



International Registry of International Interests in Aircraft Equipment

Tenth Annual Statistical Report
1 January 2015 – 31 December 2015

December 2016

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INTRODUCTION

The International Registry of International Interests in Aircraft Equipment (“the Registry”) was established pursuant to the provisions of the Cape Town Convention and Aircraft Protocol.¹

The International Civil Aviation Organization (“ICAO”) is the Supervisory Authority of the Registry² and Aviareto Limited is the Registrar of the Registry³.

Sections 10.1 of the Regulations for the International Registry⁴ (“the Regulations”) requires that

“The Registry shall maintain updated registration statistics and shall publish them in an annual report. This report shall be electronically accessible to any person”.

Section 10.2 of the Regulations states “the registration statistics” shall consist of:

“(a) transactional volumes and revenues subdivided in each case by registration type and geographic distribution; and (b) other compilations of non-confidential information requested by the Supervisory Authority”.

This tenth annual statistical report is being posted by on the Registry website in fulfilment of the requirements of Section 10 of the Regulations.

Rob Cowan
Managing Director
Aviareto Limited
Registrar of the International Registry of International Interests in Aircraft Equipment

28 December 2016

¹ *Convention on International Interests in Mobile Equipment* (ICAO Doc 9793) and *Protocol to the Convention on International Interests in Mobile Equipment on Matters specific to Aircraft Equipment* (ICAO Doc 9794), both signed at Cape Town on 16 November 2001.

² Pursuant to Resolution No. 2 adopted by the Cape Town Diplomatic Conference on 16 November 2001.

³ *Contract for the Operation of the International Registry for International Interests in Mobile Equipment (Aircraft Equipment)* between ICAO and Aviareto Limited, dated 27 June 2011.

⁴ *Regulations and Procedures for the International Registry* (ICAO Doc 9864 – Fifth Edition - 2013).

NOTES TO THE REPORT

1. The **fee categories** used for segmenting events and revenues in this report are set out in Table 1 of the Fee Schedule Appendix to the Procedures. The fee categories are:
 - Controlled entity set-up fee (1 year)
 - User set-up fee (1 year)
 - Registration fee
 - Replacement administrator fee
 - Entity name change fee
 - Spare engine fee
 - Priority search fee
 - Lost certificate fee

2. The **registration types** used in this report are:⁵
 - International interest
 - Prospective international interest
 - Assignment of an international interest
 - Prospective assignment of an international interest
 - Contract of sale
 - Prospective contract of sale
 - Subordination of an international interest
 - Subordination of a prospective international interest
 - Subordination of a national interest
 - Subordination of a registrable non-consensual right or interest
 - International interest acquired through subrogation
 - Registrable non-consensual right or interest
 - Assignment of a registrable non-consensual right or interest
 - Pre-existing rights or interests under Article 60(3) of the Convention
 - Notice of a national interest
 - Transfer of a right to consent to the discharge of a registration

3. The **revenues** set out in this report (other than in the statutory accounts) are based on the payment received at the time of each transaction. In the statutory accounts revenues received in respect of user set-up and renewal fees are recognized in equal monthly amounts over the life of the licence purchased (that is, over 12 months).

4. The data in this report have been extracted from the logs of the Registry and the Registry database and all monetary amounts are in US\$.

⁵ Registration types may be created, amended or discharged, as appropriate.

REVIEW OF THE REGISTRY

Cape Town Convention and Aircraft Protocol

As of 31 December 2015 there were 60 Parties to the Cape Town Convention and Aircraft Protocol, additionally nine States have ratified or acceded to the Convention only, as follows:

Afghanistan	Malaysia
Albania	Malta
Angola	Mexico
Australia (effective 1 September)	Mongolia
Bahrain	Mozambique
Bangladesh	Myanmar
Belarus	Netherlands, Kingdom of the ⁷
Bhutan	New Zealand
Brazil	Nigeria
Burkina Faso ⁶	Norway
Cabo Verde	Oman
Cameroon	Pakistan
Canada	Panama
China	Republic of Moldova ⁶
Colombia	Russian Federation
Congo	Rwanda
Costa Rica ⁶	San Marino (effective 1 January)
Côte d'Ivoire ⁶	Saudi Arabia
Cuba	Senegal
Egypt (effective 1 April)	Seychelles ⁶
Ethiopia	Singapore
European Union	South Africa
Fiji	Spain ⁶
Gabon ⁶	Syrian Arab Republic ⁶
India	Tajikistan
Indonesia	Togo
Ireland	Turkey
Jordan	Ukraine
Kazakhstan	United Arab Emirates
Kenya	United Kingdom (effective 1 November)
Kuwait	United Republic of Tanzania
Latvia	United States
Luxembourg	Viet Nam (effective 1 January)
Madagascar	Zimbabwe ⁶
Malawi	

Denmark and Sweden deposited their instruments of accession to the Convention and Protocol in October and December 2015, respectively. The Convention and Protocol came into force for Denmark on 1 February 2016 and for Sweden on 1 April 2016.

⁶ Ratified/acceded to the Convention but not the Protocol.

⁷ For Aruba, Curaçao, Sint Maarten and the Caribbean part of the Netherlands (the islands of Bonaire, Sint Eustatius and Saba).

Spain deposited its instrument of accession to the Protocol in November 2015, having previously deposited its instrument of accession to the Convention in June 2013. The Convention and Protocol came into force for Spain on 1 March 2016.

Activity levels

All categories of activity grew in 2015. For the second consecutive year, the number of registrations grew by 15% to 115,255. This is the highest number of registrations recorded since go-live in 2006. The number of priority search certificates issued grew by 12% to 101,475. Registrations were made against 31,949 unique objects, an increase of 8%.

Registration revenue increased by 8% to \$1,883,950. The revenue generated for searches was \$2,232,450, up 12% from 2014. There was a significant increase in search revenue generated for Australia, (which became party to the Cape Town instruments in 2015) which saw an increase of 248% with 418 searches completed in 2015.

There were notable increases in certain types of registrations made. The number of subordinations increased by 53%, international interests increased by 10% and transfers of a right to consent to the discharge of a registration increased by 84%.

The changes in activity levels against the previous year are noted in the table below.

Number of objects against which interests were registered:	+8%
Number of registrations made:	+15%
Number of priority search certificates:	+12%

Administrators and users

There was an increase in the total number of administrators and users approved in 2015 compared with 2014. The figures grew by 6%, from 6,570 in 2014 to 6,939 in 2015. Licence renewal again showed growth, of 16% from 4,610 in 2014 to 5,338 in 2015, indicating that existing administrator accounts are continuously being renewed year on year. Replacement administrators fell by 33% to 195 in 2015.

There has been a significant decrease (33%) in the number of lost certificate applications from 853 in 2014 to 569 in 2015. The 2014 figure was unusually high as one administrator lost access to, and had to re-apply for, several hundred certificates stored on his computer.

The overall revenue for user account type transactions was \$2,689,700, broken down as follows:

User Set Up	Controlled Entity Set Up	Replacement Administrator	Lost Certificates	Entity Name Changes	Licence Renewals	Controlled Entity Renewals
\$1,348,400	\$64,080	\$9,750	\$5,690	\$39,200	\$1,067,600	\$154,980

Manufacturers Serial Numbers

By the end of the year, 48 manufacturers were regularly supplying the Registry with updates of the manufacturer serial numbers (MSNs) of airframes, helicopters and engines. As a result, approximately 352,000 MSNs are now stored on the Registry system. This information is electronically supplied to registering users. The use of such information, where supplied, is mandatory under Section 5.1 of the Regulations.

The cooperation of manufacturers in supplying this information to the Registry was arranged through the Aviation Working Group.

Registry availability⁸

The availability achieved in 2015 was 99.89% compared to 99.25% in 2014.

Registry Availability								
2007	2008	2009	2010	2011	2012	2013	2014	2015
99.35%	97.67%	99.32%	98.6%	99.73%	98.82%	98.71%	99.25%	99.89%

Improvements to the Registry system

In 2015, Aviareto issued four major quarterly releases of software to the Registry system. The software included new functionality, process improvements and security enhancements. All new software is tested by an external contractor (PricewaterhouseCoopers (PwC)) prior to release on the production environment with the goal of identifying new security vulnerabilities.

The most significant software change, released in May, was the 'closing room'. This functionality was keenly anticipated by the user community and was in development a considerable time. It allows the user to pre-position registrations in advance of a closing, offering greater efficiency in the registration process. It is particularly useful where the number of registrations and objects is substantial. This new feature has been developed in consultation with the industry experts, to ensure it fits with the practice of Registry users, and reflects the way a typical closing is structured and completed. During the period May to December 2015 over 64,000 registrations were made in the closing room, representing 55% of all registrations made for the year.

⁸ Registry availability is the percentage of time the International Registry was available to registry users and guests during the year.

Registry system security

The practice adopted by the Registrar for Registry system security is to conduct a full security audit (the Audit) each year and to follow that up, roughly six months later, with a review of progress on the issues raised in the Audit. PwC is the current security contractor. PwC carried out its first Audit in 2009.

Issues raised by PwC during the 2015 Audit were analysed and dealt with using a risk based approach with the highest risks being addressed first. Having external experts regularly review the security of the Registry system is a key control in the area of cybersecurity.

Liability insurance

Errors and omissions insurance cover was increased to \$150 million (from \$140 million in 2014).

Complaints

Section 8 of the Regulations and Section 14 of the Procedures make provision for operational complaints about the procedures and policies of the Registry. There is also provision for dissatisfied complainants to have recourse to the Supervisory Authority.

There was one official complaint received by the Registrar in 2015. This did not result in a submission to the Supervisory Authority. Details of this complaint are provided in Table 9.

Liaison with the user community

The Registrar continued to maintain close contact with the user community and conducted its customary annual survey of customer opinion during the second half of the year. Feedback from the user community and the outcome of the survey are important in the shaping of the programme for the Registry's future development. The overall weighted Registry user experience achieved a composite score of 8.44 (out of 10) in 2015 up from 8.24 in 2014. There has been continuous improvement in this figure since the survey commenced in 2007.

The Registrar took part in several Cape Town Convention and related seminars, including in Florida (March), London (May), Madrid (June), Seattle (July), Oxford (September) and New York (October).

The Registry Officials also provided face to face training seminars regarding the launch of the closing room and these took place during April in Dublin, Toronto and Oklahoma City. A webinar on the closing room also took place in November.

The Registry Advisory Board continued to provide advice to the Registrar and to contribute substantially to the development of policy and practice. It also acted as a valuable channel for user and industry feedback.

Tax free status

The concession granted by the Irish Revenue Commissioners to the Registrar exempting corporation tax in respect of its operation of the Registry was renewed for 2015.

International Standards Organisation (ISO)

The Registrar achieved successful re-certification to Standard ISO 27001:2013⁹ with the British Standards Institute. Successful audits also took place in 2015 for Standard ISO 9001:2008¹⁰ with the National Standards Authority of Ireland and ISO 22301:2012¹¹ with the British Standards Institute.

Financial performance of the Registrar

The Balance Sheet of the Registrar for 2015 as filed with the Irish Companies Registration Office are included in this report.

The Registrar had a surplus of \$1,063,588 of income over expenditure in 2015 (\$819,016: 2014) enabling it to achieve an accumulated shareholders' fund of \$6,005,480 (\$4,941,892: 2014) comprising \$5,765,445 of retained earnings and \$240,035 of called-up share capital. In the course of the year, capital expenditure on the system of \$2,118,146 was incurred. At year end the Registrar had deferred revenue obligations to its users of \$1,200,597 (\$1,119,255 in 2014).

⁹ ISO Information Security Management Systems

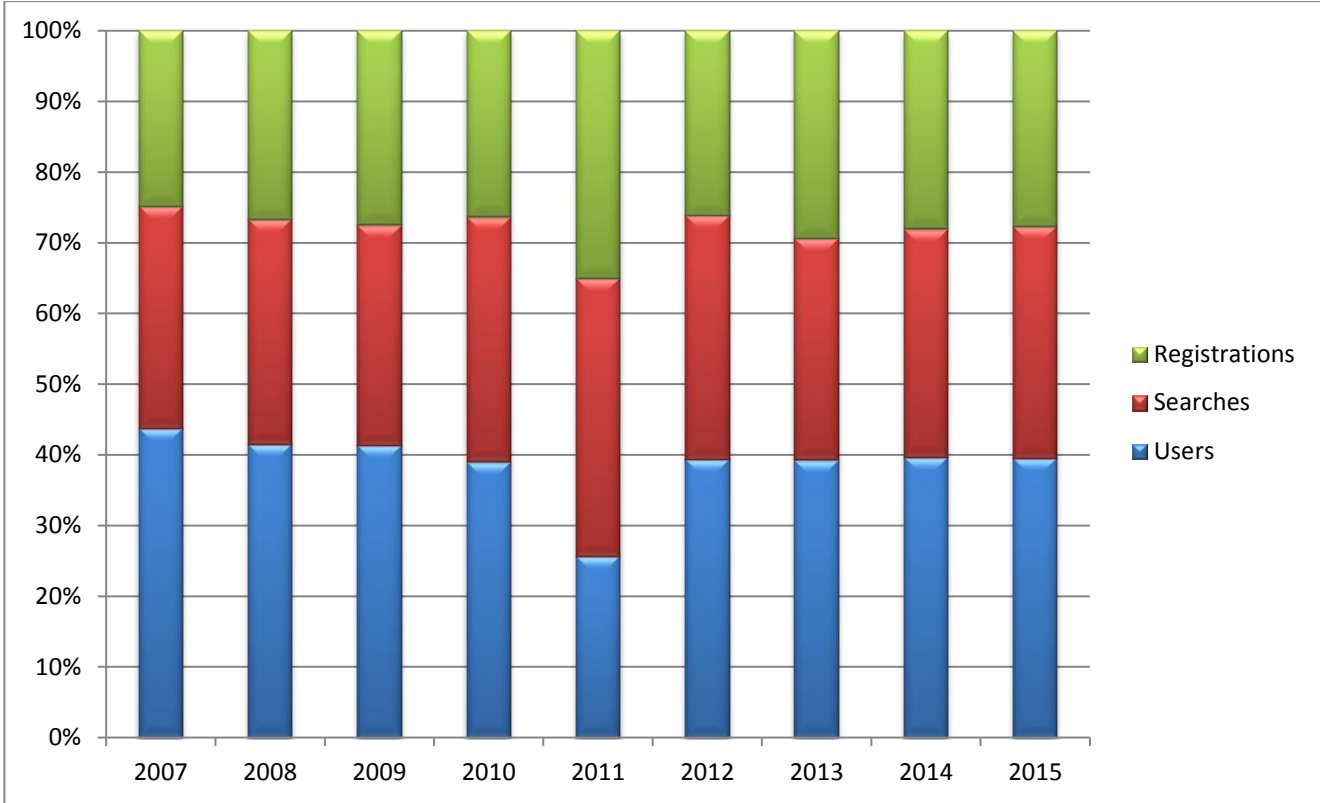
¹⁰ ISO Quality Management Systems

¹¹ ISO Business Continuity Management Systems

SOURCES OF REVENUE

Table 1 - Division of the Registrar’s cash income from three main categories: Users, Registrations and Searches¹²

Sources of Revenue



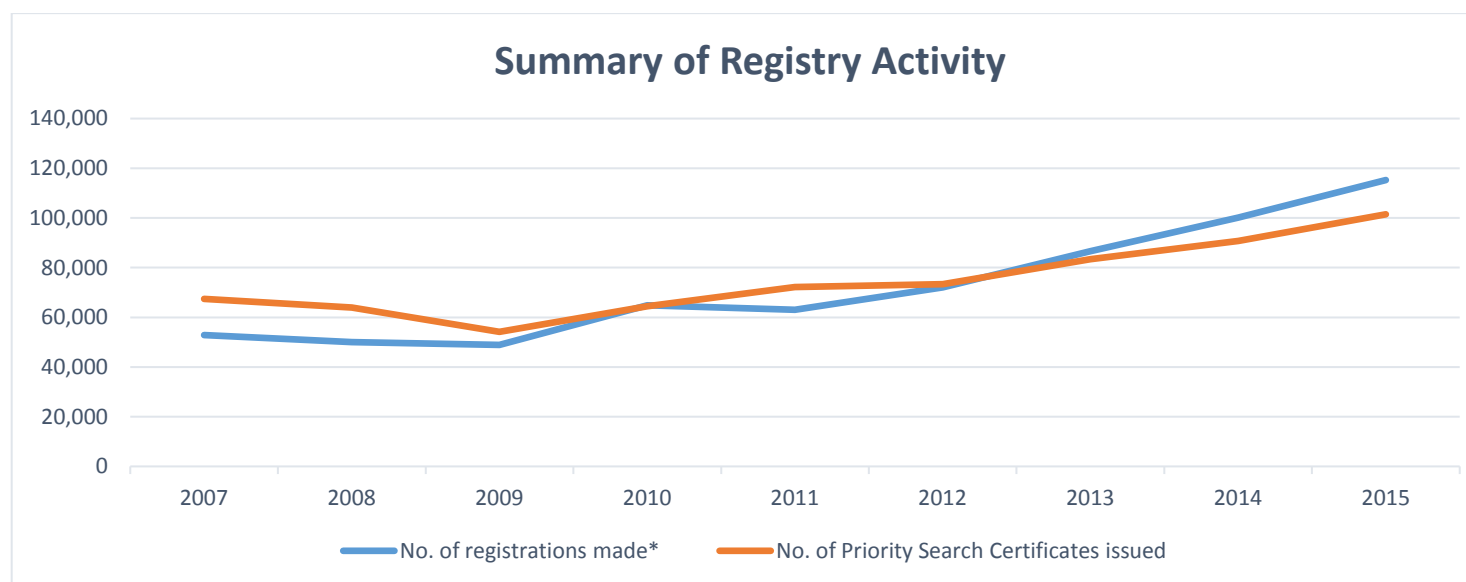
¹² All Fee Categories as outlined in Table 1 of the Fee Schedule Appendix to the Procedures are represented in this table. ‘Registrations’ is the sum of all revenue generated from registration fees and spare engine fees. ‘Users’ is the sum of all revenue generated from controlled entity set-up and renewal fees, user set-up and renewal fees, replacement administrator fees, entity name change fees and lost certificate fees. ‘Searches’ is the sum of all revenue generated from priority search fees.

SUMMARY OF REGISTRY ACTIVITY LEVELS

Table 2 – Summary of Registry activity levels since 2007

Activity	2007	2008	2009	2010	2011	2012	2013	2014	2015
No. of objects against which interests were registered	22,365	21,578	18,865	22,012	24,862	24,948	28,152	29,461	31,949
No. of registrations made*	52,819	50,060	48,903	64,829	63,060	72,034	86,612	100,188	115,255
No. of new administrators and users approved	6,822	5,402	4,073	4,340	5,100	5,310	6,325	6,570	6,939
No. of licence renewals	1,221	1,441	1,204	1,135	2,142	3,505	4,411	4,610	5,338
No. of Priority Search Certificates issued	67,402	63,974	54,169	64,404	72,253	73,406	83,412	90,788	101,475

* This figure is the total number of registrations made and, from 2012, includes transfers of a right to consent to the discharge of a registration.



TRANSACTION VOLUMES BY TYPE AND COUNTRY

Table 3 - Transaction Volumes by type and country in 2015

Country	Account Type Transactions							Registration Transactions		Searches
	User Set-Up	Controlled Entity Set-up	Replacement Administrator	Lost Certificates	Entity Name Changes	Licence Renewals	Controlled Entity Renewals	By State of Registry ¹³	By Location of Debtor ¹⁴	Search Certificates
Afghanistan	0	0	0	0	0	0	0	2	0	0
Albania	1	0	0	0	0	0	0	0	1	0
Angola	1	0	0	1	0	2	0	18	0	0
Antigua and Barbuda	2	0	0	0	0	1	0	3	5	9
Argentina	1	0	0	0	0	1	0	17	0	0
Armenia	0	0	0	0	0	0	0	0	0	9
Australia	99	0	0	10	2	27	2	261	386	418
Austria	10	0	0	0	1	6	0	21	25	16
Azerbaijan	1	0	0	0	0	0	0	0	6	0
Bahamas	10	0	0	0	0	5	0	0	16	1
Bahrain	3	0	0	0	0	3	0	1	6	4
Bangladesh	0	0	0	0	0	1	0	2	0	0
Barbados	1	0	0	0	0	2	0	0	37	3
Belarus	0	0	0	0	0	1	0	9	12	0
Belgium	3	0	0	0	0	3	0	19	8	1
Belize	4	0	0	0	0		0	0	9	0
Bolivia (Plurinational State of)	0	0	0	0	0	0	0	2	0	0
Brazil	48	0	3	12	6	32	0	963	1,030	1,327
Cameroon	2	0	0	0	0	0	0	10	3	0
Canada	243	2	10	35	9	281	3	1,520	3,830	2,584
Chad	0	0	0	0	0	0	0	0	0	2

¹³ This data represents registrations made on airframes and helicopters only, as engines do not have a State of registry.

¹⁴ This data represents the total number of registrations by country of location of the debtor. This figure does not include auto-discharges which may occur with amendment registrations made under Section 5.11(a) of the Regulations.

Country	Account Type Transactions							Registration Transactions		Searches
	User Set-Up	Controlled Entity Set-up	Replacement Administrator	Lost Certificates	Entity Name Changes	Licence Renewals	Controlled Entity Renewals	By State of Registry ¹³	By Location of Debtor ¹⁴	Search Certificates
Chile	2	0	0	0	0	1	1	39	182	0
China	88	3	5	8	0	69	2	920	845	984
Colombia	4	0	0	3	0	6	0	82	360	1
Comoros	0	0	0	0	0	1	0	0	0	0
Congo	1	0	0	0	0	0	0	1	3	0
Costa Rica	2	0	0	1	0	2	0	4	66	0
Côte d'Ivoire	1	0	0	0	0	0	0	0	0	0
Cyprus	7	0	0	0	0	6	0	2	12	1
Czech Republic	1	0	1	0	0	2	0	39	12	0
Denmark	9	0	2	0	0	8	1	26	30	132
Dominica	1	0	0	0	0	0	0	0	3	0
Dominican Republic	2	0	0	0	0	1	0	1	9	0
Ecuador	1	0	0	1	0	2	0	1	36	0
Egypt	3	0	0	0	0	1	0	9	10	0
El Salvador	0	0	0	1	0	1	0	0	79	0
Ethiopia	0	0	0	0	0	1	0	43	19	0
Fiji	0	0	0	2	0	2	0	5	3	0
Finland	1	0	0	0	0	1	0	10	0	8
France	59	32	0	13	1	57	67	184	1,973	101
Gabon	1	0	0	0	0	0	0	0	8	0
Germany	39	0	2	9	1	36	3	139	117	63
Guatemala	4	0	0	0	0	1	0	0	9	0
Honduras	0	0	0	0	0	1	0	3	0	0
Hungary	0	0	0	0	0	1	0	80	0	0
Iceland	1	0	0	1	0	2	0	10	14	0
India	32	0	2	3	1	15	1	373	341	2,349
Indonesia	16	0	1	3	0	21	0	1,148	517	26

Country	Account Type Transactions							Registration Transactions		Searches
	User Set-Up	Controlled Entity Set-up	Replacement Administrator	Lost Certificates	Entity Name Changes	Licence Renewals	Controlled Entity Renewals	By State of Registry ¹³	By Location of Debtor ¹⁴	Search Certificates
Ireland	474	103	24	93	20	386	230	852	7,821	8,659
Israel	3	0	0	0	0	3	0	3	9	0
Italy	5	3	1	3	1	7	0	60	267	0
Japan	202	45	7	3	1	138	105	32	1,105	114
Jordan	5	0	0	1	0	5	0	38	26	0
Kazakhstan	2	0	0	1	0	1	0	17	22	0
Kenya	7	0	0	0	0	8	0	33	44	16
Kuwait	3	0	0	1	0	2	0	97	75	4
Latvia	2	0	0	1	0	2	0	45	37	0
Lebanon	1	0	0	0	0	0	0	0	0	0
Liechtenstein	1	0	0	0	0	0	0	0	0	1
Lithuania	0	0	0	0	0	0	0	3	0	6
Luxembourg	28	1	13	6	0	31	0	41	183	43
Madagascar	1	0	0	0	0	0	0	19	27	0
Malaysia	33	3	2	6	2	63	7	409	849	82
Mali	0	0	0	0	0	1	0	0	0	0
Malta	16	0	1	6	0	13	0	184	180	81
Marshall Islands	0	0	0	0	0	1	0	1	0	0
Mauritania	0	0	0	0	0	1	0	0	0	0
Mauritius	4	0	1	1	0	10	0	0	13	0
Mexico	56	0	0	10	1	46	0	497	513	477
Mongolia	1	0	1	0	0	1	0	6	4	0
Morocco	1	0	0	0	0	0	0	11	0	0
Mozambique	0	0	0	0	0	2	0	1	3	0
Myanmar	7	0	0	0	2	4	0	52	44	0
Netherlands	10	3	0	1	0	13	3	46	179	730
Netherlands - Aruba	8	0	0	3	0	9	1	66	34	15

Country	Account Type Transactions						Registration Transactions		Searches	
	User Set-Up	Controlled Entity Set-up	Replacement Administrator	Lost Certificates	Entity Name Changes	Licence Renewals	Controlled Entity Renewals	By State of Registry ¹³	By Location of Debtor ¹⁴	Search Certificates
Netherlands - Curaçao	3	0	0	0	0	1	0	1	16	0
New Zealand	44	1	1	7	1	60	3	153	260	259
Niger	1	0	0	0	0	0	0	0	0	0
Nigeria	8	0	0	1	1	6	0	19	49	7
Norway	17	0	5	4	6	14	0	441	120	28
Oman	0	0	0	0	0	1	0	23	47	0
Pakistan	0	0	0	2	0	3	0	98	54	2
Panama	18	2	0	3	0	15	0	110	94	1
Papua New Guinea	3	0	0	0	0	1	0	17	5	0
Peru	2	0	0	1	0	1	0	0	75	0
Philippines	2	0	0	1	0	3	0	70	12	0
Poland	2	0	0	0	0	0	0	60	2	0
Portugal	3	0	0	0	0	2	0	31	39	0
Qatar	1	0	0	0	0	1	0	28	0	1
Republic of Korea	13	0	0	0	0	0	0	183	28	0
Republic of Moldova	3	0	0	0	0	0	0	3	3	0
Romania	2	0	0	0	0	1	0	2	3	0
Russian Federation	13	0	2	6	3	18	0	22	208	94
Rwanda	1	0	0	0	0	0	0	6	3	0
Saint Kitts and Nevis	3	0	0	0	0	0	0	0	14	0
San Marino	3	0	0	0	0	0	0	10	0	0
Saudi Arabia	8	0	0	0	0	7	0	42	151	0
Seychelles	2	0	0	0	0	0	0	0	3	0
Singapore	36	2	3	10	1	74	21	207	767	148
Slovakia	1	0	0	0	0	2	0	17	6	2
South Africa	32	0	0	1	0	17	0	224	203	42
Spain	8	0	0	1	0	6	0	113	25	6

Country	Account Type Transactions							Registration Transactions		Searches
	User Set-Up	Controlled Entity Set-up	Replacement Administrator	Lost Certificates	Entity Name Changes	Licence Renewals	Controlled Entity Renewals	By State of Registry ¹³	By Location of Debtor ¹⁴	Search Certificates
Sweden	13	0	1	3	2	8	2	18	110	54
Switzerland	18	9	1	3	1	32	0	4	379	30
Tajikistan	1	0	0	0	0	1	0	0	0	0
Thailand	1	0	0	2	0	4	0	193	6	0
Togo	0	0	0	0	0	1	0	0	0	0
Trinidad and Tobago	0	0	0	0	0	1	0	1	18	0
Turkey	8	0	1	4	0	24	0	513	434	17
Ukraine	0	0	0	1	0	3	0	30	13	7
United Arab Emirates	20	0	0	5	1	26	1	610	592	185
United Kingdom	119	3	13	28	3	96	6	429	576	3,404
United Kingdom - Anguilla	1	0	0	0	0	2	0	0	4	0
United Kingdom - Bermuda	34	0	3	3	0	47	21	258	288	32
United Kingdom – British Virgin Islands	93	0	0	6	0	88	5	6	444	32
United Kingdom - Cayman Islands	173	4	16	7	2	223	8	97	2,408	6
United Kingdom - Gibraltar	3	0	0	0	0	5	7	0	10	2
United Kingdom - Guernsey	8	0	0	0	0	6	0	2	71	12
United Kingdom - Isle of Man	18	0	0	2	0	11	0	25	102	14
United Kingdom - Jersey	6	0	1	1	0	0	1	0	13	23
United Republic of Tanzania	2	0	0	0	0	5	0	11	16	2
United States	4,406	140	71	227	127	3,170	359	18,505	40,497	78,779
Uruguay	7	0	0	0	0	2	0	0	9	0
Venezuela (Bolivarian Republic of)	5	0	0	0	0	0	0	5	0	0
Viet Nam	4	0	1	1	0	0	0	91	57	18
Total	6,744	356	195	569	196	5,338	860	31,156	69,691	101,474

Countries with no transactions have not been included.

TRANSACTION VOLUMES BY REVENUE AND COUNTRY

Table 4 - Transaction volumes by revenue and country in 2015

Country	Account Type Transactions							Searches
	User Set-Up	Controlled Entity Set-up	Replacement Administrator	Lost Certificates	Entity Name Changes	Licence Renewals	Controlled Entity Renewals	Search Certificates
Afghanistan	0	0	0	0	0	0	0	0
Albania	200	0	0	0	0	0	0	0
Angola	200	0	0	10	0	400	0	0
Antigua and Barbuda	400	0	0	0	0	200	0	198
Argentina	200	0	0	0	0	200	0	0
Armenia	0	0	0	0	0	0	0	198
Australia	19,800	0	0	100	400	5,400	360	9,196
Austria	2,000	0	0	0	200	1,200	0	352
Azerbaijan	200	0	0	0	0	0	0	0
Bahamas	2,000	0	0	0	0	1,000	0	22
Bahrain	600	0	0	0	0	600	0	88
Bangladesh	0	0	0	0	0	200	0	0
Barbados	200	0	0	0	0	400	0	66
Belarus	0	0	0	0	0	200	0	0
Belgium	600	0	0	0	0	600	0	22
Belize	800	0	0	0	0	0	0	0
Brazil	9,600	0	150	120	1,200	6,400	0	29,194
Cameroon	400	0	0	0	0	0	0	0
Canada	48,600	360	500	350	1,800	56,200	540	56,848
Chad	0	0	0	0	0	0	0	44
Chile	400	0	0	0	0	200	180	0

Country	Account Type Transactions							Searches
	User Set-Up	Controlled Entity Set-up	Replacement Administrator	Lost Certificates	Entity Name Changes	Licence Renewals	Controlled Entity Renewals	Search Certificates
China	17,600	540	250	80	0	13,800	360	21,648
Colombia	400	0	0	30	0	1,200	0	22
Comoros	0	0	0	0	0	200	0	0
Congo	200	0	0	0	0	0	0	0
Costa Rica	400	0	0	10	0	400	0	0
Côte d'Ivoire	200	0	0	0	0	0	0	0
Cyprus	1,400	0	0	0	0	1,200	0	22
Czech Republic	200	0	50	0	0	400	0	0
Denmark	1,800	0	100	0	0	1,600	180	2,904
Dominica	200	0	0	0	0	0	0	0
Dominican Republic	400	0	0	0	0	200	0	0
Ecuador	200	0	0	10	0	400	0	0
Egypt	600	0	0	0	0	200	0	0
El Salvador	0	0	0	10	0	200	0	0
Ethiopia	0	0	0	0	0	200	0	0
Fiji	0	0	0	20	0	400	0	0
Finland	200	0	0	0	0	200	0	176
France	11,800	5,760	0	130	200	11,400	12,060	2,222
Gabon	200	0	0	0	0	0	0	0
Germany	7,800	0	100	90	200	7,200	540	1,386
Guatemala	800	0	0	0	0	200	0	0
Honduras	0	0	0	0	0	200	0	0
Hungary	0	0	0	0	0	200	0	0
Iceland	200	0	0	10	0	400	0	0
India	6,400	0	100	30	200	3,000	180	51,678
Indonesia	3,200	0	50	30	0	4,200	0	572
Ireland	94,800	18,540	1,200	930	4,000	77,200	41,400	190,498

Country	Account Type Transactions							Searches
	User Set-Up	Controlled Entity Set-up	Replacement Administrator	Lost Certificates	Entity Name Changes	Licence Renewals	Controlled Entity Renewals	Search Certificates
Israel	600	0	0	0	0	600	0	0
Italy	1,000	540	50	30	200	1,400	0	0
Japan	40,400	8,100	350	30	200	27,600	18,900	2,508
Jordan	1,000	0	0	10	0	1,000	0	0
Kazakhstan	400	0	0	10	0	200	0	0
Kenya	1,400	0	0	0	0	1,600	0	352
Kuwait	600	0	0	10	0	400	0	88
Latvia	400	0	0	10	0	400	0	0
Lebanon	200	0	0	0	0	0	0	0
Liechtenstein	200	0	0	0	0	0	0	22
Lithuania	0	0	0	0	0	0	0	132
Luxembourg	5,600	180	650	60	0	6,200	0	946
Madagascar	200	0	0	0	0	0	0	0
Malaysia	6,600	540	100	60	400	12,600	1,260	1,804
Mali	0	0	0	0	0	200	0	0
Malta	3,200	0	50	60	0	2,600	0	1,782
Marshall Islands	0	0	0	0	0	200	0	0
Mauritania	0	0	0	0	0	200	0	0
Mauritius	800	0	50	10	0	2,000	0	0
Mexico	11,200	0	0	100	200	9,200	0	10,494
Mongolia	200	0	50	0	0	200	0	0
Morocco	200	0	0	0	0	0	0	0
Mozambique	0	0	0	0	0	400	0	0
Myanmar	1,400	0	0	0	400	800	0	0
Netherlands	2,000	540	0	10	0	2,600	540	16,060
Netherlands - Aruba	1,600	0	0	30	0	1,800	180	330

Country	Account Type Transactions							Searches
	User Set-Up	Controlled Entity Set-up	Replacement Administrator	Lost Certificates	Entity Name Changes	Licence Renewals	Controlled Entity Renewals	Search Certificates
Netherlands - Curaçao	600	0	0	0	0	200	0	0
New Zealand	8,800	180	50	70	200	12,000	540	5,698
Niger	200	0	0	0	0	0	0	0
Nigeria	1,600	0	0	10	200	1,200	0	154
Norway	3,400	0	250	40	1,200	2,800	180	616
Oman	0	0	0	0	0	200	0	0
Pakistan	0	0	0	20	0	600	0	44
Panama	3,600	360	0	30	0	3,000	0	22
Papua New Guinea	600	0	0	0	0	200	0	0
Peru	400	0	0	10	0	200	0	0
Philippines	400	0	0	10	0	600	0	0
Poland	400	0	0	0	0	0	0	0
Portugal	600	0	0	0	0	400	0	0
Qatar	200	0	0	0	0	200	0	22
Republic of Korea	2,600	0	0	0	0	0	0	0
Republic of Moldova	600	0	0	0	0	0	0	0
Romania	400	0	0	0	0	200	0	0
Russian Federation	2,600	0	100	60	600	3,600	0	2,068
Rwanda	200	0	0	0	0	0	0	0
Saint Kitts and Nevis	600	0	0	0	0	0	0	0
San Marino	600	0	0	0	0	0	0	0
Saudi Arabia	1,600	0	0	0	0	1,400	0	0
Seychelles	400	0	0	0	0	0	0	0
Singapore	7,200	360	150	100	200	14,800	3,780	3,256
Slovakia	200	0	0	0	0	400	0	44

Country	Account Type Transactions							Searches
	User Set-Up	Controlled Entity Set-up	Replacement Administrator	Lost Certificates	Entity Name Changes	Licence Renewals	Controlled Entity Renewals	Search Certificates
South Africa	6,400	0	0	10	0	3,400	0	924
Spain	1,600	0	0	10	0	1,200	0	132
Sweden	2,600	0	50	30	400	1,600	360	1,188
Switzerland	3,600	1,620	50	30	200	6,400	0	660
Tajikistan	200	0	0	0	0	200	0	0
Thailand	200	0	0	20	0	800	0	0
Togo	0	0	0	0	0	200	0	0
Trinidad and Tobago	0	0	0	0	0	200	0	0
Turkey	1,600	0	50	40	0	4,800	0	374
Ukraine	0	0	0	10	0	600	0	198
United Arab Emirates	4,000	0	0	50	200	5,200	180	4,070
United Kingdom	23,800	540	650	280	600	19,200	1,080	74,888
United Kingdom - Anguilla	200	0	0	0	0	400	0	0
United Kingdom – Bermuda	6,800	0	150	30	0	9,400	3,780	682
United Kingdom - Cayman Islands	34,200	720	800	70	400	44,600	1,440	132
United Kingdom - Gibraltar	600	0	0	0	0	1,000	1,260	44
United Kingdom - Guernsey	1,600	0	0	0	0	1,200	0	264
United Kingdom - Isle Of Man	3,600	0	0	20	0	2,200	0	308
United Kingdom - Jersey	1,200	0	50	10	0	0	180	506

Country	Account Type Transactions							Searches
	User Set-Up	Controlled Entity Set-up	Replacement Administrator	Lost Certificates	Entity Name Changes	Licence Renewals	Controlled Entity Renewals	Search Certificates
United Kingdom - Virgin Islands	18,600	0	0	60	0	17,600	900	704
United Republic of Tanzania	400	0	0	0	0	1,000	0	44
United States	881,200	25,200	3,550	2,270	25,400	634,000	64,620	1,733,138
Uruguay	1,400	0	0	0	0	400	0	0
Venezuela (Bolivarian Republic of)	1,000	0	0	0	0	0	0	0
Viet Nam	800	0	50	10		0	0	396
Total	1,348,400	64,080	9,750	5,690	39,200	1,067,600	154,980	2,232,450

REGISTRATIONS BY REGISTRATION TYPE

Table 5 – Registrations by Registration Type (2010 to 2015)

Registration Type	Create						Amend						Discharge					
	2010	2011	2012	2013	2014	2015	2010	2011	2012	2013	2014	2015	2010	2011	2012	2013	2014	2015
International interest	14,657	18,478	18,201	23,744	25,716	28,293	101	108	159	165	251	184	11,464	9,147	10,551	12,937	14,875	17,485
Prospective international interest	6,402	6,590	6,734	7,338	6,830	5,429	23	11	44	153	30	43	3,974	2,116	3,019	3,872	3,444	4,218
Assignment of an international interest	4,873	5,615	5,927	6,832	10,160	11,066	-	-	14	40	23	22	4,561	2,470	3,055	3,607	5,298	6,239
Prospective assignment of an international interest	2,681	1,481	2,339	2,594	2,682	2,069	-	-	6	11	4	16	757	319	619	699	805	1,576
Contract of sale	13,307	14,030	14,910	16,994	19,086	20,309	71	77	59	77	134	109	28	20	25	65	170	121
Prospective contract of sale	441	1,334	480	782	796	728	1	4	1	2	-	5	12	21	54	10	29	13
Subordination	859	942	788	792	853	1,308	-	-	-	95	6	-	574	251	499	645	499	420
International interest acquired through subrogation	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Registrable non-consensual right or interest	15	32	98	128	112	206	-	-	-	1	2	2	20	9	33	43	87	71
Assignment of registrable non-consensual right or interest	1	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-
Pre-existing right or interest under Article 60 (3) of the Convention	-	1	-	-	3	-	-	-	-	-	-	-	-	-	-	-	-	3
Notice of national interest	6	2	4	21	11	2	-	-	3	-	-	-	-	2	-	-	3	-
Transfer of a right to consent to the discharge of a registration	-	3,484	4,411	4,965	8,279	15,318	-	-	-	-	-	-	-	-	-	-	-	-
Total	43,242	51,989	53,892	64,190	74,528	84,728	196	200	287	544	450	381	21,391	14,355	17,855	21,878	25,210	30,146

APPROVED ENTITIES BY COUNTRY

Table 6 - Approved Entities by country as of 31 December 2015 (Total 11,312)

Country	Total
Albania	1
Angola	2
Antigua and Barbuda	2
Argentina	2
Australia	107
Austria	12
Azerbaijan	1
Bahamas	15
Bahrain	6
Bangladesh	1
Barbados	3
Belarus	1
Belgium	6
Belize	4
Brazil	68
Cameroon	1
Canada	479
Chile	2
China	144
Colombia	10
Comoros	1
Congo	1
Costa Rica	4
Côte d'Ivoire	1
Cyprus	13
Czech Republic	3
Denmark	16
Dominica	1
Dominican Republic	3
Ecuador	3
Egypt	4
El Salvador	1

Country	Total
Ethiopia	1
Fiji	2
Finland	2
France	109
Gabon	1
Germany	68
Greece	1
Guatemala	4
Honduras	1
Hungary	2
Iceland	3
India	40
Indonesia	30
Ireland	813
Israel	5
Italy	12
Japan	318
Jordan	8
Kazakhstan	2
Kenya	14
Kuwait	6
Latvia	4
Liechtenstein	1
Luxembourg	56
Madagascar	1
Malaysia	86
Mali	1
Malta	29
Marshall Islands	1
Mauritania	1
Mauritius	12
Mexico	91

Country	Total
Mongolia	2
Morocco	1
Mozambique	2
Myanmar	7
Netherlands	24
Netherlands - Aruba	16
Netherlands - Curaçao	4
New Zealand	88
Niger	1
Nigeria	13
Norway	27
Oman	1
Pakistan	3
Panama	31
Papua New Guinea	3
Peru	2
Philippines	5
Poland	2
Portugal	4
Qatar	2
Republic of Korea	11
Republic of Moldova	2
Romania	2
Russian Federation	31
Rwanda	1
Saint Kitts and Nevis	3
San Marino	2
Saudi Arabia	14
Seychelles	2
Singapore	103
Slovakia	3
South Africa	39

Country	Total
Spain	12
Sweden	20
Switzerland	47
Tajikistan	1
Thailand	7
Togo	1
Trinidad and Tobago	1
Turkey	30
Ukraine	3
United Arab Emirates	41
United Kingdom	174
United Kingdom - Anguilla	3
United Kingdom – Bermuda	78
United Kingdom – British Virgin Islands	174
United Kingdom – Cayman Islands	359
United Kingdom - Gibraltar	8
United Kingdom - Guernsey	14
United Kingdom – Isle of Man	29
United Kingdom - Jersey	6
United Republic of Tanzania	7
United States	7,187
Uruguay	6
Venezuela (Bolivarian Republic of)	3
Viet Nam	4
Total	11,312

SYSTEM AVAILABILITY

Table 7 – System Availability

There is a contractual target to maintain a system availability of 100%, subject to the provisions of the Service Level Agreement.¹⁵

Table 7 outlines the availability actually achieved based on the standard that if any function of the Registry is unavailable to users then the system as a whole is treated as being unavailable. The average availability for 2015 was 99.74% compared to 99.25% for 2014.

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec
System Availability Achieved	99.70%	99.34%	100%	100%	99.76%	100%	100%	99.27%	99.93%	99.73%	99.5%	99.89%
System Downtime (minutes)												
Planned	0	223	0	0	104	0	0	122	0	214	72	0
Unplanned	132	45	0	0	0	0	0	202	27	30	145.5	48

¹⁵ Article 8.2.1 of the Contract.

CHANGES MADE TO THE REGISTRY SYSTEM

Set out below is a list of the changes made to the Registry system during the year. It includes enhancements and the remediation of “bugs” that became evident during operations.

Table 8– Changes made to the Registry system

Release Date	Version Number	Type	Reference	Changes
02/02/2015	2.7.0	Enhancement	ISS-386	Closing Room: Create a pre-registration report containing the required registration information
02/02/2015	2.7.0	Enhancement	ISS-386	Closing Room: Allow a coordinating entity to input AEP codes in registrations
02/02/2015	2.7.0	Enhancement	ISS-386	Closing Room: Each registration made within a closing room will be given a reference number
02/02/2015	2.7.0	Enhancement	ISS-386	Closing Room: Access control to allow only one user the ability to edit the closing room
02/02/2015	2.7.0	Enhancement	ISS-386	Closing Room: Allow a coordinating entity to delete an existing closing room
02/02/2015	2.7.0	Enhancement	ISS-386	Closing Room: General updates following feedback sessions on closing room
02/02/2015	2.7.0	Enhancement	ISS-386	Closing Room: Allow a coordinating entity to add the remaining registration types to the closing room
02/02/2015	2.7.0	Enhancement	ISS-386	Closing Room: Allow a participant to view the closing room consent required
02/02/2015	2.7.0	Enhancement	ISS-386	Closing Room: Allow a participant consent to a closing room registration
02/02/2015	2.7.0	Enhancement	ISS-386	Closing Room: Create formatted pre-registration report
02/02/2015	2.7.0	Enhancement	ISS-386	Closing Room: Allow a participant to revoke consent to a closing room registration
02/02/2015	2.7.0	Enhancement	ISS-386	Closing Room: Generate and send the email required for a closing room
02/02/2015	2.7.0	Enhancement	ISS-386	Closing Room: Allow a coordinating entity to see the status of each closing room registration
02/02/2015	2.7.1	Bug	ISS-454	Issue with Search History permissions resolved
17/02/2015	2.7.2	Bug	ISS-512	Unable to download transaction logs – limited to 100

28/05/2015	2.8.0	Enhancement	ISS-386	Closing Room: Allow a coordinating entity to assign a prepositioned registration or transfer the RTD of a prepositioned registration
28/05/2015	2.8.0	Enhancement	ISS-386	Closing Room: Allow a coordinating entity to preview the registration report before the closing room is locked
28/05/2015	2.8.0	Enhancement	ISS-386	Closing Room: Validity checks of registrations to take place at designated points during the lifetime of a closing room
28/05/2015	2.8.0	Enhancement	ISS-386	Closing Room: Allow a coordinating entity to perform priority searches on objects within a locked or released closing room
28/05/2015	2.8.0	Bug	ISS-386	Resolve all "high" issues raised by PWC
28/05/2015	2.8.0	Enhancement	ISS-386	Closing Room: Allow a coordinating entity to pay and release a closing room
28/05/2015	2.8.0	Enhancement	ISS-386	Closing Room: Check the closing room went live in the same order as the pre-registration report
28/05/2015	2.8.0	Enhancement	ISS-386	Closing Room: Status of a closing room to be displayed in colour based on validity rules
28/05/2015	2.8.0	Enhancement	ISS-386	Closing Room: Remove AEP by pass during a closing room
28/05/2015	2.8.0	Enhancement	ISS-386	Closing Room: Add cross reference list to go live email (closing room)
28/05/2015	2.8.0	Enhancement	ISS-386	Closing Room: Allow a coordinating entity to consent to all registrations they have authorisation to consent to, in a single action
28/05/2015	2.8.0	Enhancement	ISS-386	Closing Room: Update consent notification emails to advise users why they are receiving the email
28/05/2015	2.8.0	Enhancement	ISS-386	Closing Room: Move AEP code declaration to the top of the page
28/05/2015	2.8.0	Enhancement	ISS-386	Closing Room: An RO will be able to view all locked or released closing rooms and have access to the pre-registration report
28/05/2015	2.8.0	Enhancement	ISS-386	Closing Room: Add an additional step before locking or unlocking a closing room
28/05/2015	2.8.0	Enhancement	ISS-386	Closing Room: Create a button in the closing room which will contain the closing room actions

28/05/2015	2.8.0	Enhancement	ISS-386	Closing Room: Automatically unlock the closing room after the lock period has expired – Notification to be sent to all parties
28/05/2015	2.8.0	Enhancement	ISS-386	Closing Room: Allow a coordinating entity to extend the locked period of time by X days up to Y times in succession where X and Y are configurable
25/08/2015	2.9.0	Enhancement	ISS-386	Closing Room: The coordinating entity of a closing room will be able to easily select an object that already exists in a closing room
25/08/2015	2.9.0	Enhancement	IR-6015	Software coding improvements
25/08/2015	2.9.0	Enhancement	ISS-489	Add a call back button to application process
25/08/2015	2.9.0	Enhancement	ISS-491	Administrators can now disable their own accounts
25/08/2015	2.9.0	Enhancement	ISS-523	ROs can manage manufacturers/upload new MSN data. The MSN file will be validated before completing upload
25/08/2015	2.9.0	Enhancement	ISS-501	Administrators/users can download invoices created by their entities
25/08/2015	2.9.0	Enhancement	ISS-339	Administrators can now view their Backup contact details
25/08/2015	2.9.0	Enhancement	ISS-128	Update terminology from “re-activate” to “renew”
25/08/2015	2.9.0	Enhancement	ISS-517	Entity name change requests to be sent to registryofficials@aviareto.aero
25/08/2015	2.9.0	Enhancement	ISS-257	Update the management of delegations
25/08/2015	2.9.0	Enhancement	ISS-495	System to accept payment from Carte Bleu
25/08/2015	2.9.0	Enhancement	ISS-241	RO can now upload credit for any entity
25/08/2015	2.9.0	Enhancement	IR-6014	Review all technologies and software versions on IR and upgrade where appropriate
25/08/2015	2.9.0	Bug	ISS-386	Closing Room user access issue resolved
25/08/2015	2.9.0	Enhancement	ISS-254	Spacing for terms & conditions of use
25/08/2015	2.9.0	Bug	ISS-506	Feedback message or “refuse merger” action appears with no text
25/08/2015	2.9.0	Bug	ISS-174	Dialog headings for consenting RTD transfer should be “confirm consent” and “confirm consent refusal”

25/08/2015	2.9.0	Enhancement	ISS-206	Insert link to ICAO website on documentation page
25/08/2015	2.9.0	Enhancement	ISS-434	Change the name for the Spanish quick guide to searching
25/08/2015	2.9.0	Enhancements	ATT-461	Updates to delegation advisory text and emails
28/10/2015	2.10.0	Enhancements	ISS-536	User entity can elect to hide specific information for their entity in future entity searches
28/10/2015	2.10.0	Enhancements	ISS-535	Allow a user to view details & select multiple prepositioned registrations when assigning within the closing room
28/10/2015	2.10.0	Enhancements	ISS-354	Update to distribution of the go-live notification email
28/10/2015	2.10.0	Enhancements	ISS-203	Show entity reference on mouse hover
28/10/2015	2.10.0	Enhancements	ISS-528	Status page for the IR website
28/10/2015	2.10.0	Enhancements	ISS-433	Update additional pages with webtrend tags
28/10/2015	2.10.0	Enhancements	ISS-424	Update applet to remove inactive certificates from login view
28/10/2015	2.10.0	Enhancements	ISS-538	Allow a suspended user to update the pin on their entity credit account (if one exists)
28/10/2015	2.10.0	Enhancements	ISS-529	Java plugin to become unsupported by chrome
28/10/2015	2.10.0	Enhancements	ISS-258	Emails sent by the Registry will not list all recipients in "to" & "cc" field
28/10/2015	2.10.0	Enhancements	IR:6116	RTD transfers that occur outside the closing room will be put live using the same Go-live process
28/10/2015	2.10.0	Enhancements	IR:6134	Allow a coordinating entity to transfer a closing room to another entity
28/10/2015	2.10.0	Enhancements	IR:6135	Attach the CEA form as a PDF to the application email rather than plain text
28/10/2015	2.10.0	Enhancements	ISS-544	Log in activity audit when a user views/downloads from the IR
28/10/2015	2.10.0	Enhancements	ISS-290	Provide link to manufacturers descriptive document from MSN search dialog
9/12/2015	2.10.2	Enhancements	ISS-576	Tamper check alert due to row lock in the row count table
9/12/2015	2.10.2	Bug	ISS-573	User unable to renounce/revoke a delegation

OPERATIONAL COMPLAINTS TO THE REGISTRAR AND THE SUPERVISORY AUTHORITY

Table 9 – Operational complaints made to the Registrar (2015)

Section 8 of the Regulations, read with Section 14 of the Procedures¹⁶, provide that any person can submit a complaint to the Registrar “concerning the operation of the Registry” where “the matter relates to the general procedures and policies of the Registry and does not involve specific adjudication by the Registrar or Supervisory Authority”. If, within 30 calendar days of making the complaint, the person does not consider that the matter has been or is being satisfactorily addressed by the Registrar, that person may submit the complaint to the Supervisory Authority.

During 2015, there was one operational complaint made to the Registrar, which did not give rise to a complaint to the Supervisory Authority.

Date of Complaint	Issue	Date Resolved	Comment
11/11/2015	The complaint was received via the Registry website regarding the inability to view the entity status when searching as a guest user on the Registry.	12/11/2015	The user was advised that this was a regulatory and functionality change and hence, we were required to make such an amendment to the Registry entity search criteria. The user accepted this response.

¹⁶ See footnote 4 above.

AVIARETO BALANCE SHEET AS AT 31 DECEMBER 2015

	2015	2014
	US\$	US\$
FIXED ASSETS		
Intangible assets	4,640,381	4,093,240
Tangible assets	414,804	361,235
	<u>5,055,185</u>	<u>4,454,475</u>
CURRENT ASSETS		
Debtors	2,361,714	415,570
Cash at bank and in hand	654,576	1,927,612
	<u>3,016,290</u>	<u>2,343,182</u>
CREDITORS:		
Amounts falling due within one year	(2,065,995)	(1,855,765)
	<u>950,295</u>	<u>487,417</u>
NET CURRENT ASSETS		
	<u>6,005,480</u>	<u>4,941,892</u>
NET ASSETS		
CAPITAL AND RESERVES		
Called up share capital presented as equity	240,035	240,035
Profit and loss account	5,765,445	4,701,857
	<u>6,005,480</u>	<u>4,941,892</u>
Shareholders' surplus		
	<u>6,005,480</u>	<u>4,941,892</u>

The financial statements were approved by the Board of Directors on 28 April 2016 and signed on its behalf by:

Brian Skehan
Director

Robert Cowan
Director