCIO UNIBANCO	BRAZIL
33062	CONSTRUCTORA SAMBIL	VENEZUELA, BOLIVARIAN REPUBLIC OF
36787	CONSTRUTORA COWAN	BRAZIL
33176	CRYSTAL AIR AVTN	UNITED STATES
37409	Casas Bahia Comercial LTDA	BRAZIL
f10986	Challenger Air Corp., LLC	UNITED STATES
f10117	Channellock, Inc.	UNITED STATES
28991	Construtora Andrade Gutierrez, S.A.	BRAZIL
f12176	Contran Corporation	UNITED STATES
32382	Curves International Inc	UNITED STATES
35533	DIAS BRANCO ADMINI	BRAZIL
31528	DISTRIBUIDORA PHARMA	BRAZIL
f12527	Derwick Associates de Venezuela	UNITED STATES
27988	EAGLE MOUNTAIN INTL	UNITED STATES
33867	EMBASSY OF INDIA	PORTUGAL
34414	EMPR.DE MEIOS AEREOS	PORTUGAL
25289	EUROATLANTIC AIRWAYS	PORTUGAL
30179	EXECUTIVE TURBINE	SOUTH AFRICA
f12189	Enterprise Aviation — Bermuda Ltd	UNITED STATES
23864	FAITH LANDMARK	UNITED STATES

## PORTUGAL

CRCO Identification no.	Operator Name	State of the Operator
31214	FALCONCREST AVTN	UNITED STATES
24973	FLIGHT MANAGEMENT	UNITED STATES
30684	FLUIRDADOS SA	PORTUGAL
37242	FUNG WING CHEUNG	CHINA
f10727	Falcon Executive Aviation, Inc.	UNITED STATES
f11847	Flightstream Aviation LLC	UNITED STATES
35289	G 137 LLC	UNITED STATES
27761	GAMBIA INTL (2)	GAMBIA
8760	GAVILAN	UNITED STATES
36437	GEMINI MOON TRADING	SOUTH AFRICA
f12704	GIROSKI AVIATION LLC	UNITED STATES
30178	GLOBAL EQUITIES	SOUTH AFRICA
31572	GLOBAL FLIGHT SUPPRT	UNITED STATES
f11793	GLOBAL MISSION LLC	UNITED STATES
f11434	GROSFELD INVESTORS LLC	UNITED STATES
36978	GUNTER PPS LLC	UNITED STATES
36257	GYROCAM SYSTEMS	UNITED STATES
34888	HAMPTON CRYSTAL	NIGERIA
36346	HM LLC	UNITED STATES
29095	HMY AIRWAYS INC	CANADA
31879	HUGHES AIR CORP	CANADA
32070	Hy Fly, Transportes Aéreos, S.A.	PORTUGAL
34593	IAL CORP	UNITED STATES
38058	IBECA SA	CUBA
32417	IBIS Participações e Serviços Ltda.	BRAZIL
32833	INDIGO TRANSPORT	UNITED STATES
37805	INMOBILIARIA RASAL	GUATEMALA

## PORTUGAL

CRCO Identification no.	Operator Name	State of the Operator
32173	INTERWINGS AIRCHRTR	SOUTH AFRICA
32590	Igreja Universal do Reino de Deus	BRAZIL
31628	JDL Aviation LLC	UNITED STATES
37257	JESPER CONTINENTAL	ISRAEL
7255	JET FLIGHT SERVICES	UNITED STATES
33637	JET MANAGEMENT INC	UNITED STATES
38520	JET MANAGERS INC	UNITED STATES
33382	JETFLY SUISSE SARL	SWITZERLAND
f10281	JMI Services Inc.	UNITED STATES
27707	JORDAN AVIATION	JORDAN
38883	JW CONSTRUCTION CO	UNITED STATES
34763	Joyce Meyer Ministries	UNITED STATES
32523	K&P AVIATION LLC	UNITED STATES
34683	KANDO JET LLC	UNITED STATES
32791	KING AIR CHARTER	SOUTH AFRICA
32122	KJ AIR	UNITED STATES
32488	KNIGHTS ARLINES LTD	NIGERIA
f11799	KTI INCORP	UNITED STATES
38707	L-3 COMMS AEROMET	UNITED STATES
34911	L3 COMMUNICATIONS ADVANCED AVIATION LLC	UNITED STATES
26001	LADS	AUSTRALIA
37177	LANE AVIATION INC	UNITED STATES
38064	LIMA DELTA COMPANY	UNITED STATES
f11784	LIVING WORD CHRISTIAN CENTER	UNITED STATES
31063	LUZAIR SA	PORTUGAL
f12528	La Cadena	UNITED STATES
40079	MAAMBA COLLIERIES	ZAMBIA

## PORTUGAL

CRCO Identification no.	Operator Name	State of the Operator
37666	MACHAVIA INC	UNITED STATES
29587	MACNEIL AVIATION LLC	UNITED STATES
37794	MADRONE ADVISORS	UNITED STATES
38933	MAHIL AGROPECUARIA	BRAZIL
35273	MALAYSIAN DCA	MALAYSIA
28388	MANACA TAXI AEREA	BRAZIL
30683	MASTERJET-AVIACAO	PORTUGAL
32546	MBF HEALTHCARE MGMT	UNITED STATES
32317	MCC AVIATION	SOUTH AFRICA
34766	MED-VIEW AIRLINES	NIGERIA
35632	MERIDIAN AVTN (CO)	UNITED STATES
33303	MH AVIATION	UNITED STATES
37098	MH AVIATION SERVICES	SOUTH AFRICA
31810	MINISTRY TRANSPORT	NIGERIA
f12190	ML200 Leasing LLC	UNITED STATES
29463	MORGAN FLIGHT	UNITED STATES
32691	MOURITEEN FAMILY TR	SOUTH AFRICA
32137	MOURITZEN FAMILY	SOUTH AFRICA
31396	Mariner Management LLC	BARBADOS
25266	Mente L.L.C.	UNITED STATES
f13250	Mercantil Servicios Financieros C.A.	UNITED STATES
28772	NATURELINK AVIATION	SOUTH AFRICA
33092	NICON AIRWAYS	NIGERIA
33140	NOLINOR AVIAT (NLN)	CANADA
f10339	NWW Excel II Inc.	UNITED STATES
23781	Netjets Transportes Aéreos, S.A.	PORTUGAL
f13917	Nevada Restaurant Services. INC	UNITED STATES

## PORTUGAL

CRCO Identification no.	Operator Name	State of the Operator
30008	OCEANAIR LINHAS AER	BRAZIL
32688	Orbest Airlines, S.A.	PORTUGAL
f11505	Owner of the aircraft with registration mark: N723HH	UNITED STATES
f12895	Owner of the aircraft with registration mark: PREST	BRAZIL
f12899	Owner of the aircraft with registration mark: PRMMP	BRAZIL
36786	PACIFIC FLIER	MICRONESIA, FEDERATED STATES OF
29678	PARTNERSHIP	SOUTH AFRICA
25069	PASSAREDO SA	BRAZIL
33232	PEACON ASSOCIATES	UNITED STATES
38880	PERDIEM PILOTS LLC	UNITED STATES
38542	PETROWEST SERVICES	SWITZERLAND
8058	PILOT INTERNATIONAL	UNITED STATES
28105	PROFESSIONAL MAINTNC	UNITED STATES
34256	Planair Enterprises	BERMUDA
31277	R & R AIRCRAFT	UNITED STATES
31995	RANI S AVIATION	UNITED STATES
31003	RB SPORTS INTL	CAYMAN ISLANDS
7732	RICH PRODUCTS	UNITED STATES
36622	RICHARD P. MATHESON	UNITED STATES
31958	ROSTON AVIATION	UNITED STATES
35338	ROYAL JET INC	UNITED STATES
32614	RSE COMPANY	UNITED STATES
37646	RSE COMPANY DELAWARE	UNITED STATES
f12718	RUSSELL AVIATION LEASING INC	UNITED STATES
f10830	Reyes Holdings, LLC	UNITED STATES
22689	S IVORY COAST	CÔTE D'IVOIRE

## PORTUGAL

CRCO Identification no.	Operator Name	State of the Operator
28661	SAHARA AVIATION	SOUTH AFRICA
36028	SIERRA NEVADA SNC.	UNITED STATES
38239	SIFCO SA	BRAZIL
34940	SIGNIA JETS	SPAIN
31892	SKYROS PROPERTIES	SOUTH AFRICA
36707	SPARTAN ORGANISATION	UNITED STATES
9295	SPECIALIZED AIRCRAFT	UNITED STATES
31178	SPECTREM AIR	SOUTH AFRICA
19821	SPORTO SNC	FRANCE
33551	STAR AIR CARGO	SOUTH AFRICA
31587	STORM AVTN CANADA	CANADA
35493	STRATEGIC AIRLINES	AUSTRALIA
2354	Sata Air Açores, S.A.	PORTUGAL
25573	Sata Internacional, S.A.	PORTUGAL
f12670	Schweitzer Engineering Labs Inc	UNITED STATES
f10406	Spectator, Inc. and Kalco Corporation	UNITED STATES
388	TAAG — Linhas Aéreas de Angola — Angola Airlines	ANGOLA
2649	TACV-Transportes Aéreos de Cabo Verde, S.A.	CAPE VERDE
34229	TAK CONTINENTAL LTD	UNITED STATES
2656	TAP-Transportes Aéreos Portugueses, S.A.	PORTUGAL
39124	TAXI AER PIRACICABA	BRAZIL
21003	TAXI AEREO WESTON	BRAZIL
f11806	THREE VALLEYS RANCH LLC	UNITED STATES
27408	TINAIRLINES	PORTUGAL
30033	TRANS CAPITAL AIR	CANADA
32712	TRAYTON AVIATION	UNITED STATES
31334	TRIDENT AVIATION HK	KENYA

## PORTUGAL

CRCO Identification no.	Operator Name	State of the Operator
39447	TRIJET AVTN SPV LTD.	SWITZERLAND
32974	TRIUMPH AIRWAYS LTD	CANADA
37761	TROP COMERCIO EXTER	BRAZIL
31496	TRUSH AIRCRAFT	UNITED STATES
f12760	TSTC LLC	UNITED STATES
f13023	Tierecel Limited/Corbantrade Cia. Ltda.	UNITED STATES
34375	Toby Limited	CAYMAN ISLANDS
11938	UAC AIR CHARTER	GERMANY
32229	US AVIATION CORP	UNITED STATES
31833	US EUROPE AFRICA TR	UNITED STATES
35718	United Bank Card	UNITED STATES
32025	VALLEYSOFT	ANGOLA
30481	VITESSE AVIATION	BRAZIL
30887	VOYAGEUR AIRWAYS (2)	CANADA
31801	WACHOVIA FINANCIAL	UNITED STATES
37186	WAYLAWN	ISRAEL
32618	WC FERRIES	SOUTH AFRICA
35256	WEBJET LINHAS AEREAS	BRAZIL
30546	WEST CENTRAL AIR	CANADA
27218	WHITE-AIRWAYS SA	PORTUGAL
f11379	WILLOW CREEK ASSOCIATION	UNITED STATES
30536	WINGS AVTN NIGERIA	NIGERIA
7965	WORLDWIDE FERRYING	CANADA
f10773	Wells Fargo Bank NW NA	UNITED STATES
f11443	X PEGASUS LLC	UNITED STATES
42339	ZAPAIR ADM. AERONAVE	BRAZIL

## ROMANIA

CRCO Identification no.	Operator Name	State of the Operator
f11849	26 North Aviation	UNITED STATES
37254	AAR AIRLIFT	UNITED STATES
38504	AERSALE INC	UNITED STATES
36412	AIR BUCHAREST	ROMANIA
31871	AIR JET LDA	UNITED ARAB EMIRATES
31492	AIRCRAFT TRADERS	BELGIUM
31265	AIRJET ANGOLA	ANGOLA
33726	ALFA AIR SERVICES	ROMANIA
26569	ARP 410 AIRLINES	UKRAINE
26750	AVE.COM FZC	UNITED ARAB EMIRATES
30600	BLUE AIR TRANSPORT AERIAN	ROMANIA
27344	BUKOVYNA	UKRAINE
34021	CAGDAS AIR	TURKEY
26254	CARPATAIR	ROMANIA
37103	CITYLINK	GHANA
31415	DETA AIR	KAZAKHSTAN
29714	EUROJET ROMANIA	ROMANIA
37634	INTER AVIATION SRL	ROMANIA
2349	JETRAN	UNITED STATES
31627	JETRAN AIR S.R.L.	ROMANIA
31435	KYRGYZ TRANS AVIA	TAJIKISTAN
30390	LIBYAVIA AVIATION	LIBYA
31716	MAX AVIA	TAJIKISTAN
35518	MDLR AIRLINES	INDIA
28204	MIA	LEBANON
30986	MIA AIRL.	ROMANIA
21209	MIAMI AIR INTL	UNITED STATES

**ROMANIA**

CRCO Identification no.	Operator Name	State of the Operator
32236	MIDDLE EAST AVIATION	LEBANON
32327	RED STAR (FZE)	UNITED ARAB EMIRATES
27810	ROMANIAN ACADEMY	ROMANIA
26019	ROMANIAN CIVIL AERONAUTICAL AUTHORITY	ROMANIA
12320	ROMAVIA ROMANIAN	ROMANIA
24932	ROSTVERTOL	RUSSIAN FEDERATION
f10719	Riata Management LLC	UNITED STATES
10864	S CAMEROON	CAMEROON
26056	SANTAY AIR	TURKEY
39475	SKYBLUE AERO PVT LTD	INDIA
2658	TAROM	ROMANIA
38059	TEN AIRWAYS SRL	ROMANIA
39073	TRIDENT JET LEASING	IRELAND
33564	VEGA AIR COMPANY	UKRAINE
28579	VICTORIA AVTN	UNITED KINGDOM
27298	VISION AIRLINES	UNITED STATES

**SLOVENIA**

CRCO Identification no.	Operator Name	State of the Operator
129	ADRIA AIRWAYS	SLOVENIA
32878	ARTHEL SARL	FRANCE
32720	CITIC GEN AVIATION	CHINA
35546	CSI AVIATION SVCS	UNITED STATES
33291	ELITAVIA D.O.O.	SLOVENIA
36624	IRTYSH-AIR	KAZAKHSTAN
35867	REGION AVIA AIRLINES	RUSSIAN FEDERATION
20012	SOLINAIR D.O.O.	SLOVENIA

## SLOVAKIA

CRCO Identification no.	Operator Name	State of the Operator
36800	AELIS GROUP A.S.	SLOVAKIA
29083	AEROMIST KHARKIV	UKRAINE
36293	AIREXPLORE LTD.	SLOVAKIA
36260	AVIA AM LEASING	LITHUANIA
23803	BERIEV ACRFT COMPANY	RUSSIAN FEDERATION
34446	BOTTLESPRING LTD	CYPRUS
31950	EAGLE AIR (SL) LTD	SIERRA LEONE
31730	EASTERN	SLOVAKIA
30601	EASTERN AIRWAYS (FD)	SWAZILAND
38208	EASTERN AIRWAYS(PTY)	SWAZILAND
30547	FILAIR 2	CONGO
22395	GOVERNMENT SLOVAKIA	SLOVAKIA
38541	Georgian LLC	GEORGIA
30935	ILYICH IRON & STEEL	UKRAINE
33181	JUMP-TANDEM S.R.O.	SLOVAKIA
30337	KAM AIR	AFGHANISTAN
36456	MOKRANCE STEEL MILLS	SLOVAKIA
23544	SLOVAK TRANSP. AUTH.	SLOVAKIA
35142	SSIM, A.S.	SLOVAKIA
27064	STEEL KOSICE	SLOVAKIA
36243	TRAVEL SERVICE SLOV	SLOVAKIA
36633	VJEKOSLAV MIHAJLOVIC	SERBIA
37222	VR JET A.S.	SLOVAKIA

## FINLAND

CRCO Identification no.	Operator Name	State of the Operator
3167	AIR NIAMEY	NIGER
380	ALTICOR	UNITED STATES

## FINLAND

CRCO Identification no.	Operator Name	State of the Operator
24494	ATYRAU AUE JOLY	KAZAKHSTAN
38637	BEST JETS INTL	UNITED STATES
f10892	Best Friends Air	UNITED STATES
31399	CARLBAD ENTERPRISES	UKRAINE
838	CITYJET OY	FINLAND
35898	EXTREME CRAFTS VI	UNITED STATES
9834	FIN AVIATION ACADEMY	FINLAND
1167	FINNAIR OY	FINLAND
37664	HANGAR AVIATION MGMT	UNITED STATES
5922	JETFLITE	FINLAND
25610	KAZAIR WEST	KAZAKHSTAN
31987	Lone Ranger Jets LLC	UNITED STATES
26102	MAGADANAVIALISING	RUSSIAN FEDERATION
8930	METROPOLITAN LIFE	UNITED STATES
27086	NORDIC REGIONAL AIRLINES OY	FINLAND
32127	RIVER AVIATION	FINLAND
26295	SPARC AVIA CJSC	RUSSIAN FEDERATION
30246	TUPOLEV OAO	RUSSIAN FEDERATION
33207	UTAIR-EXPRESS LTD	RUSSIAN FEDERATION
28491	ZAO AK BYLINA	RUSSIAN FEDERATION

## SWEDEN

CRCO Identification no.	Operator Name	State of the Operator
31883	AIR NELSON (2)	NEW ZEALAND
35376	AIR SWEDEN AVIATION	SWEDEN
35786	AJ PRODUKTER AB	SWEDEN
20289	AKE JANSSON	SWEDEN

## SWEDEN

CRCO Identification no.	Operator Name	State of the Operator
38079	ALISE AVIATION LLC.	UNITED STATES
36103	ALLEGiant AIR LLC	UNITED STATES
37047	ALNASER AIRLINES	JORDAN
30326	AMAPOLA FLYG AB	SWEDEN
21131	ATRAN-AVIATRANS	RUSSIAN FEDERATION
455	Avia Express Sweden AB	SWEDEN
30470	BABCOCK SCAND AIRAMB	SWEDEN
23804	BH AIRLINES	BOSNIA AND HERZEGOVINA
12084	BIRGMA SWEDEN AB	SWEDEN
32341	BLUE AERO	FRANCE
24912	BLUE CHIP JET	SWEDEN
22830	BRAATHENS REGIONAL	SWEDEN
38682	BRAVO AIRWAYS	UKRAINE
30391	BUSINESS AVIATION UK	UKRAINE
f10112	CCI Pilot Services II, LLC	UNITED STATES
f11023	CHAILEASE FINANCE (BVI) Corp.	VIRGIN ISLANDS, BRITISH
32004	CINGULAR WIRELESS	UNITED STATES
26939	CITY AIRLINE AB	SWEDEN
38659	CITY AIRLINE AB 2	SWEDEN
37937	CLYDE AIR AB	SWEDEN
38080	COMAIR (3)	UNITED STATES
36076	COMTRAN INTERNATIONAL INC	UNITED STATES
f10123	Comcast Corporation/Classic Services	UNITED STATES
28009	Corning Incorporated	UNITED STATES
30875	DLS AIR	UNITED STATES
40082	DYNAMIC AIRWAYS	UNITED STATES
38727	EXEC JET ENTERPRISE	TAIWAN

## SWEDEN

CRCO Identification no.	Operator Name	State of the Operator
31463	EXPO AVIATION PVT 2	SRI LANKA
31837	EZNIS AIRWAYS	MONGOLIA
35824	FLEETLEADER AB	SWEDEN
8697	FLYGANDE VETERANER	SWEDEN
38448	FLYGLINJEN VATTERBYG	SWEDEN
35907	FORSCHUNGSZENTRUM	GERMANY
23513	Fly Logic	SWEDEN
31506	GLOBAL AVTN PARTNERS	RUSSIAN FEDERATION
39114	GOIANIA COMERCIO	PORTUGAL
22647	H-BIRD AVTN SVCS AB	SWEDEN
23882	HASTENS SANGAR AB	SWEDEN
27706	INTERNAL MINISTRY UK	UKRAINE
34845	JET ARROW	SWITZERLAND
39062	JET PLAID LLC	UNITED STATES
32414	JORDAN CONSULTING	UNITED STATES
33688	JP AIR AB (2)	SWEDEN
35590	K/S HAWKER	DENMARK
3839	KINNARPS	SWEDEN
5790	KUSTBEVAKNINGEN	SWEDEN
34960	LARGUS AVIATION AB	SWEDEN
35390	MCA AIRLINES	SWEDEN
1103	MIL HUNGARY	HUNGARY
1116	MIL SWEDEN	SWEDEN
23589	MIL/CIV SWEDEN	SWEDEN
21450	Malmö Aviation AB	SWEDEN
37340	N724DB LLC	SPAIN
30120	NEXTJET AB	SWEDEN

SWEDEN		
CRCO Identification no.	Operator Name	State of the Operator
30511	Norwegian Air Shuttle Sweden AB	SWEDEN
24970	Nova Airlines AB	SWEDEN
2041	OCCIDENTAL PETROLEUM	UNITED STATES
26024	PA-FLYG AB	SWEDEN
33709	PMI GLOBAL SVCS INC	UNITED STATES
37993	PROFESSIONAL AIR	UNITED STATES
24567	RAINIER AVTN	UNITED STATES
29020	RAYA AIRWAYS SDN BHD	MALAYSIA
25043	SA EXPRESS	SOUTH AFRICA
25966	SAAB AB	SWEDEN
13488	SAAB AB SUPP & SERV	SWEDEN
35916	SAMOA TECHNOLOGIES	UNITED STATES
38353	SAPPI MANUFACTURING	SOUTH AFRICA
2351	SAS	SWEDEN
34500	SFS HOLDING AB	SWEDEN
37442	SHOTGUN RANCH LLC	UNITED STATES
39172	SKYMERE STORM	UNITED KINGDOM
38691	SKYWAYS EXPRESS AB 2	SWEDEN
7491	SNAS COURIERS	BAHRAIN
38038	SOL LINEAS AEREAS SA	ARGENTINA
21918	SOUTH AFRICAN EXPRES	SOUTH AFRICA
35483	SPITFIRE INVESTMENTS	UNITED KINGDOM
32740	SWAFHF	SWEDEN
f12232	Shuert Enterprises	UNITED STATES
36334	TAM AB	SWEDEN
30408	TANDORO	SWITZERLAND
34708	TOR AIR AB	SWEDEN

## SWEDEN

CRCO Identification no.	Operator Name	State of the Operator
23235	TUIFLY NORDIC AB	SWEDEN
26810	UAB APATAS	LITHUANIA
7778	VARTIOLENTOLAIVUE	FINLAND
29367	Viking Airlines AB	SWEDEN
32336	WADE AIR	AUSTRALIA
20170	WEST AIR SWEDEN AB	SWEDEN

## UNITED KINGDOM

CRCO Identification no.	Operator Name	State of the Operator
35380	19TH HOLE CORP	UNITED KINGDOM
36325	21st Century Fox America, Inc.	UNITED STATES
36971	350 S.R.O.	SLOVAKIA
1905	3M COMPANY	UNITED STATES
34746	51 NORTH LIMITED	UNITED KINGDOM
30021	57 AVIATION SERVICES LLC	UNITED STATES
6803	711 CODY INC	UNITED STATES
f12809	73MR LLC	UNITED STATES
27726	994748 ONTARIO INC	CANADA
f11440	A & C BUSINESS SERVICES INC	UNITED STATES
29496	A J WALTER AVIATION	UNITED KINGDOM
27976	ABCO Aviation Incorporated	UNITED STATES
32962	ABG AIR LTD	UNITED KINGDOM
39081	ABG RESOURCE PVT LTD	INDIA
20894	ABS JETS	UNITED STATES
35443	AC TRAVEL LLC	UNITED STATES
39446	ACANITT (CZA) HOLD.	SWITZERLAND
30786	ACFT SARL	LUXEMBOURG
f11778	ACG ACQUISITION 169 LLC	UNITED STATES

## UNITED KINGDOM

CRCO Identification no.	Operator Name	State of the Operator
35080	ACROPOLIS AVNT LTD	UNITED KINGDOM
31406	ADL LEASING	UNITED STATES
f13707	ADMINISTRADORA JBL C.A.	VENEZUELA, BOLIVARIAN REPUBLIC OF
27832	ADVENTAIR	UNITED STATES
24201	AEC INTERN. LTD	SWITZERLAND
f11874	AEG Air A.V.V.	ARUBA
27739	AEROMEDICAL EVAC	SAUDI ARABIA
36924	AERON CIVIL PANAMA	PANAMA
31549	AERONAVAL	UNITED STATES
36365	AERORUTAS SATA	ARGENTINA
29326	AEROSERVICIOS EJE	MEXICO
21273	AEROSMITH PENNY	UNITED STATES
36773	AFRICAN AIRLINES INV	SOUTH AFRICA
29508	AIR AMBULANCE SUPPRT	UNITED STATES
35354	AIR ASIA X	MALAYSIA
201	AIR CANADA	CANADA
34225	AIR CHARTER PROFSNL	UNITED STATES
551	AIR GROUP (VAN NUYS)	UNITED STATES
24148	AIR HARRODS LTD	UNITED KINGDOM
237	AIR INDIA	INDIA
241	AIR JAMAICA	JAMAICA
26351	AIR KILROE LTD T/A EASTERN AIRWAYS	UNITED KINGDOM
264	AIR NEW ZEALAND	NEW ZEALAND
31662	AIR NOVA INC	UNITED STATES
25802	AIR PARTNER PRIVATE JETS LTD	UNITED KINGDOM
33259	AIR PARTNERS CORP	CANADA
5633	AIR TRANSAT	CANADA

## UNITED KINGDOM

CRCO Identification no.	Operator Name	State of the Operator
38900	AIRCRAFT MNGT SVCS	UNITED KINGDOM
33754	AIRCRAFT AFRICA CO	SOUTH AFRICA
37072	AIRCRAFT HOLDINGS	UNITED KINGDOM
f11330	AIRCRAFT PROPERTIES LLC C/O GOODMAN PROPERTIES	UNITED STATES
38908	AIRCREW DIRECT	UNITED KINGDOM
35078	AIRLIFT INTL (GHANA)	GHANA
33856	AIRMID AVTN SVCS LTD	INDIA
10639	AIRSTAR GROUP	UNITED STATES
38429	AIRSTAR LEASING LTD	UNITED KINGDOM
39122	AIRTANKER	UNITED KINGDOM
33141	AIRTIME LLC	UNITED STATES
27574	AIRX LTD	UNITED KINGDOM
36074	AL FOZAN HOLDING CO.	SAUDI ARABIA
33143	AL RUSHAID AVIATION	UNITED STATES
31508	AL SALAM 319 LTD	CAYMAN ISLANDS
36145	AL SHOHRA PVT JET	JORDAN
21690	ALG TRANSP UK OFFICE	UNITED STATES
30184	ALII AVIATION	UNITED STATES
31951	ALLEGIANCE AIR	SOUTH AFRICA
38790	ALLFAST FASTENING	UNITED STATES
34807	ALMOJIL AVIATION	UNITED ARAB EMIRATES
33938	AMAC CORPORATE JET AG	SWITZERLAND
35757	AMBER AVTN (UK) LTD.	UNITED KINGDOM
364	AMBRION AVIATION	UNITED KINGDOM
36990	AMERIANA AVIATION	UNITED KINGDOM
369	AMERICAN AIRLINES	UNITED STATES

## UNITED KINGDOM

CRCO Identification no.	Operator Name	State of the Operator
372	AMERICAN EXPRESS	UNITED STATES
31782	AMERIPRISE FINANCIAL	UNITED STATES
31943	AMGEN	UNITED STATES
37598	AMS LTD	UNITED KINGDOM
31016	ANDAMAN AVIATION	UNITED ARAB EMIRATES
36383	ANDERSON AIR LTD.	CANADA
4944	ANHEUSER BUSCH	UNITED STATES
25743	ANSCHUTZ	UNITED STATES
35836	APEC ASSETS LIMITED	VIRGIN ISLANDS, BRITISH
28676	APRILIA HOLDINGS INC	CAYMAN ISLANDS
37233	ARABIAN JETS	SAUDI ARABIA
28325	ARAMARK	UNITED STATES
4999	ARAMCO SAUDI ARABIA	NETHERLANDS
27475	ARENA AVIATION LTD	UNITED KINGDOM
32054	ARIK AIR LTD	NIGERIA
31512	ARINC DIRECT	UNITED STATES
38283	ARIRANG IOM AVIATION	UNITED KINGDOM
34018	ARKIVA LTD.	IRELAND
36765	ARM INVESTMENT MNG	NIGERIA
33376	ARMAD	BERMUDA
35141	ASHOK LEYLAND LTD	INDIA
31554	ASIA UNIVERSAL JET	LATVIA
38121	ASP Aviation ltd	UNITED KINGDOM
35917	ASTROJET LTD	UNITED KINGDOM
35166	AT&T Management Services, L.P.	UNITED STATES
36976	ATALANTA AIR	UNITED STATES
31345	ATLANTIC AIRLINES LTD	UNITED KINGDOM

## UNITED KINGDOM

CRCO Identification no.	Operator Name	State of the Operator
27139	ATLANTIC AVTN 2	UNITED STATES
32213	ATLANTIC BRIDGE AV 2	UNITED KINGDOM
436	AURIGNY AIR	UNITED KINGDOM
37011	AV CONSULTANTS ASPEN	UNITED STATES
31787	AV8JET	UNITED KINGDOM
31623	AVALON CAPITAL GROUP	UNITED STATES
38338	AVANTHA HOLDING LTD	INDIA
32163	AVCARD UK	UNITED KINGDOM
38720	AVFUEL CORP	UNITED STATES
35868	AVIA FUNDS MNGMT	LITHUANIA
31940	AVIACOR — AIRCRAFT	RUSSIAN FEDERATION
30645	AVIAMAX	GERMANY
35661	AVIATION DYNAMIX LLC	UNITED STATES
36095	AVION LLC	UNITED STATES
27087	AVIONETA	UNITED STATES
36193	AVITRANS INC	UNITED STATES
26701	AVMAX AVIATION SVCS	CANADA
35910	AVMET INTERNATIONAL	UNITED STATES
29445	AVN AIR	UNITED STATES
27329	AVPLAN TRIP SUPPORT	UNITED STATES
37441	AVPRO INC (3)	UNITED STATES
33188	AVTN DEVLPMNT INTL	IRELAND
33680	AVTN EQPMENT LEASING	UNITED KINGDOM
33050	AVTRADE UK	UNITED KINGDOM
35255	AVX TAXI AEREO	BRAZIL
18980	AZERBAIJAN AIRLINES	AZERBAIJAN
38878	AZIKEL GROUP	NIGERIA

## UNITED KINGDOM

CRCO Identification no.	Operator Name	State of the Operator
40782	AbbVie US LLC.	UNITED STATES
8740	Abbott Laboratories	UNITED STATES
37390	Advanced Air Management	UNITED STATES
10342	Aero Air, LLC	UNITED STATES
37236	Agropecuaria Santana do Deserto Ltda.	BRAZIL
f10008	AirBill Inc.	UNITED STATES
33319	Aircraft Associates Inc	UNITED STATES
23373	Al Tameer Co. Ltd	SAUDI ARABIA
f10023	Alpha Technologies, Inc.	UNITED STATES
f12107	American Credit Acceptance	UNITED STATES
375	American International Group	UNITED STATES
f11014	American Resources	UNITED STATES
35644	Amys Kitchen	UNITED STATES
10014	Anadarko Petroleum Corporation	UNITED STATES
35895	Andromeda Ltd	BERMUDA
32958	Avenir Worldwide.	UNITED ARAB EMIRATES
31878	B&D AVIATION	UNITED STATES
36004	B2 MANAGMENT LTD.	BAHRAIN
12669	BA CITYFLYER LTD	UNITED KINGDOM
32705	BAA JET MANAGEMENT	CHINA
32767	BAC LEASING LTD	UNITED KINGDOM
481	BAE SYSTEMS (OPERATIONS) LTD	UNITED KINGDOM
478	BAE SYSTEMS OPS CAT	UNITED KINGDOM
7579	BAE Systems, Inc.	UNITED STATES
22433	BAHRAIN ROYAL FLIGHT	BAHRAIN
f11305	BANC OF AMERICA LEASING & CAPITAL LLC	UNITED STATES
498	BANGLADESH BIMAN	BANGLADESH

## UNITED KINGDOM

CRCO Identification no.	Operator Name	State of the Operator
f12870	BANK OF AMERICA NA C/O JET AVIATION BUSINESS JETS	UNITED STATES
6323	BANLINE AVIATION	UNITED KINGDOM
37657	BARBICAN HOLDINGS	UNITED KINGDOM
6989	BASS ENTERPRISES	UNITED STATES
36153	BAYHAM LIMITED	SAUDI ARABIA
37956	BBAM AVTN SVCS LTD	IRELAND
29975	BCC EQUIPMENT LEASE	UNITED STATES
34052	BDK AIR LIMITED	CANADA
21482	BECHTEL	UNITED STATES
6890	BECTON DICKINSON	UNITED STATES
27039	BEEHAWK AVIATION	UNITED STATES
32447	BEGAL AIR	UNITED KINGDOM
9170	BEL AIR	UNITED KINGDOM
34866	BELL GEOSPACE	UNITED KINGDOM
33770	BENSLOW BERMUDA LTD.	SWITZERLAND
36587	BENTLEY FORBES	UNITED STATES
37353	BERTA FINANCE LTD	BELIZE
31598	BETA LEASING	IRELAND
f12839	BEYOND VENTURES LLC	UNITED STATES
36482	BGST LLC	UNITED STATES
36410	BHARAT HOTELS LTD	INDIA
38422	BHOJA AIR	PAKISTAN
31303	BIG DOG AVTN	UNITED STATES
f11350	BISSELL LEASING CO LLC	UNITED STATES
f11785	BKF AVIATION LIMITED	UNITED STATES
3166	BLACK & DECKER	UNITED STATES

## UNITED KINGDOM

CRCO Identification no.	Operator Name	State of the Operator
31242	BLACK DIAMOND AVTN	UNITED STATES
f12964	BLATTI AVIATION INC	UNITED STATES
38822	BLUE ISLANDS LTD	UNITED KINGDOM
36940	BLUE SKY LEASING LTD	UNITED KINGDOM
37860	BLUEJETS LTD	UNITED KINGDOM
38941	BMI REGIONAL LTD	UNITED KINGDOM
f11795	BOMBARDIER AEROSPACE CORP	UNITED STATES
342	BOMBARDIER CORPORATE	CANADA
37506	BOMBARDIER-MARIBEL	UNITED STATES
30590	BOND OFFSHORE HELICOPTERS LTD	UNITED KINGDOM
29396	BOOTH CREEK MGMT	UNITED STATES
35778	BOREH INTERNATIONAL	UNITED ARAB EMIRATES
43658	BOSTON AIR LIMITED	CAYMAN ISLANDS
32750	BOULTBEE AVTN 3	UNITED KINGDOM
38220	BOW & ARROW AVIATION	UNITED STATES
f12965	BP CAPITAL LP	UNITED STATES
32952	BPG PROPERTIES	UNITED STATES
32635	BRAMPTONIA LTD	UNITED KINGDOM
32340	BRAVO AVIATION	UNITED KINGDOM
22234	BRECO INTL	UNITED KINGDOM
34320	BRIARWOOD PROD. LTD	UNITED KINGDOM
30940	BRIDGE AVIATION	UNITED KINGDOM
29373	BRIDGTOWN PLANT	UNITED KINGDOM
36768	BRILLIANT MEDIA	UNITED KINGDOM
33190	BRISTOL AIR LTD.	SAUDI ARABIA
590	BRITISH AIRWAYS PLC	UNITED KINGDOM
29940	BROOM P AVTN SVCS	UNITED STATES

## UNITED KINGDOM

CRCO Identification no.	Operator Name	State of the Operator
22676	BROOME WELLINGTON	UNITED KINGDOM
9701	BRUNSWICK	UNITED STATES
37278	BUA DELAWARE INC	UNITED STATES
31448	BUCKHEAD	UNITED STATES
f11800	BUSINESS AIRCRAFT LEASING INC	UNITED STATES
36409	BUSINESS JET CONSULT	UNITED STATES
36607	BUSINESS UNIVERSE	VIRGIN ISLANDS, BRITISH
f10174	BVG VIAJES SA DE CV	MEXICO
33472	BYECROSS IOM LTD	UNITED KINGDOM
36342	BZ AIR LTD	UNITED KINGDOM
29107	BZL Bermuda Limited	BERMUDA
35068	Beacon Capital Partners, LLC	UNITED STATES
8974	Berwind Corporation	UNITED STATES
32764	Bharat Forge Limited	INDIA
f13674	Blackhorse, LLC.	UNITED STATES
f10089	Bloomberg Services LLC	UNITED STATES
f10801	Blue Ridge Air, Inc.	UNITED STATES
38499	Bollinger Enterprises, LLC	UNITED STATES
10970	Bombardier Aerospace Corporation	UNITED STATES
37196	Bournemouth Handling Ltd	UNITED KINGDOM
629	Bristow Helicopters Ltd	UNITED KINGDOM
f200001	British Midland Regional Limited	UNITED KINGDOM
29157	Brokerage and Management Corp	UNITED STATES
36790	C2C AIR CHARTERS	UNITED STATES
37117	CA, Inc.	UNITED STATES
30369	CAESARS ENTERTAINMNT	UNITED STATES
33215	CALIFORNIA JET SHARE	UNITED STATES

## UNITED KINGDOM

CRCO Identification no.	Operator Name	State of the Operator
12499	CALSPAN	UNITED STATES
32717	CAMERON HENKIND	UNITED STATES
4018	CAMPBELL SOUP	UNITED STATES
29956	CAN PACIFIC RAILWAY	CANADA
22953	CAPE CLEAR CAPITAL	UNITED STATES
36417	CAPITAL AVIATION PTE	SINGAPORE
37579	CAPITAL MANAGEMENT	UNITED STATES
22724	CARDINAL HEALTH AVTN	UNITED STATES
4029	CARGILL	UNITED STATES
43019	CARGOLOGICAIR LTD	UNITED KINGDOM
39000	CASANOVA AIR 7X LTD	UNITED KINGDOM
32273	CASBAH	SWITZERLAND
34066	CASTLE 2003-2 IRELAND LTD	IRELAND
39170	CATERHAMJET MALAYSIA	MALAYSIA
6625	CATERPILLAR	UNITED STATES
5800	CATHAY PACIFIC	CHINA
24738	CATHTON HOLDINGS LTD	CANADA
38494	CAVOK AIR	UKRAINE
34153	CAYLEY AVIATION	BERMUDA
28483	CB APPLICATIONS	UNITED STATES
31570	CBAIR	UNITED STATES
29199	CBAS (PVT) LTD	INDIA
f10110	CBS Mass Media Corporation	UNITED STATES
f11409	CBX AVIATION LLC	UNITED STATES
f10927	CEF 2002 Aircraft LLC d/b/a Ceridian Corporation	UNITED STATES
31445	CELESTIAL AIRWAYS	UNITED KINGDOM
36333	CELLO AVIATION LTD	UNITED KINGDOM

## UNITED KINGDOM

CRCO Identification no.	Operator Name	State of the Operator
18137	CENTRELINE AV LTD	UNITED KINGDOM
f10114	CFG Service Corp, Inc.	UNITED STATES
39016	CHARTER AIR (IOM)LTD	UNITED KINGDOM
28796	CHARTWELL AVIATION	UNITED STATES
1808	CHC SCOTIA LTD	UNITED KINGDOM
37291	CHICAGO JET GROUP	UNITED STATES
39352	CHICK-FILL-A INC	UNITED STATES
35823	CHILDRESS KLEIN MGMT	UNITED STATES
38506	CHINA EASTERN EXEC	CHINA
31541	CHRISTIE AVTN	AUSTRALIA
29096	CHUBB	UNITED STATES
7526	CIGNA	UNITED STATES
37889	CIRRUS AVIATION (US)	UNITED STATES
31361	CIT AEROSPACE INT.	IRELAND
37077	CIT GROUP LOCATION	FRANCE
27210	CITIGROUP	UNITED STATES
31867	CLEARWATER AVIATION	UNITED KINGDOM
28482	CLEARWATER FINE FOOD	CANADA
31057	CLOUD AIR SERVICE	BERMUDA
f14468	CLOUD SKIPPER LTD.	UNITED STATES
33553	CLOUDSCAPE INC	UNITED STATES
32365	CNL GROUP SERVICES	UNITED STATES
37774	COBIAN MEDRANO JOSE	MEXICO
34041	COLDSTREAM SARL	LUXEMBOURG
9049	COLLEEN CORPORATION	UNITED STATES
27981	COLT INTL	CANADA
28719	COLT INTL HOUSTON	UNITED STATES

## UNITED KINGDOM

CRCO Identification no.	Operator Name	State of the Operator
30312	COMLUX AVTN	SWITZERLAND
2577	COMPUTAPLANE	UNITED KINGDOM
f11810	COMSTOCK ASSET MANAGEMENT LC	UNITED STATES
4742	CONDOR AVTN	UNITED KINGDOM
31320	CONSOLIDATED CHARTER	UNITED STATES
32850	CONSOLIDATED PRESS H	AUSTRALIA
39375	CONSTELLATION AVIATN	UNITED ARAB EMIRATES
35826	CONSTELLATION LEASING LLC	UNITED STATES
38166	COORDINATES OPS	UNITED STATES
33096	COPART INC	UNITED STATES
31929	COR AVIATION	UNITED STATES
33877	CORACLE AVIATION	SWITZERLAND
31680	CORP JET MGMT	VIRGIN ISLANDS, BRITISH
23765	CORPORATE FLIGHT MGT	UNITED STATES
34548	CORPORATE JET REALI.	UNITED KINGDOM
38982	CORVALLIS AERO SVC	UNITED STATES
36493	COSMOS AIR LLC	UNITED STATES
30051	COSTA AZZOURA	SAUDI ARABIA
26988	COSTCO WHOLESALE	UNITED STATES
25039	COUGAR HELICOPTERS	CANADA
29350	COUNTRYWIDE HOME	UNITED STATES
37273	COVE AVTN PARTNERS	UNITED STATES
39718	COZURO LTD	UNITED KINGDOM
9248	CRANE COMPANY	UNITED STATES
37073	CROMPTON GREAVES LTD	INDIA
31211	CSC TRANSPORTATION	UNITED STATES
33204	CTC AVTN JET SVCS	UNITED KINGDOM

## UNITED KINGDOM

CRCO Identification no.	Operator Name	State of the Operator
42742	CUANGO LTD	SWITZERLAND
f11401	CVS/Caremark Corporation	UNITED STATES
33885	CYBER SPACE	NIGERIA
f10103	Canadian Utilities Limited	CANADA
f13705	Carlyle Investment Management, LLC	UNITED STATES
f10817	Casafin II LLC	UNITED STATES
37741	Casam Int	EGYPT
f13919	Century Ocean Limited	VIRGIN ISLANDS, BRITISH
f10770	Charles Schwab	UNITED STATES
3769	Chevron U.S.A.Inc.	UNITED STATES
11816	Coca Cola Enterprise	UNITED STATES
f11882	Colson & Colson General Contractor	UNITED STATES
f11184	Columbus Networks USA Inc.	UNITED STATES
38182	Community Enterprises, LLC d/b/a 4274 Aviation	UNITED STATES
f10778	Computer Sciences Corporation	UNITED STATES
f10124	Conanicut Aviation	UNITED STATES
2138	ConocoPhillips Avtn	UNITED STATES
f13144	Consultatio S.A.	ARGENTINA
10627	Control Techniques Ltd	UNITED KINGDOM
35440	Crescent Heights, Inc.	UNITED STATES
30922	DAIDALOS AVIATION	UKRAINE
37414	DALLAH AL-BARAKA HOL	SAUDI ARABIA
36557	DANGOTE INDUSTRIES	NIGERIA
36006	DAR JANA GROUP	SAUDI ARABIA
29548	DARTASSAN	IRELAND
30278	DARWIN AIRLINE	SWITZERLAND
27123	DATEL DIRECT LTD	UNITED KINGDOM

## UNITED KINGDOM

CRCO Identification no.	Operator Name	State of the Operator
42758	DC AVIATION AL FUT	UNITED ARAB EMIRATES
36478	DEER JET(BEIJ.) CO.	CHINA
f11325	DELAWARE CHALLENGER OPERATIONS LLC	UNITED STATES
35844	DELEAUD GILBERT	UNITED STATES
38341	DESERT AIR 3 LTD	SWITZERLAND
32849	DESERT AIR CHTR INC	UNITED STATES
35715	DHL Air Ltd	UNITED KINGDOM
32847	DIAGO CONTINENTAL	UNITED ARAB EMIRATES
35507	DIAMOND AIR CHARTER	UNITED KINGDOM
38765	DIAMOND CAPITAL INV	UNITED STATES
34630	DIRECT AVIATION MNGT	UNITED KINGDOM
36177	DIRECTV GROUP	UNITED STATES
f12814	DJT OPERATIONS I LLC	UNITED STATES
34559	DOMINION AIR LTD	NIGERIA
944	DONINGTON AVIATION	UNITED KINGDOM
37038	DORSTONE HOLDINGS	BRAZIL
42839	DP WORLD FZE	SWITZERLAND
31583	DTC LLC	UNITED STATES
6064	DUBAI AIR WING	UNITED ARAB EMIRATES
11968	DUKE OF WESTMINSTER	UNITED KINGDOM
9784	DUNAVANT ENTERPRISES	UNITED STATES
28590	DUNVIEW	SWITZERLAND
30955	Dal Briar Corporation	UNITED STATES
f10140	Devon Realty Advisors, LLC	UNITED STATES
f10888	Diamond A Administration LLC	UNITED STATES
34844	Dominion Resources Services Inc.	UNITED STATES
27686	E*TRADE GROUP	UNITED STATES

## UNITED KINGDOM

CRCO Identification no.	Operator Name	State of the Operator
22252	EAGLE AIRCRAFT	UNITED STATES
39119	EAGLE AVIATION FZC	UNITED ARAB EMIRATES
37787	EAGLE AVTN INC	UNITED STATES
35754	EASSDA	UNITED KINGDOM
35500	EASTAR JET	KOREA, REPUBLIC OF
32095	EASTWAY AVIATION LLC	UNITED STATES
32462	EASY AVIATION	UNITED KINGDOM
23226	EASYJET AIRLINE COMPANY LTD	UNITED KINGDOM
38310	ECB AVIATION PTY LTD	SOUTH AFRICA
10068	EDREES MUSTAFA	SAUDI ARABIA
13008	EDS USA	UNITED STATES
29883	EFB AVIATION	UNITED STATES
f12872	EGRET MANAGEMENT LLC	UNITED STATES
996	EGYPTAIR	EGYPT
29824	EIE EAGLE	UNITED KINGDOM
29879	EL-SEIF ENGINEERING	SAUDI ARABIA
27085	ELAS PROFESSIONAL	NETHERLANDS
f12745	ELK MOUNTAIN VENTURES INC	UNITED STATES
29935	ELMET AVIATION	UNITED STATES
36502	EMBRAER AAF AIRCRAFT	SOUTH AFRICA
4025	EMBRAER SA	BRAZIL
9807	EMIRATES INTL	UNITED ARAB EMIRATES
35162	EMMANUEL GROUP	UNITED STATES
34060	EMPECOM CORPORATION	CYPRUS
40911	EMPEROR AVIATION	MALTA
33488	ENBRIDGE	CANADA
30014	ENERGEM AVIATION	SOUTH AFRICA

## UNITED KINGDOM

CRCO Identification no.	Operator Name	State of the Operator
23576	ENNA — ALGERIE	ALGERIA
27894	ENTREPRENEURIAL ASST	UNITED STATES
35529	EON AVIATION PVT LTD	SINGAPORE
31041	EPC HOLDINGS 644	UNITED STATES
29929	ETIHAD AIRWAYS	UNITED ARAB EMIRATES
36196	EU-FLIGHT-SERVICE	GERMANY
37275	EUROPEAN ACFT SALES	DENMARK
34927	EUROPEAN SKYBUS	UNITED KINGDOM
14846	EVA AIR	TAIWAN
29654	EWA WEST	UNITED STATES
32605	EXEC JET MANAGEMENT	UNITED KINGDOM
33714	EXECUJET (UK) LTD	UNITED KINGDOM
32264	EXECUJET ASIA	AUSTRALIA
29471	EXECUJET EUROPE	SWITZERLAND
36643	EXECUJET NEW ZEALAND	NEW ZEALAND
34017	EXECUTIVE AVTN LTD	UNITED KINGDOM
32109	EXECUTIVE CHARTR USA	UNITED STATES
37101	EXECUTIVE FLIGHT DIV	QATAR
31993	EXECUTIVE JET SVCS	NIGERIA
26147	EXECUTIVE JETS LTD	SAUDI ARABIA
1076	EXXONMOBIL AV SVCS	UNITED STATES
f10121	Eleventh Street Aviation, LLC	UNITED STATES
f10178	Enterprise Rent-A-Car, Enterprise Holdings	UNITED STATES
f12480	Essar Shipping & Logistics Ltd	UNITED KINGDOM
f13783	Essar Shipping Ltd	INDIA
26208	ExecuJet Middle East	UNITED ARAB EMIRATES
30494	Executive Jet Group Limited	UNITED KINGDOM

## UNITED KINGDOM

CRCO Identification no.	Operator Name	State of the Operator
23881	Executive Jet Management	UNITED STATES
22523	FAA	UNITED STATES
35375	FALCON 50 LLC	UNITED STATES
7382	FALCONAIR LTD	SOUTH AFRICA
33587	FANAR AVIATION LTD	BERMUDA
8430	FAYAIR (JERSEY)	UNITED KINGDOM
36124	FAYAIR LTD	UNITED STATES
34494	FCI AVIATION LLC	UNITED KINGDOM
35728	FCS Limited	UNITED KINGDOM
12811	FEGOTILA LTD	BERMUDA
37269	FENWAY AVIATION	BRAZIL
31156	FERNCROFT	UNITED KINGDOM
38525	FGA 9 LTD	UNITED KINGDOM
32784	FIGHTER COLLECTION	UNITED KINGDOM
32130	FIREBLADE AVIATION	SOUTH AFRICA
36876	FIRST FUTURE AIR SVC	INDIA
18781	FJ900	UNITED STATES
28957	FJL LEASING	UNITED STATES
9695	FJR PRIVATE FLIGHT	UNITED ARAB EMIRATES
f10202	FL Aviation Corporation	UNITED STATES
34064	FL510	SWITZERLAND
38413	FLIGHT ASSIST UK LTD	UNITED KINGDOM
19907	FLIGHT CONSULTANCY	UNITED KINGDOM
f10974	FLIGHTS Inc.	BERMUDA
34554	FLIGHTWORKS	UNITED KINGDOM
f12979	FLY BECKYS MANAGEMENT LLC	UNITED STATES
5453	FLYBE LTD	UNITED KINGDOM

## UNITED KINGDOM

CRCO Identification no.	Operator Name	State of the Operator
35214	FLYDUBAI	UNITED ARAB EMIRATES
38743	FLYGTACK LTD	UNITED KINGDOM
10992	FLYING LION	UNITED STATES
35925	FLYING M LLC	UNITED STATES
10276	FLYNN FINANCIAL	UNITED STATES
11369	FORD EUROPE LTD	UNITED KINGDOM
21529	FOREST AVIATION LTD	UNITED KINGDOM
7521	FORMULA ONE MNGMT	UNITED KINGDOM
34647	FOSTER AVIATION	UNITED KINGDOM
6573	FOUR STAR	UNITED STATES
22109	FRANKLIN TEMPLETON	UNITED STATES
f12717	FREEMAN AIR CHARTER SERVICES	UNITED STATES
22740	FREWTON LTD	UNITED KINGDOM
22293	FRONTLINER INC	UNITED STATES
37166	FS AVIATION LLP	UNITED KINGDOM
32164	FUTURA TRAVELS	INDIA
f12666	Falcon Fifty LLC	UNITED STATES
36874	Fambran Enterprises LLC	UNITED STATES
35797	Felham Enterprises Inc	UNITED STATES
f10932	Felham Enterprises Ltd	NEW ZEALAND
23081	Fertitta Enterprises	UNITED STATES
f10761	Firefly Entertainment Inc.	UNITED STATES
f10192	First Data Corporation	UNITED STATES
f12184	FirstEnergy Service Company	UNITED STATES
f10193	Five Star Aviation, LLC	UNITED STATES
37694	Fly Vectra Ltd	UNITED KINGDOM
f10210	Foreign Manufactures Finance Corp	UNITED STATES

## UNITED KINGDOM

CRCO Identification no.	Operator Name	State of the Operator
f10877	Fortune Brands, Inc.	UNITED STATES
f10836	Fox Paine and Company, LLC	UNITED STATES
21858	Frost Administrative Services, Inc.	UNITED STATES
f10215	Fry's Electronics, Inc.	UNITED STATES
34836	G200 LTD	BERMUDA
33864	G5 AVIATION	SOUTH AFRICA
25615	G5 EXECUTIVE	SWITZERLAND
34978	G550 LIMITED	VIRGIN ISLANDS, BRITISH
24116	GALLAGHER ENTERPRISE	UNITED STATES
34737	GALLERIA AVIATION	UNITED STATES
43161	GAMA AVIATION HK	CHINA
7618	GAMA AVIATION LTD	UNITED KINGDOM
38961	GAMBIA BIRD AIRLINE	GAMBIA
7573	GANTT AVIATION	UNITED STATES
38747	GARDEN AIR LLC	UNITED STATES
34865	GARUDA AVIATION	AUSTRALIA
32292	GE COMMERCIAL AV SVC	IRELAND
1278	GE CORPORATE AIR TRP	UNITED STATES
35922	GEN AVTN FLYING SVCS	UNITED STATES
1277	GENERAL DYNAMICS	UNITED STATES
f11377	GENERAL ELECTRIC CAPITAL CORP	UNITED STATES
32209	GENERAL TECHNICS	UNITED KINGDOM
36098	GEXAIR LTD.	UNITED KINGDOM
25841	GF AIR	UNITED STATES
36716	GHAITH AVIATION	SAUDI ARABIA
31328	GHANA INTL AIRLINES	GHANA
33100	GHK COMPANY LLC	UNITED STATES

## UNITED KINGDOM

CRCO Identification no.	Operator Name	State of the Operator
35880	GIANCARLO TRIMARCHI	VENEZUELA, BOLIVARIAN REPUBLIC OF
36916	GIGER, R	SWITZERLAND
f13141	GIII Aircraft Management, LLC	UNITED STATES
30058	GIV AIRWAYS LLC	UNITED KINGDOM
f11424	GKMG PARTNERS LLC	UNITED STATES
f11354	GLEN WEST 300 INC TRUSTEE	UNITED STATES
39093	GLOBAL AIRCRAFT LLC	UNITED STATES
36040	GLOBAL BUSINESS ASS.	MALAYSIA
36785	GLOBAL ELITE JETS	SAUDI ARABIA
33907	GLOBAL ESTATE & AVIATION LTD	UNITED STATES
38943	GLOBAL EXPRESS GROUP	UNITED STATES
35699	GLOBAL FLEET OIL GAS	UNITED KINGDOM
43646	GLOBAL JET IOM LTD	UNITED KINGDOM
33121	GLOBAL TRIP SUPPORT	UNITED STATES
32437	GO XLS LTD	UNITED KINGDOM
35355	GOLDEN FALCON 348	UNITED ARAB EMIRATES
36312	GOTTBETTER & PARTNER	UNITED STATES
22982	GOVERNMENT OF NIGER	NIGER
28048	GRAHAM CAPITAL	UNITED STATES
33773	GRAHAM CAPITAL MGMT	UNITED STATES
3259	GRAINGER	UNITED STATES
30778	GRANARD LTD	UNITED KINGDOM
36620	GRAND A AIRCRAFT LLC	UNITED STATES
38796	GRATEFIELD LTD	BERMUDA
31982	GREEN FLAG AVIATION	SUDAN
6179	GREENAAP CONSULTANTS	UNITED STATES

## UNITED KINGDOM

CRCO Identification no.	Operator Name	State of the Operator
35286	GREENTECH	UNITED STATES
f12804	GREY FALCON LLC	UNITED STATES
32596	GSC PARTNERS	UNITED STATES
30895	GSCP (NJ) INC	UNITED STATES
23240	GTC MANAGEMT BURBANK	UNITED STATES
30632	GUILD INVESTMENTS	UNITED STATES
1365	GULF AIR	BAHRAIN
32656	GULF GLOBAL SVCS LTD	UNITED KINGDOM
36387	GULF WINGS	UNITED ARAB EMIRATES
1356	GULFSTREAM SAVANNAH	UNITED STATES
f10914	Galt Aviation, LLC	UNITED STATES
33031	Gemini Ltd	UNITED STATES
f10219	General Avileasing, Inc.	UNITED STATES
f11240	Glenbrook III LLC	UNITED STATES
f10227	Global Pacific Aviation, Inc.	UNITED STATES
f12247	Good Think Limited Cayman Island	VIRGIN ISLANDS, BRITISH
39243	Google Inc.	UNITED STATES
38737	Green Bay Packaging Inc.	UNITED STATES
f10234	Guidara Nordeste Participacoes Ltda	BRAZIL
f10984	Guitar Center, Inc.	UNITED STATES
f10896	H. H. Aviation LLC	UNITED STATES
24874	HAC (Hangar Acquisition Corporation)	UNITED STATES
12127	HAMILTON COMPANIES	UNITED STATES
29388	HANGAR 8 LTD	UNITED KINGDOM
9954	HARRIS	UNITED STATES
21857	HARSCO	UNITED STATES
33302	HAVERFORD SUISSE	SWITZERLAND

## UNITED KINGDOM

CRCO Identification no.	Operator Name	State of the Operator
529	HAWKER BEEHCRAFT	UNITED STATES
38607	HAWKER BEEHCRAFT 2	UNITED STATES
33023	HAWKER WEST	CANADA
31777	HB-JEM	SWITZERLAND
32824	HBC AVIATION	UNITED KINGDOM
28603	HCC SERVICE CO	UNITED STATES
38724	HEAD START AVTN SYS	CYPRUS
8352	HEINZ COMPANY	UNITED STATES
8583	HELISWISS	SWITZERLAND
31253	HERITAGE JETS (FL)	UNITED STATES
1423	HERSHEY COMPANY	UNITED STATES
26380	HERTZ CORP	UNITED STATES
38709	HEVELCA SOCIETE	UNITED STATES
36953	HIGHLAND AWYS LTD	UNITED KINGDOM
24583	HILL AIR COMPANY I LLC	UNITED STATES
42259	HK BELLAWINGS JET	CHINA
5152	HM AIR LTD	SAUDI ARABIA
23203	HOLLY CORP	UNITED STATES
32171	HOLROB ACFT COMPANY	UNITED STATES
24776	HOME DEPOT	UNITED STATES
8849	HONEYWELL MORRISTOWN	UNITED STATES
35466	HORIZON AIR LLP	UNITED KINGDOM
41143	HORIZON AVIATION LTD	SWITZERLAND
6663	HORNBILL SKYWAYS	MALAYSIA
24604	HUNDRED PERCENT AVTN	UNITED KINGDOM
32412	Hamilton Aviation Inc.	UNITED STATES
5601	Hamlin Jet Ltd	UNITED KINGDOM

## UNITED KINGDOM

CRCO Identification no.	Operator Name	State of the Operator
29387	Harbert Aviation	UNITED STATES
35935	Harrinford Ltd	UNITED STATES
f11872	Heckmann Enterprises Inc.	UNITED STATES
f14309	Hemberg Trading Limited	VIRGIN ISLANDS, BRITISH
f10240	Hess Corporation	UNITED STATES
37266	Hewlett Packard Inc.	UNITED STATES
f12673	Hindalco Industries Limited	INDIA
f11137	Hubbard Broadcasting	UNITED STATES
f10254	Hunt Consolidated Inc.	UNITED STATES
17402	IBM	UNITED STATES
f11457	ICA GLOBAL SERVICES LLC	UNITED STATES
9962	ICELAND FROZEN FOODS	UNITED KINGDOM
35622	ICON TWO LTD	UNITED KINGDOM
f11412	IGT	UNITED STATES
36144	ILC AVIATION GMBH	AUSTRIA
f11456	IMAGINARY IMAGES INC	UNITED STATES
32114	INDO PACIFIC AVTN	INDIA
32394	INFINITY AVIATION	UNITED ARAB EMIRATES
35931	INFLITE AVTN (IOM)	UNITED KINGDOM
38619	INSPERITY INC	UNITED STATES
34771	INTERCONT. AIRWAYS	GAMBIA
39821	INTERCONTL EXCHANGE	UNITED STATES
37023	INTERNATIONAL FLIGHT	BELGIUM
31503	INTERNATIONAL JETCLUB LTD	UNITED KINGDOM
34321	INTL AVTN LEASING	UNITED KINGDOM
34440	INTL FLIGHT RES	UNITED STATES
33831	INTL TRIP PLANNING	UNITED STATES

## UNITED KINGDOM

CRCO Identification no.	Operator Name	State of the Operator
38539	IPEK INTERNATIONAL	BELIZE
38651	IRKUT CORPORATION	RUSSIAN FEDERATION
26959	ISCAR ISRAEL	ISRAEL
28061	ISLAND AVTN USA	UNITED STATES
31918	ISM AVIATION	UNITED KINGDOM
23317	ITT INDUSTRIES	UNITED STATES
27301	IVANHOE AVIATION 2	SINGAPORE
f11372	IVANHOE AVIATION HOLDINGS LLC	UNITED STATES
38462	IZY AIR	NIGERIA
28726	International Jet Management	UNITED STATES
36005	Irving Oil Transport Inc.	CANADA
32671	JANNAIRE LLP	UNITED KINGDOM
1559	JAPAN AIRLINES	JAPAN
35830	JAPC INC	UNITED STATES
27693	JATO AVTN	UNITED KINGDOM
493	JC BAMFORD EXCAVATORS LTD	UNITED KINGDOM
36350	JCPenney Co. Inc.	UNITED STATES
f10275	JELD-WEN, Inc.	UNITED STATES
21889	JEPPESEN DATAPLAN 2	UNITED STATES
37076	JERAND HOLDINGS	VIRGIN ISLANDS, BRITISH
24997	JET AIRWAYS INDIA	INDIA
28548	JET AVIATION H KONG	CHINA
36501	JET AVTN FLT SVCS	UNITED STATES
31555	JET CENTRE LTD	UNITED KINGDOM
31952	JET ICU AIR AMBULNCE	UNITED STATES
21727	JET LINK	ISRAEL
29290	JET MIDWEST	UNITED STATES

## UNITED KINGDOM

CRCO Identification no.	Operator Name	State of the Operator
33417	JET STREAM AVIATION	SAUDI ARABIA
7532	JET2.COM LTD	UNITED KINGDOM
24165	JETCLUB LTD	SWITZERLAND
36498	JETFLITE INTL LLC	UNITED STATES
38712	JETS AVTN SVCS	VIRGIN ISLANDS, BRITISH
36494	JETSELECT, LLC	UNITED STATES
30733	JETSTEFF AVIATION	UNITED KINGDOM
36274	JETSTREAM WORLDWIDE	CHINA
f11392	JHD AIRCRAFT SALES CO LLC	UNITED STATES
f10970	JHS Management, LLC.	UNITED STATES
23153	JINDAL STEEL	INDIA
32363	JLJ EQUIPMENT LEASIN	UNITED STATES
32069	JOHN MASON ACFT SVCS	UNITED KINGDOM
7628	JOHNSON FRANKLIN	UNITED STATES
6281	JOHNSON SC AND SON	UNITED STATES
26509	JOLUK AVTN	UNITED STATES
24536	JP MORGAN CHASE CY	UNITED STATES
37941	JRA Flight Solutions	UNITED STATES
f10265	Jackson National Life	UNITED STATES
f10555	Janah Management Company Ltd	UNITED KINGDOM
f10276	Jepson Associates Inc.	UNITED STATES
f10285	Justravl Aircraft Management, Inc.	UNITED STATES
f11096	KACALP	UNITED STATES
36270	KAUPTHING SINGER	UNITED KINGDOM
34670	KEEPFLYING LLP	UNITED KINGDOM
3735	KENYA AIRWAYS	KENYA
24347	KERZNER INTL.	UNITED STATES

## UNITED KINGDOM

CRCO Identification no.	Operator Name	State of the Operator
f12815	KH AVIATION LLC	UNITED STATES
32845	KILMER MANAGEMENT	CANADA
37723	KINCH AVIATION SVCS	UNITED KINGDOM
39891	KING POWER INTERNTL	THAILAND
33034	KINGS AIRLINES (2)	NIGERIA
21519	KINGS AVIATION	UNITED KINGDOM
32210	KLEIN TOOLS	UNITED STATES
26927	KNICKERBOCKER	UNITED STATES
f11415	KOURY AVIATION INC	UNITED STATES
f12222	KTR Capital Partners	UNITED STATES
33039	KUBASE AVIATION	INDIA
34192	KUDOS AVIATION LTD	UNITED KINGDOM
1673	KUWAIT AIRWAYS	KUWAIT
f10305	Kaitar Resources, LLP	UNITED STATES
f10286	Kansas City Life Insurance Company	UNITED STATES
35938	Knightsdene Limited	UNITED KINGDOM
4335	Kraft Foods Global Inc.	UNITED STATES
33756	LABRAID LIMITED	CROATIA
36286	LAC AVIATION	UNITED KINGDOM
f11022	LAKE CAPITAL LLC	UNITED STATES
31324	LAS VEGAS SANDS	UNITED STATES
1703	LEARJET	UNITED STATES
30542	LEDAIR CANADA	CANADA
34956	LEGACY AVIATION LIMITED	UNITED ARAB EMIRATES
f10880	LFG Aviation	AUSTRALIA
34322	LG ELECTRONICS INC.	KOREA, REPUBLIC OF
33298	LIBERTY MEDIA LLC	UNITED STATES

## UNITED KINGDOM

CRCO Identification no.	Operator Name	State of the Operator
12275	LIBERTY MUTUAL	UNITED STATES
1727	LIBYAN AIRLINES	LIBYA
31756	LIGHTAIR	UNITED STATES
37068	LINK AIR SVCS	UNITED KINGDOM
32145	LINK AVIATION	UNITED KINGDOM
1823	LOCKHEED MARTIN CORP	UNITED STATES
f12798	LOCKHEED SALES & RENTALS INC	UNITED STATES
1755	LOGANAIR LTD	UNITED KINGDOM
34736	LOID GLOBAL LTD	RUSSIAN FEDERATION
32192	LONDON CORPORATE JET	UNITED KINGDOM
23603	LONDON EXECUTIVE AVIATION LTD	UNITED KINGDOM
f12750	LONE WOLF AVIATION LLC	UNITED STATES
33068	LONG CHARTER AIR	UNITED STATES
27766	LOWE'S COMPANIES	UNITED STATES
35829	LOWES COMPANIES INC	UNITED STATES
40196	LP 221 LC	UNITED STATES
38109	LUFTHANSA TECH SOFIA	BULGARIA
37926	LUGHNASA MGMT LLC	UNITED STATES
35806	LUNAR JETS LTD	UNITED KINGDOM
4381	Leucadia Aviation, Inc.	UNITED STATES
36957	Level 3 Communications	UNITED STATES
f10298	Levi, Ray & Shoup, Inc.	UNITED STATES
f10299	Limerick Aviation, LLC	UNITED STATES
f12478	Longfellow Management Services LLC	UNITED STATES
29444	M C Group	UNITED STATES
33931	MACSTEEL JET SVCS	BERMUDA
38695	MADIS MANAGEMENT	VIRGIN ISLANDS, BRITISH

## UNITED KINGDOM

CRCO Identification no.	Operator Name	State of the Operator
32533	MAITON AIR LLP	UNITED KINGDOM
32569	MAJESTIC EXECUTIVE	UNITED ARAB EMIRATES
35087	MALAMATINAS	GREECE
36992	MANN AVIATION LLC	UNITED STATES
3901	MARATHON OIL	UNITED STATES
28276	MARBYIA EXEC. FLIGHT	SAUDI ARABIA
34154	MARCO POLO AVTN LTD.	CAYMAN ISLANDS
34616	MARQUEZ BROTHERS AV	UNITED STATES
35178	MARRIOTT INTL	UNITED STATES
1828	MARSHALL AEROSPACE	UNITED KINGDOM
22811	MASCO	UNITED STATES
33151	MASS Holding	NETHERLANDS
38632	MATHIS BROTHERS	UNITED STATES
30499	MATHYS HUGO	SWITZERLAND
31670	MATTHEWS JOHN	UNITED KINGDOM
37112	MAX AIR (NIGERIA)	NIGERIA
32516	MAZAMA FINANCE	UNITED STATES
28682	MBI AVIATION	UNITED STATES
31708	MCAIR SERVICES	UNITED KINGDOM
34826	MCAP EUROPE LTD	IRELAND
4260	MCCAIN FOODS	CANADA
26848	MCDONALD'S CORP	UNITED STATES
39007	MCNEELY CHARTER SVC	UNITED STATES
f11393	MDL CONSULTING ASSOCIATES LLC	UNITED STATES
28439	MEDIA CONSULTING SERVICES	UNITED STATES
12177	MELLON BANK	UNITED STATES
35776	MERIDIAN (GHANA)	GHANA

## UNITED KINGDOM

CRCO Identification no.	Operator Name	State of the Operator
31538	MERLIN AVIATION	SWITZERLAND
31076	METRO JET USA	UNITED STATES
11068	MGM Resorts Aviation Corp	UNITED STATES
27573	MID ROC LEASING	SAUDI ARABIA
36881	MID SOUTH AVIATION	UNITED STATES
37895	MID SOUTH JETS INC	UNITED STATES
26475	MIDAMERICAN ENERGY	UNITED STATES
30837	MIDROC AVIATION	SAUDI ARABIA
9082	MIDWEST AVIATION NE	UNITED STATES
30093	MIG RUSSIAN AIRCRAFT	RUSSIAN FEDERATION
2294	MIL UK RAF	UNITED KINGDOM
12626	MILLION AIR CHARTER	UNITED STATES
37426	MINERALOGY PTY LTD.	UNITED STATES
32550	MINNESOTA CHOICE AVIATION IV LLC	UNITED STATES
33855	MOBYHOLD LIMITED	UNITED KINGDOM
38024	MODERN ROAD MAKERS	INDIA
f11427	MOELIS & COMPANY MANAGER LLC	UNITED STATES
36267	MONACO SPORTS MNGMT	UNITED KINGDOM
1922	MONARCH AIRLINES LTD	UNITED KINGDOM
31348	MORGAN STANLEY MGMT	UNITED STATES
32228	MORGAN'S MACHINE	UNITED STATES
2996	MOTOROLA AUSTIN TX	UNITED STATES
4341	MOTOROLA MOBILITY	UNITED STATES
32202	MOUNTAIN AVTN LTD	UNITED KINGDOM
32777	MP AVIATION LLP	UNITED KINGDOM
f10319	MP Air, Inc.	UNITED STATES
8099	MSF AVIATION	CAYMAN ISLANDS

## UNITED KINGDOM

CRCO Identification no.	Operator Name	State of the Operator
36762	MURRAY AIR	UNITED KINGDOM
34926	MURRAY AIR LTD	MALTA
31584	MVOC	UNITED STATES
27187	MW AVIATION GMBH	GERMANY
36987	MWM AG	SWITZERLAND
32579	MYSKY LLP	UNITED KINGDOM
1801	Malaysia Airlines Berhad	MALAYSIA
f10980	Maltese Falcon, LLC	UNITED STATES
37311	Marcus Evans Avians Ltd	UNITED KINGDOM
f13119	Mariner Air LLC	UNITED STATES
f10312	McCormick and Company Inc.	UNITED STATES
27893	Merck & Co., Inc.	UNITED STATES
36336	MetroJet (MPAMCL)	CHINA
36335	MetroJet Limited US	CHINA
f10315	Mexico Transportes Aereos S.A de C.V.	MEXICO
3508	Monsanto	UNITED STATES
34936	Moore Capital Management, LP dba GX Aviation	UNITED STATES
f12471	Mr Adam Zachary Cherry	UNITED STATES
43215	Myco 61 Limited	SWITZERLAND
f11326	N14FX TRUST C/O WILMINGTON TRUST CO	UNITED STATES
31771	N526EE	UNITED STATES
31781	N846QM	UNITED STATES
31780	N941AM	UNITED STATES
28895	NAC AVIATION	UNITED KINGDOM
23230	NASA	UNITED STATES
f10324	NASCAR, Inc.	UNITED STATES
36849	NATIONAL AIR CARGO GROUP INC	UNITED STATES

## UNITED KINGDOM

CRCO Identification no.	Operator Name	State of the Operator
35849	NATIONAL AVTN COMP.	INDIA
6764	NATIONAL JETS	UNITED STATES
9900	NATIONWIDE MUTUAL	UNITED STATES
7853	NATURAL ENVIRONMENT	UNITED KINGDOM
20472	NCC SERVICES	UNITED STATES
38835	NEBULA III LTD UAE	UNITED ARAB EMIRATES
38874	NEPTUNE AVTN SVCS	UNITED STATES
31095	NETJETS AVIATION INC	UNITED STATES
38267	NEW PRIME INC	UNITED STATES
34560	NOBLE FOODS LIMITED	UNITED KINGDOM
33203	NOCLAF LIMITED	UNITED KINGDOM
33473	NOK AIR	THAILAND
f11329	NORLEASE INC	UNITED STATES
33099	NORTH AMER JET LLC	UNITED STATES
39364	NORTH CARIBOO FLYING	CANADA
f14731	NORTHEASTERN AVIATION	UNITED STATES
31004	NOVA CORPORATE SVCS	UNITED KINGDOM
39066	NOVOAIR LTD	BANGLADESH
f12708	NOW PRESENCE LLC	UNITED STATES
31489	NS Aviation	UNITED KINGDOM
f13501	NS Falcon	BERMUDA
f10327	National Gypsum Company	UNITED STATES
36522	New Orion Air Group	UNITED STATES
38627	NextEra Energy Inc.	UNITED STATES
f12496	Noble Services Switzerland, LLC	UNITED STATES
f10338	Nordstrom, Inc.	UNITED STATES
f12013	Norfolk Southern Corp.	UNITED STATES

## UNITED KINGDOM

CRCO Identification no.	Operator Name	State of the Operator
f10917	OAKLR Aviation Services LLC	UNITED STATES
21845	OAKMONT	UNITED STATES
31679	OASIS SERVICES	UNITED STATES
33502	OCEAN SKY (TURKEY)	TURKEY
22820	OMAN AIR	OMAN
22436	OMAN ROYAL FLIGHT	OMAN
28683	OMNICARE MANAGEMENT	UNITED STATES
22888	ON TIME AVTN	UNITED STATES
37779	ONCAM AVIATION LTD	UNITED KINGDOM
17692	ONUR AIR	TURKEY
f11444	OPA LLC	UNITED STATES
25897	OPEN ROAD AIRWAYS	UNITED STATES
37336	ORANTO PETROLEUM	NIGERIA
30217	ORION AIR PTE	SINGAPORE
39002	ORION ENTERPRISES	CAYMAN ISLANDS
37383	OSPREY AIR LEASE LLC	UNITED STATES
f10603	OTO Development, LLC	UNITED STATES
f14391	Oaktree Capital Management	UNITED STATES
f10342	Olayan Financing Company	SAUDI ARABIA
f10509	Operadora de Vuelos Ejecutivas, S.A. de C.V.	MEXICO
f10348	Orient Wonder Internationl Ltd	BERMUDA
f12461	Osmotica Leasing LLC	UNITED STATES
f11486	Owner of the aircraft with registration mark: N254GA	UNITED STATES
f11513	Owner of the aircraft with registration mark: N928GC	UNITED STATES
f11538	Owner of the aircraft with registration mark: VPCJM	CAYMAN ISLANDS
32487	P.M. AIR	CANADA
2088	PAKISTAN INTERNATIONAL AIRLINES	PAKISTAN

## UNITED KINGDOM

CRCO Identification no.	Operator Name	State of the Operator
28158	PALACE INTL	UNITED KINGDOM
f10642	PAM Management Serv. LLC	UNITED STATES
35530	PAMIR AIRWAYS	AFGHANISTAN
948	PAN MARITIME LTD	UNITED KINGDOM
33154	PARAGON GLOBAL FLT S	UNITED KINGDOM
36085	PARK HOUSE AVTN LTD	BERMUDA
32132	PARKRIDGE AVIATION	UNITED KINGDOM
38394	PASCAN EXPRESS INC	CANADA
36875	PATRONUS AVIATION	VIRGIN ISLANDS, BRITISH
31009	PATTISON AIRWAYS	CANADA
39143	PAULICOPTER CIA	BRAZIL
36792	PB AIR LLC	UNITED STATES
34044	PD AIR OPERATION LTD	GERMANY
f12723	PEAK ENTERPRISES LLC	UNITED STATES
34075	PEAKVIEW LLC	UNITED STATES
30697	PEARSONS ASSETS GRP	SINGAPORE
33882	PEGASUS ELITE AVTN	UNITED STATES
22294	PENSKE JET, INC.	UNITED STATES
37153	PERFECT 10 ANTENNA	UNITED STATES
f12694	PERINI CORP	UNITED STATES
36038	PEROLUX SARL	LUXEMBOURG
37762	PETTERSON DON	UNITED STATES
22283	PHELPS DODGE CORP	UNITED STATES
37430	PHILADELPHIA JET SVC	UNITED STATES
32057	PINNACLE OPERATIONS	UNITED STATES
21824	PLANES AND PARTS	CANADA
22309	POLET	RUSSIAN FEDERATION

## UNITED KINGDOM

CRCO Identification no.	Operator Name	State of the Operator
32061	POLYGON AIR	UNITED STATES
30970	POOL AVIATION NW LTD	UNITED KINGDOM
33115	POTASH CORP (2)	CANADA
f10729	PPD Development, LLC	UNITED STATES
30220	PPL AVIATION LLC	UNITED STATES
31920	PRESTBURY TWO	UNITED KINGDOM
38271	PRESTIGE INTL HOLDIN	UNITED ARAB EMIRATES
33762	PRESTIGE JET RENTAL	UNITED ARAB EMIRATES
35276	PRESTIGE JP LTD	UNITED KINGDOM
38147	PRIME AIR SVCS LTD	NIGERIA
37897	PRIME JET (CO)	UNITED STATES
36789	PRIME LEGACY MGMT	UNITED STATES
37638	PRIMEVALUE TRADING	CANADA
31222	PRIVATE AIRCRAFT INT	ISRAEL
36797	PRIVATE JET GROUP	LEBANON
35665	PRIVILEGE AIRWAYS	INDIA
3751	PROCTER&GAMBLE	UNITED STATES
f12698	PROFESSIONAL JET III LLC	UNITED STATES
40852	PT PEGASUS AIR CHART	INDONESIA
33780	PTB (EMERALD) PTY	UNITED KINGDOM
32329	PUNJ LLOYD	INDIA
39222	PUNJ LLOYD PTE LTD	INDIA
35176	Pacific Jet Aviation, LLC	UNITED STATES
36857	Pacific Stream	UNITED KINGDOM
f10820	Palm Beach Aviation, Inc.	UNITED STATES
f10351	Paramount Pictures Corporation	UNITED STATES
f11009	Park Rise Investments Ltd	VIRGIN ISLANDS, BRITISH

## UNITED KINGDOM

CRCO Identification no.	Operator Name	State of the Operator
f10356	Peabody Energy	UNITED STATES
f10609	Pegasus South, LLC	UNITED STATES
f10595	Pfizer Inc.	UNITED STATES
38050	Pilante Limited	VIRGIN ISLANDS, BRITISH
f10918	Pilgrim Air	UNITED STATES
f11181	Pilot Corporation	UNITED STATES
f10979	Pinjet Aviation, LLC	UNITED STATES
f11276	Powdr Aviation, Inc	UNITED STATES
f13500	Prime Aviation	SINGAPORE
35365	Pro Flite LLC d/b/a Zen Air LLC	UNITED STATES
f10369	Professional Jet Management, Inc.	UNITED STATES
2196	QANTAS AIRWAYS	AUSTRALIA
21912	QATAR AIRWAYS	QATAR
42859	QATAR AMIRI FLIGHT 2	QATAR
33331	QUADRA AVIATION LP	UNITED KINGDOM
31585	QUALCOMM	UNITED STATES
35924	QWEST COMMUNICATIONS	UNITED STATES
39476	Qatar Executive	QATAR
f12590	R. Lacy Services, LTD.	UNITED STATES
29692	RABBIT RUN	UNITED STATES
37367	RADCOOL INVESTMENTS	SOUTH AFRICA
32174	RAVELLO ENTERPRISES	UNITED STATES
26191	RAVENHEAT MANUFACTRG	UNITED KINGDOM
30485	RC AVIATION LLP	UNITED STATES
29739	RDV PROPERTIES (ARC)	UNITED STATES
f12825	RED HAWK AVIATION LLC	UNITED STATES
29515	RED LINE AIR LLC	UNITED STATES

## UNITED KINGDOM

CRCO Identification no.	Operator Name	State of the Operator
38333	REDWOOD AVTN CO.	UNITED STATES
31859	RELATIONAL INVESTORS	UNITED STATES
9674	REMO INVESTMENTS	UNITED KINGDOM
37662	REYNOLDS JET MGMT	UNITED STATES
33614	RICHARD HAYWARD	UNITED KINGDOM
35143	RICHMOND AMERICAN	UNITED STATES
7403	RICHMOR AVIATION	UNITED STATES
29947	RIVERSIDE AVIATION LLC	UNITED STATES
35940	RIZON JET UK LTD	UNITED KINGDOM
5547	RJR WINSTON SALEM	UNITED STATES
30422	RL WINGS LLC	UNITED STATES
31650	ROBINSON AVTN	UNITED STATES
38421	ROCK-TENN COMPANY	UNITED STATES
8271	ROCKWELL COLLINS	UNITED STATES
36351	ROCKWELL COLLINS LLC	UNITED STATES
21667	ROSS INVESTMENTS	UNITED STATES
28988	ROYAL BANK SCOTLAND	UNITED KINGDOM
2296	ROYAL BRUNEI	BRUNEI DARUSSALAM
29599	ROYAL JET	UNITED ARAB EMIRATES
2297	ROYAL JORDANIAN AIRLINES	JORDAN
30527	RP AVIATION	UNITED STATES
34828	RUNWAY ASSET MNGT	SOUTH AFRICA
36105	Rampart Aviation	UNITED STATES
f10376	Raytheon Company	UNITED STATES
f10378	Red White & Blue Pictures, Inc.	UNITED STATES
f10975	Regions Financial Corporation	UNITED STATES
f13924	Richie Sky Limited	VIRGIN ISLANDS, BRITISH

## UNITED KINGDOM

CRCO Identification no.	Operator Name	State of the Operator
36945	Russian Copper Company Holdings Ltd	RUSSIAN FEDERATION
22568	S ANGOLA	ANGOLA
22649	S BOTSWANA	BOTSWANA
22593	S BRUNEI SULTAN	BRUNEI DARUSSALAM
27535	S PRESIDENT SUDAN	SUDAN
29242	S TANZANIA	TANZANIA, UNITED REPUBLIC OF
37012	SA EXPRESS AIRWAYS	SOUTH AFRICA
30329	SAGA AIRLINES	TURKEY
29648	SAGITTA LLC	UNITED STATES
38892	SAM FLIER SERVICES	UNITED STATES
38645	SANTOS DUMONT LTD	IRELAND
34319	SAPOFINA AVTN LTD.	VIRGIN ISLANDS, BRITISH
32608	SAVANNAH AVIATION	UNITED STATES
12627	SCANDI AIRLEASING	SWEDEN
f10894	SCB Falcon, LLC	UNITED STATES
3236	SCOTTISH & NEWCASTLE	UNITED KINGDOM
f11482	SCP Aviation LLC	UNITED STATES
22305	SEAFLIGHT AVTN	BERMUDA
36492	SEAGRAVE AVIATION	UNITED STATES
33214	SEENO CONSTRUCTION	UNITED STATES
f11025	SELA HOLDING COMPANY LTD	SAUDI ARABIA
26695	SELECT PLANT HIRE	UNITED KINGDOM
36444	SETON DAVID	KENYA
37439	SEVCS AEREOS ILSA	MEXICO
36843	SG FINANS AS	NORWAY
f11250	SGSF Capital Venture LLC	UNITED STATES
22418	SHAMROCK AVTN NJ	UNITED STATES

## UNITED KINGDOM

CRCO Identification no.	Operator Name	State of the Operator
38490	SHANGHAI DEER JET	CHINA
22814	SHARJAH RULERS FLT	UNITED ARAB EMIRATES
33126	SHAW COMMUNICATIONS	CANADA
35777	SHAW WALLACE	INDIA
32093	SHEARWATER AIR	UNITED STATES
27163	SHERIDAN AVTN	UNITED STATES
29727	SHUKRA	UNITED KINGDOM
f11453	SIAREX SOCIETY INC	UNITED STATES
38910	SIBITI 1 INC	BELIZE
28022	SIEBEL SYSTEMS UK	UNITED KINGDOM
36604	SIERRA AVIATION LP	UNITED STATES
32002	SIERRA STELLAR	UNITED STATES
33581	SIGNAL AVIATION LTD	UNITED KINGDOM
2463	SINGAPORE AIRLINES	SINGAPORE
39068	SITM JET LTD	UNITED KINGDOM
7867	SIXT	GERMANY
36037	SK TELECOMM	KOREA, REPUBLIC OF
35145	SKA INTERNATIONAL	UNITED ARAB EMIRATES
37703	SKIVA AIR	ARMENIA
34918	SKY AERONAUTICAL	IRELAND
29880	SKY AVIATION	SAUDI ARABIA
31208	SKY BEYOND HOLDINGS	SINGAPORE
38711	SKY UNLIMITED WEZUP	NETHERLANDS
37740	SKYBIRD AIR LTD	NIGERIA
30241	SKYBLUE AVIATION	UNITED KINGDOM
34695	SKYBUS INC	UNITED STATES

## UNITED KINGDOM

CRCO Identification no.	Operator Name	State of the Operator
35065	SKYBUS LLC	UNITED STATES
24926	SKYDRIFT LTD	UNITED KINGDOM
32526	SKYEXPRESS JSC	RUSSIAN FEDERATION
38190	SKYJET AVIATION SVCS	NIGERIA
39057	SKYLINE ENTERPRISES	UNITED STATES
39132	SKYPLAN FZC	UNITED ARAB EMIRATES
23638	SKYSERVICE BUSINESS	CANADA
32337	SKYSTEAD	UNITED ARAB EMIRATES
33788	SKYTRAVEL LLC	UNITED STATES
31074	SKYWAY RUSSIA	RUSSIAN FEDERATION
38350	SKYWAYAERO INC.	UNITED STATES
32553	SKYWORKS CAPITAL	UNITED STATES
30794	SLEEPWELL AVTN	UNITED KINGDOM
38895	SOBHA PURAVANKARA	INDIA
6404	SONY AVIATION	UNITED STATES
36182	SOPHAR PROPERTY	VIRGIN ISLANDS, BRITISH
36653	SOUTH AFR. BREWERIES	SOUTH AFRICA
2316	SOUTH AFRICAN AIRWAYS	SOUTH AFRICA
38491	SOUTHERN AVTN SVCS	UNITED STATES
17330	SOUTHERN CROSS AV FL	UNITED STATES
32897	SPC AVIATION LTD	UNITED KINGDOM
34137	SPECIAL OPS LTD.	SAUDI ARABIA
42165	SPECIALIZED AVIATION	SAUDI ARABIA
25246	SPECSAVERS AVTN	UNITED KINGDOM
31762	SPORTSMENS AVTN GRP	UNITED STATES
28904	SPX FLOW	UNITED STATES
5216	SRILANKAN AIRLINES	SRI LANKA

## UNITED KINGDOM

CRCO Identification no.	Operator Name	State of the Operator
28152	ST AVIATION	UNITED STATES
24644	ST MERRYN AIR	UNITED KINGDOM
30500	STANDARD & POORS	UNITED STATES
38586	STAR AERO HOLDINGS	UNITED STATES
32446	STAR AVIATION SRVCS	UNITED ARAB EMIRATES
36639	STARS AWAY AVIATION	SOUTH AFRICA
32993	STC BERMUDA LTD.	EGYPT
33469	STEPHEN R. LLOYD	UNITED KINGDOM
30889	STIRLING AVTN	UNITED KINGDOM
17378	STOCKHOLM AIRCRAFT	NETHERLANDS
27889	STULLER SETTINGS	UNITED STATES
24529	SUBPRICE	UNITED KINGDOM
9182	SUCKLING AIRWAYS (CAMBRIDGE) LTD T/A SCOTAIRWAYS	UNITED KINGDOM
20474	SUMMIT AVTN USA 2	UNITED STATES
32807	SUN TV NETWORK	INDIA
29813	SUNCOR ENERGY	CANADA
f11402	SUNTRUST EQUIPMENT FINANCE & LEASING CORP	UNITED STATES
31354	SUNWING AIRLINES	CANADA
8963	SUREWINGS	UNITED KINGDOM
28720	SUZUKI DEL CARIBE	PUERTO RICO
34329	SVCS AEREOS DENIM	MEXICO
5683	SWAGELOK	UNITED STATES
38217	SWEDEWINGS AB	SWEDEN
28494	SWISS	SWITZERLAND
9768	SWISS PRIVATE AVTN	SWITZERLAND
38361	SYBERJET AIRCRAFT	UNITED STATES
31527	SYMPHONY MILLENIUM	SINGAPORE

## UNITED KINGDOM

CRCO Identification no.	Operator Name	State of the Operator
2642	SYRIAN ARAB AIRLINES	SYRIAN ARAB REPUBLIC
f1467	Sails In Concert, Inc.	UNITED STATES
20467	Samaritan's Purse	UNITED STATES
f12147	SanRidge Operating Company	UNITED STATES
3991	Sioux Company Ltd	SWITZERLAND
f11112	Sky Aviation LTD.	GIBRALTAR
34281	Sky Aviation Services	UNITED ARAB EMIRATES
30904	Skyflight	UNITED STATES
f10405	Snapper Consulting Inc.	BRAZIL
30582	Space Exploration	UNITED STATES
f12459	Spitfire USA Limited	UNITED STATES
36081	Starbucks Corporation	UNITED STATES
f10410	Starwood Asset Management, LLC	UNITED STATES
f14474	Super Boost Limited	VIRGIN ISLANDS, BRITISH
26684	TAG AVIATION UK LTD	UNITED KINGDOM
f14327	TAG Aviation Middle East W.W.L.	BAHRAIN
33802	TAIL WIND LTD.	SINGAPORE
36754	TAK AVIATION	UNITED STATES
33497	TAK SERVICES LTD AVV	JORDAN
f12709	TAMPA BAY AIRLINES LLC C/O BLUMBERGEXCELSIOR CORP	UNITED STATES
27291	TARRANT ADVISORS	UNITED STATES
31697	TAS CORP	UNITED STATES
4189	TAUBMAN	UNITED STATES
32242	TAYLOR ENERGY COMPANY LLC	UNITED STATES
36827	TCC AIR SERVICES INC	UNITED STATES
38545	TEAM AERO	UNITED STATES

## UNITED KINGDOM

CRCO Identification no.	Operator Name	State of the Operator
36108	TEAM VIPER	UNITED KINGDOM
f10217	TEGNA, Inc.	UNITED STATES
37359	TEKLOC	UNITED STATES
29164	TELUS COMMUNICATIONS	CANADA
37446	TEMPEST CAPITAL	UNITED KINGDOM
39539	Tempus JETS INC	UNITED STATES
39160	TENACIOUS ADVENTURES	UNITED STATES
39127	TESCO STORES LTD	UNITED KINGDOM
28114	TEXAS AVTN SALES&LSN	UNITED STATES
42391	TEXTRON AVIATION	UNITED STATES
15677	TEXTRON INC	UNITED STATES
37352	THOMAS & BETTS	UNITED STATES
27034	THOMAS COOK AIRLINES LTD	UNITED KINGDOM
35441	THOMAS ENTERPRISES	UNITED STATES
f10971	THOMAS William H.	UNITED STATES
30131	THOMSON AIRWAYS LTD	UNITED KINGDOM
32727	THREE OF A KIND XL	UNITED STATES
35153	THUN AB	SWEDEN
27799	TIDEWATER	UNITED STATES
4744	TITAN AIRWAYS LTD	UNITED KINGDOM
36184	TNT EXPRESS (UK)	UNITED KINGDOM
f12990	TOKECO INCORPORATED	UNITED STATES
36462	TOP ACES INC	CANADA
32110	TOP AIRCRAFT	UNITED STATES
9705	TOWER HOUSE CONSULTS	UNITED KINGDOM
33891	TOWN & COUNTRY FOOD	UNITED STATES

## UNITED KINGDOM

CRCO Identification no.	Operator Name	State of the Operator
38996	TP AERO	UNITED STATES
32029	TPG AVIATION	SOUTH AFRICA
5759	TRANS CAN PIPELINES	CANADA
30585	TRANS EURO AIR	UNITED KINGDOM
34674	TRANSCONT. WINGS	VIRGIN ISLANDS, BRITISH
26670	TRANSMERIDIAN AVTN	UNITED STATES
37267	TRANSWORLD AV TRADE	UNITED KINGDOM
31673	TRAVELERS INDEMNITY CO	UNITED STATES
33923	TREK-AIR B.V.	NETHERLANDS
29593	TRIDENT JET JERSEY	UNITED KINGDOM
28999	TRIDENT LEASING	IRELAND
37551	TRIDENT PETROLEUM	EGYPT
36495	TRIMEL INVESTMENT	UNITED STATES
33853	TRINITY AVIATION LTD	UNITED KINGDOM
36471	TRIPLE S AVIATION LLC	UNITED STATES
13174	TRUSTAIR LTD	UNITED KINGDOM
26165	TRYGON LTD	UNITED KINGDOM
32832	TUCK AVIATION	UNITED STATES
21887	TUDOR INVESTMENTS	UNITED STATES
24731	TURKMENISTAN	TURKMENISTAN
7971	TW AIR	BERMUDA
28983	TWINWOOD TRANSPORT.	CAYMAN ISLANDS
f12492	Target corporation	UNITED STATES
f11003	Tendencia Asset Management	CAYMAN ISLANDS
f10439	Tesoro Aviation Company	UNITED STATES
38565	Tetran Assets Ltd	UNITED KINGDOM
25363	The Boeing Company	UNITED STATES

## UNITED KINGDOM

CRCO Identification no.	Operator Name	State of the Operator
f12612	The Private Jet Company	UNITED KINGDOM
f10831	The Richard E. Jacobs Group, LLC	UNITED STATES
f12238	The Whitewind Company US	UNITED STATES
f11873	Tillford Limited	BERMUDA
f12235	Top Delight Worldwide Ltd	VIRGIN ISLANDS, BRITISH
f12186	Tor Air AB	SWEDEN
f10446	Tour Air, Inc.	UNITED STATES
f12231	Translatin S.A.	UNITED STATES
38580	Triple A Aviation SA	LUXEMBOURG
f10452	Truman Arnold Companies	UNITED STATES
f10990	Ty-Tex Exploration Inc.	UNITED STATES
f12479	Tyremax Pty Ltd	AUSTRALIA
22512	UGANDA EXEC FLIGHT	UGANDA
32889	UNIQUE AIR (UK)	UNITED KINGDOM
35763	UNITED AIRWAYS (BD)	BANGLADESH
4090	UNITED COMPANY THE	UNITED STATES
21505	UNITED CONSTRUCTION	TURKEY
34059	UNITED WEST AIRLINES	UNITED STATES
33177	UNIV AVN MIDDLE EAST	UNITED ARAB EMIRATES
f10462	US Bank NA Trustee	UNITED STATES
34260	US MARSHALS SERVICE	UNITED STATES
34914	USA JET AIRLINES 3	UNITED STATES
35834	UTFLIGHT	UNITED STATES
18224	UZBEKISTAN AIRWAYS	UZBEKISTAN
f10460	Unisys Corporation	UNITED STATES
2782	United Airlines, Inc.	UNITED STATES
2795	Universal Weather and Aviation, Inc.	UNITED STATES

## UNITED KINGDOM

CRCO Identification no.	Operator Name	State of the Operator
34977	V1 FLT SUP. INTL	UNITED STATES
37678	VALEANT PHARMACEUT	UNITED STATES
8962	VALERO SERVICES, INC	UNITED STATES
33003	VEDANTA ALUMINA LTD	INDIA
38968	VERHILL CORPORATE	VIRGIN ISLANDS, BRITISH
7861	VERIZON CORPORATE SERVICES GROUP	UNITED STATES
35720	VICIS CAPITAL L.L.C	UNITED STATES
34107	VIPER AVIATION LLC	UNITED STATES
37019	VIPJET LIMITED	IRELAND
8142	VIRGIN ATLANTIC AIRWAYS LTD	UNITED KINGDOM
39392	VLf CREW SERVICES	UNITED STATES
30418	VMD AVIATION	UNITED STATES
30637	Vale S/A	BRAZIL
f10591	Vulcan Materials Company	UNITED STATES
31377	WA DEVELOPMENTS	UNITED KINGDOM
35911	WALLAN AVIATION 2	SAUDI ARABIA
38924	WAR ENTERPRISES	UNITED STATES
30900	WARNER ROAD AVTN	UNITED STATES
35511	WARWICKSHIRE BLUE	UNITED KINGDOM
f10470	WASTE MANAGEMENT, INC	UNITED STATES
36041	WATSCO HOLDINGS INC	UNITED STATES
35535	WELLS FARGO BANK (2)	UNITED STATES
2885	WESTAIR FLYING	UNITED KINGDOM
36283	WESTERN AIR CHTR KX	UNITED STATES
34328	WESTFIELD LLC	UNITED STATES
2890	WESTLAND	UNITED KINGDOM
25990	WESTSHORE AVTN MGMT	UNITED STATES

## UNITED KINGDOM

CRCO Identification no.	Operator Name	State of the Operator
34873	WESTSTAR AVTN SVCS	MALAYSIA
22445	WHITE CLOUD	UNITED STATES
38210	WHITE MOUNTAIN AVTN	UNITED STATES
28542	WHITE ROSE AVTN	UNITED STATES
32120	WILDERNESS POINT ASS	UNITED STATES
3021	WILLIAMS COMPANIES	UNITED STATES
1162	WILLIAMS GRAND PRIX	UNITED KINGDOM
f11390	WILLIS LEASE FINANCE CORP	UNITED STATES
36185	WILMINGTON TRUST(EI)	IRELAND
37767	WIN AVIATION LTD.	UNITED KINGDOM
36815	WING AVTN CHTR SVC	UNITED STATES
25648	WING AVTN USA	UNITED STATES
34008	WINGED BULL AVIATION	UNITED KINGDOM
29596	WINNEPEG C/O REYES	UNITED STATES
32802	WIV AIR-2 LLC	UNITED STATES
31438	WOOD J M	UNITED KINGDOM
30474	WORLD IS YOURS	UNITED KINGDOM
42401	WORLDWIDE ACFT (BDA)	BERMUDA
22444	WORTHINGTON INDUSTRY	UNITED STATES
32152	WYNDHAM WORLDWIDE	UNITED STATES
f12485	Waco Air Supply	UNITED STATES
25432	Wal-Mart Stores	UNITED STATES
f10471	Wayne A Reaud	UNITED STATES
25465	WestJet	CANADA
2634	Western Air Charter Inc	UNITED KINGDOM
8721	Westfield Aviation Inc	AUSTRALIA
f10629	Weyerhaeuser Company	UNITED STATES

## UNITED KINGDOM

CRCO Identification no.	Operator Name	State of the Operator
f10479	Wichita Air Services, Inc.	UNITED STATES
f10482	Windsor Media Inc.	UNITED STATES
f11514	Windway Capital Corp	UNITED STATES
f14415	Wingtip Corporation	UNITED STATES
f10483	World Harvest Church Flight Operations	UNITED STATES
f12248	World Noble Limited Cayman Island	VIRGIN ISLANDS, BRITISH
f11532	Worldwide Aircraft Holding Company	BERMUDA
f10881	Worldwide Business Jets Corp	UNITED STATES
24421	XAMEX INVESTMENTS	UNITED STATES
33042	XCLUSIVEJET CHARTER	UNITED KINGDOM
32609	XIAMEN AVIATION AVV	RUSSIAN FEDERATION
f10485	Xerox Corporation	UNITED STATES
38359	YAAS	UNITED STATES
34976	YH AVIATION LTD	UNITED KINGDOM
37033	YUM RESTAURANT SVCS	UNITED STATES
40036	YYA MANAGEMENT LTD	UNITED KINGDOM
37677	ZC Aviation	UNITED STATES
34953	ZENITH CAPITAL LTD	SWITZERLAND
f11027	ZENITH INSURANCE COMPANY	UNITED STATES
38977	ZWEITE XR-GMBH	GERMANY
f10983	Zachry Industrial Inc.	UNITED STATES
f10488	Ziff Brothers Investment, LLC	UNITED STATES
f10490	Zimmer Inc.	UNITED STATES
f11242	Zoe Air	SOUTH AFRICA'

**COMMISSION IMPLEMENTING REGULATION (EU) 2017/295**  
**of 20 February 2017**  
**on exceptional market support measures for the poultry meat sector in France**

THE EUROPEAN COMMISSION,

Having regard to the Treaty on the Functioning of the European Union,

Having regard to Regulation (EU) No 1308/2013 of the European Parliament and of the Council of 17 December 2013 establishing a common organisation of the markets in agricultural products and repealing Council Regulations (EEC) No 922/72, (EEC) No 234/79, (EC) No 1037/2001 and (EC) No 1234/2007 <sup>(1)</sup>, and in particular Article 220(1)(a) thereof,

Whereas:

- (1) Between 24 November 2015 and 5 August 2016, numerous outbreaks of highly pathogenic avian influenza of subtype H5 were confirmed and notified by France. In total, 81 outbreaks were confirmed in the South-West of France. The species affected are ducks, geese, laying hens, turkeys, breeding fowls of the species *Gallus domesticus*, cockerels and chickens, Guinea fowls and quails.
- (2) France immediately and efficiently took all the necessary animal health and veterinary measures required in accordance with Council Directive 2005/94/EC <sup>(2)</sup>.
- (3) In particular, French authorities took control, monitoring and preventive measures and established protection, surveillance and further restricted zones pursuant to Commission Implementing Decisions (EU) 2015/2239 <sup>(3)</sup>, (EU) 2015/2460 <sup>(4)</sup>, (EU) 2016/42 <sup>(5)</sup>, (EU) 2016/237 <sup>(6)</sup> and (EU) 2016/447 <sup>(7)</sup>. In order to control and prevent the spread of the disease, French authorities imposed the following measures:
  - (a) a prohibition of placing in ducks and geese holdings located in the further restricted zone and in the protection and surveillance zones established following the last four outbreaks of highly pathogenic avian influenza which occurred on 15 July, 18 July, 25 July and 5 August 2016. The prohibition of placing in ducks and geese holdings in the further restricted zone aimed in particular to ensure a 16-week period of depopulation;
  - (b) a prohibition of movements on large proportions of the susceptible poultry population and of trade of live poultry outside the further restricted zone;
  - (c) prolonged fallowing periods in susceptible poultry holdings other than ducks and geese located in the protection zones, surveillance zones and in the further restricted zone including the protection and surveillance zones established following the last four outbreaks of highly pathogenic avian influenza which occurred on 15 July, 18 July, 25 July and 5 August 2016.
- (4) In applying those measures, the French authorities managed to eradicate the threat. The Union and national animal health and veterinary measures were applied until 15 September 2016 in all relevant holdings except for

<sup>(1)</sup> OJ L 347, 20.12.2013, p. 671.

<sup>(2)</sup> Council Directive 2005/94/EC of 20 December 2005 on Community measures for the control of avian influenza and repealing Directive 92/40/EEC (OJ L 10, 14.1.2006, p. 16).

<sup>(3)</sup> Commission Implementing Decision (EU) 2015/2239 of 2 December 2015 concerning certain protective measures in relation to highly pathogenic avian influenza of subtypes H5N1 and H5N2 in France (OJ L 317, 3.12.2015, p. 37).

<sup>(4)</sup> Commission Implementing Decision (EU) 2015/2460 of 23 December 2015 concerning certain protective measures in relation to highly pathogenic avian influenza of subtype H5 in France (OJ L 339, 24.12.2015, p. 52).

<sup>(5)</sup> Commission Implementing Decision (EU) 2016/42 of 15 January 2016 amending the Annex to Implementing Decision (EU) 2015/2460 concerning certain protective measures in relation to highly pathogenic avian influenza of subtype H5 in France (OJ L 11, 16.1.2016, p. 10).

<sup>(6)</sup> Commission Implementing Decision (EU) 2016/237 of 17 February 2016 amending the Annex to Implementing Decision (EU) 2015/2460 concerning certain protective measures in relation to highly pathogenic avian influenza of subtype H5 in France (OJ L 44, 19.2.2016, p. 12).

<sup>(7)</sup> Commission Implementing Decision (EU) 2016/447 of 22 March 2016 amending Implementing Decision (EU) 2015/2460 concerning certain protective measures in relation to highly pathogenic avian influenza of subtype H5 in France (OJ L 78, 24.3.2016, p. 76).

the poultry holdings located in the protection and surveillance zones established following the last four outbreaks of highly pathogenic avian influenza which occurred on 15 July, 18 July, 25 July and 5 August 2016, in which measures applied respectively until 25 August, 25 September and 3 October 2016.

- (5) French authorities informed the Commission that the necessary health and veterinary measures, which had been applied to contain and eradicate the spread of the disease, had affected a very large number of operators and that those operators suffered income losses not eligible for Union financial contribution under Regulation (EU) No 652/2014 of the European Parliament and of the Council <sup>(1)</sup>.
- (6) On 20 April, 20 September and 24 October 2016, the Commission received formal requests from French authorities for part-financing of certain exceptional measures pursuant to Article 220(3) of Regulation (EU) No 1308/2013.
- (7) As a result of the animal health and veterinary measures applied, placing of birds in all holdings with ducks and geese located in the further restricted zone and in the protection and surveillance zones established following the last four outbreaks of highly pathogenic avian influenza which occurred on 15 July, 18 July, 25 July and 5 August 2016 was forbidden. This led to a loss of production of poultry meat in these ducks and geese holdings. It is therefore appropriate to compensate these losses.
- (8) As a result of animal health and veterinary measures, laying hens at the end of their production cycle and breeding fowls of the species *Gallus domesticus* could not be transported outside of the further restricted zone to be slaughtered for meat production in specialized slaughterhouses. This led to the killing and destruction in slaughterhouses or on farms of animals and a loss of production for laying hens and breeding fowls of the species *Gallus domesticus* producers located in the further restricted zone. It is therefore appropriate to compensate these losses.
- (9) As a result of animal health and veterinary measures, fallowing periods were prolonged in holdings of standard, organic, Label Rouge or free range chickens, cockerels, Label Rouge and free range Guinea fowls, turkeys and quails located in the protection zones, surveillance zones and in the further restricted zone including the protection and surveillance zones established following the last four outbreaks of highly pathogenic avian influenza which occurred on 15 July, 18 July, 25 July and 5 August 2016. This led to a loss of production of poultry meat in these holdings. It is therefore appropriate to compensate these losses.
- (10) As a result of animal health and veterinary measures, live chickens, laying hens, Guinea fowls and turkeys could not be sold outside the further restricted zone. This led to a loss of production for producers of live chickens, laying hens, Guinea fowls and turkeys located in the further restricted zone. It is therefore appropriate to compensate these losses.
- (11) In accordance with Article 220(5) of Regulation (EU) No 1308/2013, the Union part-financing has to be equivalent to 50 % of the expenditure borne by France for the exceptional market support measures. The maximum quantities eligible for financing in respect of each exceptional market support measure should be fixed by the Commission after scrutinising the request received from France.
- (12) To avoid any risk of over compensation, the flat rate amount of part-financing should be based on technical and economic studies or accounting documents and fixed at an appropriate level for each animal and product according to the categories of animals produced in terms of species but also in terms of the production method, i.e. standard production, free range production, certified production under national scheme, certified production under the Label Rouge scheme, production covered by a Protected Geographical Indication (PGI), and, finally, in terms of the length of the production cycle, i.e. long cycle for geese and duck producers who only produce live animals, short cycle for geese and duck producers who produce live animals and transform them into processed products.
- (13) To avoid any risk of double funding, losses suffered should not have been compensated by state aids or insurances and the Union part-financing under this Regulation should be limited to eligible animals and products for which no Union financial contribution has been received under Regulation (EU) No 652/2014.

<sup>(1)</sup> Regulation (EU) No 652/2014 of the European Parliament and of the Council of 15 May 2014 laying down provisions for the management of expenditure relating to the food chain, animal health and animal welfare, and relating to plant health and plant reproductive material, amending Council Directives 98/56/EC, 2000/29/EC and 2008/90/EC, Regulations (EC) No 178/2002, (EC) No 882/2004 and (EC) No 396/2005 of the European Parliament and of the Council, Directive 2009/128/EC of the European Parliament and of the Council and Regulation (EC) No 1107/2009 of the European Parliament and of the Council and repealing Council Decisions 66/399/EEC, 76/894/EEC and 2009/470/EC (OJ L 189, 27.6.2014, p. 1).

- (14) The extent and duration of the exceptional market support measures provided for in this Regulation should be limited to what is strictly necessary to support the market; in particular, the exceptional market support measures should apply only to the production of poultry meat in the holdings located in the regulated zones and for the duration of the animal health and veterinary measures laid down in the Union and French legislation relevant to the 81 outbreaks of highly pathogenic avian influenza.
- (15) For the sake of a sound budgetary management of these exceptional market support measures, only those payments made by France to the beneficiaries by 30 September 2017 at the latest, should be eligible for Union part-financing. Article 5(2) of Commission Delegated Regulation (EU) No 907/2014 <sup>(1)</sup> should not be applicable.
- (16) In order to ensure the eligibility and the correctness of the payments, French authorities should carry out *ex-ante* checks.
- (17) To allow the Union to perform its financial control, French authorities should communicate to the Commission the clearance of the payments.
- (18) In order to ensure an immediate implementation of these measures by France, this Regulation should enter into force on the day following that of its publication in the *Official Journal of the European Union*.
- (19) The measures provided for in this Regulation are in accordance with the opinion of the Committee for the Common Organisation of the Agricultural Markets,

HAS ADOPTED THIS REGULATION:

#### Article 1

The Union shall provide part-financing equivalent to 50 % of the expenditure borne by France to support the market of poultry meat seriously affected by the 81 outbreaks of highly pathogenic avian influenza of subtype H5 which were detected and notified by France between 24 November 2015 and 5 August 2016.

Expenditure shall be eligible for Union part-financing only for the duration of the application of animal health and veterinary measures referred to in Union and French legislation listed in the Annex.

Expenditure shall be eligible for Union part-financing only for those poultry holdings being subject to the animal health and veterinary measures and located within the parts of France referred to in Union and French legislation listed in the Annex.

Expenditure shall only be eligible for Union part-financing if it has been paid by France to the beneficiaries by 30 September 2017 at the latest. Article 5(2) of Delegated Regulation (EU) No 907/2014 shall not apply.

#### Article 2

The maximum levels of Union part-financing shall be as follows:

- (a) For the loss of production of geese and ducks located in the further restricted zone and in the protection and surveillance zones established following the last four outbreaks of highly pathogenic avian influenza which occurred on 15 July, 18 July, 25 July and 5 August 2016, the following flat rates shall apply per animal up to a maximum amount of EUR 40 000 002:
  - (i) For producers with a short cycle of production of:
    - Mulard ducks starter covered by CN code 0105 99 10:  
EUR 0,24 per animal for a maximum of 724 512 animals;

<sup>(1)</sup> Commission Delegated Regulation (EU) No 907/2014 of 11 March 2014 supplementing Regulation (EU) No 1306/2013 of the European Parliament and of the Council with regard to paying agencies and other bodies, financial management, clearance of accounts, securities and use of euro (OJ L 255, 28.8.2014, p. 18).

- Mulard ducks fattened covered by CN code 0105 99 10:  
EUR 1,13 per animal for a maximum of 606 172 animals;
  - Mulard ducks finished covered by CN code 0105 99 10:  
EUR 4,41 per animal for a maximum of 690 431 animals;
  - Mulard ducks covered by CN code 0105 99 10 whole carcasses:  
EUR 2,20 per animal for a maximum of 664 261 animals;
  - Mulard ducks covered by CN code 0105 99 10 cut in pieces:  
EUR 4,275 per animal for a maximum of 578 814 animals;
  - Mulard ducks covered by CN code 0105 99 10 processed:  
EUR 19,055 per animal for a maximum of 321 019 animals;
  - Starter geese covered by CN code 0105 99 20:  
EUR 2,455 per animal for a maximum of 15 769 animals;
  - Geese covered by CN code 0105 99 20 whole carcasses:  
EUR 10,595 per animal for a maximum of 14 560 animals;
  - Geese covered by CN code 0105 99 20 processed:  
EUR 23,33 per animal for a maximum of 11 024 animals;
  - Ducks covered by CN code 0105 99 10 for roasting:  
EUR 1,37 per animal for a maximum of 25 831 animals;
  - Geese covered by CN code 0105 99 20 for roasting:  
EUR 2,855 per animal for a maximum of 7 156 animals;
- (ii) For producers with a long cycle of production of:
- Mulard ducks starter three days old covered by CN code 0105 99 10:  
EUR 0,0487 per animal for a maximum of 668 427 animals;
  - Mulard ducks starter standard, PGI and Label Rouge covered by CN code 0105 99 10:  
EUR 0,24 per animal for a maximum of 10 115 677 animals;
  - Mulard ducks fattened standard covered by CN code 0105 99 10:  
EUR 0,515 per animal for a maximum of 646 195 animals;
  - Mulard ducks fattened PGI covered CN code 0105 99 10:  
EUR 0,68 per animal for a maximum of 8 737 557 animals;
  - Mulard ducks fattened Label Rouge covered by CN code 0105 99 10:  
EUR 0,81 per animal for a maximum of 808 848 animals;

- Mulard ducks finished standard covered by CN code 0105 99 10:  
EUR 1,48 per animal for a maximum of 900 255 animals;
  - Mulard ducks finished PGI covered by CN code 0105 99 10:  
EUR 1,645 per animal for a maximum of 7 818 392 animals;
  - Mulard ducks finished Label Rouge covered by CN code 0105 99 10:  
EUR 2,63 per animal for a maximum of 559 637 animals;
  - Muscovy ducks standard covered by CN code 0105 99 10:  
EUR 0,48 per animal for a maximum of 71 331 animals;
  - Muscovy ducks certified covered by CN code 0105 99 10:  
EUR 0,585 per animal for a maximum of 7 579 animals;
  - Muscovy ducks Label Rouge covered by CN code: 0105 99 10:  
EUR 0,625 per animal for a maximum of 28 344 animals;
  - Mallard ducks covered by CN code 0105 99 10:  
EUR 1,1325 per animal for a maximum of 7 392 animals;
  - Geese fattened covered by CN code 0105 99 20:  
EUR 2,855 per animal for a maximum of 50 179 animals;
  - Geese finished covered by CN code 0105 99 20:  
EUR 5,54 per animal for a maximum of 49 500 animals;
- (b) For the loss of production, killing and destruction in slaughterhouses or on farms of laying hens at the end of their production cycle and of breeding fowls of the species *Gallus domesticus* located in the further restricted zone, the following flat rates shall apply per animal up to a maximum amount of EUR 519 155:
- Laying hens at the end of their production cycle and breeding fowls of the species *Gallus domesticus* covered by CN code 0105 94 00 transported, killed in slaughterhouses and destroyed:  
EUR 0,2645 per animal for a maximum 1 902 064 animals;
  - Breeding fowls of the species *Gallus domesticus* killed on the farm and destroyed covered by CN code 0105 94 00:  
EUR 1,055 per animal for a maximum 15 222 animals;
- (c) For the prolongation of following periods, in the protection zones, surveillance zones and in the further restricted zone, including the protection and surveillance zones established following the last four outbreaks of highly pathogenic avian influenza which occurred on 15 July, 18 July, 25 July and 5 August 2016, of standard, organic, Label Rouge or free range chickens, cockerels, Label Rouge and free range Guinea fowls, turkeys and quails, the following flat rates shall apply per animal and per day up to a maximum amount of EUR 1 430 908:
- Standard chickens and cockerels covered by CN code 0105 94 00:  
EUR 0,00191 per animal and per day for a maximum of 31 247 850 animals and a maximum of EUR 626 466;

- Label Rouge or free range chickens covered by CN code 0105 94 00:  
EUR 0,00416563 per animal and per day for a maximum 14 105 345 animals and a maximum EUR 616 878;
  - Organic chickens covered by CN code 0105 94 00:  
EUR 0,005050685 per animal and per day for a maximum 700 201 animals and a maximum EUR 37 039;
  - Guinea Fowls Label Rouge and free range covered by CN code 0105 99 50:  
EUR 0,00365332 per animal and per day for a maximum 1 405 735 animals and a maximum EUR 53 856;
  - Turkeys covered by CN code 0105 99 30:  
EUR 0,005195 per animal and per day for a maximum of 1 533 617 animals and a maximum EUR 83 371;
  - Quails covered by CN code 0106 39 80:  
EUR 0,000605 per animal and per day for a maximum of 2 102 602 animals and a maximum EUR 13 298;
- (d) For the loss of production of live starter chickens, live starter Guinea fowls, live starter turkeys for the French national market, live starter turkeys for the Union market, live starter laying hens, live adult chickens and live adult Guinea fowls, the following flat rates shall apply per animal up to a maximum amount of EUR 545 152:
- Live starter chicken covered by CN code 0105 94 00:  
EUR 0,591 per animal for a maximum of 183 439 animals;
  - Live starter Guinea fowls covered by CN code 0105 99 50:  
EUR 0,4955 per animal for a maximum of 126 996 animals;
  - Live starter turkeys for the French national market covered by CN code 0105 99 30:  
EUR 0,681 per animal for a maximum of 21 166 animals;
  - Live starter turkeys for the Union market covered by CN code 0105 99 30:  
EUR 0,633 per animal for a maximum of 423 320 animals;
  - Live starter laying hens covered by CN code 0105 94 00:  
EUR 0,43 per animal for a maximum of 56 443 animals;
  - Live adult chickens covered by CN code 0105 94 00:  
EUR 0,47 per animal for a maximum of 98 775 animals;
  - Live adult Guinea fowls covered by CN code 0105 99 50:  
EUR 0,49 per animal for a maximum of 42 332 animals,

*Article 3*

The Union part-financing in accordance with this Regulation shall be limited to animals and products not compensated by state aids or insurances and for which no Union financial contribution has been received under Regulation (EU) No 652/2014.

*Article 4*

France shall carry out administrative and physical checks in accordance with Articles 58 and 59 of Regulation (EU) No 1306/2013 of the European Parliament and of the Council <sup>(1)</sup>.

In particular, the French authorities shall verify:

- (a) the eligibility of the applicant submitting the request for support;
- (b) for each eligible applicant: the eligibility, the quantity and the value of the actual loss of production;
- (c) that funding has not been received by any eligible applicant from any other sources to compensate the losses referred to in Article 2.

For eligible applicants for which administrative checks are completed, aid can be paid without waiting for all checks being made notably those on applicants selected for on-the-spot checks.

In cases where the eligibility of an applicant was not confirmed, the aid shall be recovered and sanctions applied.

*Article 5*

The French authorities shall communicate to the Commission the clearance of payments.

*Article 6*

This Regulation shall enter into force on the day following that of its publication in the *Official Journal of the European Union*.

This Regulation shall be binding in its entirety and directly applicable in all Member States.

Done at Brussels, 20 February 2017.

*For the Commission*  
*The President*  
Jean-Claude JUNCKER

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<sup>(1)</sup> Regulation (EU) No 1306/2013 of the European Parliament and of the Council of 17 December 2013 on the financing, management and monitoring of the common agricultural policy and repealing Council Regulations (EEC) No 352/78, (EC) No 165/94, (EC) No 2799/98, (EC) No 814/2000, (EC) No 1290/2005 and (EC) No 485/2008 (OJ L 347, 20.12.2013, p. 549).

## ANNEX

**Parts of France and periods referred to in Article 1**

Parts of France and periods established pursuant to Directive 2005/94/EC and defined in:

- Commission Implementing Decision (EU) 2015/2239 of 2 December 2015 concerning certain protective measures in relation to highly pathogenic avian influenza of subtypes H5N1 and H5N2 in France (OJ L 317, 3.12.2015, p. 37).
- Commission Implementing Decision (EU) 2015/2460 of 23 December 2015 concerning certain protective measures in relation to highly pathogenic avian influenza of subtype H5 in France (OJ L 339, 24.12.2015, p. 52).
- Commission Implementing Decision (EU) 2016/42 of 15 January 2016 amending the Annex to Implementing Decision (EU) 2015/2460 concerning certain protective measures in relation to highly pathogenic avian influenza of subtype H5 in France (OJ L 11, 16.1.2016, p. 10).
- Commission Implementing Decision (EU) 2016/237 of 17 February 2016 amending the Annex to Implementing Decision (EU) 2015/2460 concerning certain protective measures in relation to highly pathogenic avian influenza of subtype H5 in France (OJ L 44, 19.2.2016, p. 12).
- Commission Implementing Decision (EU) 2016/447 of 22 March 2016 amending Implementing Decision (EU) 2015/2460 concerning certain protective measures in relation to highly pathogenic avian influenza of subtype H5 in France (OJ L 78, 24.3.2016, p. 76).
- Order of 2 December 2015 establishing a low-risk restricted zone following the declaration of highly pathogenic avian influenza and restricting certain movements outside the national territory from the department of Dordogne (Official Journal of the French Republic of 3.12.2016, text 38 of 178).
- Order of 17 December 2015 establishing additional arrangements to combat highly pathogenic avian influenza following the detection of the disease on French territory (Official Journal of the French Republic of 18.12.2016, text 56 of 142).
- Order of 15 January 2016 amending the Order of 17 December 2015 establishing additional arrangements to combat highly pathogenic avian influenza following the detection of the disease on French territory (Official Journal of the French Republic of 16.1.2016, text 31 of 85).
- Order of 9 February 2016 establishing additional arrangements to combat highly pathogenic avian influenza following the detection of the disease on French territory (Official Journal of the French Republic of 10.2.2016, text 42 of 129).
- Order of 14 September 2016 establishing transitional arrangements to combat highly pathogenic avian influenza (Official Journal of the French Republic of 15.9.2016, text 33 of 100).
- Prefectural Orders declaring an infection consisting of outbreaks of highly pathogenic avian influenza confirmed between 24 November 2015 and 18 April 2016.
- Prefectural Orders withdrawing a declaration of infection consisting of outbreaks of highly pathogenic avian influenza confirmed between 24 November 2015 and 18 April 2016.

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- Prefectural Orders declaring an infection consisting of outbreaks of highly pathogenic avian influenza confirmed on 15 July, 18 July, 25 July and 5 August 2016.
  - Prefectural Orders withdrawing a declaration of infection consisting of outbreaks of highly pathogenic avian influenza confirmed on 15 July, 18 July, 25 July and 5 August 2016.
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**COMMISSION IMPLEMENTING REGULATION (EU) 2017/296****of 20 February 2017****amending for the 260th time Council Regulation (EC) No 881/2002 imposing certain specific restrictive measures directed against certain persons and entities associated with the ISIL (Da'esh) and Al-Qaeda organisations**

THE EUROPEAN COMMISSION,

Having regard to the Treaty on the Functioning of the European Union,

Having regard to Council Regulation (EC) No 881/2002 of 27 May 2002 imposing certain specific restrictive measures directed against certain persons and entities associated with the ISIL (Da'esh) and Al-Qaeda organisations <sup>(1)</sup>, and in particular Article 7(1)(a) and Article 7a(5) thereof,

Whereas:

- (1) Annex I to Regulation (EC) No 881/2002 lists the persons, groups and entities covered by the freezing of funds and economic resources under that Regulation.
- (2) On 15 February 2017, the Sanctions Committee of the United Nations Security Council decided to amend four entries in its list of persons, groups and entities to whom the freezing of funds and economic resources should apply. Annex I to Regulation (EC) No 881/2002 should therefore be amended accordingly,

HAS ADOPTED THIS REGULATION:

*Article 1*

Annex I to Regulation (EC) No 881/2002 is amended in accordance with the Annex to this Regulation.

*Article 2*This Regulation shall enter into force on the day following that of its publication in the *Official Journal of the European Union*.

This Regulation shall be binding in its entirety and directly applicable in all Member States.

Done at Brussels, 20 February 2017.

*For the Commission,*  
*On behalf of the President,*  
*Acting Head of the Service for Foreign Policy Instruments*

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<sup>(1)</sup> OJ L 139 29.5.2002, p. 9.

## ANNEX

The identifying data for the following entries under the heading 'Natural persons' in Annex I to Regulation (EC) No 881/2002 are amended as follows:

- (a) 'Sayf-Al Adl (alias (a) Saif Al-'Adil, (b) Seif al Adel, (c) Muhamad Ibrahim Makkawi, (d) Ibrahim al-Madani). Date of birth: (a) 1963, (b) 11.4.1963, (c) 11.4.1960. Place of birth: Egypt. Nationality: Egyptian. Date of designation referred to in Article 2a(4)(b): 25.1.2001.' is replaced by the following:

'Sayf-Al Adl (alias (a) Mohammed Salahaldin Abd El Halim Zidan. Date of birth: 11.4.1963. Place of birth: Monufia Governorate, Egypt. Nationality: Egyptian; (b) Muhamad Ibrahim Makkawi. Date of birth: (i) 11.4.1960, (ii) 11.4.1963. Place of birth: Egypt. Nationality: Egyptian; (c) Ibrahim al-Madani; (d) Saif Al-'Adil; (e) Seif al Adel). Date of birth: 11.4.1963. Place of birth: Monufia Governate, Egypt. Nationality: Egyptian. Date of designation referred to in Article 7d(2)(i): 25.1.2001.'

- (b) 'Seifallah Ben-Hassine (alias (a) Seif Allah ben Hocine; (b) Saifallah ben Hassine; (c) Sayf Allah 'Umar bin Hassayn; (d) Sayf Allah bin Hussayn; (e) Abu Iyyadh al-Tunisi; (f) Abou Iyadh el-Tounsi; (g) Abu Ayyad al-Tunisi; (h) Abou Aayadh; (i) Abou Iyadh). Date of birth: 8.11.1965. Nationality: Tunisian. Other information: Leader of Ansar al-Shari'a in Tunisia. Date of designation referred to in Article 2a(4)(b): 23.9.2014.' is replaced by the following:

'Seifallah Ben Hassine (alias (a) Seif Allah ben Hocine; (b) Saifallah ben Hassine; (c) Sayf Allah 'Umar bin Hassayn; (d) Sayf Allah bin Hussayn; (e) Abu Iyyadh al-Tunisi; (f) Abou Iyadh el-Tounsi; (g) Abu Ayyad al-Tunisi; (h) Abou Aayadh; (i) Abou Iyadh). Date of birth: 8.11.1965. Place of birth: Tunis, Tunisia. Nationality: Tunisian. Date of designation referred to in Article 7d(2)(i): 23.9.2014.'

- (c) 'Abd Al-Rahman Bin 'Umayr Al-Nu'Aymi (alias (a) Abd al-Rahman bin 'Amir al-Na'imi; (b) 'Abd al-Rahman al-Nu'aيمي; (c) 'Abd al-Rahman bin 'Amir al-Nu'imi; (d) 'Abd al-Rahman bin 'Amir al-Nu'aymi; (e) 'Abdallah Muhammad al-Nu'aymi; (f) 'Abd al-Rahman al-Nua'yimi; (g) A. Rahman al-Naimi; (h) Abdelrahman Imer al Jaber al Naimeh; (i) A. Rahman Omair J Alnaimi; (j) Abdulrahman Omair al Neaimi). Date of birth: 1954. Passport no.: 00868774 (Qatari passport, expired on 27.4.2014). National identification no.: 25463401784 (Qatari ID, expires on 6.12.2019). Date of designation referred to in Article 2a(4)(b): 23.9.2014.' is replaced by the following:

'Abd Al-Rahman Bin 'Umayr Al-Nu'Aymi (alias (a) Abd al-Rahman bin 'Amir al-Na'imi; (b) 'Abd al-Rahman al-Nu'aيمي; (c) 'Abd al-Rahman bin 'Amir al-Nu'imi; (d) 'Abd al-Rahman bin 'Amir al-Nu'aymi; (e) 'Abdallah Muhammad al-Nu'aymi; (f) 'Abd al-Rahman al-Nua'yimi; (g) A. Rahman al-Naimi; (h) Abdelrahman Imer al Jaber al Naimeh; (i) A. Rahman Omair J Alnaimi; (j) Abdulrahman Omair al Neaimi). Date of birth: 1954. Place of birth: Doha, Qatar. Nationality: Qatari. Passport no.: 00868774 (Qatari passport, expired on 27.4.2014). National identification no.: 25463401784 (Qatari ID, expires on 6.12.2019). Date of designation referred to in Article 7d(2)(i): 23.9.2014.'

- (d) 'Abd Al-Rahman Khalaf 'Ubayd Juday'Al-'Anizi (alias (a) 'Abd al-Rahman Khalaf al-Anizi; b) 'Abd al-Rahman Khalaf al-'Anzi; (c) Abu Usamah al-Rahman; (d) Abu Shaima' Kuwaiti; (e) Abu Usamah al-Kuwaiti; (f) Abu Usama; (g) Yusuf). Date of birth: 1973 (approximately). Nationality: Kuwaiti. Other information: Located in Syria since 2013. Date of designation referred to in Article 2a(4)(b): 23.9.2014.' is replaced by the following:

'Abd Al-Rahman Khalaf 'Ubayd Juday'Al-'Anizi (alias (a) 'Abd al-Rahman Khalaf al-Anizi; b) 'Abd al-Rahman Khalaf al-'Anzi; (c) Abu Usamah al-Rahman; (d) Abu Shaima' Kuwaiti; (e) Abu Usamah al-Kuwaiti; (f) Abu Usama; (g) Yusuf). Date of birth: 6.3.1973. Nationality: Kuwaiti. Other information: Located in Syrian Arab Republic since 2013. Date of designation referred to in Article 7d(2)(i): 23.9.2014.'

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**COMMISSION IMPLEMENTING REGULATION (EU) 2017/297****of 20 February 2017****establishing the standard import values for determining the entry price of certain fruit and vegetables**

THE EUROPEAN COMMISSION,

Having regard to the Treaty on the Functioning of the European Union,

Having regard to Regulation (EU) No 1308/2013 of the European Parliament and of the Council of 17 December 2013 establishing a common organisation of the markets in agricultural products and repealing Council Regulations (EEC) No 922/72, (EEC) No 234/79, (EC) No 1037/2001 and (EC) No 1234/2007 <sup>(1)</sup>,

Having regard to Commission Implementing Regulation (EU) No 543/2011 of 7 June 2011 laying down detailed rules for the application of Council Regulation (EC) No 1234/2007 in respect of the fruit and vegetables and processed fruit and vegetables sectors <sup>(2)</sup>, and in particular Article 136(1) thereof,

Whereas:

- (1) Implementing Regulation (EU) No 543/2011 lays down, pursuant to the outcome of the Uruguay Round multilateral trade negotiations, the criteria whereby the Commission fixes the standard values for imports from third countries, in respect of the products and periods stipulated in Annex XVI, Part A thereto.
- (2) The standard import value is calculated each working day, in accordance with Article 136(1) of Implementing Regulation (EU) No 543/2011, taking into account variable daily data. Therefore this Regulation should enter into force on the day of its publication in the *Official Journal of the European Union*,

HAS ADOPTED THIS REGULATION:

*Article 1*

The standard import values referred to in Article 136 of Implementing Regulation (EU) No 543/2011 are fixed in the Annex to this Regulation.

*Article 2*

This Regulation shall enter into force on the day of its publication in the *Official Journal of the European Union*.

This Regulation shall be binding in its entirety and directly applicable in all Member States.

Done at Brussels, 20 February 2017.

For the Commission,  
On behalf of the President,

Jerzy PLEWA

Director-General

*Directorate-General for Agriculture and Rural Development*

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<sup>(1)</sup> OJ L 347, 20.12.2013, p. 671.

<sup>(2)</sup> OJ L 157, 15.6.2011, p. 1.

## ANNEX

## Standard import values for determining the entry price of certain fruit and vegetables

(EUR/100 kg)		
CN code	Third country code <sup>(1)</sup>	Standard import value
0702 00 00	IL	75,4
	MA	108,0
	TN	194,0
	TR	124,4
	ZZ	125,5
0707 00 05	MA	79,2
	TR	179,9
	ZZ	129,6
0709 91 00	EG	113,1
	ZZ	113,1
0709 93 10	MA	56,2
	TR	172,4
	ZZ	114,3
0805 10 22, 0805 10 24, 0805 10 28	EG	42,6
	IL	74,6
	MA	45,3
	TN	56,5
	TR	75,9
	ZA	196,8
	ZZ	82,0
	EG	88,5
0805 21 10, 0805 21 90, 0805 29 00	IL	130,2
	JM	101,3
	MA	100,5
	TR	85,2
	ZZ	101,1
	IL	115,9
	MA	99,5
0805 50 10	EG	82,4
	TR	64,0
	ZZ	73,2
0808 10 80	CN	128,2
	US	115,7
	ZZ	122,0
0808 30 90	CL	173,6
	CN	77,2
	ZA	107,6
	ZZ	119,5

<sup>(1)</sup> Nomenclature of countries laid down by Commission Regulation (EU) No 1106/2012 of 27 November 2012 implementing Regulation (EC) No 471/2009 of the European Parliament and of the Council on Community statistics relating to external trade with non-member countries, as regards the update of the nomenclature of countries and territories (OJ L 328, 28.11.2012, p. 7). Code 'ZZ' stands for 'of other origin'.

# DECISIONS

## COUNCIL DECISION (CFSP) 2017/298

of 17 February 2017

### extending the mandate of the European Union Special Representative for Central Asia

THE COUNCIL OF THE EUROPEAN UNION,

Having regard to the Treaty on European Union, and in particular Article 33 and Article 31(2) thereof,

Having regard to the proposal from the High Representative of the Union for Foreign Affairs and Security Policy,

Whereas:

- (1) On 15 April 2015, the Council adopted Decision (CFSP) 2015/598 <sup>(1)</sup> appointing Mr Peter BURIAN as the European Union Special Representative (EUSR) for Central Asia. The EUSR's mandate is to expire on 28 February 2017.
- (2) The EUSR's mandate should be extended for a further period of 16 months.
- (3) The EUSR will implement the mandate in the context of a situation which may deteriorate and could impede the achievement of the objectives of the Union's external action as set out in Article 21 of the Treaty,

HAS ADOPTED THIS DECISION:

#### *Article 1*

#### **European Union Special Representative**

The mandate of Mr Peter BURIAN as the EUSR for Central Asia is extended until 30 June 2018. The Council may decide that the mandate of the EUSR be terminated earlier, based on an assessment by the Political and Security Committee (PSC) and a proposal from the High Representative of the Union for Foreign Affairs and Security Policy (HR).

#### *Article 2*

#### **Policy objectives**

The mandate of the EUSR shall be based on the Union's policy objectives in Central Asia. These objectives include:

- (a) promoting good and close relations between the Union and the countries of Central Asia on the basis of common values and interests as set out in relevant agreements;
- (b) contributing to strengthening the stability and cooperation between the countries in the region;
- (c) contributing to strengthening democracy, the rule of law, good governance and respect for human rights and fundamental freedoms in Central Asia;

<sup>(1)</sup> Council Decision (CFSP) 2015/598 of 15 April 2015 appointing the European Union Special Representative for Central Asia (OJ L 99, 16.4.2015, p. 25).

- (d) addressing key threats, especially specific problems with direct implications for the Union;
- (e) enhancing the Union's effectiveness and visibility in the region, including through closer coordination with other relevant partners and international organisations, such as the Organisation for Security and Cooperation in Europe (OSCE) and the United Nations (UN).

### *Article 3*

#### **Mandate**

1. In order to achieve the policy objectives, the EUSR's mandate shall be to:
  - (a) promote overall Union political coordination in Central Asia and help to ensure consistency of the external actions of the Union in the region;
  - (b) monitor, on behalf of the HR, together with the European External Action Service (EEAS) and the Commission, the implementation process of the Union Strategy for a New Partnership with Central Asia, complemented by relevant Council conclusions and subsequent progress reports on the implementation of the Union Strategy for Central Asia, make recommendations and report to relevant Council bodies on a regular basis;
  - (c) assist the Council in further developing a comprehensive policy towards Central Asia;
  - (d) follow closely political developments in Central Asia by developing and maintaining close contacts with governments, parliaments, the judiciary, civil society and mass media;
  - (e) encourage Kazakhstan, Kyrgyzstan, Tajikistan, Turkmenistan and Uzbekistan to cooperate on regional issues of common interest;
  - (f) develop appropriate contacts and cooperation with the main interested actors in the region, and all relevant regional and international organisations;
  - (g) contribute to the implementation of the Union's human rights policy in the region in cooperation with the EUSR for Human Rights, including the Union Guidelines on human rights, in particular the Union Guidelines on Children and Armed Conflict as well as on violence against women and girls and combating all forms of discrimination against them, and Union policy regarding UN Security Council Resolution 1325 (2000) on Women, Peace and Security, including by monitoring and reporting on developments as well as formulating recommendations in this regard;
  - (h) contribute, in close cooperation with the UN and the OSCE, to conflict prevention and resolution by developing contacts with the authorities and other local actors such as non-governmental organisations, political parties, minorities, religious groups and their leaders;
  - (i) provide input to the formulation of energy security, border security, countering serious crime, including narcotics and trafficking in human beings, as well as water resource management, environment and climate change aspects of the common foreign and security policy with respect to Central Asia;
  - (j) promote regional security within Central Asian borders in the context of the reduction of the international presence in Afghanistan.
2. The EUSR shall support the work of the HR and maintain an overview of all activities of the Union in the region.

### *Article 4*

#### **Implementation of the mandate**

1. The EUSR shall be responsible for the implementation of the mandate, acting under the authority of the HR.

2. The PSC shall maintain a privileged link with the EUSR and shall be the EUSR's primary point of contact with the Council. The PSC shall provide the EUSR with strategic guidance and political direction within the framework of the mandate, without prejudice to the powers of the HR.
3. The EUSR shall work in close coordination with the EEAS and its relevant departments.

#### *Article 5*

#### **Financing**

1. The financial reference amount intended to cover the expenditure related to the EUSR's mandate for the period from 1 March 2017 to 30 June 2018 shall be EUR 1 195 000.
2. The expenditure shall be managed in accordance with the procedures and rules applicable to the general budget of the Union.
3. The management of the expenditure shall be subject to a contract between the EUSR and the Commission. The EUSR shall be accountable to the Commission for all expenditure.

#### *Article 6*

#### **Constitution and composition of the team**

1. Within the limits of the EUSR's mandate and the corresponding financial means made available, the EUSR shall be responsible for constituting a team. The team shall include the expertise on specific policy issues as required by the mandate. The EUSR shall keep the Council and the Commission promptly informed of the composition of the team.
2. Member States, the institutions of the Union and the EEAS may propose the secondment of staff to work with the EUSR. The salary of such seconded personnel shall be covered by the sending Member State, the sending institution of the Union or the EEAS, respectively. Experts seconded by Member States to the institutions of the Union or the EEAS may also be posted to work with the EUSR. International contracted staff shall have the nationality of a Member State.
3. All seconded personnel shall remain under the administrative authority of the sending Member State, the sending institution of the Union or the EEAS, respectively, and shall carry out their duties and act in the interest of the EUSR's mandate.
4. The EUSR staff shall be co-located with the relevant EEAS department or Union delegation in order to ensure coherence and consistency of their respective activities.

#### *Article 7*

#### **Privileges and immunities of the EUSR and the EUSR's staff**

The privileges, immunities and further guarantees necessary for the completion and smooth functioning of the EUSR's mission and the members of the EUSR's staff shall be agreed with the host countries, as appropriate. Member States and the EEAS shall grant all necessary support to such effect.

*Article 8***Security of EU classified information**

The EUSR and the members of the EUSR's team shall respect the security principles and minimum standards established by Council Decision 2013/488/EU <sup>(1)</sup>.

*Article 9***Access to information and logistical support**

1. Member States, the Commission, the EEAS and the General Secretariat of the Council shall ensure that the EUSR is given access to any relevant information.
2. The Union delegations in the region and/or the Member States, as appropriate, shall provide logistical support in the region.

*Article 10***Security**

In accordance with the Union's policy on the security of personnel deployed outside the Union in an operational capacity under Title V of the Treaty, the EUSR shall take all reasonably practicable measures, in accordance with the EUSR's mandate and on the basis of the security situation in the area of responsibility, for the security of all personnel under the EUSR's direct authority, in particular by:

- (a) establishing a specific security plan based on guidance from the EEAS, including specific physical, organisational and procedural security measures, governing the management of the secure movement of personnel to, and within, the area of responsibility as well as the management of security incidents and including a contingency plan and evacuation plan;
- (b) ensuring that all personnel deployed outside the Union are covered by high-risk insurance, as required by the conditions in the area of responsibility;
- (c) ensuring that all members of the EUSR's team to be deployed outside the Union, including locally contracted personnel, have received appropriate security training before or upon arriving in the area of responsibility, based on the risk ratings assigned to that area by the EEAS;
- (d) ensuring that all agreed recommendations made following regular security assessments are implemented and providing the Council, the HR and the Commission with written reports on their implementation and on other security issues within the framework of the progress report and the report on the implementation of the mandate.

*Article 11***Reporting**

The EUSR shall regularly provide the HR and the PSC with oral and written reports. The EUSR shall also report to Council working parties, as necessary. Regular reports shall be circulated through the COREU network. The EUSR may provide the Foreign Affairs Council with reports. In accordance with Article 36 of the Treaty, the EUSR may be involved in briefing the European Parliament.

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<sup>(1)</sup> Council Decision 2013/488/EU of 23 September 2013 on the security rules for protecting EU classified information (OJ L 274, 15.10.2013, p. 1).

*Article 12***Coordination**

1. The EUSR shall contribute to the unity, consistency and effectiveness of the Union's action and shall help ensure that all Union instruments and Member States' actions are engaged consistently to attain the Union's policy objectives. The activities of the EUSR shall be coordinated with the relevant geographic department of the EEAS, as well as with the Commission. The EUSR shall provide regular briefings to Member States' missions and the Union's delegations.
2. In the field, close liaison shall be maintained with the relevant Heads of Member States' Missions and Heads of Union delegations. They shall make every effort to assist the EUSR in the implementation of the mandate. The EUSR shall also liaise with other international and regional actors in the field.

*Article 13***Assistance in relation to claims**

The EUSR and the EUSR's staff shall assist in providing elements to respond to any claims and obligations arising from the mandates of the previous EUSRs for Central Asia, and shall provide administrative assistance and access to relevant files for such purposes.

*Article 14***Review**

The implementation of this Decision and its consistency with other contributions from the Union to the region shall be kept under regular review. The EUSR shall present the Council, the HR and the Commission with a progress report by the 30 September 2017 and a comprehensive mandate implementation report by the 31 March 2018.

*Article 15***Entry into force**

This Decision shall enter into force on the date of its adoption.

Done at Brussels, 17 February 2017.

*For the Council*  
*The President*  
E. BARTOLO

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**COUNCIL DECISION (CFSP) 2017/299****of 17 February 2017****extending the mandate of the European Union Special Representative for the South Caucasus and the crisis in Georgia**

THE COUNCIL OF THE EUROPEAN UNION,

Having regard to the Treaty on European Union, and in particular Article 33 and Article 31(2) thereof,

Having regard to the proposal from the High Representative of the Union for Foreign Affairs and Security Policy,

Whereas:

- (1) On 8 July 2014, the Council adopted Decision 2014/438/CFSP<sup>(1)</sup> appointing Mr Herbert SALBER as the European Union Special Representative (EUSR) for the South Caucasus and the crisis in Georgia. The EUSR's mandate is to expire on 28 February 2017.
- (2) The EUSR's mandate should be extended for a further period of 16 months.
- (3) The EUSR will implement the mandate in the context of a situation which may deteriorate and could impede the achievement of the objectives of the Union's external action as set out in Article 21 of the Treaty,

HAS ADOPTED THIS DECISION:

*Article 1*

**European Union Special Representative**

The mandate of Mr Herbert SALBER as the EUSR for the South Caucasus and the crisis in Georgia is hereby extended until 30 June 2018. The Council may decide that the EUSR's mandate be terminated earlier, based on an assessment by the Political and Security Committee (PSC) and a proposal from the High Representative of the Union for Foreign Affairs and Security Policy (HR).

*Article 2*

**Policy objectives**

The EUSR's mandate shall be based on the policy objectives of the Union for the South Caucasus, including the objectives set out in the Conclusions of the extraordinary European Council meeting held in Brussels on 1 September 2008 and the Council Conclusions of 15 September 2008, as well as those of 27 February 2012. Those objectives include:

- (a) in accordance with the existing mechanisms, including the Organisation for Security and Cooperation in Europe (OSCE) and its Minsk Group, to prevent conflicts in the region, to contribute to a peaceful settlement of conflicts in the region, including the crisis in Georgia and the Nagorno-Karabakh conflict, by promoting the return of refugees and internally displaced persons and through other appropriate means, and to support the implementation of such a settlement in accordance with the principles of international law;

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<sup>(1)</sup> Council Decision 2014/438/CFSP of 8 July 2014 amending and extending the mandate of the European Union Special Representative for the South Caucasus and the crisis in Georgia (OJ L 200, 9.7.2014, p. 11).

- (b) to engage constructively with the main interested actors regarding the region;
- (c) to encourage and support further cooperation between Armenia, Azerbaijan and Georgia, and, as appropriate, their neighbouring countries;
- (d) to enhance the Union's effectiveness and visibility in the region.

### *Article 3*

#### **Mandate**

In order to achieve the policy objectives, the EUSR's mandate shall be:

- (a) to develop contacts with governments, parliaments, other key political actors, the judiciary and civil society in the region;
- (b) to encourage the countries in the region to cooperate on regional themes of common interest, such as common security threats, the fight against terrorism, illicit trafficking and organised crime;
- (c) to contribute to the peaceful settlement of conflicts in accordance with the principles of international law and to facilitate the implementation of such settlement in close coordination with the United Nations, the OSCE and its Minsk Group;
- (d) with respect to the crisis in Georgia:
  - (i) to help prepare for the international talks held under point 6 of the settlement plan of 12 August 2008 ('Geneva International Discussions') and its implementing measures of 8 September 2008, including on arrangements for security and stability in the region, the issue of refugees and internally displaced persons, on the basis of internationally recognised principles, and any other subject, by mutual agreement between the parties;
  - (ii) to help establish the Union's position and represent it, at the level of the EUSR, in the talks referred to in point (i); and
  - (iii) to facilitate the implementation of the settlement plan of 12 August 2008 and its implementing measures of 8 September 2008;
- (e) to facilitate the development and implementation of confidence-building measures in coordination with Member States' expertise, where available and appropriate;
- (f) to assist in the preparation, as appropriate, of Union contributions to the implementation of a possible conflict settlement;
- (g) to intensify the Union's dialogue with the main actors concerned regarding the region;
- (h) to assist the Union in further developing a comprehensive policy towards the South Caucasus;
- (i) in the framework of the activities set out in this Article, to contribute to the implementation of the Union's human rights policy and the Union Guidelines on Human Rights, in particular with regard to children and women in areas affected by conflicts, especially by monitoring and addressing developments in this regard.

### *Article 4*

#### **Implementation of the mandate**

1. The EUSR shall be responsible for the implementation of the mandate, acting under the authority of the HR.

2. The PSC shall maintain a privileged link with the EUSR and shall be the EUSR's primary point of contact with the Council. The PSC shall provide the EUSR with strategic guidance and political direction within the framework of the mandate, without prejudice to the powers of the HR.
3. The EUSR shall work in close coordination with the European External Action Service (EEAS) and its relevant departments.

#### *Article 5*

### **Financing**

1. The financial reference amount intended to cover the expenditure related to the EUSR's mandate for the period from 1 March 2017 to 30 June 2018 shall be EUR 2 990 000.
2. The expenditure shall be managed in accordance with the procedures and rules applicable to the general budget of the Union.
3. The management of the expenditure shall be subject to a contract between the EUSR and the Commission. The EUSR shall be accountable to the Commission for all expenditure.

#### *Article 6*

### **Constitution and composition of the team**

1. Within the limits of the EUSR's mandate and the corresponding financial means made available, the EUSR shall be responsible for constituting a team. The team shall include the expertise on specific policy issues as required by the mandate. The EUSR shall keep the Council and the Commission promptly informed of the composition of the team.
2. Member States, the institutions of the Union and the EEAS may propose the secondment of staff to work with the EUSR. The salary of such seconded personnel shall be covered by the sending Member State, the sending institution of the Union or the EEAS, respectively. Experts seconded by Member States to the institutions of the Union or the EEAS may also be posted to work with the EUSR. International contracted staff shall have the nationality of a Member State.
3. All seconded personnel shall remain under the administrative authority of the sending Member State, the sending institution of the Union or the EEAS, respectively, and shall carry out their duties and act in the interest of the EUSR's mandate.
4. The EUSR's staff shall be co-located with the relevant EEAS departments or Union delegations in order to ensure coherence and consistency of their respective activities.

#### *Article 7*

### **Privileges and immunities of the EUSR and the EUSR's staff**

The privileges, immunities and further guarantees necessary for the completion and smooth functioning of the EUSR's mission and the members of the EUSR's staff shall be agreed with the host countries, as appropriate. Member States and the EEAS shall grant all necessary support to such effect.

*Article 8***Security of EU classified information**

The EUSR and the members of the EUSR's team shall respect the security principles and minimum standards established by Council Decision 2013/488/EU <sup>(1)</sup>.

*Article 9***Access to information and logistical support**

1. Member States, the Commission and the General Secretariat of the Council shall ensure that the EUSR is given access to any relevant information.
2. The Union delegations in the region and/or the Member States, as appropriate, shall provide logistical support in the region.

*Article 10***Security**

In accordance with the Union's policy on the security of personnel deployed outside the Union in an operational capacity under Title V of the Treaty, the EUSR shall take all reasonably practicable measures, in accordance with the EUSR's mandate and on the basis of the security situation in the geographical area of responsibility, for the security of all personnel under the EUSR's direct authority, in particular by:

- (a) establishing a specific security plan based on guidance from the EEAS, including specific physical, organisational and procedural security measures governing the management of the secure movement of personnel to, and within, the area of responsibility as well as the management of security incidents and including a contingency plan and evacuation plan;
- (b) ensuring that all personnel deployed outside the Union are covered by high-risk insurance, as required by the conditions in the area of responsibility;
- (c) ensuring that all members of the EUSR's team to be deployed outside the Union, including locally contracted personnel, have received appropriate security training before or upon arriving in the area of responsibility, based on the risk ratings assigned to that area by the EEAS;
- (d) ensuring that all agreed recommendations made following regular security assessments are implemented, and providing the Council, the HR and the Commission with written reports on their implementation and on other security issues within the framework of the progress report and the report on the implementation of the mandate.

*Article 11***Reporting**

The EUSR shall regularly provide the HR and the PSC with oral and written reports. The EUSR shall also report to Council working parties as necessary. Regular reports shall be circulated through the COREU network. The EUSR may provide the Foreign Affairs Council with reports. In accordance with Article 36 of the Treaty, the EUSR may be involved in briefing the European Parliament.

<sup>(1)</sup> Council Decision 2013/488/EU of 23 September 2013 on the security rules for protecting EU classified information (OJ L 274, 15.10.2013, p. 1).

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*Article 12***Coordination**

1. The EUSR shall contribute to the unity, consistency and effectiveness of the Union's action and shall help ensure that all Union instruments and Member States' actions are engaged consistently, to attain the Union's policy objectives. The activities of the EUSR shall be coordinated with those of the Commission. The EUSR shall provide regular briefings to Member States' missions and the Union's delegations.

2. In the field, close liaison shall be maintained with the Heads of Union delegations and Member States' Heads of Mission, who shall make every effort to assist the EUSR in the implementation of the mandate. The EUSR, *in close coordination with the Head of the Union Delegation to Georgia*, shall provide the Head of the European Union Monitoring Mission in Georgia (EUMM Georgia) with local political guidance. The EUSR and the Civilian Operations Commander for EUMM Georgia shall consult each other as required. The EUSR shall also liaise with other international and regional actors in the field.

*Article 13***Assistance in relation to claims**

The EUSR and the EUSR's staff shall assist in providing elements to respond to any claims and obligations arising from the mandates of the previous EUSRs for the South Caucasus and the crisis in Georgia, and shall provide administrative assistance and access to relevant files for such purposes.

*Article 14***Review**

The implementation of this Decision and its consistency with other contributions from the Union to the region shall be kept under regular review. The EUSR shall present the Council, the HR and the Commission with a progress report by 30 September 2017 and a comprehensive mandate implementation report by 31 March 2018.

*Article 15***Entry into force**

This Decision shall enter into force on the date of its adoption.

Done at Brussels, 17 February 2017.

*For the Council*  
*The President*  
E. BARTOLO

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**COUNCIL DECISION (CFSP) 2017/300****of 17 February 2017****extending the mandate of the European Union Special Representative for the Horn of Africa**

THE COUNCIL OF THE EUROPEAN UNION,

Having regard to the Treaty on European Union, and in particular Article 33 and Article 31(2) thereof,

Having regard to the proposal from the High Representative of the Union for Foreign Affairs and Security Policy,

Whereas:

- (1) On 8 December 2011, the Council adopted Decision 2011/819/CFSP<sup>(1)</sup> appointing Mr Alexander RONDOS as the European Union Special Representative (EUSR) for the Horn of Africa. The EUSR's mandate is to expire on 28 February 2017.
- (2) The EUSR's mandate should be extended for a further period of 16 months.
- (3) The EUSR will implement the mandate in the context of a situation which may deteriorate and could impede the achievement of the objectives of the Union's external action as set out in Article 21 of the Treaty,

HAS ADOPTED THIS DECISION:

*Article 1***European Union Special Representative**

1. The mandate of Mr Alexander RONDOS as the EUSR for the Horn of Africa is extended until 30 June 2018. The Council may decide that the mandate of the EUSR be terminated earlier, based on an assessment by the Political and Security Committee (PSC) and a proposal from the High Representative of the Union for Foreign Affairs and Security Policy (HR).
2. For the purposes of the EUSR's mandate, the Horn of Africa is defined as comprising the Republic of Djibouti, the State of Eritrea, the Federal Democratic Republic of Ethiopia, the Republic of Kenya, the Federal Republic of Somalia, the Republic of the Sudan, the Republic of South Sudan and the Republic of Uganda. For issues with broader regional implications, the EUSR shall engage with countries and regional entities beyond the Horn of Africa, as appropriate.

*Article 2***Policy objectives**

1. The EUSR's mandate shall be based on the Union's policy objectives in relation to the Horn of Africa, as set out in its Strategic Framework adopted on 14 November 2011, the Horn of Africa Regional Action Plan 2015-2020, adopted on 26 October 2015, and in relevant Council conclusions, namely to contribute actively to regional and international efforts to achieve peaceful coexistence and lasting peace, security and development within and among the countries in the region. The EUSR shall furthermore contribute to enhancing the quality, intensity, impact and visibility of the Union's multi-faceted engagement in the Horn of Africa.

<sup>(1)</sup> Council Decision 2011/819/CFSP of 8 December 2011 appointing the European Union Special Representative for the Horn of Africa (OJ L 327, 9.12.2011, p. 62).

2. The policy objectives to which the EUSR shall contribute shall include, inter alia:
  - (a) the continued stabilisation of the Horn of Africa, taking into account broader regional dynamics;
  - (b) the resolution of conflicts, specifically those in Somalia, South Sudan and Sudan, and the prevention and early warning of potential conflicts between or within countries in the region;
  - (c) support for political, security and economic regional cooperation.
  - (d) improved management of mixed migration flows from and within the Horn of Africa, addressing also the root causes of such flows.

### Article 3

#### **Mandate**

1. In order to achieve the Union's policy objectives in relation to the Horn of Africa, the EUSR's mandate shall be to:
  - (a) on the basis of the Strategic Framework and its Regional Action Plan, engage with all relevant stakeholders in the region, governments, regional authorities, international and regional organisations, civil society and diasporas, with a view to furthering the Union's objectives, and contribute to a better understanding of the role of the Union in the region;
  - (b) engage with major actors outside the region with influence within the Horn of Africa, in the interests of tackling issues of broader regional stability, including with regard to the Red Sea, to the Western Indian Ocean and to African Mission in Somalia (Amisom) financing. Those contacts shall include bilateral engagement with the United States of America, the countries of the Gulf, Egypt, Turkey and China, regional contacts with the Gulf Cooperation Council (GCC), and interaction with other relevant actors as they emerge;
  - (c) represent the Union in relevant international fora, as appropriate, and ensure visibility for Union support to crisis management, as well as conflict resolution and prevention;
  - (d) encourage and support effective political and security cooperation and economic integration in the region through the Union's partnership with the African Union (AU) and regional organisations, in particular the Intergovernmental Authority on Development (IGAD);
  - (e) follow political developments in the region and contribute to the development of the Union's policy towards the region, including in relation to Eritrea, Ethiopia, Somalia, Sudan, South Sudan, the Djibouti-Eritrea border dispute, the Ethiopia-Eritrea border dispute, implementation of the Algiers Agreement, the Nile Basin initiative, and other concerns in the region that impact on its security, stability and prosperity;
  - (f) with regard to Somalia, and working in close coordination with the Head of the Union Delegation to Somalia and relevant regional and international partners, including the United Nations (UN) Secretary-General Special Representative for Somalia, the AU and IGAD, continue to contribute actively to actions and initiatives leading to further stabilisation for Somalia, support a new partnership agreement building on the achievements of the New Deal Compact of 2013 and the finalisation of the federal state-formation process, and facilitate a political transition after the completion of the electoral process. In addition, the EUSR shall continue to support the development of the security sector in Somalia, including through the Union's CSDP missions deployed in the region, and to work towards enhanced coordination of international donors to support security sector in Somalia, in close consultation with Member States;
  - (g) with regard to Sudan, and working in close cooperation with the Heads of the Union Delegations in Khartoum and to the AU in Addis Ababa, contribute to the coherence and effectiveness of the Union's policy towards Sudan and support political solutions to the ongoing conflicts in Darfur, Southern Kordofan and Blue Nile, and national reconciliation through a holistic political process. In this regard, the EUSR shall contribute to a coherent international approach with the AU and in particular the AU High Level Implementation Panel for Sudan and South Sudan (AUHIP), the UN and other leading regional and international stakeholders, keeping in mind also the need to support the peaceful coexistence of Sudan and South Sudan, in particular through implementation of the Addis Agreements and resolution of the outstanding issues following the Comprehensive Peace Agreement;

- (h) with regard to South Sudan, building on the Agreement on the Resolution of the Conflict in South Sudan (Arciss), continue to engage at a regional level, particularly with the UN, the AU, IGAD, South Sudan's neighbours and other leading international partners, to ensure implementation of the agreement and the prevention of further conflict. In this regard the EUSR shall work in close cooperation with the Heads of the Union Delegations in Juba and to the AU in Addis Ababa;
  - (i) examine trans-boundary challenges, in particular on migration and, upon request, engage in dialogues on migration with relevant stakeholders and contribute more generally to the Union's policy on migration and refugees with respect to the region, in line with the Union's political priorities, in order to increase cooperation, including on return and readmission;
  - (j) follow closely other trans-boundary challenges affecting the Horn of Africa, with a focus on radicalisation and terrorism, but looking also at maritime security and piracy, organised crime, smuggling and trafficking of weapons, wildlife products, drugs and other contraband, and any political and security consequences of humanitarian crises;
  - (k) promote humanitarian access throughout the region;
  - (l) contribute to the implementation of Council Decision 2011/168/CFSP <sup>(1)</sup> and the Union's human rights policy, in cooperation with the EUSR for Human Rights, including the EU Guidelines on human rights, in particular the EU Guidelines on children and armed conflict as well as the EU Guidelines on violence against women and girls and combating all forms of discrimination against them, and the Union's policy regarding UN Security Council Resolution 1325 (2000), including by monitoring and reporting on developments as well as formulating recommendations in this regard.
2. For the purpose of the fulfilment of the mandate, the EUSR shall, inter alia:
- (a) advise and report on the definition of Union positions in international fora, as appropriate, in order to promote proactively the Union's comprehensive policy approach towards the Horn of Africa;
  - (b) maintain an overview of all activities of the Union.

#### *Article 4*

### **Implementation of the mandate**

1. The EUSR shall be responsible for the implementation of the mandate, acting under the authority of the HR.
2. The PSC shall maintain a privileged link with the EUSR and shall be the EUSR's primary point of contact with the Council. The PSC shall provide the EUSR with strategic guidance and political direction within the framework of the mandate, without prejudice to the powers of the HR.
3. The EUSR shall work in close coordination with the European External Action Service (EEAS) and its relevant departments, as well as with the relevant Union delegations in the region and the Commission.
4. The EUSR shall be primarily based in the region while ensuring a regular presence at EEAS headquarters.

#### *Article 5*

### **Financing**

1. The financial reference amount intended to cover the expenditure related to the EUSR's mandate for the period from 1 March 2017 to 30 June 2018 shall be EUR 3 400 000.

<sup>(1)</sup> Council Decision 2011/168/CFSP of 21 March 2011 on the International Criminal Court and repealing Common Position 2003/444/CFSP (OJ L 76, 22.3.2011, p. 56).

2. The expenditure shall be managed in accordance with the procedures and rules applicable to the general budget of the Union.
3. The management of the expenditure shall be subject to a contract between the EUSR and the Commission. The EUSR shall be accountable to the Commission for all expenditure.

#### *Article 6*

### **Constitution and composition of the team**

1. Within the limits of the EUSR's mandate and the corresponding financial means made available, the EUSR shall be responsible for constituting his team. The team shall include the expertise on specific policy and security issues as required by the mandate. The EUSR shall keep the Council and the Commission promptly and regularly informed of the composition of his team.
2. Member States, the institutions of the Union and the EEAS may propose the secondment of staff to work with the EUSR. The salary of such seconded personnel shall be covered by the sending Member State, the sending institution of the Union or the EEAS, respectively. Experts seconded by Member States to the institutions of the Union or the EEAS may also be posted to work with the EUSR. International contracted staff shall have the nationality of a Member State.
3. All seconded personnel shall remain under the administrative authority of the sending Member State, the sending institution of the Union or the EEAS, respectively, and shall carry out their duties and act in the interest of the EUSR's mandate.
4. The EUSR staff shall be co-located within the relevant EEAS departments or the Union delegations in order to contribute to the coherence and consistency of their respective activities.

#### *Article 7*

### **Privileges and immunities of the EUSR and the EUSR's staff**

The privileges, immunities and further guarantees necessary for the completion and smooth functioning of the EUSR's mission and the members of the EUSR's staff shall be agreed with the host countries, as appropriate. Member States and the EEAS shall grant all necessary support to such effect.

#### *Article 8*

### **Security of EU classified information**

The EUSR and the members of EUSR's team shall respect the security principles and minimum standards established by Council Decision 2013/488/EU <sup>(1)</sup>.

#### *Article 9*

### **Access to information and logistical support**

1. Member States, the Commission, the EEAS and the General Secretariat of the Council shall ensure that the EUSR is given access to any relevant information.

<sup>(1)</sup> Council Decision 2013/488/EU of 23 September 2013 on the security rules for protecting EU classified information (OJ L 274, 15.10.2013, p. 1).

2. The Union delegations in the region and/or the Member States, as appropriate, shall provide logistical support in the region.

#### *Article 10*

#### **Security**

In accordance with the Union's policy on the security of personnel deployed outside the Union in an operational capacity under Title V of the Treaty, the EUSR shall take all reasonably practicable measures, in accordance with the EUSR's mandate and the security situation in the area of responsibility, for the security of all personnel under the EUSR's direct authority, in particular by:

- (a) establishing a specific security plan based on guidance from the EEAS, including specific physical, organisational and procedural security measures, governing the management of the secure movement of personnel to and within the area of responsibility, as well as management of security incidents, and providing for a contingency and evacuation plan;
- (b) ensuring that all personnel deployed outside the Union are covered by high-risk insurance, as required by the conditions in the area of responsibility;
- (c) ensuring that all members of the EUSR's team to be deployed outside the Union, including locally contracted personnel, have received appropriate security training before or upon arriving in the area of responsibility, based on the risk ratings assigned to that area by the EEAS;
- (d) ensuring that all agreed recommendations made following regular security assessments are implemented and providing the Council, the HR, and the Commission with written reports on their implementation and on other security issues within the framework of the progress report and the report on the implementation of the mandate.

#### *Article 11*

#### **Reporting**

1. The EUSR shall regularly provide the HR and the PSC with oral and written reports. The EUSR shall also report to Council working parties, as necessary. Regular reports shall be circulated through the COREU network. The EUSR may provide the Foreign Affairs Council with reports. In accordance with Article 36 of the Treaty, the EUSR may be involved in briefing the European Parliament.

2. The EUSR shall report on the best way of pursuing Union initiatives, such as the contribution of the Union to reforms, and including the political aspects of relevant Union development projects, in coordination with the Union delegations in the region.

#### *Article 12*

#### **Coordination**

1. The EUSR shall contribute to the unity, consistency and effectiveness of the Union's actions and shall help ensure that all Union instruments and Member States' actions are engaged consistently, to attain the Union's policy objectives. The activities of the EUSR shall be coordinated with those of the relevant Union delegations and of the Commission. The EUSR shall provide regular briefings to Member States' missions and the Union delegations in the region.

2. In the field, close liaison shall be maintained with the relevant Heads of Member State's missions and of the Union delegations. They shall make every effort to assist the EUSR in the implementation of the mandate. The EUSR, in close coordination with the relevant Union delegations, shall provide local political guidance to the Force Commander of EUNAVFOR Atalanta, the Mission Commander of EUTM Somalia and the Head of Mission of EUCAP Somalia. The EUSR, the EU Operation Commanders and the Civilian Operations Commander shall consult each other as required.

3. The EUSR shall closely cooperate with the authorities of the countries involved, the UN, the AU, IGAD, other national, regional and international stakeholders, and also with civil society in the region.

*Article 13*

**Assistance in relation to claims**

The EUSR and the EUSR's staff shall assist in providing elements to respond to any claims and obligations arising from the mandates of the previous EUSRs in Sudan and South Sudan, and shall provide administrative assistance and access to relevant files for such purposes.

*Article 14*

**Review**

The implementation of this Decision and its consistency with other contributions from the Union to the region shall be kept under regular review. The EUSR shall present the Council, the HR and the Commission with a progress report by 30 September 2017 and a comprehensive mandate implementation report by 31 March 2018.

*Article 15*

**Entry into force**

This Decision shall enter into force on the date of its adoption.

Done at Brussels, 17 February 2017.

*For the Council*  
*The President*  
E. BARTOLO

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**COUNCIL DECISION (CFSP) 2017/301**  
**of 17 February 2017**  
**extending the mandate of the European Union Special Representative for the Sahel**

THE COUNCIL OF THE EUROPEAN UNION,

Having regard to the Treaty on European Union, and in particular Article 33 and Article 31(2) thereof,

Having regard to the proposal from the High Representative of the Union for Foreign Affairs and Security Policy,

Whereas:

- (1) On 7 December 2015, the Council adopted Decision (CFSP) 2015/2274 <sup>(1)</sup> appointing Mr Ángel LOSADA FERNÁNDEZ as the European Union Special Representative (EUSR) for the Sahel. The EUSR's mandate is to expire on 28 February 2017.
- (2) The EUSR's mandate should be extended for a further period of 16 months.
- (3) The EUSR will implement the mandate in the context of a situation which may deteriorate and could impede the achievement of the objectives of the Union's external action as set out in Article 21 of the Treaty,

HAS ADOPTED THIS DECISION:

*Article 1*

**European Union Special Representative**

1. The mandate of Mr Ángel LOSADA FERNÁNDEZ as the EUSR for the Sahel is extended until 30 June 2018. The Council may decide that the mandate of the EUSR be terminated earlier, based on a proposal from the High Representative of the Union for Foreign Affairs and Security Policy (HR).
2. For the purposes of the EUSR's mandate, the Sahel is defined as comprising the primary focus of the EU Strategy for Security and Development in the Sahel (the 'Strategy') and its Regional Action Plan (the 'RAP'), namely Burkina Faso, Chad, Mali, Mauritania and Niger. For issues with broader regional implications, the EUSR shall engage with the countries of the Lake Chad basin and other countries and regional or international entities beyond the Sahel, including the Maghreb, West Africa and the Gulf of Guinea, as appropriate.

*Article 2*

**Policy objectives**

1. The EUSR's mandate shall be based on the Union's policy objective in relation to the Sahel to contribute actively to regional and international efforts to achieve lasting peace, security and development in the region. The EUSR shall furthermore aim to enhance the quality, intensity and impact of the Union's multi-faceted engagement in the Sahel.
2. The EUSR shall contribute to developing and implementing all the Union's efforts in the region, in particular in the political, security and development areas, including the Strategy, and its RAP, and to coordinating all relevant instruments for Union actions.

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<sup>(1)</sup> Council Decision (CFSP) 2015/2274 of 7 December 2015 appointing the European Union Special Representative for the Sahel (OJ L 322, 8.12.2015, p. 44).

3. Priority shall be given to Mali and to its long-term stabilisation and to the regional dimensions of the conflict, in coordination with the EU delegation and other relevant stakeholders, including Member States, the Commission and the European External Action Service (EEAS).
4. The Union's policy objectives should aim, through the coordinated and effective use of all its instruments, to promote a return for Mali and its people to a path of peace, reconciliation, security and development.
5. Due attention shall be given to contributing to the strengthening of the coordination efforts between the Sahel countries within the areas of security and development, in particular of the G5 Sahel.

### Article 3

#### **Mandate**

1. In order to achieve the Union's policy objectives in relation to the Sahel, the EUSR's mandate shall be to:
  - (a) actively contribute to the implementation of the Strategy and its RAP and to coordinate and further develop the Union's comprehensive approach to the regional crisis, with a view to enhancing the overall coherence and effectiveness of Union activities in the Sahel;
  - (b) engage with all relevant stakeholders of the region, governments, regional organisations, in particular the G5 Sahel, international organisations, civil society and diasporas, including with all the countries of the Maghreb and the Lake Chad basin, with a view to furthering the Union's objectives, and contribute to a better understanding of the role of the Union in the Sahel;
  - (c) represent and promote the interests and visibility of the Union in relevant regional and international fora, including the participation in the Comité de Suivi of the Mali Peace Agreement, and facilitate fully coordinated and comprehensive Union action in the region drawing on all relevant instruments, including development assistance, Member States activities and Union support to crisis management and conflict prevention through the European Union military mission to contribute to the training of the Malian Armed Forces (EUTM Mali), the European Union CSDP mission in Mali (EUCAP Sahel Mali) and the European Union CSDP mission in Niger (EUCAP Sahel Niger);
  - (d) maintain close cooperation with the United Nations (UN), in particular the Special Representative of the Secretary-General for West Africa and the Sahel, the Special Representative of the Secretary-General and Head of the UN Multidimensional Integrated Stabilisation Mission in Mali (Minusma), the African Union (AU), in particular the AU High Representative for Mali and the Sahel, the G5 Sahel, the Economic Community of West African States, the Lake Chad Basin Commission and other leading national, regional and international stakeholders including other special envoys for the Sahel, as well as with the relevant bodies in the Maghreb area;
  - (e) closely follow the regional and trans-boundary dimensions of the challenges facing the region, including terrorism, organised crime, arms smuggling, human trafficking and smuggling, drug trafficking, refugee and migration flows and related financial flows; in close cooperation with the EU Counter-Terrorism Coordinator, contribute to the further implementation of the EU Counter-Terrorism Strategy;
  - (f) closely follow the humanitarian, political, security and development consequences of large scale refugee and migration flows and related illicit financial flows across the region; upon request, engage in dialogues on migration with relevant stakeholders and contribute more generally to the Union's policy on migration and refugees with respect to the region, in line with the Union's political priorities, in order to increase cooperation including on return and readmission; work with countries of the Sahel to follow up action agreed at the Valetta Summit in November 2015, including the EU Emergency Trust Fund for Stability and Addressing Root Causes of Irregular Migration and Displaced Persons in Africa, and in connection with the Partnership Frameworks;
  - (g) maintain regular high-level political contacts with the countries in the region affected by terrorism and international crime and ensure the Union's key role in international efforts to fight terrorism and international crime. This includes the Union's efforts to enhance its support to the security sector through the regionalisation of the CSDP missions and active support to regional capacity building, and ensuring that the root causes of terrorism and international crime in the Sahel are adequately addressed;

- (h) closely follow the political, security and development consequences of humanitarian crises in the region;
  - (i) with regard to Mali, contribute to the stabilisation of the country, in particular a full return to constitutional normalcy and governance throughout the territory and a credible national inclusive dialogue in the overall framework of the Mali Peace Agreement. This also includes promoting institution building, security sector reform and long-term peace building and reconciliation and fighting against corruption and impunity in Mali, as well as facilitating active and fully coordinated Union's efforts to promote a swift implementation of the Mali Peace Agreement;
  - (j) contribute to the implementation of the Union's human rights policy in the region in cooperation with the EUSR for Human Rights, including the EU Guidelines on human rights, in particular the EU Guidelines on Children and Armed Conflict, as well as on violence against women and girls and combating all forms of discrimination against them, and the Union's policy on Women, Peace and Security, and promote inclusiveness and gender equality in the state building process, in line with the UN Security Council Resolution 1325 (2000) and subsequent resolutions on Women, Peace and Security, including Resolution 2242 (2015). The contribution will include monitoring and reporting on developments, as well as formulating recommendations in this regard and maintaining regular contacts with the relevant authorities in Mali and in the region, the Office of the Prosecutor of the International Criminal Court, the Office of the High Commissioner for Human Rights and the human rights defenders and observers in the region;
  - (k) follow up and report on compliance with relevant UN Security Council Resolutions (UNSCRs), in particular UNSCRs 2056 (2012), 2071 (2012), 2085 (2012), 2100 (2013) and 2295 (2016).
2. For the purpose of the fulfilment of the mandate, the EUSR shall, *inter alia*:
- (a) advise and report on the formulation of Union positions in regional and international fora, as appropriate, in order to proactively promote and strengthen the Union's comprehensive approach towards the crisis in the Sahel;
  - (b) maintain an overview and facilitate full coordination of all activities of the Union and cooperate closely with relevant Union delegations.

#### Article 4

### Implementation of the mandate

1. The EUSR shall be responsible for the implementation of the mandate acting under the authority of the HR.
2. The Political and Security Committee (PSC) shall maintain a privileged link with the EUSR and shall be the EUSR's primary point of contact with the Council. The PSC shall provide the EUSR with strategic guidance and political direction within the framework of the mandate, without prejudice to the powers of the HR.
3. The EUSR shall work in close coordination with the EEAS and its relevant departments, in particular with the Africa Department.

#### Article 5

### Financing

1. The financial reference amount intended to cover the expenditure related to the EUSR's mandate for the period from 1 March 2017 to 30 June 2018 shall be EUR 1 840 000.

2. The expenditure shall be managed in accordance with the procedures and rules applicable to the general budget of the Union.
3. The management of the expenditure shall be subject to a contract between the EUSR and the Commission. The EUSR shall be accountable to the Commission for all expenditure.

#### *Article 6*

### **Constitution and composition of the team**

1. Within the limits of the EUSR's mandate and the corresponding financial means made available, the EUSR shall be responsible for constituting a team. The team shall include the expertise on specific policy and security issues as required by the mandate. The EUSR shall keep the Council and the Commission promptly informed of the composition of the team.
2. Member States, institutions of the Union and the EEAS may propose the secondment of staff to work with the EUSR. The salary of such seconded personnel shall be covered by the sending Member State, the sending institution of the Union or the EEAS, respectively. Experts seconded by Member States to the institutions of the Union or the EEAS may also be posted to work with the EUSR.
3. All seconded personnel shall remain under the administrative authority of the sending Member State, the sending institution of the Union or the EEAS, respectively, and shall carry out their duties and act in the interest of the EUSR's mandate.
4. The EUSR's staff shall be co-located within the relevant EEAS departments or Union delegations in order to ensure coherence and consistency of their respective activities.

#### *Article 7*

### **Privileges and immunities of the EUSR and of the EUSR's staff**

The privileges, immunities and further guarantees necessary for the completion and smooth functioning of the EUSR's mission and the members of the EUSR's staff shall be agreed with the host countries, as appropriate. Member States and the EEAS shall grant all necessary support to such effect.

#### *Article 8*

### **Security of EU classified information**

The EUSR and the members of the EUSR's team shall respect the security principles and minimum standards established by Council Decision 2013/488/EU <sup>(1)</sup>.

#### *Article 9*

### **Access to information and logistical support**

1. Member States, the Commission, the EEAS and the General Secretariat of the Council shall ensure that the EUSR is given access to any relevant information.

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<sup>(1)</sup> Council Decision 2013/488/EU of 23 September 2013 on the security rules for protecting EU classified information (OJ L 274, 15.10.2013, p. 1).

2. The Union delegations in the region and/or Member States, as appropriate, shall provide logistical support in the region.

#### *Article 10*

#### **Security**

In accordance with the Union's policy on the security of personnel deployed outside the Union in an operational capacity under Title V of the Treaty, the EUSR shall take all reasonably practicable measures, in accordance with the EUSR's mandate and on the basis of the security situation in the area of responsibility, for the security of all personnel under the EUSR's direct authority, in particular by:

- (a) establishing a specific security plan based on guidance from the EEAS, including specific physical, organisational and procedural security measures, governing the management of the secure movement of personnel to, and within, the area of responsibility, as well as management of security incidents, and providing for a contingency and evacuation plan;
- (b) ensuring that all personnel deployed outside the Union are covered by high-risk insurance, as required by the conditions in the area of responsibility;
- (c) ensuring that all members of the EUSR's team to be deployed outside the Union, including locally contracted personnel, have received appropriate security training before or upon arriving in the area of responsibility, based on the risk ratings assigned to that area by the EEAS;
- (d) ensuring that all agreed recommendations made following regular security assessments are implemented, and providing the Council, the HR and the Commission with written reports on their implementation and on other security issues within the framework of the progress report and the report on the implementation of the mandate.

#### *Article 11*

#### **Reporting**

1. The EUSR shall regularly provide the HR and the PSC with oral and written reports. The EUSR shall also report to Council working parties, as necessary. Regular reports shall be circulated through the COREU network. The EUSR may provide the Foreign Affairs Council with reports. In accordance with Article 36 of the Treaty, the EUSR may be involved in briefing the European Parliament.

2. The EUSR shall report on the best way of pursuing Union initiatives, such as the contribution of the Union to reforms, and including the political aspects of relevant Union development projects, in coordination with Union delegations in the region.

#### *Article 12*

#### **Coordination**

1. In the framework of the Strategy and its RAP, the EUSR shall contribute to the unity, consistency and effectiveness of the Union's political and diplomatic action and shall help ensure that all Union instruments and Member States' actions are engaged consistently, to attain the Union's policy objectives.

2. The activities of the EUSR shall be coordinated with those of Union delegations and of the Commission, as well as those of other EUSRs active in the region. The EUSR shall provide Member States' missions and Union delegations in the region with regular briefings.

3. In the field, close liaison shall be maintained with the relevant Heads of Member States' missions and of the Union delegations. The EUSR, in close coordination with the relevant Union delegations, shall provide the Heads of Missions of EUCAP Sahel Niger and of EUCAP Sahel Mali and the Mission Commander of EUTM Mali with local political guidance. The EUSR, the Mission Commander of EUTM Mali and the Civilian Operations Commanders of EUCAP Sahel Niger and of EUCAP Sahel Mali shall consult each other as required.

*Article 13*

**Assistance in relation to claims**

The EUSR and the EUSR's staff shall assist in providing elements to respond to any claims and obligations arising from the mandates of the previous EUSRs for the Sahel, and shall provide administrative assistance and access to relevant files for such purposes.

*Article 14*

**Review**

The implementation of this Decision and its consistency with other contributions from the Union to the region shall be kept under regular review. The EUSR shall present the Council, the HR and the Commission with a progress report by 30 September 2017 and a comprehensive mandate implementation report by 31 March 2018.

*Article 15*

**Entry into force**

This Decision shall enter into force on the date of its adoption.

Done at Brussels, 17 February 2017.

*For the Council*  
*The President*  
E. BARTOLO

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**COMMISSION IMPLEMENTING DECISION (EU) 2017/302****of 15 February 2017****establishing best available techniques (BAT) conclusions, under Directive 2010/75/EU of the European Parliament and of the Council, for the intensive rearing of poultry or pigs***(notified under document C(2017) 688)***(Text with EEA relevance)**

THE EUROPEAN COMMISSION,

Having regard to the Treaty on the Functioning of the European Union,

Having regard to Directive 2010/75/EU of the European Parliament and of the Council of 24 November 2010 on industrial emissions (integrated pollution prevention and control) <sup>(1)</sup>, and in particular Article 13(5) thereof,

Whereas:

- (1) Best available techniques (BAT) conclusions are the reference for setting permit conditions for installations covered by Chapter II of Directive 2010/75/EU and competent authorities should set emission limit values which ensure that, under normal operating conditions, emissions do not exceed the emission levels associated with the best available techniques as laid down in the BAT conclusions.
- (2) The forum composed of representatives of Member States, the industries concerned and non-governmental organisations promoting environmental protection, established by Commission Decision of 16 May 2011 <sup>(2)</sup>, provided the Commission on 19 October 2015 with its opinion on the proposed content of the BAT reference document for the intensive rearing of poultry or pigs. That opinion is publicly available.
- (3) The BAT conclusions set out in the Annex to this Decision are the key element of that BAT reference document.
- (4) The measures provided for in this Decision are in accordance with the opinion of the Committee established by Article 75(1) of Directive 2010/75/EU,

HAS ADOPTED THIS DECISION:

*Article 1*

The best available techniques (BAT) conclusions for the intensive rearing of poultry or pigs, as set out in the Annex, are adopted.

*Article 2*

This Decision is addressed to the Member States.

Done at Brussels, 15 February 2017.

*For the Commission*  
Karmenu VELLA  
*Member of the Commission*

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<sup>(1)</sup> OJ L 334, 17.12.2010, p. 17.

<sup>(2)</sup> OJ C 146, 17.5.2011, p. 3.

## ANNEX

**BAT CONCLUSIONS FOR THE INTENSIVE REARING OF POULTRY OR PIGS**

## SCOPE

These BAT conclusions concern the following activities specified in Section 6.6 of Annex I to Directive 2010/75/EU, namely '6.6. Intensive rearing of poultry or pigs':

- (a) with more than 40 000 places for poultry
- (b) with more than 2 000 places for production pigs (over 30 kg), or
- (c) with more than 750 places for sows.

In particular, these BAT conclusions cover the following on-farm processes and activities:

- nutritional management of poultry and pigs;
- feed preparation (milling, mixing and storage);
- rearing (housing) of poultry and pigs;
- collection and storage of manure;
- processing of manure;
- manure landspreading;
- storage of dead animals.

These BAT conclusions do not address the following processes or activities:

- disposal of dead animals; this may be covered in the BAT conclusions on Slaughterhouses and Animal By-products Industries (SA).

Other BAT conclusions and reference documents which are of relevance for the activities covered by these BAT conclusions are the following:

Reference documents	Activity
Waste Incineration (WI)	Incineration of manure
Waste Treatment Industries (WT)	Composting and anaerobic digestion of manure
Monitoring of emissions from IED-installations (ROM)	Monitoring of emissions to air and water
Economics and Cross-media Effects (ECM)	Economics and cross-media effects of techniques
Emissions from Storage (EFS)	Storage and handling of materials
Energy Efficiency (ENE)	General aspects of energy efficiency
Food, Drink and Milk Industries (FDM)	Feed production

Where these BAT conclusions address manure storage and landspreading, this is without prejudice to the provisions of Council Directive 91/676/EEC <sup>(1)</sup>.

<sup>(1)</sup> Council Directive 91/676/EEC of 12 December 1991 concerning the protection of waters against pollution caused by nitrates from agricultural sources (OJ L 375, 31.12.1991, p. 1).

Where these BAT conclusions address the storage and disposal of dead animals and manure processing and landspreading this is without prejudice to the provisions of Regulation (EC) No 1069/2009 of the European Parliament and of the Council <sup>(1)</sup>.

These BAT conclusions apply without prejudice to other relevant legislation, e.g. on animal welfare.

#### DEFINITIONS

For the purposes of these BAT conclusions, the following definitions apply.

Term used	Definition
Ad libitum	The provision of free access to feed or water thereby allowing the animal to self-regulate intake according to its biological needs.
Animal place	Space provided per animal in a housing system taking into account the maximum capacity of the plant.
Conservation tillage	Any method of soil cultivation that leaves the previous year's crop residue (such as corn stalks or wheat stubble) on fields before and after planting the next crop, to reduce soil erosion and run-off.
Existing farm	A farm which is not a new farm.
Existing plant	A plant which is not a new plant.
Farm	An installation as defined in Article 3(3) of Directive 2010/75/EU where pigs or poultry are reared.
Manure	Slurry and/or solid manure.
New farm	A farm first permitted following the publication of these BAT conclusions or a complete replacement of a farm following the publication of these BAT conclusions.
New plant	A plant first permitted at the site of the farm following the publication of these BAT conclusions or a complete replacement of a plant on the existing foundations, following the publication of these BAT conclusions.
Plant	A part of the farm where one of the following processes or activities is carried out: animal housing, manure storage, manure processing. A plant consists of a single building (or facility) and/or the necessary equipment to carry out processes or activities.
Sensitive receptor	Area which need special protection from nuisance, such as: <ul style="list-style-type: none"> <li>— Residential areas.</li> <li>— Areas where human activities are carried out (e.g. schools, day care centres, recreational areas, hospitals or nursing homes).</li> <li>— Sensitive ecosystems/habitats.</li> </ul>
Slurry	Faeces and urine mixed or not with some litter material and some water to give a liquid manure with a dry matter content up to about 10 % that flows under gravity and can be pumped.

<sup>(1)</sup> Regulation (EC) No 1069/2009 of the European Parliament and of the Council of 21 October 2009 laying down health rules as regards animal by-products and derived products not intended for human consumption and repealing Regulation (EC) No 1774/2002 (Animal by-products Regulation) (OJ L 300, 14.11.2009, p. 1).

Term used	Definition
Solid manure	Faeces or droppings and urine mixed or not with litter material that do not flow under gravity and cannot be pumped.
Total ammoniacal nitrogen	Ammonium-N ( $\text{NH}_4\text{-N}$ ) and its compounds, including uric acid, which are readily broken down to $\text{NH}_4\text{-N}$ .
Total nitrogen	Total nitrogen, expressed as N, includes free ammonia and ammonium ( $\text{NH}_4\text{-N}$ ), nitrites ( $\text{NO}_2\text{-N}$ ), nitrates ( $\text{NO}_3\text{-N}$ ) and organic nitrogen compounds.
Total nitrogen excreted	Total nitrogen eliminated from animal metabolic processes through urine and faeces.
Total phosphorus	Total phosphorus, expressed as $\text{P}_2\text{O}_5$ , includes all inorganic and organic phosphorus compounds, dissolved or bound to particles.
Total phosphorus excreted	Total phosphorus eliminated from animal metabolic processes through urine and faeces.
Waste water	Rainwater run-off commonly mixed with manure, water derived from the cleaning of surfaces (e.g. floors) and equipment, and water derived from the operation of air cleaning systems. This may also be referred to as soiled water.

#### Definitions for certain animal categories

Term used	Definition
Breeders	Parent stock (males and females) kept to lay eggs for hatching.
Broilers	Chickens reared for meat production.
Broiler breeders	Parent stock (males and females) kept to lay eggs for broilers production.
Farrowing sows	Sows between the perinatal period and the weaning of the piglets.
Fattening pigs	Production pigs typically reared from a live weight of 30 kg to slaughter or first service. This category includes growers, finishers and gilts that have not been serviced.
Gestating sows	Pregnant sows, including gilts.
Laying hens	Grown female chickens for egg production after 16 to 20 weeks of age.
Mating sows	Sows ready for service and before gestation.
Pig	An animal of the porcine species of any age, kept for breeding or fattening.
Piglets	Pigs from birth to weaning.
Poultry	Fowl (chickens), turkeys, guinea fowl, ducks, geese, quails, pigeons, pheasants and partridges reared or kept in captivity for breeding, the production of meat or eggs for consumption, or for restocking supplies of game.

Term used	Definition
Pullets	Young chickens below the age for laying eggs. When reared for egg production a pullet becomes a laying hen when it begins to lay eggs at 16 to 20 weeks of age. When reared for breeding, young female and male chickens are defined as pullets until 20 weeks of age.
Sows	Female pigs during the rearing periods of mating, gestating and farrowing.
Weaners	Young pigs reared from weaning until fattening, typically reared from a live weight of around 8 kg to 30 kg.

#### GENERAL CONSIDERATIONS

The techniques listed and described in these BAT conclusions are neither prescriptive nor exhaustive. Other techniques may be used that ensure at least an equivalent level of environmental protection.

Unless otherwise stated, the BAT conclusions are generally applicable.

Unless otherwise stated, emission levels associated with the best available techniques (BAT-AELs) for emissions to air given in these BAT conclusions refer to the mass of substances emitted per animal place, for all rearing cycles carried out during one year (i.e. kg substance/animal place/year).

All values for concentrations expressed as mass of emitted substance per volume in air refer to standard conditions (dry gas at a temperature of 273,15 K, and a pressure of 101,3 kPa).

#### 1. GENERAL BAT CONCLUSIONS

The sector-specific or process-specific BAT conclusions included in Sections 2 and 3 apply in addition to these general BAT conclusions.

##### 1.1. Environmental management systems (EMS)

BAT 1. In order to improve the overall environmental performance of farms, BAT is to implement and adhere to an environmental management system (EMS) that incorporates all of the following features:

1. commitment of the management, including senior management;
2. definition, by the management, of an environmental policy that includes the continuous improvement of the environmental performance of the installation;
3. planning and establishing the necessary procedures, objectives and targets, in conjunction with financial planning and investment;
4. implementation of procedures paying particular attention to:
  - (a) structure and responsibility;
  - (b) training, awareness and competence;
  - (c) communication;
  - (d) employee involvement;
  - (e) documentation;
  - (f) effective process control;
  - (g) maintenance programmes;
  - (h) emergency preparedness and response;
  - (i) safeguarding compliance with environmental legislation.

5. checking performance and taking corrective action, paying particular attention to:
  - (a) monitoring and measurement (see also the JRC Reference Report on Monitoring of emissions from IED installations — ROM);
  - (b) corrective and preventive action;
  - (c) maintenance of records;
  - (d) independent (where practicable) internal or external auditing in order to determine whether or not the EMS conforms to planned arrangements and has been properly implemented and maintained;
6. review of the EMS and its continuing suitability, adequacy and effectiveness by senior management;
7. following the development of cleaner technologies;
8. consideration for the environmental impacts from the eventual decommissioning of the installation at the stage of designing a new plant, and throughout its operating life;
9. application of sectoral benchmarking (e.g. EMAS Sectoral Reference Document) on a regular basis.
 

Specifically for the intensive poultry or pig rearing sector, BAT is also to incorporate the following features in the EMS:
10. implementation of a noise management plan (see BAT 9);
11. implementation of an odour management plan (see BAT 12).

*Technical considerations relevant to applicability*

The scope (e.g. level of detail) and nature of the EMS (e.g. standardised or non-standardised) is related to the nature, scale and complexity of the farm, and the range of environmental impacts it may have.

## 1.2. Good housekeeping

BAT 2. In order to prevent or reduce the environmental impact and improve overall performance, BAT is to use all the techniques given below.

	Technique	Applicability
a	Proper location of the plant/farm and spatial arrangements of the activities in order to: <ul style="list-style-type: none"> <li>— reduce transport of animals and materials (including manure);</li> <li>— ensure adequate distances from sensitive receptors requiring protection;</li> <li>— take into account prevailing climatic conditions (e.g. wind and precipitation);</li> <li>— consider the potential future development capacity of the farm;</li> <li>— prevent the contamination of water.</li> </ul>	May not be generally applicable to existing plants/farms.
b	Educate and train staff, in particular for: <ul style="list-style-type: none"> <li>— relevant regulations, livestock farming, animal health and welfare, manure management, worker safety;</li> <li>— manure transport and landspreading;</li> <li>— planning of activities;</li> <li>— emergency planning and management;</li> <li>— repair and maintenance of equipment.</li> </ul>	Generally applicable.

	Technique	Applicability
c	<p>Prepare an emergency plan for dealing with unexpected emissions and incidents such as pollution of water bodies. This can include:</p> <ul style="list-style-type: none"> <li>— a plan of the farm showing the drainage systems and water/effluent sources;</li> <li>— plans of action for responding to certain potential events (e.g. fires, leaking or collapsing of slurry stores, uncontrolled run-off from manure heaps, oil spillages);</li> <li>— available equipment for dealing with a pollution incident (e.g. equipment for plugging land drains, damming ditches, scum boards for oil spillages).</li> </ul>	Generally applicable.
d	<p>Regularly check, repair and maintain structures and equipment, such as:</p> <ul style="list-style-type: none"> <li>— slurry stores for any sign of damage, degradation, leakage;</li> <li>— slurry pumps, mixers, separators, irrigators;</li> <li>— water and feed supply systems;</li> <li>— ventilation system and temperature sensors;</li> <li>— silos and transport equipment (e.g. valves, tubes);</li> <li>— air cleaning systems (e.g. by regular inspections).</li> </ul> <p>This can include cleanliness of the farm and pest management.</p>	Generally applicable.
e	<p>Store dead animals in such a way as to prevent or reduce emissions.</p>	Generally applicable.

### 1.3. Nutritional management

BAT 3. In order to reduce total nitrogen excreted and consequently ammonia emissions while meeting the nutritional needs of the animals, BAT is to use a diet formulation and nutritional strategy which includes one or a combination of the techniques given below.

	Technique (1)	Applicability
a	<p>Reduce the crude protein content by using an N-balanced diet based on the energy needs and digestible amino acids.</p>	Generally applicable.
b	<p>Multiphase feeding with a diet formulation adapted to the specific requirements of the production period.</p>	Generally applicable.
c	<p>Addition of controlled amounts of essential amino acids to a low crude protein diet.</p>	Applicability may be restricted when low-protein feedstuffs are not economically available. Synthetic amino acids are not applicable to organic livestock production.

	Technique <sup>(1)</sup>	Applicability
d	Use of authorised feed additives which reduce the total nitrogen excreted.	Generally applicable.

<sup>(1)</sup> A description of the techniques is given in Section 4.10.1. Information on the effectiveness of the techniques for ammonia emission reduction can be taken from recognised European or international guidance e.g. UNECE guidance document on 'Options for ammonia mitigation'.

Table 1.1

**BAT-associated total nitrogen excreted**

Parameter	Animal category	BAT-associated total nitrogen excreted <sup>(1)</sup> <sup>(2)</sup> (kg N excreted/animal place/year)
Total nitrogen excreted, expressed as N.	Weaners	1,5-4,0
	Fattening pigs	7,0-13,0
	Sows (including piglets)	17,0-30,0
	Laying hens	0,4-0,8
	Broilers	0,2-0,6
	Ducks	0,4-0,8
	Turkeys	1,0-2,3 <sup>(3)</sup>

<sup>(1)</sup> The lower end of the range can be achieved by using a combination of techniques.

<sup>(2)</sup> The BAT-associated total nitrogen excreted is not applicable to pullets or breeders, for all poultry species.

<sup>(3)</sup> The upper end of the range is associated with the rearing of male turkeys.

The associated monitoring is in BAT 24. The BAT-associated total nitrogen excreted levels may not be applicable to organic livestock production and to the rearing of poultry species not indicated above.

BAT 4. In order to reduce the total phosphorus excreted, while meeting the nutritional needs of the animals, BAT is to use a diet formulation and a nutritional strategy which includes one or a combination of the techniques given below.

	Technique <sup>(1)</sup>	Applicability
a	Multiphase feeding with a diet formulation adapted to the specific requirements of the production period.	Generally applicable.
b	Use of authorised feed additives which reduce the total phosphorus excreted (e.g. phytase).	Phytase may not be applicable in case of organic livestock production.
c	Use of highly digestible inorganic phosphates for the partial replacement of conventional sources of phosphorus in the feed.	Generally applicable within the constraints associated with the availability of highly digestible inorganic phosphates.

<sup>(1)</sup> A description of the techniques is given in Section 4.10.2.

Table 1.2

**BAT-associated total phosphorus excreted**

Parameter	Animal category	BAT-associated total phosphorus excreted <sup>(1)</sup> <sup>(2)</sup> (kg P <sub>2</sub> O <sub>5</sub> excreted/animal place/year)
Total phosphorus excreted, expressed as P <sub>2</sub> O <sub>5</sub> ,	Weaners	1,2-2,2
	Fattening pigs	3,5-5,4
	Sows (including piglets)	9,0-15,0
	Laying hens	0,10-0,45
	Broilers	0,05-0,25
	Turkeys	0,15-1,0

<sup>(1)</sup> The lower end of the range can be achieved by using a combination of techniques.

<sup>(2)</sup> The BAT-associated total phosphorus excreted is not applicable to pullets or breeders, for all poultry species.

The associated monitoring is in BAT 24. The BAT-associated total phosphorus excreted levels may not be applicable to organic livestock production and to the rearing of poultry species not indicated above.

#### 1.4. Efficient use of water

BAT 5. In order to use water efficiently, BAT is to use a combination of the techniques given below.

	Technique	Applicability
a	Keep a record of water use.	Generally applicable.
b	Detect and repair water leakages.	Generally applicable.
c	Use high-pressure cleaners for cleaning animal housing and equipment.	Not applicable to poultry plants using dry cleaning systems.
d	Select and use suitable equipment (e.g. nipple drinkers, round drinkers, water troughs) for the specific animal category while ensuring water availability ( <i>ad libitum</i> ).	Generally applicable.
e	Verify and (if necessary) adjust on a regular basis the calibration of the drinking water equipment.	Generally applicable.
f	Reuse uncontaminated rainwater as cleaning water.	May not be applicable to existing farms, due to high costs. Applicability may be restricted by biosecurity risks.

### 1.5. Emissions from waste water

BAT 6. In order to reduce the generation of waste water, BAT is to use a combination of the techniques given below.

	Technique <sup>(1)</sup>	Applicability
a	Keep the fouled yard areas as small as possible.	Generally applicable.
b	Minimise use of water.	Generally applicable.
c	Segregate uncontaminated rainwater from waste water streams that require treatment.	May not be applicable to existing farms.

<sup>(1)</sup> A description of the technique is given in Section 4.1.

BAT 7. In order to reduce emissions to water from waste water, BAT is to use one or a combination of the techniques given below.

	Technique <sup>(1)</sup>	Applicability
a	Drain waste water to a dedicated container or to a slurry store.	Generally applicable.
b	Treat waste water.	Generally applicable.
c	Landspreading of waste water e.g. by using an irrigation system such as sprinkler, travelling irrigator, tanker, umbilical injector.	Applicability may be restricted due to the limited availability of suitable land adjacent to the farm. Applicable only for waste water with a proven low level of contamination.

<sup>(1)</sup> A description of the techniques is given in Section 4.1.

### 1.6. Efficient use of energy

BAT 8. In order to use energy efficiently in a farm, BAT is to use a combination of the techniques given below.

	Technique <sup>(1)</sup>	Applicability
a	High efficiency heating/cooling and ventilation systems.	May not be applicable to existing plants.
b	Optimisation of heating/cooling and ventilation systems and management, especially where air cleaning systems are used.	Generally applicable.
c	Insulation of the walls, floors and/or ceilings of animal housing.	May not be applicable to plants using natural ventilation. Insulation may not be applicable to existing plants due to structural restrictions.
d	Use of energy-efficient lighting.	Generally applicable.

	Technique <sup>(1)</sup>	Applicability
e	Use of heat exchangers. One of the following systems may be used: 1. air-air; 2. air-water; 3. air-ground.	Air-ground heat exchangers are only applicable when there is available space due to the need for a large soil surface.
f	Use of heat pumps for heat recovery.	The applicability of heat pumps based on geothermal heat recovery is limited when using horizontal pipes due to the need for space availability.
g	Heat recovery with heated and cooled littered floor (combideck system).	Not applicable to pig plants. Applicability depends on the possibility to install closed underground storage for the circulating water.
h	Apply natural ventilation.	Not applicable to plants with a centralised ventilation system. In pig plants, this may not be applicable to: — housing systems with littered floors in warm climates; — housing systems without littered floors or without covered, insulated boxes (e.g. kennels) in cold climates. In poultry plants, this may not be applicable: — during the initial stage of rearing, apart from duck production; — due to extreme climate conditions.

<sup>(1)</sup> A description of the techniques is given in Section 4.2.

### 1.7. Noise emissions

BAT 9. In order to prevent or, where that is not practicable, to reduce noise emissions, BAT is to set up and implement a noise management plan, as part of the environmental management system (see BAT 1), that includes the following elements:

- i. a protocol containing appropriate actions and timelines;
- ii. a protocol for conducting noise monitoring;
- iii. a protocol for response to identified noise events;
- iv. a noise reduction programme designed to e.g. identify the source(s), to monitor noise emissions, to characterise the contributions of the sources and to implement elimination and/or reduction measures;
- v. a review of historical noise incidents and remedies and the dissemination of noise incident knowledge.

#### *Applicability*

BAT 9 is only applicable to cases where a noise nuisance at sensitive receptors is expected and/or has been substantiated.

BAT 10. In order to prevent, or where that is not practicable, to reduce noise emissions, BAT is to use one or a combination of the techniques given below.

	Technique	Description	Applicability
a	Ensure adequate distances between the plant/farm and the sensitive receptors.	At the planning stage of the plant/farm, adequate distances between the plant/farm and the sensitive receptors are ensured by applying minimum standard distances.	May not be generally applicable to existing plants/farms.
b	Equipment location.	Noise levels can be reduced by: <ul style="list-style-type: none"> <li>i. increasing the distance between the emitter and the receiver (by locating equipment as far away as practicable from sensitive receptors);</li> <li>ii. minimising the length of feed delivery pipes;</li> <li>iii. Locating feed bins and feed silos so as to minimise the movement of vehicles on the farm.</li> </ul>	In the case of existing plants, the relocation of equipment may be restricted by the lack of space or excessive costs.
c	Operational measures.	These include measures, such as: <ul style="list-style-type: none"> <li>i. closure of doors and major openings of the building, especially during feeding time, if possible;</li> <li>ii. equipment operation by experienced staff;</li> <li>iii. avoidance of noisy activities at night and during weekends, if possible;</li> <li>iv. provisions for noise control during maintenance activities;</li> <li>v. operate conveyers and augers full of feed, if possible;</li> <li>vi. keep outdoor scraped areas to a minimum in order to reduce noise from scraper tractors.</li> </ul>	Generally applicable.
d	Low-noise equipment.	This includes equipment, such as: <ul style="list-style-type: none"> <li>i. high efficiency fans, when natural ventilation is not possible or sufficient;</li> <li>ii. pumps and compressors;</li> <li>iii. feeding system which reduces the pre-feeding stimulus (e.g. holding hoppers, passive ad libitum feeders, compact feeders).</li> </ul>	BAT 7.d.iii is only applicable to pig plants. Passive <i>ad libitum</i> feeders are only applicable when the equipment is new or replaced or when animals do not require a restricted feeding.

	Technique	Description	Applicability
e	Noise-control equipment.	This includes: i. noise reducers; ii. vibration isolation; iii. enclosure of noisy equipment (e.g. mills, pneumatic conveyers); iv. soundproofing of buildings.	Applicability may be restricted due to space requirements, and health and safety issues.  Not applicable to noise-absorbent materials impeding the effective cleaning of the plant.
f	Noise abatement.	Noise propagation can be reduced by inserting obstacles between emitters and receivers.	May not be generally applicable due to biosecurity reasons.

### 1.8. Dust emissions

BAT 11. In order to reduce dust emissions from each animal house, BAT is to use one or a combination of the techniques given below.

	Technique (*)	Applicability
a	Reduce dust generation inside livestock buildings. For this purpose, a combination of the following techniques may be used:	
1.	1. Use coarser litter material (e.g. long straw or wood shavings rather than chopped straw);	Long straw is not applicable to slurry-based systems.
	2. Apply fresh litter using a low-dust littering technique (e.g. by hand);	Generally applicable.
	3. Apply <i>ad libitum</i> feeding;	Generally applicable.
	4. Use moist feed, pelleted feed or add oily raw materials or binders in dry feed systems;	Generally applicable.
	5. Equip dry feed stores which are filled pneumatically with dust separators;	Generally applicable.
	6. Design and operate the ventilation system with low air speed within the house.	Applicability may be limited by animal welfare considerations.
b	Reduce dust concentration inside housing by applying one of the following techniques:	
	1. Water fogging;	Applicability may be restricted by the animal sensation of thermal decrease during fogging, in particular at sensitive stages of the animal's life, and/or for cold and humid climates.  Applicability may be also restricted for solid manure systems at the end of the rearing period due to high ammonia emissions.

	Technique <sup>(1)</sup>	Applicability
	2. Oil spraying;	Only applicable to poultry plants with birds older than around 21 days. The applicability to plants for laying hens may be limited due to the risk of contamination of the equipment present in the shed.
	3. Ionisation.	May not be applicable to pig plants or to existing poultry plants due to technical and/or economic reasons.
c	Treatment of exhaust air by an air cleaning system, such as:	
	1. Water trap;	Only applicable to plants with a tunnel ventilation system.
	2. Dry filter;	Only applicable to poultry plants with a tunnel ventilation system.
	3. Water scrubber;	This technique may not be generally applicable due to the high implementation cost.
	4. Wet acid scrubber;	Applicable to existing plants only where a centralised ventilation system is used.
	5. Bioscrubber (or biotrickling filter);	
	6. Two-stage or three-stage air cleaning system;	
	7. Biofilter.	Only applicable to slurry-based plants. A sufficient area outside the animal house is needed to accommodate the filter packages. This technique may not be generally applicable due to the high implementation cost. Applicable to existing plants only where a centralised ventilation system is used.

<sup>(1)</sup> A description of the techniques is given in Sections 4.3 and 4.11.

### 1.9. Odour emissions

BAT 12. In order to prevent, or where that is not practicable, to reduce odour emissions from a farm, BAT is to set up, implement and regularly review an odour management plan, as part of the environmental management system (see BAT 1), that includes the following elements:

- i. a protocol containing appropriate actions and timelines;
- ii. a protocol for conducting odour monitoring;
- iii. a protocol for response to identified odour nuisance;
- iv. an odour prevention and elimination programme designed to e.g. identify the source(s), to monitor odour emissions (see BAT 26), to characterise the contributions of the sources and to implement elimination and/or reduction measures;
- v. a review of historical odour incidents and remedies and the dissemination of odour incident knowledge.

The associated monitoring is in BAT 26.

### Applicability

BAT 12 is only applicable to cases where an odour nuisance at sensitive receptors is expected and/or has been substantiated.

BAT 13. In order to prevent or, where that is not practicable, to reduce odour emissions and/or odour impact from a farm, BAT is to use a combination of the techniques given below.

	Technique (1)	Applicability
a	Ensure adequate distances between the farm/plant and the sensitive receptors.	May not be generally applicable to existing farms/plants.
b	Use a housing system which implements one or a combination of the following principles: <ul style="list-style-type: none"> <li>— keeping the animals and the surfaces dry and clean (e.g. avoid feed spillages, avoid dung in lying areas of partly slatted floors);</li> <li>— reducing the emitting surface of manure (e.g. use metal or plastic slats, channels with a reduced exposed manure surface);</li> <li>— removing manure frequently to an external (covered) manure store;</li> <li>— reducing the temperature of the manure (e.g. by slurry cooling) and of the indoor environment;</li> <li>— decreasing the air flow and velocity over the manure surface;</li> <li>— keeping the litter dry and under aerobic conditions in litter-based systems.</li> </ul>	Decreasing the temperature of the indoor environment, the air flow and the velocity may not be applicable due to animal welfare considerations. Slurry removal by flushing is not applicable to pig farms located close to sensitive receptors due to odour peaks. See applicability for animal housing in BAT 30, BAT 31, BAT 32, BAT 33 and BAT 34.
c	Optimise the discharge conditions of exhaust air from the animal house by using one or a combination of the following techniques: <ul style="list-style-type: none"> <li>— increasing the outlet height (e.g. exhaust air above roof level, stacks, divert air exhaust through the ridge instead of through the low part of the walls);</li> <li>— increasing the vertical outlet ventilation velocity;</li> <li>— effective placement of external barriers to create turbulence in the outgoing air flow (e.g. vegetation);</li> <li>— adding deflector covers in exhaust apertures located in low parts of walls in order to divert exhaust air towards the ground;</li> <li>— dispersing the exhaust air at the housing side which faces away from the sensitive receptor;</li> <li>— aligning the ridge axis of a naturally ventilated building transversally to the prevailing wind direction.</li> </ul>	Alignment of the ridge axis is not applicable to existing plants.

	Technique <sup>(1)</sup>	Applicability
d	Use an air cleaning system, such as: 1. Bioscrubber (or biotrickling filter); 2. Biofilter; 3. Two-stage or three-stage air cleaning system.	This technique may not be generally applicable due to the high implementation cost. Applicable to existing plants only where a centralised ventilation system is used. A biofilter is only applicable to slurry-based plants. For a biofilter, a sufficient area outside the animal house is needed to accommodate the filter packages.
e	Use one or a combination of the following techniques for storage of manure:	
	1. Cover slurry or solid manure during storage;	See applicability of BAT 16.b for slurry. See applicability of BAT 14.b for solid manure.
	2. Locate the store taking into account the general wind direction and/or adopt measures to reduce wind speed around and above the store (e.g. trees, natural barriers);	Generally applicable.
	3. Minimise stirring of slurry.	Generally applicable.
f	Process manure with one of the following techniques in order to minimise odour emissions during (or prior to) landspreading:	
	1. Aerobic digestion (aeration) of slurry;	See applicability of BAT 19.d.
	2. Compost solid manure;	See applicability of BAT 19.f.
	3. Anaerobic digestion.	See applicability of BAT 19.b.
g	Use one or a combination of the following techniques for manure landspreading:	
	1. Band spreader, shallow injector or deep injector for slurry landspreading;	See applicability of BAT 21.b, BAT 21.c or BAT 21.d.
	2. Incorporate manure as soon as possible.	See applicability of BAT 22.

<sup>(1)</sup> A description of the techniques is given in Sections 4.4 and 4.11.

### 1.10. Emissions from solid manure storage

BAT 14. In order to reduce ammonia emissions to air from the storage of solid manure, BAT is to use one or a combination of the techniques given below.

	Technique <sup>(1)</sup>	Applicability
a	Reduce the ratio between the emitting surface area and the volume of the solid manure heap.	Generally applicable.
b	Cover solid manure heaps.	Generally applicable when solid manure is dried or pre-dried in animal housing. May not be applicable to not dried solid manure in case of frequent addition to the heap.
c	Store dried solid manure in a barn.	Generally applicable.

<sup>(1)</sup> A description of the techniques is given in Section 4.5.

BAT 15. In order to prevent, or where that is not practicable, to reduce emissions to soil and water from the storage of solid manure, BAT is to use a combination of the techniques given below in the following order of priority.

	Technique <sup>(1)</sup>	Applicability
a	Store dried solid manure in a barn.	Generally applicable
b	Use a concrete silo for storage of solid manure.	Generally applicable.
c	Store solid manure on solid impermeable floor equipped with a drainage system and a collection tank for the run-off.	Generally applicable.
d	Select a storage facility with a sufficient capacity to hold the solid manure during periods in which landspreading is not possible.	Generally applicable.
e	Store solid manure in field heaps placed away from surface and/or underground watercourses which liquid run-off might enter.	Only applicable to temporary field heaps which change location each year.

<sup>(1)</sup> A description of the techniques is given in Section 4.5.

### 1.11. Emissions from slurry storage

BAT 16. In order to reduce ammonia emissions to air from a slurry store, BAT is to use a combination of the techniques given below.

	Technique <sup>(1)</sup>	Applicability
a	Appropriate design and management of the slurry store by using a combination of the following techniques:	

	Technique <sup>(1)</sup>	Applicability
	1. Reduce the ratio between the emitting surface area and the volume of the slurry store;	May not be generally applicable to existing stores. Excessively high slurry stores may not be applicable due to increased costs and safety risks.
	2. Reduce wind velocity and air exchange on the slurry surface by operating the store at a lower level of fill;	May not be generally applicable to existing stores.
	3. Minimise stirring of slurry.	Generally applicable.
b	Cover the slurry store. For this purpose, one of the following techniques may be used:	
	1. Rigid cover;	May not be applicable to existing plants due to economic considerations and structural limitations to withstand the extra load.
	2. Flexible covers;	Flexible covers are not applicable to areas where prevailing weather conditions can compromise their structure.
	3. Floating covers such as: <ul style="list-style-type: none"> <li>— plastic pellets;</li> <li>— light bulk materials;</li> <li>— floating flexible covers;</li> <li>— geometrical plastic tiles;</li> <li>— air-inflated cover;</li> <li>— natural crust;</li> <li>— straw.</li> </ul>	<p>The use of plastic pellets, light bulk materials and geometrical plastic tiles is not applicable to naturally crusting slurries.</p> <p>Agitation of the slurry during stirring, filling and emptying may preclude the use of some floating materials which may cause sedimentation or blockages in the pumps.</p> <p>Natural crust formation may not be applicable to cold climates and/or to slurry with low dry matter content.</p> <p>Natural crust is not applicable to stores where stirring, filling and/or discharging of slurry renders the natural crust unstable.</p>
c	Slurry acidification.	Generally applicable.

<sup>(1)</sup> A description of the techniques is given in Sections 4.6.1 and 4.12.3.

BAT 17. In order to reduce ammonia emissions to air from an earth-banked slurry store (lagoon), BAT is to use a combination of the techniques given below.

	Technique <sup>(1)</sup>	Applicability
a	Minimise stirring of the slurry.	Generally applicable.

	Technique <sup>(1)</sup>	Applicability
b	Cover the earth-banked slurry store (lagoon) with a flexible and/or floating cover such as: <ul style="list-style-type: none"> <li>— flexible plastic sheets;</li> <li>— light bulk materials;</li> <li>— natural crust;</li> <li>— straw.</li> </ul>	<p>Plastic sheets may not be applicable to large existing lagoons due to structural reasons.</p> <p>Straw and light bulk materials may not be applicable to large lagoons where wind drift does not permit the lagoon surface to be kept fully covered.</p> <p>The use of light bulk materials is not applicable to naturally crusting slurries.</p> <p>Agitation of the slurry during stirring, filling and emptying may preclude the use of some floating materials which may cause sedimentation or blockages in the pumps.</p> <p>Natural crust formation may not be applicable to cold climates and/or to slurry with low dry matter content.</p> <p>Natural crust is not applicable to lagoons where stirring, filling and/or discharging of slurry renders the natural crust unstable.</p>

<sup>(1)</sup> A description of the techniques is given in Section 4.6.1.

BAT 18. In order to prevent emissions to soil and water from slurry collection, piping, and from a store and/or an earth-banked storage (lagoon), BAT is to use a combination of the techniques given below.

	Technique <sup>(1)</sup>	Applicability
a	Use stores that are able to withstand mechanical, chemical and thermal influences.	Generally applicable.
b	Select a storage facility with a sufficient capacity to hold the slurry during periods in which land-spreading is not possible.	Generally applicable.
c	Construct leak-proof facilities and equipment for collection and transfer of slurry (e.g. pits, channels, drains, pump stations).	Generally applicable.
d	Store slurry in earth-banked stores (lagoons) with an impermeable base and walls e.g. with clay or plastic lining (or double-lined).	Generally applicable to lagoons.
e	Install a leakage detection system, e.g. consisting of a geomembrane, a drainage layer and a drainage pipe system.	Only applicable to new plants.
f	Check structural integrity of stores at least once every year.	Generally applicable.

<sup>(1)</sup> A description of the techniques is given in Section 3.1.1 and 4.6.2.

### 1.12. On farm processing of manure

BAT 19. If on-farm processing of manure is used, in order to reduce emissions of nitrogen, phosphorus, odour and microbial pathogens to air and water and facilitate manure storage and/or landspreading, BAT is to process the manure by applying one or a combination of the techniques given below.

	Technique <sup>(1)</sup>	Applicability
a	Mechanical separation of slurry. This includes e.g.: Screw press separator; — Decanter-centrifuge separator; — Coagulation-Flocculation; — Separation by sieves; — Filter pressing.	Only applicable when: — a reduction of nitrogen and phosphorus content is needed due to limited available land for manure application; — manure cannot be transported for landspreading at a reasonable cost.  The use of polyacrylamide as a flocculant may not be applicable due to the risk of acrylamide formation.
b	Anaerobic digestion of manure in a biogas installation.	This technique may not be generally applicable due to the high implementation cost.
c	Use of an external tunnel for manure drying.	Only applicable to manure from plants for laying hens. Not applicable to existing plants without manure belts.
d	Aerobic digestion (aeration) of slurry.	Only applicable when pathogen and odour reduction is important prior to landspreading. In cold climates, it may be difficult to maintain the required level of aeration during winter.
e	Nitrification-denitrification of slurry.	Not applicable to new plants/farms. Only applicable to existing plants/farms when the removal of nitrogen is necessary due to limited available land for manure application.
f	Composting of solid manure.	Only applicable when: — manure cannot be transported for landspreading at a reasonable cost; — pathogen and odour reduction is important prior to landspreading; — there is enough space in the farm for windrows to be established.

<sup>(1)</sup> A description of the techniques is given in Section 4.7.

### 1.13. Manure landspreading

BAT 20. In order to prevent or, where that is not practicable, to reduce emissions of nitrogen, phosphorus and microbial pathogens to soil and water from manure landspreading, BAT is to use all the techniques given below.

	Technique
a	Assess the manure receiving land to identify risks of run-off, taking into account: — soil type, conditions and slope of the field; — climatic conditions; — field drainage and irrigation; — crop rotations; — water resources and water protected zones.

	Technique
b	Keep sufficient distance between manure spreading fields (leaving an untreated strip of land) and: <ol style="list-style-type: none"> <li>1. areas where there is a risk of run-off to water such as watercourses, springs, boreholes, etc.;</li> <li>2. neighbouring properties (including hedges).</li> </ol>
c	Avoid manure spreading when the risk of run-off can be significant. In particular, manure is not applied when: <ol style="list-style-type: none"> <li>1. the field is flooded, frozen or snow-covered;</li> <li>2. soil conditions (e.g. water saturation or compaction) in combination with the slope of the field and/or field drainage are such that the risk of run-off or drainage is high;</li> <li>3. run-off can be anticipated according to expected rainfall events.</li> </ol>
d	Adapt the manure landspreading rate taking into account the nitrogen and phosphorus content of the manure and taking into account the characteristics of the soil (e.g. nutrient content), the seasonal crop requirements and weather or field conditions that could cause run-off.
e	Synchronize manure landspreading with the nutrient demand of crops.
f	Check the spreading fields at regular intervals to identify any sign of run-off and properly respond when necessary.
g	Ensure adequate access to the manure store and that loading of manure can be done effectively without spillage.
h	Check that machinery for manure landspreading is in good working order and set at the proper application rate.

BAT 21. In order to reduce ammonia emissions to air from slurry landspreading, BAT is to use one or a combination of the techniques given below.

	Technique (!)	Applicability
a	Slurry dilution, followed by techniques such as low-pressure water irrigation system.	Not applicable to crops grown to be eaten raw due to the risk of contamination. Not applicable when the soil type does not allow rapid infiltration of dilute slurry into the soil. Not applicable when crops do not require irrigation. Applicable to fields easily connected to the farm by pipework.
b	Band spreader, by applying one of the following techniques: <ol style="list-style-type: none"> <li>1. Trailing hose;</li> <li>2. Trailing shoe.</li> </ol>	Applicability may be limited when the straw content of the slurry is too high or when the dry matter content of the slurry is higher than 10 %. Trailing shoe is not applicable to growing solid-seeded arable crops.

	Technique <sup>(1)</sup>	Applicability
c	Shallow injector (open slot).	Not applicable on stony, shallow or compacted soil where it is difficult to achieve a uniform penetration. Applicability may be limited where crops may be damaged by machinery.
d	Deep injector (closed slot).	Not applicable on stony, shallow or compacted soil where it is difficult to achieve a uniform penetration and an effective slit closure. Not applicable during the vegetation of the crops. Not applicable on grassland, unless changing to arable land or when reseeding.
e	Slurry acidification.	Generally applicable.

<sup>(1)</sup> A description of the techniques is given in Sections 4.8.1 and 4.12.3.

BAT 22. In order to reduce ammonia emissions to air from manure landspreading, BAT is to incorporate the manure into the soil as soon as possible.

#### *Description*

Incorporation of manure spread on the soil surface is done by either ploughing or using other cultivation equipment, such as tines or disc harrows, depending on the soil type and conditions. Manure is completely mixed with soil or buried.

Solid manure spreading is carried out by a suitable spreader (e.g. rota-spreader, rear discharge spreader, dual-purpose spreader). Slurry landspreading is carried out according to BAT 21.

#### *Applicability*

Not applicable to grassland and conservation tillage, unless changing to arable land or when reseeding. Not applicable to cultivated land with crops that can be damaged by the incorporation of manure. Incorporation of slurry is not applicable after landspreading using shallow or deep injectors.

Table 1.3

#### **BAT-associated time delay between manure landspreading and incorporation into the soil**

Parameter	BAT-associated time delay between manure landspreading and incorporation into the soil (hours)
Time	0 <sup>(1)</sup> -4 <sup>(2)</sup>

<sup>(1)</sup> The lower end of the range corresponds to immediate incorporation.

<sup>(2)</sup> The upper end of the range can be up to 12 hours when conditions are not favourable for a faster incorporation, e.g. when human and machinery resources are not economically available.

#### 1.14. Emissions from the whole production process

BAT 23. In order to reduce ammonia emissions from the whole production process for the rearing of pigs (including sows) or poultry, BAT is to estimate or calculate the reduction of ammonia emissions from the whole production process using the BAT implemented on the farm.

### 1.15. Monitoring of emissions and process parameters

BAT 24. BAT is to monitor the total nitrogen and total phosphorus excreted in manure using one of the following techniques with at least the frequency given below.

	Technique <sup>(1)</sup>	Frequency	Applicability
a	Calculation by using a mass balance of nitrogen and phosphorus based on the feed intake, crude protein content of the diet, total phosphorus and animal performance.	Once every year for each animal category.	Generally applicable.
b	Estimation by using manure analysis for total nitrogen and total phosphorus content.		

<sup>(1)</sup> A description of the techniques is given in Section 4.9.1.

BAT 25. BAT is to monitor ammonia emissions to air using one of the following techniques with at least the frequency given below.

	Technique <sup>(1)</sup>	Frequency	Applicability
a	Estimation by using a mass balance based on the excretion and the total (or total ammoniacal) nitrogen present at each manure management stage.	Once every year for each animal category.	Generally applicable.
b	Calculation by measuring the ammonia concentration and the ventilation rate using ISO, national or international standard methods or other methods ensuring data of an equivalent scientific quality.	Every time there are significant changes to at least one of the following parameters: (a) the type of livestock reared at the farm; (b) the housing system.	Only applicable to emissions from each animal house. Not applicable to plants with an air cleaning system installed. In this case, BAT 28 applies. Due to the cost of measurements, this technique may not be generally applicable.
c	Estimation by using emission factors.	Once every year for each animal category.	Generally applicable.

<sup>(1)</sup> A description of the techniques is given in Section 4.9.2.

BAT 26. BAT is to periodically monitor odour emissions to air.

#### Description

Odour emissions can be monitored by using:

- EN standards (e.g. by using dynamic olfactometry according to EN 13725 in order to determine odour concentration).
- When applying alternative methods for which no EN standards are available (e.g. measurement/estimation of odour exposure, estimation of odour impact), ISO, national or other international standards that ensure the provision of data of an equivalent scientific quality can be used.

*Applicability*

BAT 26 is only applicable to cases where an odour nuisance at sensitive receptors is expected and/or has been substantiated.

BAT 27. BAT is to monitor dust emissions from each animal house using one of the following techniques with at least the frequency given below.

	Technique <sup>(1)</sup>	Frequency	Applicability
a	Calculation by measuring the dust concentration and the ventilation rate using EN standard methods or other methods (ISO, national or international) ensuring data of an equivalent scientific quality.	Once every year.	Only applicable to dust emissions from each animal house. Not applicable to plants with an air cleaning system installed. In this case, BAT 28 applies. Due to the cost of measurements, this technique may not be generally applicable.
b	Estimation by using emission factors.	Once every year.	Due to the cost of establishing emissions factors, this technique may not be generally applicable.

<sup>(1)</sup> A description of the techniques is given in Sections 4.9.1 and 4.9.2.

BAT 28. BAT is to monitor ammonia, dust and/or odour emissions from each animal house equipped with an air cleaning system by using all of the following techniques with at least the frequency given below.

	Technique <sup>(1)</sup>	Frequency	Applicability
a	Verification of the air cleaning system performance by measuring ammonia, odour and/or dust under practical farm conditions and according to a prescribed measurement protocol and using EN standard methods or other methods (ISO, national or international) ensuring data of an equivalent scientific quality.	Once	Not applicable if the air cleaning system has been verified in combination with a similar housing system and operating conditions.
b	Control of the effective function of the air cleaning system (e.g. by continuously recording operational parameters or using alarm systems).	Daily	Generally applicable.

<sup>(1)</sup> A description of the techniques is given in Section 4.9.3.

BAT 29. BAT is to monitor the following process parameters at least once every year.

	Parameter	Description	Applicability
a	Water consumption.	Recording using e.g. suitable meters or invoices. The main water-consuming processes in animal houses (cleaning, feeding, etc.) can be monitored separately.	Monitoring the main water-consuming processes separately may not be applicable to existing farms, depending on the configuration of the water supply network.

	Parameter	Description	Applicability
b	Electric energy consumption.	Recording using e.g. suitable meters or invoices. Electricity consumption of animal houses is monitored separately from other plants in the farm. The main energy-consuming processes in animal houses (heating, ventilation, lighting, etc.) can be monitored separately.	Monitoring the main energy-consuming processes separately may not be applicable to existing farms, depending on the configuration of the energy supply network.
c	Fuel consumption.	Recording using e.g. suitable meters or invoices.	Generally applicable.
d	Number of incoming and outgoing animals, including births and deaths when relevant.	Recording using e.g. existing registers.	
e	Feed consumption.	Recording using e.g. invoices or existing registers.	
f	Manure generation.	Recording using e.g. existing registers.	

## 2. BAT CONCLUSIONS FOR THE INTENSIVE REARING OF PIGS

### 2.1. Ammonia emissions from pig houses

BAT 30. In order to reduce ammonia emissions to air from each pig house, BAT is to use one or a combination of the techniques given below.

	Technique <sup>(1)</sup>	Animal category	Applicability
a	One of the following techniques, which apply one or a combination of the following principles: (i) reduce the ammonia emitting surface; (ii) increase the frequency of slurry (manure) removal to external storage; (iii) separate urine from faeces; (iv) keep litter clean and dry..		
	0. A deep pit (in case of a fully or partly slatted floor) only if used in combination with an additional mitigation measure, e.g.: — a combination of nutritional management techniques; — air cleaning system; — pH reduction of the slurry; — slurry cooling.	All pigs	Not applicable to new plants, unless a deep pit is combined with an air cleaning system, slurry cooling and/or pH reduction of the slurry.

	Technique (1)	Animal category	Applicability
	1. A vacuum system for frequent slurry removal (in case of a fully or partly slatted floor).	All pigs	May not be generally applicable to existing plants due to technical and/or economic considerations.
	2. Slanted walls in the manure channel (in case of a fully or partly slatted floor).	All pigs	
	3. A scraper for frequent slurry removal (in case of a fully or partly slatted floor).	All pigs	
	4. Frequent slurry removal by flushing (in case of a fully or partly slatted floor).	All pigs	<p>May not be generally applicable to existing plants due to technical and/or economic considerations.</p> <p>When the liquid fraction of the slurry is used for flushing, this technique may not be applicable to farms located close to sensitive receptors due to odour peaks during flushing.</p>
	5. Reduced manure pit (in case of a partly slatted floor).	Mating and gestating sows	May not be generally applicable to existing plants due to technical and/or economic considerations.
		Fattening pigs	
	6. Full litter system (in case of a solid concrete floor).	Mating and gestating sows	<p>Solid manure systems are not applicable to new plants unless it can be justified for animal welfare reasons.</p> <p>May not be applicable to naturally ventilated plants located in warm climates and to existing plants with forced ventilation for weaners and fattening pigs.</p> <p>BAT 30.a7 may require large space availability.</p>
		Weaners	
		Fattening pigs	
	7. Kennel/hut housing (in case of a partly slatted floor).	Mating and gestating sows	
		Weaners	
		Fattening pigs	
	8. Straw flow system (in case of a solid concrete floor).	Weaners	
		Fattening pigs	
	9. Convex floor and separated manure and water channels (in case of partly slatted pens).	Weaners	May not be generally applicable to existing plants due to technical and/or economic considerations.
		Fattening pigs	

	Technique <sup>(1)</sup>	Animal category	Applicability
	10. Littered pens with combined manure generation (slurry and solid manure).	Farrowing sows	Not applicable to existing plants without solid concrete floors.
	11. Feeding/lying boxes on solid floor (in case of litter-based pens).	Mating and gestating sows	
	12. Manure pan (in case of a fully or partly slatted floor).	Farrowing sows	Generally applicable.
	13. Manure collection in water.	Weaners	May not be generally applicable to existing plants due to technical and/or economic considerations.
		Fattening pigs	
	14. V-shaped manure belts (in case of partly slatted floor).	Fattening pigs	
	15. A combination of water and manure channels (in case of a fully slatted floor).	Farrowing sows	
	16. Littered external alley (in case of a solid concrete floor).	Fattening pigs	Not applicable to cold climates. May not be generally applicable to existing plants due to technical and/or economic considerations.
b	Slurry cooling.	All pigs	Not applicable when: — heat reuse is not possible; — litter is used.
c	Use of an air cleaning system, such as: 1. Wet acid scrubber; 2. Two-stage or three-stage air cleaning system; 3. Bioscrubber (or biotrickling filter).	All pigs	May not be generally applicable due to the high implementation cost. Applicable to existing plants only where a centralised ventilation system is used.
d	Slurry acidification.	All pigs	Generally applicable.
e	Use of floating balls in the manure channel.	Fattening pigs	Not applicable to plants equipped with pits that have slanted walls and to plants that apply slurry removal by flushing.

<sup>(1)</sup> A description of the techniques is given in Sections 4.11 and 4.12.

Table 2.1

**BAT-AEL for ammonia emissions to air from each pig house**

Parameter	Animal category	BAT-AEL <sup>(1)</sup> (kg NH <sub>3</sub> /animal place/year)
Ammonia expressed as NH <sub>3</sub>	Mating and gestating sows	0,2-2,7 <sup>(2)</sup> <sup>(3)</sup>
	Farrowing sows (including piglets) in crates	0,4-5,6 <sup>(4)</sup>
	Weaners	0,03-0,53 <sup>(5)</sup> <sup>(6)</sup>
	Fattening pigs	0,1-2,6 <sup>(7)</sup> <sup>(8)</sup>

<sup>(1)</sup> The lower end of the range is associated with the use of an air cleaning system.

<sup>(2)</sup> For existing plants using a deep pit in combination with nutritional management techniques, the upper end of the BAT-AEL is 4,0 kg NH<sub>3</sub>/animal place/year.

<sup>(3)</sup> For plants using BAT 30.a6, 30.a7 or 30.a11, the upper end of the BAT-AEL is 5,2 kg NH<sub>3</sub>/animal place/year.

<sup>(4)</sup> For existing plants using BAT 30.a0 in combination with nutritional management techniques, the upper end of the BAT-AEL is 7,5 kg NH<sub>3</sub>/animal place/year.

<sup>(5)</sup> For existing plants using a deep pit in combination with nutritional management techniques, the upper end of the BAT-AEL is 0,7 kg NH<sub>3</sub>/animal place/year.

<sup>(6)</sup> For plants using BAT 30.a6, 30.a7 or 30.a8, the upper end of the BAT-AEL is 0,7 kg NH<sub>3</sub>/animal place/year.

<sup>(7)</sup> For existing plants using a deep pit in combination with nutritional management techniques, the upper end of the BAT-AEL is 3,6 kg NH<sub>3</sub>/animal place/year.

<sup>(8)</sup> For plants using BAT 30.a6, 30.a7, 30.a8 or 30.a16, the upper end of the BAT-AEL is 5,65 kg NH<sub>3</sub>/animal place/year.

The BAT-AELs may not be applicable to organic livestock production. The associated monitoring is in BAT 25.

### 3. BAT CONCLUSIONS FOR THE INTENSIVE REARING OF POULTRY

#### 3.1. Ammonia emissions from poultry houses

##### 3.1.1. Ammonia emissions from houses for laying hens, broiler breeders or pullets

BAT 31. In order to reduce ammonia emissions to air from each house for laying hens, broiler breeders or pullets, BAT is to use one or a combination of the techniques given below.

	Technique <sup>(1)</sup>	Applicability
a	Manure removal by belts (in case of enriched or unenriched cage systems) with at least: — one removal per week with air drying; or — two removals per week without air drying.	Enriched cage systems are not applicable to pullets and broiler breeders. Unenriched cage systems are not applicable to laying hens.
b	In case of non-cage systems:	
	0. Forced ventilation system and infrequent manure removal (in case of deep litter with a manure pit) only if used in combination with an additional mitigation measure, e.g.: — achieving a high dry matter content of the manure; — an air cleaning system.	Not applicable to new plants, unless combined with an air cleaning system.

	Technique <sup>(1)</sup>	Applicability
	1. Manure belt or scraper (in case of deep litter with a manure pit).	Applicability to existing plants may be limited by the requirement for a complete revision of the housing system.
	2. Forced air drying of manure via tubes (in case of deep litter with a manure pit)	The technique can be applied only to plants with sufficient space underneath the slats.
	3. Forced air drying of manure using perforated floor (in case of deep litter with a manure pit).	Due to high implementation costs, applicability to existing plants may be limited.
	4. Manure belts (in case of aviary).	Applicability to existing plants depends on the width of the shed.
	5. Forced drying of litter using indoor air (in case of solid floor with deep litter).	Generally applicable.
c	Use of an air cleaning system, such as: 1. Wet acid scrubber; 2. Two-stage or three-stage air cleaning system; 3. Bioscrubber (or biotrickling filter).	May not be generally applicable due to the high implementation cost. Applicable to existing plants only where a centralised ventilation system is used.

<sup>(1)</sup> A description of the techniques is given in Sections 4.11 and 4.13.1.

Table 3.1

### BAT-AELs for ammonia emissions to air from each house for laying hens

Parameter	Type of housing	BAT-AEL (kg NH <sub>3</sub> /animal place/year)
Ammonia expressed as NH <sub>3</sub>	Cage system	0,02-0,08
	Non-cage system	0,02-0,13 <sup>(1)</sup>

<sup>(1)</sup> For existing plants using a forced ventilation system and an infrequent manure removal (in case of deep litter with a manure pit), in combination with a measure achieving a high dry matter content of the manure, the upper end of the BAT-AEL is 0,25 kg NH<sub>3</sub>/animal place/year.

The associated monitoring is in BAT 25. The BAT-AEL may not be applicable to organic livestock production.

#### 3.1.2. Ammonia emissions from houses for broilers

BAT 32. In order to reduce ammonia emissions to air from each house for broilers, BAT is to use one or a combination of the techniques given below.

	Technique <sup>(1)</sup>	Applicability
a	Forced ventilation and a non-leaking drinking system (in case of solid floor with deep litter).	Generally applicable.

	Technique <sup>(1)</sup>	Applicability
b	Forced drying system of litter using indoor air (in case of solid floor with deep litter).	For existing plants, the applicability of forced air drying systems depends on the height of the ceiling. Forced air drying systems may not be applicable to warm climates, depending on the indoor temperature.
c	Natural ventilation, equipped with a non-leaking drinking system (in case of solid floor with deep litter).	Natural ventilation is not applicable to plants with a centralised ventilation system. Natural ventilation may not be applicable during the initial stage of rearing of broilers and due to extreme climate conditions.
d	Litter on manure belt and forced air drying (in case of tiered floor systems).	For existing plants, the applicability depends on the height of the side walls.
e	Heated and cooled littered floor (in case of combi-deck systems).	For existing plants, the applicability depends on the possibility to install closed underground storage for the circulating water.
f	Use of an air cleaning system, such as: 1. Wet acid scrubber; 2. Two-stage or three-stage air cleaning system; 3. Bioscrubber (or biotrickling filter).	May not be generally applicable due to the high implementation cost. Applicable to existing plants only where a centralised ventilation system is used.

<sup>(1)</sup> A description of the techniques is given in Sections 4.11 and 4.13.2.

Table 3.2

**BAT-AEL for ammonia emissions to air from each house for broilers with a final weight of up to 2,5 kg**

Parameter	BAT-AEL <sup>(1)</sup> <sup>(2)</sup> (kg NH <sub>3</sub> /animal place/year)
Ammonia expressed as NH <sub>3</sub>	0,01-0,08

<sup>(1)</sup> The BAT-AEL may not be applicable to the following types of farming: extensive indoor, free-range, traditional free-range and free-range — total freedom, as defined in Commission Regulation (EC) No 543/2008 of 16 June 2008 laying down detailed rules for the application of Council Regulation (EC) No 1234/2007 as regards the marketing standards for poultrymeat (OJ L 157, 17.6.2008, p. 46).

<sup>(2)</sup> The lower end of the range is associated with the use of an air cleaning system.

The associated monitoring is in BAT 25. The BAT-AEL may not be applicable to organic livestock production.

## 3.1.3. Ammonia emissions from houses for ducks

BAT 33. In order to reduce ammonia emissions to air from each animal house for ducks, BAT is to use one or a combination of the techniques given below.

	Technique <sup>(1)</sup>	Applicability
a	One of the following techniques using natural or forced ventilation:	
	1. Frequent litter addition (in case of solid floor with deep litter or deep litter combined with slatted floor).	For existing plants with deep litter combined with slatted floor the applicability depends on the design of the existing structure.
	2. Frequent manure removal (in case of fully slatted floor).	Only applicable to the rearing of Barbary/Muscovy ducks ( <i>Cairina Moschata</i> ), for sanitary reasons.
b	Use of an air cleaning system, such as: 1. Wet acid scrubber; 2. Two-stage or three-stage air cleaning system; 3. Bioscrubber (or biotrickling filter).	May not be generally applicable due to the high implementation cost. Applicable to existing plants only where a centralised ventilation system is used.

<sup>(1)</sup> A description of the techniques is given in Sections 4.11 and 4.13.3.

## 3.1.4. Ammonia emissions from houses for turkeys

BAT 34. In order to reduce ammonia emissions to air from each animal house for turkeys, BAT is to use one or a combination of the techniques given below.

	Technique <sup>(1)</sup>	Applicability
a	Natural or forced ventilation with a non-leaking drinking system (in case of solid floor with deep litter).	Natural ventilation is not applicable to plants with a centralised ventilation system. Natural ventilation may not be applicable during the initial stage of rearing or due to extreme climate conditions.
b	Use of an air cleaning system, such as: 1. Wet acid scrubber; 2. Two-stage or three-stage air cleaning system; 3. Bioscrubber (or biotrickling filter).	May not be generally applicable due to the high implementation cost. Applicable to existing plants only where a centralised ventilation system is used.

<sup>(1)</sup> A description of the techniques is given in Sections 4.11 and 4.13.4.

## 4. DESCRIPTION OF TECHNIQUES

## 4.1. Techniques for reducing emissions from waste water

Technique	Description
Minimise use of water.	The volume of waste water can be reduced by using techniques such as pre-cleaning (e.g. mechanical dry cleaning) and high pressure cleaning.
Segregate rainwater from waste water streams that require treatment.	Segregation is carried out by implementing separate collection in the form of properly designed and maintained drainage systems.
Treat waste water.	Treatment can be performed by sedimentation and/or biological treatment. For waste water with a low pollutant load, treatment can be carried out by means of swales, ponds, constructed wetlands, soakaways, etc. A first flush system can be used for separation before biological treatment.
Landspreading of waste water e.g. by using an irrigation system such as sprinkler, travelling irrigator, tanker, umbilical injector.	Waste water streams can be settled, e.g. in tanks or lagoons, before land-spreading. The resulting solid fraction can also be landspread. The water can be pumped from the stores and brought into a pipeline that goes to e.g. a sprinkler or travelling irrigator, which landspreads the water at a low application rate. Irrigation can also be carried out using equipment with controlled application to ensure a low trajectory (low spread pattern) and large droplets.

## 4.2. Techniques for efficient use of energy

Technique	Description
Optimisation of heating/cooling and ventilation systems and management, especially where air cleaning systems are used.	This takes into account animal welfare requirements (e.g. concentration of air pollutants, appropriate temperatures), and can be obtained through several measures: <ul style="list-style-type: none"> <li>— automation and minimisation of the air flow, while maintaining thermal comfort zone for the animals;</li> <li>— fans with the lowest possible specific power consumption;</li> <li>— flow resistance is kept as low as possible;</li> <li>— frequency converters and electronically commutated motors;</li> <li>— energy-saving fans controlled according to the CO<sub>2</sub> concentration in the housing;</li> <li>— correct distribution of heating/cooling and ventilation equipment, temperature sensors and separate heated areas.</li> </ul>
Insulation of walls, floors and/or ceilings of housing.	Insulation material can be naturally impermeable or provided with an impermeable coating. Permeable materials are provided with a vapour barrier installed, as humidity is a major cause of insulation material deterioration.  A variant of insulation material for poultry farms can be heat-reflecting membranes, consisting of laminated plastic foils to seal off housing from air leakage and humidity.

Technique	Description
Use of energy-efficient lighting.	<p>More energy-efficient lighting can be attained by:</p> <ol style="list-style-type: none"> <li>i. Replacing conventional tungsten light bulbs or other low efficiency light bulbs with more energy-efficient lights such as fluorescent, sodium, and LED lights;</li> <li>ii. Using devices to adjust the frequency of micro flashes, dimmers to adjust artificial lighting, sensors or room entry switches to control the lighting;</li> <li>iii. Allowing more natural light to enter, e.g. by using vents or roof windows. Natural light has to be balanced with potential heat losses;</li> <li>iv. Applying lighting schemes, using a variable lighting period.</li> </ol>
<p>Use of heat exchangers. One of the following systems may be used:</p> <ul style="list-style-type: none"> <li>— air-air;</li> <li>— air-water;</li> <li>— air-ground.</li> </ul>	<p>In an air-air heat exchanger, the incoming air absorbs heat from the exhaust air from the plant. It can be composed of plates of anodised aluminium or PVC tubes.</p> <p>In the air-water heat exchanger, water flows through aluminium fins located in the exhaust ducts and absorbs heat from the exhausted air.</p> <p>In the air-ground heat exchanger, fresh air is circulated through buried pipes (e.g. at a depth of about 2 metres) taking advantage of the low seasonal temperature variation of soil.</p>
Use of heat pumps for heat recovery.	<p>Heat is absorbed from various media (water, slurry, ground, air, etc.) and transferred to another location, via a fluid circulated in a sealed circuit using the reverse refrigeration cycle principle. The heat can be used to produce sanitised water or to feed a heating system or a cooling system.</p> <p>The technique can absorb heat from various circuits, such as slurry cooling systems, geothermal energy, scrubbing water, slurry biological treatment reactors, or biogas engine exhaust gases.</p>
Heat recovery with heated and cooled littered floor (combideck system).	<p>A closed water circuit is installed below the floor and another is built at a deeper level for storing the excess heat or to return it to the poultry house when needed. A heat pump connects the two water circuits.</p> <p>At the beginning of the rearing period, the floor is heated with the stored heat in order to keep the litter dry by avoiding moisture condensation; during the second rearing cycle, birds produce an excess of heat that is preserved in the storing circuit while cooling down the floor which reduces the breakdown of uric acid by reducing microbial activity.</p>
Apply natural ventilation.	<p>Free ventilation in the animal house is caused by thermal effects and/or wind flow. The animal houses can have openings in the ridge and, if necessary, also on the gable sides in addition to controllable openings in the side walls. The openings can be equipped with wind protection nets. Fan assistance can be used during hot weather.</p>

4.3. **Techniques for reducing dust emissions**

Technique	Description
Water fogging	Water is sprayed by nozzles at high pressure to produce fine droplets that absorb heat and fall by gravity to the floor, moistening dust particles that become heavy enough to drop as well. Wet or moist litter needs to be avoided.
Ionisation	An electrostatic field is created in the house to produce negative ions. Circulating airborne dust particles are charged by free negative ions; particles are collected on the floor and room surfaces by gravitational force and electrostatic field attraction.
Oil spraying	Pure vegetable oil is sprayed by nozzles inside the house. A mixture of water and around 3 % vegetable oil can be also used for spraying. Circulating dust particles are bound to the oil drops and collected in the litter. A thin layer of vegetable oil is also applied on the litter to prevent dust emissions. Wet or moist litter needs to be avoided.

4.4. **Techniques for reducing odour emissions**

Technique	Description
Ensure adequate distances between the plant/farm and the sensitive receptors.	At the planning stage of the plant/farm, adequate distances between the plant/farm and the sensitive receptors are ensured by applying minimum standard distances or performing dispersion modelling to predict/simulate odour concentration in surrounding areas.
Cover slurry or solid manure during storage.	See description in Section 4.5 for solid manure. See description in Section 4.6 for slurry.
Minimise stirring of slurry.	See description in Section 4.6.1.
Aerobic digestion (aeration) of liquid manure/slurry.	See description in Section 4.7.
Compost solid manure.	
Anaerobic digestion.	
Band spreader, shallow injector or deep injector for slurry land-spreading.	See descriptions in Section 4.8.1.
Incorporate manure as soon as possible.	See descriptions in BAT 22.

#### 4.5. Techniques for reducing emissions from the storage of solid manure

Technique	Description
Store dried solid manure in a barn.	The barn is usually a simple construction with an impermeable floor and a roof, with sufficient ventilation to avoid anaerobic conditions and an access door for transport. Dried poultry manure (e.g. litter from broilers and laying hens, air-dried laying hen excreta collected on belts) is transported by belts or front-end loaders from the poultry house to the barn where it can be stored for a long period of time without the risk of remoistening.
Use a concrete silo for storage.	A foundation slab of water-impermeable concrete that can be combined with walls on three sides and with a cover e.g. roofing over the manure platform, UV-stabilised plastic, etc. The floor is sloped (e.g. 2 %) towards a front drain gutter. Liquid fractions and any run-off caused by rainfall are collected in a leak-tight concrete pit and handled afterwards.
Store solid manure on solid impermeable floor equipped with a drainage system and a collection tank for run-off.	The storage is equipped with a solid impermeable floor, a drainage system such as drains, and connected to a tank for collection of liquid fractions and any run-off caused by rainfall.
Select a storage facility with a sufficient capacity to hold the manure during periods in which landspreading is not possible.	The periods when manure landspreading is allowed depend on the local climatic conditions and legislation, etc.; thus, requiring a storage area with a suitable capacity. The available capacity also allows the landspreading time to be aligned to the nitrogen requirements of the crops.
Store solid manure in field heaps placed away from surface and/or underground water-courses which liquid run-off might enter.	Solid manure is stacked directly on the soil in the field prior to landspreading over a limited period of time (e.g. for a few days or several weeks). The storage location is changed at least every year and situated as far as possible from surface and groundwater.
Reduce the ratio between the emitting surface area and volume of the manure heap.	Manure can be compacted or a three-sided wall store can be used.
Cover solid manure heaps.	Materials such as UV-stabilised plastic covers, peat, sawdust, or wood chips can be used. Tight covers decrease air exchange and aerobic decomposition in the manure heap, resulting in a reduction of emissions to air.

#### 4.6. Techniques for reducing emissions from slurry storage

##### 4.6.1. Techniques for reducing ammonia emissions from slurry stores and earth-banked storage

Technique	Description
Reduce the ratio between the emitting surface area and the volume of the slurry store.	For rectangular slurry stores, the proportion of height and surface area is equivalent to 1:30-50. For circular stores, favourable container dimensions are obtained with a height — diameter ratio of 1:3 to 1:4. The side walls of the slurry store may be increased in height.

Technique	Description
Reduce wind velocity and air exchange on the slurry surface by operating at a lower level of fill.	Increasing the freeboard (the length between the slurry surface and the upper rim of the slurry store) of the uncovered store provides a windshield effect.
Minimise stirring of slurry.	Keep the stirring of slurry to a minimum. This practice involves: <ul style="list-style-type: none"> <li>— filling the store below surface level;</li> <li>— discharging as close as possible to the base of the store;</li> <li>— avoiding unnecessary homogenisation and circulation of slurry (before emptying the slurry store).</li> </ul>
Rigid cover.	A roof or a lid which can be made of concrete, fibreglass panels or polyester sheets with a flat deck or conical shape, applied to concrete or steel tanks and silos. It is well-sealed and 'tight' to minimise air exchange and to prevent rain and snow from entering.
Flexible covers.	<p>Tent Cover: a cover with a central supporting pole and spokes radiating from the tip. A fabric membrane is spread over the spokes and tied to a rim brace. Non-covered openings are kept to a minimum.</p> <p>Dome-shaped cover: a cover with a curved structural frame installed over round stores with the use of steel components and bolted joints.</p> <p>Flat cover: a cover consisting of a flexible and self-supporting composite material held by plugs on a metal structure.</p>
Floating covers.	
Natural crust.	A crust layer can be formed on the surface of slurry that has a sufficient dry matter (DM) content (at least 2 %) depending on the nature of the slurry solids. In order to be effective, the crust must be thick, not be disturbed and cover the whole slurry surface. The store is filled from below the surface once the cover is formed to avoid breaking it up.
Straw.	Chopped straw is added to the slurry and a straw-induced crust is formed. This generally works well for DM higher than 4-5 %. A layer thickness of at least 10 cm is recommended. Air blowing can be reduced by adding straw at the time of slurry addition. Straw layers may need to be partially or completely renewed during the year. The store is filled from below the surface once the cover is formed to avoid breaking it up.
Plastic pellets.	Polystyrene balls of 20 cm in diameter and 100 g in weight are used to cover the slurry surface. A regular replacement of deteriorated elements and a refill for uncovered spots are necessary.
Light bulk materials.	Materials such as LECA (Light expanded clay aggregates), LECA based products, perlite or zeolite are added to the slurry surface to form a floating layer. A floating layer of 10-12 cm is recommended. A thinner layer can be effective for smaller LECA particles.

Technique	Description
Floating flexible covers.	Plastic floating covers (e.g. blankets, canvas, films) rest over the slurry surface. Floats and tubes are installed to keep the cover in place, while maintaining a void beneath the cover. This technique can be combined with stabilising elements and structures to allow vertical movements. Venting is needed as well as removal of rainwater that gathers on top.
Geometrical plastic tiles.	Floating hexagonal plastic bodies are automatically distributed on the slurry surface. About 95 % of the surface can be covered.
Air-inflated cover.	A cover made of PVC fabric supported by an inflatable pocket that floats over the slurry. The fabric is fixed by guy ropes to a peripheral metal structure.
Flexible plastic sheets.	Impermeable UV-stabilised plastic sheets (e.g. HDPE) are secured at the bank tops and supported on floats. This prevents the cover from turning during manure mixing and being lifted off by wind. The covers can also be fitted with collection piping for removal of gases, other maintenance openings (e.g. for the use of homogenisation equipment) and a system for rainwater collection and removal.

#### 4.6.2. Techniques for reducing emissions to soil and water from slurry stores

Technique	Description
Use stores that are able to withstand mechanical, chemical and thermal influences.	Appropriate concrete mixtures and, in many cases, lining on concrete walls or impermeable layers on steel sheets can be applied.
Select a storage facility with a sufficient capacity to hold the manure during periods in which landspreading is not possible.	See Section 4.5.

#### 4.7. Techniques for on farm manure processing

Technique	Description
Mechanical separation of slurry.	Separation of liquid and solid fractions with different dry matter content, using e.g. screw press separators, decanter-centrifuge separators, separation by sieves and filter pressing. Separation can be enhanced by coagulation-flocculation of solid particles.
Anaerobic digestion of manure in a biogas installation.	Anaerobic microorganisms decompose the organic matter of manure in a closed reactor in the absence of oxygen. Biogas is produced and collected to serve energy generation i.e. production of heat, combined heat and power, and/or transport fuel. Some of the heat produced is recycled in the process. The stabilised residue (digestate) can be used as fertiliser (with sufficiently solid digestate after composting). Solid manure can be co-digested with slurry and/or other co-substrates, while ensuring a dry matter content lower than 12 %.
Use of an external tunnel for manure drying.	Manure is collected from the laying hen houses and removed by belts that convey it outdoors to a dedicated closed structure, containing a series of perforated overlapping belts that form the tunnel. Warm air is blown through the belts, drying the manure in about two or three days. The tunnel is ventilated with air extracted from the laying hens' house.

Technique	Description
Aerobic digestion (aeration) of slurry.	The biological decomposition of organic matter under aerobic conditions. Stored slurry is aerated by means of submerged or floating aerators in a continuous or batch process. Operating variables are controlled to prevent nitrogen removal, such as keeping slurry agitation as low as possible. The residue can be used as fertiliser (composted or not) after concentration.
Nitrification-denitrification of slurry.	Part of the organic nitrogen is transformed into ammonium. Ammonium is oxidised by nitrifying bacteria into nitrite and nitrate. By applying anaerobic periods, the nitrate can be transformed into N <sub>2</sub> in the presence of organic carbon. In a secondary basin, the sludge settles, with part of it being reused in the aeration basin. The residue can be used as fertiliser (composted or not) after concentration.
Composting of solid manure.	The controlled aerobic decomposition of solid manure by microorganisms producing a final product (compost) sufficiently stable for transport, storage and landspreading. Odour, microbial pathogens and water content of manure are reduced. The solid fraction of the slurry can also be composted. The supply of oxygen is achieved by mechanical reversal of the windrows or by forced aeration of the heaps. Drums and composting tanks can also be used. Biological inoculum, green residues or other organic wastes (e.g. digestate) can be co-composted with solid manure.

#### 4.8. Techniques for manure landspreading

##### 4.8.1. Techniques for slurry landspreading

Technique	Description
Slurry dilution	Dilution rate of water: slurry is from 1:1 up to 50:1. The dry matter content of diluted slurry is less than 2 %. The clarified liquid fraction from the mechanical separation of slurry and the digestate from anaerobic digestion can be used as well.
Low-pressure water irrigation system	Diluted slurry is injected into the irrigation water pipeline and is pumped under low pressure to the irrigation system (e.g. sprinkler or travelling irrigator).
Band spreader (trailing hose)	A series of flexible hoses hang from a wide bar mounted onto the slurry trailer. The hoses discharge slurry at ground level in wide parallel bands. Application between the rows of a growing arable crop is feasible.
Band spreader (trailing shoe)	Slurry is discharged through rigid pipes which terminate in metal 'shoes', designed to apply slurry directly in narrow bands to the soil surface and below the crop canopy. Some types of trailing shoes are designed to cut a shallow slit in the soil to aid infiltration.
Shallow injector (open slot)	Tines or disc harrows are used to cut vertical slots (typically 4-6 cm deep) in the soil, forming grooves into which slurry is deposited. The injected slurry is fully or partially placed below the soil surface and grooves will normally be open after slurry application.

Technique	Description
Deep injector (closed slot)	Tines or disc harrows are used to cultivate the soil and deposit slurry into it, before covering the slurry fully by means of press wheels or rollers. The depth of the closed slot ranges between 10 cm and 20 cm.
Slurry acidification	See Section 4.12.3.

#### 4.9. Techniques for monitoring

##### 4.9.1. Techniques for monitoring N and P excretion

Technique	Description
Calculation by using a mass balance of nitrogen and phosphorus based on feed intake, crude protein content of the diet, total phosphorus and animal performance.	<p>The mass balance is calculated for each animal category reared on the farm, coinciding with the end of a rearing cycle, on the basis of the following equations:</p> $N_{\text{excreted}} = N_{\text{diet}} - N_{\text{retention}}$ $P_{\text{excreted}} = P_{\text{diet}} - P_{\text{retention}}$ <p><math>N_{\text{diet}}</math> is based on the amount of feed ingested and on the crude protein content of the diet. <math>P_{\text{diet}}</math> is based on the amount of feed ingested and on the total phosphorus content of the diet. The crude protein and the total phosphorus contents can be obtained by one of the following methods:</p> <ul style="list-style-type: none"> <li>— in the case of external feed supply: in the accompanying documentation;</li> <li>— in the case of self-processing of feed: by sampling of feedstuff compounds from the silos or the feeding system for analysing the total content of phosphorus and crude protein or, alternatively, in the accompanying documentation or using standard values of total content of phosphorus and crude protein of the feedstuff compounds.</li> </ul> <p><math>N_{\text{retention}}</math> and <math>P_{\text{retention}}</math> can be estimated by one of the following methods:</p> <ul style="list-style-type: none"> <li>— statistically derived equations or models;</li> <li>— standard retention factors for the nitrogen and phosphorus contents of the animal (or of eggs, in the case of laying hens);</li> <li>— analysis for nitrogen and phosphorus contents of a representative sample of the animal (or of eggs, in the case of laying hens).</li> </ul> <p>The mass balance considers especially any significant changes to the diet commonly applied (e.g. change of a compound feed).</p>
Estimation by using manure analysis for total nitrogen and total phosphorus contents.	<p>The total content of nitrogen and phosphorus of a representative composite sample of manure is measured — and the total excretion of nitrogen and phosphorus is estimated — based on records for the volume (for slurry) or weight (for solid manure) of manure. For solid manure systems, the nitrogen content of litter is also considered.</p> <p>In order for the composite sample to be representative, samples must be taken from at least 10 different places and/or depths to make the composite sample. In the case of poultry litter, the bottom of the litter is sampled.</p>

## 4.9.2. Techniques for ammonia and dust monitoring

Technique	Description
<p>Estimation by using a mass balance based on the excretion and the total (or ammoniacal) nitrogen present at each manure management stage.</p>	<p>Ammonia emissions are estimated based on the amount of nitrogen excreted by each animal category and using the total nitrogen (or the total ammoniacal nitrogen — TAN) flow and the volatilisation coefficients (VC) over each manure management stage (housing, storage, landspreading).</p> <p>The equations applied for each of the manure management stages are:</p> $E_{\text{housing}} = N_{\text{excreted}} \cdot VC_{\text{housing}}$ $E_{\text{storage}} = N_{\text{storage}} \cdot VC_{\text{storage}}$ $E_{\text{spreading}} = N_{\text{spreading}} \cdot VC_{\text{spreading}}$ <p>where:</p> <p>E is the annual NH<sub>3</sub> emission from the animal house, manure storage or landspreading (e.g. in kg NH<sub>3</sub>/animal place/year).</p> <p>N is the annual total nitrogen or TAN excreted, stored or applied in landspreading (e.g. in kg N/animal place/year). If appropriate, nitrogen additions (e.g. related to litter, recycling of scrubbing liquids) and/or nitrogen losses (e.g. related to manure processing) can be considered.</p> <p>VC is the volatilisation coefficient (dimensionless, related to the housing system, manure storage or landspreading techniques) representing the proportion of TAN or total N emitted to air.</p> <p>VC are derived from measurements designed and performed according to a national or an international protocol (e.g. VERA protocol) and validated for a farm with an identical type of technique and similar climatic conditions. Alternatively, information to derive VC can be taken from European or other internationally recognised guidance.</p> <p>The mass balance considers especially any significant change to the type of livestock reared at the farm and/or to the techniques applied for housing, storage and landspreading.</p>
<p>Calculation by measuring the ammonia (or dust) concentration and the ventilation rate using ISO, national or international standard methods or other methods ensuring data of an equivalent scientific quality.</p>	<p>Ammonia (or dust) samples are taken on six days, as a minimum, distributed over one year. Sampling days are distributed as follows:</p> <ul style="list-style-type: none"> <li>— For animal categories with a stable emissions pattern (e.g. laying hens), the sampling days are randomly selected in every two-month period. The daily average is calculated as a mean over all sampling days.</li> <li>— For animal categories with a linear increase in emissions during the rearing cycle (e.g. fattening pigs), the sampling days are equally distributed over the growing period. In order to achieve this, half the measurements are performed in the first half of the rearing cycle, and the remainder in the second half of the rearing cycle. The sampling days in the second half of the rearing cycle are equally distributed within the year (same number of measurements per season). The daily average is calculated as a mean over all sampling days.</li> <li>— For animal categories with an exponential increase in emissions (e.g. broilers), the rearing cycle is divided into three periods of equal length (same number of days). One measurement day falls in the first period, two measurements in the second period, and three measurements in the third period. In addition, sampling days in the third period of the rearing cycle are equally distributed within the year (same number of measurements per season). The daily average is calculated as the average of the three periodic means.</li> </ul>

Technique	Description
	<p>Sampling is based on 24-hour sampling periods and is performed at the air inlet/outlet. Ammonia (or dust) concentration at the air outlet is then measured, corrected for the concentration of the incoming air, and daily ammonia (or dust) emissions are derived by measuring and multiplying the ventilation rate and the ammonia (or dust) concentration. From the daily average of ammonia (or dust) emissions, the yearly average ammonia (or dust) emissions from an animal house can be calculated, if multiplied by 365 and corrected for any non-occupation periods.</p> <p>The ventilation rate, necessary to determine the emission mass flow, is determined either by calculation (e.g. fan wheel anemometer, records of ventilation control system) in forced ventilated houses, or by means of tracer gases (excluding the use of SF<sub>6</sub> and any gas containing CFCs) in naturally ventilated houses which allow a proper mixing of air.</p> <p>For plants with multiple air inlets and outlets, only those sampling points considered representative (in terms of expected mass emissions) of the plant are monitored.</p>
Estimation by using emission factors.	<p>Ammonia (or dust) emissions are estimated on the basis of emission factors derived from measurements designed and performed according to a national or an international protocol (e.g. VERA protocol) in a farm with an identical type of technique (related to the housing system, manure storage and/or landspreading) and similar climatic conditions. Alternatively, emission factors can be taken from European or other internationally recognised guidance.</p> <p>The use of emission factors considers especially any significant change to the type of livestock reared at the farm and/or to the techniques applied for housing, storage, landspreading.</p>

#### 4.9.3. Techniques for monitoring of air cleaning systems

Technique	Description
Verification of the air cleaning system performance by measuring ammonia, odour and/or dust under practical farm conditions, according to a prescribed measurement protocol and using EN standard methods or other methods (ISO, national or international) ensuring data of an equivalent scientific quality.	<p>The verification is done by measurement of ammonia, odour and/or dust in the inlet and outlet air and of all additional parameters relevant for operation (e.g. air flow rate, pressure drop, temperature, pH level, conductivity). Measurements are performed under summer climatic conditions (a period of at least eight weeks with a ventilation rate &gt; 80 % of the maximum ventilation rate) and winter climatic conditions (a period of at least eight weeks with a ventilation rate &lt; 30 % of the maximum ventilation rate), with representative management and full capacity of the housing and only if an adequate time period (e.g. four weeks) has elapsed after the last change of wash water. Different sampling strategies can be applied.</p>
Control of the effective function of the air cleaning system (e.g. by continuously recording operational parameters or using alarm systems).	<p>Operation of an electronic logbook in order to record all measuring and operational data over a period of 1-5 years. Recorded parameters depend on the type of air cleaning system and may include:</p> <ol style="list-style-type: none"> <li>1. pH and conductivity of scrubbing liquid;</li> <li>2. air flow and pressure drop of the abatement system;</li> </ol>

Technique	Description
	3. pump operating time; 4. water and acid consumption. Other parameters can be recorded manually.

#### 4.10. Nutritional management

##### 4.10.1. Techniques for reducing nitrogen excreted

Technique	Description
Reduce the crude protein content by using a N-balanced diet based on the energy needs and digestible amino acids.	Reduce excesses in the crude protein supply by ensuring that it does not exceed feeding recommendations. The diet is balanced to meet the animal requirements of energy and digestible amino acids.
Multiphase feeding with a diet formulation adapted to the specific requirements of the production period.	The feed mix matches the animal requirements more accurately in terms of energy, amino acids and minerals, depending on the animal weight and/or production stage.
Addition of controlled amounts of essential amino acids to a low crude protein diet.	A certain amount of protein-rich feedstuffs is substituted by low-protein feedstuffs, in order to further reduce the crude protein content. The diet is supplemented with synthetic amino acids (e.g. lysine, methionine, threonine, tryptophan, valine) so that there is no deficiency in the amino acid profile.
Use of authorised feed additives which reduce total nitrogen excreted.	Authorised (according to Regulation (EC) No 1831/2003 of the European Parliament and of the Council <sup>(1)</sup> ) substances, microorganisms or preparations such as enzymes (e.g. NSP enzymes, proteases) or probiotics are added to feed or water in order to favourably affect feed efficiency e.g. by improving the digestibility of feedstuffs or affecting the gastrointestinal flora.

<sup>(1)</sup> Regulation (EC) No 1831/2003 of the European Parliament and of the Council of 22 September 2003 on additives for use in animal nutrition (OJ L 268, 18.10.2003, p. 29).

##### 4.10.2. Techniques for reducing phosphorus excreted

Technique	Description
Multiphase feeding with a diet formulation adapted to the specific requirements of the production period.	The feed consists of a mix matching the phosphorus supply to the phosphorus animal requirements more accurately depending on the animal weight and/or production stage.
Use of authorised feed additives which reduce total phosphorus excreted (e.g. phytase).	Authorised (according to Regulation (EC) No 1831/2003) substances, microorganisms or preparations such as enzymes (e.g. phytase) are added to feed or water in order to favourably affect feed efficiency e.g. by improving the digestibility of phytic phosphorus in the feedstuffs or affecting the gastrointestinal flora.

#### 4.11. Techniques to treat emissions to air from animal housing

Technique	Description
Biofilter	The exhaust air is led through a filter bed of organic material, such as root wood or wood chips, coarse bark, compost or peat. The filter material is always kept moist by intermittent sprinkling of the surface. Dust particles and odorous air compounds are absorbed by the wet film and are oxidised or degraded by microorganisms living on the moistened litter material.
Bioscrubber (or biotrickling filter)	A packed tower filter with inert packing material which is normally maintained continuously wet by sprinkling water. Air pollutants are absorbed in the liquid phase and subsequently degraded by microorganisms settling on the filter elements. An ammonia reduction of between 70 % and 95 % can be achieved.
Dry filter	The exhaust air is blown against a screen made of e.g. multi-layered plastic placed in front of the end wall ventilator. The passing air is subject to strong changes of direction causing the separation of particles by centrifugal force.
Two-stage or three-stage air cleaning system	In a two-stage system, the first stage (wet acid scrubber) is usually combined with a bioscrubber (second stage). In a three-stage system, a first stage consisting of a water scrubber is usually combined with a second stage (wet acid scrubber), followed by a biofilter (third stage). An ammonia reduction of between 70 % and 95 % can be achieved.
Water scrubber	The exhaust air is blown through a packed filter medium by transverse flow. Water is continuously sprayed on the packing material. Dust is removed and settles in the water tank, which is emptied before refilling.
Water trap	The exhaust air is directed by ventilation fans down onto a water bath where dust particles get soaked. The flow is then redirected 180 degrees upward. The water level is topped up regularly to compensate for evaporation.
Wet acid scrubber	The exhaust air is forced through a filter (e.g. packed wall) where a circulating acid liquid (e.g. sulphuric acid) is sprayed. An ammonia reduction of between 70 % and 95 % can be achieved.

#### 4.12. Techniques for pig houses

##### 4.12.1. Description of floor types and techniques for reducing ammonia emissions in pig houses

Type of floor	Description
Fully slatted floor	A floor where the whole area is slatted using metal, concrete or plastic floor with openings that allows faeces and urine to drop into a channel or a pit beneath.

Type of floor	Description
Partly slatted floor	A floor that is partly solid and partly slatted using metal, concrete or plastic floor with openings that allows faeces and urine to drop into a channel or a pit beneath. Fouling of the solid floor is prevented by proper management of the indoor climate parameters, especially under hot conditions, and/or by proper design of the housing systems.
Solid concrete floor	A floor where the entire area consists of solid concrete. The floor can be covered with litter (e.g. straw) to varying degrees. The floor is usually sloped to facilitate the drainage of urine.

The floor types listed above are used in the described housing systems, when appropriate:

Technique	Description
A deep pit (in case of a fully or partly slatted floor) only if used in combination with an additional mitigation measure, e.g.: <ul style="list-style-type: none"> <li>— a combination of nutritional management techniques;</li> <li>— air cleaning system;</li> <li>— pH reduction of the slurry;</li> <li>— slurry cooling.</li> </ul>	Pens are equipped with a deep pit below the slatted floor that allows for the storage of the slurry between infrequent removals. For fattening pigs, an overflow manure channel can be used. Removal of slurry for landspreading or to outdoor store takes place as frequent as possible (e.g. at least every two months) unless there are technical restrictions (e.g. storage capacity).
A vacuum system for frequent slurry removal (in case of a fully or partly slatted floor).	Outlets at the bottom of the pit or channel are connected to a discharge pipe underneath which transfers slurry to outdoor storage. Slurry is frequently discharged by opening a valve or a plug in the main slurry pipe, e.g. once or twice every week; a slight vacuum develops and allows the complete emptying of the pit or channel. A certain depth of slurry needs to be obtained before the system can operate properly to allow the vacuum to be effective.
Slanted walls in the manure channel (in case of a fully or partly slatted floor).	The manure channel creates a V section with the point of discharge at the bottom. The slope and the smoothness of the surface facilitate the slurry discharge. Manure removal is carried out at least twice every week.
A scraper for frequent slurry removal (in case of a fully or partly slatted floor).	There is a V-shaped channel with two inclined surfaces on each side of a central gutter, where urine can be drained to a collection pit through a drain in the bottom of the manure channel. From the pit, the solid fraction of the manure is extracted frequently (e.g. daily) by a scraper. The addition of a coating on the scraped floor is recommended in order to achieve a smooth(er) surface.

Technique	Description
Convex floor and separated manure and water channels (in case of partly slatted pens).	Manure and water channels are built at opposite sides of the convex and smooth solid concrete floor. The water channel is installed underneath the side of the pen where the pigs tend to eat and drink. Water for cleaning the pens may be used to fill the water channels. The channel is partially filled with at least 10 cm of water. The manure channel can be built with flashed gutters or slanted walls which are normally flushed twice every day for example with water from the other channel or the liquid fraction of the slurry (dry matter content no higher than approximately 5 %).
V-shaped manure belts (in case of partly slatted floor).	V-shaped manure belts roll inside the manure channels covering the whole surface, so that all faeces and urine are dropped on them. Belts are run at least twice every day to separately carry urine and faeces to closed manure storage. Belts are made of plastic (polypropylene or polyethylene).
Reduced manure pit (in case of partly slatted floor).	The pen is equipped with a narrow pit with a width of about 0,6 m. The pit can be placed in an external alley.
Frequent slurry removal by flushing (in case of fully or partly slatted floor).	A very frequent removal (e.g. once or twice per day) of the slurry is performed by flushing the channels with the liquid fraction of the slurry (dry matter content no higher than approximately 5 %) or water. The liquid fraction of the slurry can also be aerated before flushing. This technique can be combined with individual variations of the bottoms of channels or pits, e.g. gutters, tubes or a permanent slurry layer.
Kennel/hut housing (in case of partly slatted floor).	Separate functional areas are organised in the pens of naturally ventilated houses. The lying area (about 50-60 % of the total area) consists of a levelled insulated concrete floor with covered, insulated huts or kennels, with a hinged roof that can be raised or lowered to control temperature and ventilation. The activity and feeding areas lie on a slatted floor with a manure pit underneath and frequent manure removal, e.g. by vacuum. Straw can be used on the solid concrete floor.
Full litter system (in case of solid concrete floor).	A fully concrete floor almost completely covered with a layer of straw or other lignocellulosic material. In the litter-floored system, solid manure is frequently removed (e.g. twice per week). Alternatively in the deep litter system, fresh straw is added on top and the accumulated manure is removed at the end of the rearing cycle. Separate functional areas can be organised into lying, feeding, walking and defecating areas.
Littered external alley (in case of solid concrete floor).	A small door allows the pig to go out to defecate in an external alley with a concrete littered floor. The manure falls into a channel from where it is scraped once every day.
Feeding/lying boxes on solid floor (in case of litter-based pens).	Sows are kept in a pen divided into two functional areas, the main one littered and a series of feeding/lying boxes over a solid floor. Manure is captured in the straw or other lignocellulosic material, which is regularly supplied and replaced.

Technique	Description
Manure collection in water.	Manure is collected in the cleaning water that is kept in the manure channel and refilled up to a level of around 120-150 mm. Slanted channel walls are optional. After each rearing cycle, the manure channel is emptied.
A combination of water and manure channels (in case of fully slatted floor).	The sow is kept in a fixed place (by using a farrowing crate) with a specific defecating area. The manure pit is split up into a wide water channel at the front and a small manure channel at the back, with a reduced manure surface. The front channel is partly filled with water.
Manure pan (in case of fully or partly slatted floor).	A prefabricated pan (or pit) is placed under the slatted floor. The pan is deepest at one end with a slope of at least 3° towards a central manure channel; the manure discharges when its level reaches around 12 cm. If a water channel exists, the pan can be subdivided into a water section and a manure section.
Straw flow system (in case of solid concrete floor).	Pigs are reared in pens with solid floors, where a sloped lying area and an excretion area are defined. Straw is provided to the animals daily. Pig activity pushes and distributes the litter down the pen's slope (4-10 %) to the manure collection aisle. The solid fraction can be removed frequently (e.g. daily) with a scraper.
Littered pens with combined manure generation (slurry and solid manure).	Farrowing pens are equipped with separate functional areas: a bedded lying area, walking and dung areas with slatted or perforated floors, and a feeding area on a solid floor. Piglets are provided with a littered and covered nest. Slurry is frequently removed with a scraper. Solid manure is manually removed from the solid floor areas on a daily basis. Litter is regularly provided. A yard can be combined with the system.
Use of floating balls in the manure channel.	Balls half-filled with water and made of special plastic with non-sticky coating, float on the surface of the manure channels.

#### 4.12.2. Techniques for cooling slurry

Technique	Description
Slurry cooling pipes	A reduction of slurry temperature (usually less than 12 °C) is achieved by installing a cooling system placed above the slurry, above the concrete floor or cast into the floor. The applied cooling intensity can be from 10 W/m <sup>2</sup> to 50 W/m <sup>2</sup> for gestating sows and fattening pigs housed on partly slatted floors. The system consists of pipes in which a refrigerant or water is circulated. The pipes are connected to a heat exchange device to recover energy that may be used for heating other parts of the farm. The pit or the channels need to be frequently emptied due to a relatively small exchanging surface of the pipes.

#### 4.12.3. Techniques for reducing the pH of slurry

Technique	Description
Slurry acidification	Sulphuric acid is added to slurry in order to lower the pH to about 5,5 in the slurry pit. The addition can be carried out in a process tank, followed by aeration and homogenisation. Part of the treated slurry is pumped back to the storage pit under the housing floors. The treatment system is fully automated. Prior to (or after) landspreading on acid soils, lime addition may be required to neutralise the pH of the soil. Alternatively, acidification can be performed directly in the slurry store or continuously during landspreading.

#### 4.13. Techniques for poultry housing

##### 4.13.1. Techniques for reducing ammonia emissions from houses for laying hens, broiler breeders or pullets

Housing system	Description
Unenriched cage system	Broiler breeders are housed in unenriched cage systems fitted with perches, litter area and nest. Pullets should be given appropriate experience of management practices (e.g. particular feeding and watering systems) and environmental conditions (e.g. natural light, perches, litter) to enable them to adapt to the husbandry systems which they will encounter later in life. The cages are usually arranged on three or more tiers.
Enriched cage system	Enriched cages are built with sloping floors, are made of welded wire mesh or plastic slats and are equipped with fixtures and increased space for feeding, drinking, nesting, scratching, perching and egg collection. The capacity of the cages can vary from around 10 to 60 birds. The cages are usually arranged on three or more tiers.
Deep litter with manure pit	At least one-third of the total floor in the housing is covered with litter (e.g. sand, wood shavings, straw). The remaining floor area is slatted, with a manure pit underneath. Feeding and drinking fixtures are located over the slatted area. Additional structures can be present inside or outside the housing, such as verandas and free-range system.
Aviaries	Aviaries are divided into different functional areas for feeding, drinking, egg laying, scratching and resting. The usable area is increased by means of elevated slatted floors combined with tiers. The slatted area ranges between 30 % and 60 % of the total floor area. The remaining floor is typically littered.  In plants for laying hens and broiler breeders, the system can be combined with verandas with or without free-range system.
Manure removal by belts (in case of enriched or unenriched cage systems) with at least: — one removal per week with air drying; or — two removals per week without air drying.	Belts are placed under the cages for manure removal. The frequency of removal can be once every week (with air drying) or more (without air drying). The collection belt may be ventilated for drying the manure. Whisk-forced air drying in the manure belt can be also used.
Manure belt or scraper (in case of deep litter with a manure pit).	Manure is removed by scrapers (periodically) or by belts (once every week for dried manure, twice every week without drying).
Forced ventilation system and infrequent manure removal (in case of deep litter with a manure pit) only if used in combination with an additional mitigation measure, e.g.: — achieving a high dry matter content of the manure; — an air cleaning system.	The deep litter system (see above for description) is combined with infrequent manure removal, e.g. at the end of the rearing cycle. A minimum dry matter content of manure of around 50-60 % is ensured. This is achieved by an appropriate forced ventilation system (e.g. fans and air extraction placed at floor level).

Housing system	Description
Forced air drying of manure via tubes (in case of deep litter with a manure pit).	The deep litter system (see above for description) is combined with manure drying by means of forced ventilation applied through tubes that blow air (e. g. at 17-20 °C and 1,2 m <sup>3</sup> /bird) over the manure stored under the slatted floor.
Forced air drying of manure using perforated floor (in case of deep litter with a manure pit).	The deep litter system (see above for description) is equipped with a perforated floor placed underneath the manure which allows for forced air blowing from below. The manure is removed at the end of the rearing cycle.
Manure belts (in case of aviary).	Manure is collected on belts under the slatted floor and removed at least once every week by ventilated or not ventilated belts. Littered and solid floors can be combined in aviaries for pullets.
Forced drying of litter using indoor air (in case of solid floor with deep litter).	In a deep litter system without a manure pit, indoor air recirculation systems can be used to dry the litter, while meeting the physiological needs of the birds. To this end, fans, heat exchangers and/or heaters can be used.

#### 4.1.3.2. Techniques for reducing ammonia emissions from broiler houses

Technique	Description
Natural or forced ventilation with a non-leaking drinking system (in case of solid floor with deep litter).	The building is closed and well-insulated, equipped with natural or forced ventilation, and can be combined with a veranda and/or a free-range system. The solid floor is fully covered with litter which can be added to upon necessity. Floor insulation (e.g. concrete, clay, membrane) prevents water condensation in the litter. Solid manure is removed at the end of the rearing cycle. The design and operation of the drinking water system prevents leakage and spillage of water on the litter.
Forced drying system of litter using indoor air (in case of solid floor with deep litter).	Indoor air recirculation systems can be used to dry the litter, while meeting the physiological needs of the birds. To this end, fans, heat exchangers and/or heaters can be used.
Litter on manure belt and forced air drying (in case of tiered floor systems).	A multi-floor system on tiers equipped with manure belts covered with litter. Corridors for ventilation are left between the rows of tiers. Air enters through one corridor and is directed to the litter material on the manure belt. Litter is removed at the end of the rearing cycle. The system can be used in combination with a separate initial stage where broiler chicks are hatched and grown for a limited time on manure belts with litter on a multi-tiered system.
Heated and cooled littered floor (in case of combideck systems).	See Section 4.2.

## 4.13.3. Techniques for reducing ammonia emissions from duck houses

Technique	Description
Frequent litter addition (in case of solid floor with deep litter or deep litter combined with slatted floor).	Litter is maintained dry by frequent addition (e.g. daily) of fresh material upon necessity. Solid manure is removed at the end of the rearing cycle. The housing system can be equipped with natural or forced ventilation and combined with a free-range system. In case of deep litter combined with slatted floor, the floor is equipped with slats in the drinker area (about 25 % of the total floor area).
Frequent manure removal (in case of fully slatted floor).	Slats cover the pit where the manure is stored and evacuated to the external store. Frequent manure removal to an external store can be done: 1. by permanent gravity flow; 2. by scraping with variable frequencies. The housing system can be equipped with natural or forced ventilation and combined with a free-range system.

## 4.13.4. Techniques for reducing ammonia emissions from turkey houses

Technique	Description
Natural or forced ventilation with a non-leaking drinking system (in case of solid floor with deep litter).	The solid floor is fully covered with litter which can be added upon necessity. Floor insulation (by e.g. concrete, clay) prevents water condensation in the litter. Solid manure is removed at the end of the rearing cycle. The design and operation of the drinking water system prevents leakage and spillage of water on the litter. Natural ventilation can be combined with a free-range system.





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