

APPENDIX 1. TABLES RELATING TO THE WORLD OF AIR TRANSPORT IN 2015

General Note.— The statistical data for 2015 appearing in this Report are to be considered as preliminary: experience shows that the margin of error for world totals is probably less than 2 per cent, except in the case of financial data where it may be considerably higher. Unless otherwise noted:

- a) all statistical data are applicable to ICAO Member States;
- b) traffic statistics are for revenue scheduled services;
- c) the expression “tonne-kilometre” means metric tonne-kilometre;
- d) total airline financial statistics relate to scheduled as well as non-scheduled services of scheduled airlines.

Table 1. World total revenue traffic — international and domestic
(scheduled services, 2006–2015)

Year	Passengers		Passenger-km		Freight tonnes		Freight tonne-km		Mail tonne-km		Revenue tonne-km	
	(millions)	Annual increase %	(millions)	Annual increase %	(millions)	Annual increase %	(millions)	Annual increase %	(millions)	Annual increase %	(millions)	Annual increase %
2006	2 257	5.6	4 164 799	6.2	38.8	6.2	164 388	6.6	4 419	-2.6	555 244	6.2
2007	2 456	8.8	4 506 866	8.2	41.2	6.2	172 286	4.8	4 391	-0.6	592 081	6.6
2008	2 492	1.5	4 596 903	2.0	39.9	-3.2	170 631	-1.0	4 886	11.3	601 855	1.7
2009	2 482	-0.4	4 548 494	-1.1	39.5	-0.8	155 484	-8.9	4 619	-5.5	576 024	-4.3
2010	2 698	8.7	4 910 282	8.0	47.1	19.2	186 230	19.8	4 855	5.1	643 670	11.7
2011	2 863	6.1	5 233 276	6.6	48.2	2.2	186 789	0.3	5 005	3.1	675 610	5.0
2012	2 996	4.6	5 513 221	5.3	47.5	-1.4	184 841	-1.0	5 194	3.8	699 177	3.5
2013	3 130	4.5	5 816 045	5.5	48.6	2.3	185 576	0.4	5 585	7.5	728 853	4.2
2014	3 308	5.7	6 163 670	6.0	50.1	3.3	194 215	4.7	6 075	8.8	771 587	5.9
2015	3 533	6.8	6 601 465	7.1	50.7	1.2	197 549	1.7	6 556	7.9	817 030	5.9

Source.— ICAO Air Transport Reporting Form A and A-S plus ICAO estimates.

Table 2. World revenue traffic — international
(scheduled services, 2006–2015)

Year	Passengers		Passenger-km		Freight tonnes		Freight tonne-km		Mail tonne-km		Revenue tonne-km	
	(millions)	Annual increase %	(millions)	Annual increase %	(millions)	Annual increase %	(millions)	Annual increase %	(millions)	Annual increase %	(millions)	Annual increase %
2006	808	9.3	2 515 282	8.1	22.9	6.4	138 910	6.7	2 894	2.4	378 134	7.5
2007	893	10.5	2 732 782	8.6	24.3	6.3	145 881	5.0	3 037	4.9	403 183	6.6
2008	927	3.9	2 817 467	3.1	24.1	-0.9	144 661	-0.8	3 226	6.2	410 136	1.7
2009	940	1.3	2 781 529	-1.3	23.5	-2.3	131 929	-8.8	3 207	-0.6	394 144	-3.9
2010	1 039	10.6	3 018 105	8.5	30.4	29.2	160 672	21.8	3 412	6.4	447 395	13.5
2011	1 128	8.5	3 248 078	7.6	31.3	2.8	161 331	0.4	3 486	2.2	470 347	5.1
2012	1 195	6.0	3 447 283	6.1	30.8	-1.6	159 069	-1.4	3 618	3.8	486 403	3.4
2013	1 257	5.2	3 643 963	5.7	31.5	2.2	159 554	0.3	3 936	8.8	506 087	4.0
2014	1 338	6.4	3 870 383	6.2	32.6	3.6	167 423	4.9	4 323	9.8	536 886	6.1
2015	1 436	7.3	4 141 900	7.0	33.1	1.5	170 508	1.8	4 610	6.6	566 662	5.5

Source.— ICAO Air Transport Reporting Form A and A-S plus ICAO estimates.

Table 3. Trends in load factors — international and domestic
(scheduled services, 2006–2015)

Year	Passenger-km (millions)	Seat-km available (millions)	Passenger load factor %	Freight tonne-km (millions)	Mail tonne-km (millions)	Revenue tonne-km (millions)	Total tonne-km available (millions)	Weight load factor %
2006	4 164 799	5 493 366	76	164 388	4 419	555 244	885 612	63
2007	4 506 866	5 867 954	77	172 286	4 391	592 081	944 037	63
2008	4 596 903	6 054 298	76	170 631	4 886	601 855	969 373	62
2009	4 548 494	5 931 655	77	155 484	4 619	576 024	929 015	62
2010	4 910 282	6 281 528	78	186 230	4 855	643 670	963 251	67
2011	5 233 276	6 708 759	78	186 789	5 005	675 610	1 021 502	66
2012	5 513 221	6 990 950	79	184 841	5 194	699 177	1 052 221	66
2013	5 816 045	7 317 432	79	185 576	5 585	728 853	1 090 728	67
2014	6 163 670	7 731 872	80	194 215	6 075	771 587	1 151 894	67
2015	6 601 465	8 214 872	80	197 549	6 556	817 030	1 221 228	67

Source.— ICAO Air Transport Reporting Form A and A-S plus ICAO estimates.

Table 4. Regional distribution of scheduled traffic — 2015

By ICAO statistical region	Aircraft kilometres (millions)	Aircraft departures (thousands)	Passengers carried (thousands)	Passenger-kilometres (millions)	Passenger load factor (%)	Freight tonne-km (millions)	Revenue tonne-km (millions)	Tonne-kilometres available (millions)	Weight load factor (%)
Total (international and domestic) services									
Europe	11 430	8 308	927 757	1 765 131	82	43 088	213 307	298 978	71
Percentage of world traffic	24.7	24.4	26.3	26.7		21.8	26.1	24.5	
Africa	1 246	1 016	73 979	142 924	68	3 339	16 773	29 457	57
Percentage of world traffic	2.7	3.0	2.1	2.2		1.7	2.1	2.4	
Middle East	3 058	1 228	186 705	606 406	76	28 022	86 536	136 162	64
Percentage of world traffic	6.6	3.6	5.3	9.2		14.2	10.6	11.1	
Asia and Pacific	13 950	9 788	1 205 703	2 108 450	79	78 075	273 066	396 319	69
Percentage of world traffic	30.2	28.8	34.1	31.9		39.5	33.4	32.5	
North America	13 651	10 817	878 458	1 629 202	84	39 294	188 802	300 989	63
Percentage of world traffic	29.5	31.8	24.9	24.7		19.9	23.1	24.6	
Latin America and Caribbean	2 883	2 859	260 172	349 353	79	5 731	38 545	59 323	65
Percentage of world traffic	6.2	8.4	7.4	5.3		2.9	4.7	4.9	
Total	46 218	34 017	3 532 774	6 601 465	80	197 549	817 030	1 221 228	67
International services									
Europe	9 545	5 585	688 738	1 538 889	82	41 910	190 401	265 819	72
Percentage of world traffic	38.2	50.1	48.0	37.2		24.6	33.6	31.6	
Africa	992	526	46 092	121 467	67	3 262	14 702	26 305	56
Percentage of world traffic	4.0	4.7	3.2	2.9		1.9	2.6	3.1	
Middle East	2 835	918	152 860	578 944	76	27 943	83 875	132 180	63
Percentage of world traffic	11.3	8.2	10.6	14.0		16.4	14.8	15.7	
Asia and Pacific	6 703	2 261	352 801	1 165 809	78	69 203	181 001	258 515	70
Percentage of world traffic	26.8	20.3	24.6	28.1		40.6	31.9	30.8	
North America	3 636	1 273	135 813	561 709	82	23 272	74 985	124 337	60
Percentage of world traffic	14.5	11.4	9.5	13.6		13.6	13.2	14.8	
Latin America and Caribbean	1 301	588	59 389	175 082	79	4 917	21 699	33 099	66
Percentage of world traffic	5.2	5.3	4.1	4.2		2.9	3.8	3.9	
Total	25 013	11 151	1 435 692	4 141 900	80	170 508	566 662	840 255	67

Note.— The sum of the individual regions may not match the totals due to rounding.

Source.— ICAO Air Transport Reporting Form A and A-S plus ICAO estimates.

Table 5. Revenue tonne-kilometres and passenger-kilometres on scheduled services^{1,2}
(countries and groups of countries whose airlines performed more than 100 million total tonne-kilometres in 2015³)

Country or group of countries	REVENUE TONNE-KILOMETRES (millions) (passengers, freight and mail)								REVENUE PASSENGER-KILOMETRES (millions)							
	Total services (international and domestic)				International services				Total services (international and domestic)				International services			
	Rank number in 2015	2015	2014	Increase or decrease (%)	Rank number in 2015	2015	2014	Increase or decrease (%)	Rank number in 2015	2015	2014	Increase or decrease (%)	Rank number in 2015	2015	2014	Increase or decrease (%)
United States	1	170 585	165 687	3	1	61 944	62 360	-1	1	1 451 694	1 387 790	5	1	436 967	429 889	2
China ⁴	2	84 872	74 434	14	5	29 028	23 691	23	2	725 901	630 823	15	5	169 981	129 495	31
Hong Kong SAR ⁵		24 910	23 085	8		24 910	23 085	8		136 156	122 614	11		136 156	122 614	11
Macao SAR ⁶		403	368	10		403	368	10		3 779	3 442	10		3 779	3 442	10
United Arab Emirates	3	52 101	47 053	11	2	52 101	47 053	11	3	357 194	319 148	12	2	357 194	319 148	12
United Kingdom	4	31 831	30 862	3	3	31 065	30 134	3	4	283 184	274 966	3	3	274 528	266 563	3
Germany	5	31 499	30 783	2	4	30 507	29 776	2	5	244 664	234 201	4	4	234 622	224 016	5
Japan	6	23 142	22 068	5	12	15 527	14 581	6	9	167 906	158 096	6	16	79 992	71 949	11
France	7	22 974	22 211	3	8	18 295	17 732	3	6	184 146	178 138	3	7	143 494	137 645	4
Republic of Korea	8	22 561	21 753	4	6	21 803	21 064	4	16	119 739	111 594	7	11	112 357	104 959	7
Russian Federation	9	21 061	20 421	3	15	11 635	11 803	-1	7	179 680	176 360	2	15	82 983	90 352	-8
Turkey	10	18 688	16 442	14	11	15 587	13 745	13	10	157 419	137 171	15	8	126 684	110 533	15
Singapore	11	18 616	18 312	2	7	18 616	18 312	2	14	123 329	121 280	2	10	123 329	121 280	2
Canada	12	18 217	16 897	8	14	13 040	11 984	9	8	177 507	162 732	9	9	124 742	112 558	11
Qatar	13	17 360	14 293	21	9	17 360	14 293	21	17	108 311	91 799	18	12	108 311	91 799	18
Netherlands	14	15 809	16 041	-1	10	15 733	15 959	-1	18	103 516	101 424	2	13	102 757	100 605	2
Australia	15	15 797	15 363	3	16	9 369	8 917	5	11	144 361	139 899	3	17	77 599	73 271	6
India	16	14 344	12 651	13	20	6 994	6 509	7	13	140 474	121 040	16	21	63 928	57 323	12
Ireland	17	13 166	11 509	14	13	13 166	11 507	14	12	143 527	125 334	15	6	143 527	125 321	15
Brazil	18	12 609	12 299	3	26	4 105	3 798	8	15	102 868	117 760	4	25	32 032	28 273	13
Spain	19	11 022	9 671	14	17	9 216	8 021	15	19	123 431	90 949	14	14	85 889	74 616	15
Malaysia	20	10 912	11 652	-6	19	8 967	9 776	-8	20	93 692	98 880	-5	18	73 742	79 817	-8
Thailand	21	10 891	10 060	8	18	9 114	8 588	6	22	87 124	80 411	8	19	69 473	65 442	6
Indonesia	22	8 262	8 022	3	37	2 683	2 636	2	21	87 569	84 856	3	33	24 678	23 631	4
Scandinavia ⁷	23	7 615	7 255	5	21	6 925	6 560	6	23	74 166	70 559	5	20	67 011	63 260	6
Mexico	24	7 209	6 202	16	29	3 493	2 904	20	24	64 923	55 820	16	29	28 897	23 890	21
Saudi Arabia	25	6 861	6 809	1	24	5 389	5 377	0	25	55 541	57 092	-3	23	40 134	42 023	-4
Luxembourg	26	6 520	5 951	10	22	6 520	5 951	10	84	2 100	1 977	6	82	2 100	1 977	6
Switzerland	27	6 119	6 633	-8	23	6 102	6 613	-8	27	49 162	50 292	-2	22	48 996	50 096	-2
Philippines	28	5 567	5 002	11	25	4 218	3 910	8	26	51 554	45 769	13	24	37 932	34 781	9
Italy	29	4 738	4 831	-2	27	4 030	4 014	0	29	38 429	38 822	-1	26	31 283	30 568	2
Colombia	30	4 206	3 822	10	32	3 021	2 807	8	34	29 062	25 168	15	41	17 785	15 519	15
Viet Nam	31	4 014	3 445	17	43	2 194	2 078	6	28	39 402	33 242	19	36	21 783	19 612	11
Chile	32	3 993	3 938	1	34	2 955	2 940	1	35	28 734	26 331	9	42	17 740	15 807	12
New Zealand	33	3 885	3 734	4	31	3 448	3 321	4	30	31 776	30 098	6	30	27 103	25 694	5
South Africa	34	3 709	3 921	-5	41	2 524	2 753	-8	32	31 075	31 603	-2	40	18 909	19 677	-4
Belgium	35	3 596	3 650	-1	28	3 596	3 650	-1	41	21 250	20 432	4	37	21 249	20 430	4
Ethiopia	36	3 500	2 976	18	30	3 454	2 942	17	39	25 118	22 301	13	34	24 638	21 925	12
Portugal	37	3 183	3 225	-1	33	2 989	3 027	-1	31	31 295	31 759	-1	28	29 365	29 735	-1
Finland	38	3 034	2 941	3	35	2 955	2 852	4	38	25 655	24 653	4	32	24 744	23 666	5
Israel	39	2 801	2 631	6	36	2 764	2 593	7	44	20 290	19 677	3	38	19 882	19 264	3
Panama	40	2 699	2 643	2	39	2 608	2 554	2	37	26 216	25 526	3	31	25 311	24 633	3
Hungary	41	2 664	2 254	18	38	2 664	2 254	18	33	29 603	25 045	18	27	29 603	25 045	18
Argentina	42	2 619	2 374	10	48	1 492	1 404	6	36	26 354	22 984	15	48	14 054	12 672	11
Austria	43	2 613	2 626	-1	40	2 600	2 612	0	40	22 527	22 481	0	35	22 394	22 335	0
Egypt	44	2 436	2 412	1	42	2 362	2 340	1	43	20 507	20 008	2	39	19 743	19 293	2
Peru	45	2 180	2 201	-1	47	1 583	1 635	-3	42	20 635	19 600	5	44	14 746	14 123	4
Pakistan	46	2 004	1 913	5	45	1 711	1 643	4	45	19 263	18 131	6	43	16 392	15 539	5
Oman	47	1 946	1 313	48	44	1 889	1 264	49	47	14 709	11 336	30	46	14 151	10 804	31
Iran (Islamic Republic of)	48	1 781	1 700	5	61	705	637	11	46	18 169	17 635	3	57	7 287	6 418	14
Sri Lanka	49	1 664	1 659	0	46	1 664	1 659	0	49	14 104	13 989	1	47	14 104	13 989	1
Morocco	50	1 503	1 401	7	49	1 461	1 362	7	48	14 690	13 399	10	45	14 273	13 019	10
Kenya	51	1 244	1 271	-2	50	1 195	1 227	-3	51	10 197	10 000	2	49	9 715	9 581	1
Greece	52	1 133	940	21	54	923	744	24	50	11 578	9 652	20	50	9 424	7 641	23
Kuwait	53	1 069	1 045	2	51	1 069	1 045	2	54	8 950	8 655	3	52	8 950	8 655	3
Iceland	54	1 016	867	17	52	1 008	859	17	53	9 394	7 919	19	51	9 315	7 842	19
Bahrain	55	962	971	-1	53	962	971	-1	55	8 908	8 692	2	53	8 908	8 692	2
Bangladesh	56	954	911	5	55	917	867	6	61	6 928	6 322	10	59	6 646	6 005	11
Kazakhstan	57	935	925	1	66	532	540	-2	52	9 692	9 502	2	63	5 427	5 456	-1
Jordan	58	887	911	-3	56	886	910	-3	59	7 322	8 087	-9	56	7 308	8 073	-9
Poland	59	854	875	-2	57	823	835	-1	58	7 580	7 382	3	58	7 234	6 992	3
Czech Republic	60	783	652	20	58	781	651	20	56	8 077	6 709	20	54	8 054	6 692	20
Ukraine	61	764	724	6	60	737	698	6	57	7 969	7 643	4	55	7 685	7 350	5
Mauritius	62	760	751	1	59	751	744	1	63	6 497	6 119	6	60	6 403	6 042	6
Ecuador	63	704	651	8	65	558	496	12	62	6 655	6 227	7	64	5 181	4 624	12
Uzbekistan	64	703	726	-3	62	668	694	-4	64	6 464	6 758	-4	62	6 095	6 416	-5
Algeria	65	679	584	16	64	575	501	15	60	7 249	6 246	16	61	6 116	5 328	15
Fiji	66	628	512	23	63	624	508	23	69	4 554	4 328	5	69	4 513	4 290	5
Lebanon	67	530	509	4	67	530	509	4	70	4 544	4 288	6	68	4 544	4 288	6
Venezuela (Bolivarian Republic of)	68	520	559	-7	81	203	181	13	65	5 411	5 883	-8	81	2 153	1 915	12
Tunisia	69	494	608	-19	68	487	601	-19	68	4 869	6 055	-20	67	4 790	5 976	-20
Romania	70	479	394	22	69	463	378	23	66	4 986	4 124	21	66	4 813	3 947	22
Brunei Darussalam	71	456	440	4	70	456	440	4	72	3 718	3 570	4	71	3 718	3 570	4
El Salvador	72	434	498	-13	71	434	498	-13	67	4 948	5 656	-13	65	4 948	5 656	-13
Trinidad and Tobago	73	426	432	-1	72	420	425	-1	71	4 247	4 307	-1	70	4 181	4 232	-1
Libya	74	365	383	-4	75	308	323	-5	73	3 616	3 789	-5	73	3 047	3 193	-5
Angola	75	364	428	-15	73	331	388	-15	74	3 535	4 024	-12	72	3 179	3 592	-11
Azerbaijan	76	344	294	17	74	312	263	18	75	3 318	2 889	15	74	2 967	2 561	16
Cuba	77	290	244	19	77	256	212	21	76	2 734	2 303	19	78	2 392	1 975	21
Lithuania	78	268	191	40	76	258	177	46	78	2 465	1 763	40	79	2 372	1 637	45

Country or group of countries	REVENUE TONNE-KILOMETRES (millions) (passengers, freight and mail)								REVENUE PASSENGER-KILOMETRES (millions)							
	Total services (international and domestic)				International services				Total services (international and domestic)				International services			
	Rank number in 2015	2015	2014	Increase or decrease (%)	Rank number in 2015	2015	2014	Increase or decrease (%)	Rank number in 2015	2015	2014	Increase or decrease (%)	Rank number in 2015	2015	2014	Increase or decrease (%)
Nigeria	79	246	315	-22	89	140	171	-18	79	2 464	3 127	-21	91	1 184	1 599	-26
Malta	80	245	251	-2	78	245	251	-2	81	2 410	2 444	-1	77	2 410	2 444	-1
Afghanistan	81	242	253	-4	85	163	164	-1	83	2 233	2 344	-5	87	1 485	1 499	-1
Latvia	82	238	248	-4	79	238	248	-4	77	2 559	2 645	-3	75	2 559	2 645	-3
Serbia	83	225	206	9	80	225	206	9	80	2 459	2 253	9	76	2 459	2 253	9
Tajikistan	84	202	208	-3	83	201	207	-3	85	2 030	2 146	-5	83	2 022	2 138	-5
Belarus	85	201	184	9	82	201	184	9	86	1 974	1 809	9	84	1 974	1 809	9
Costa Rica	86	199	193	3	84	192	189	2	82	2 282	2 124	7	80	2 198	2 076	6
Papua New Guinea	87	166	167	-1	100	95	91	5	93	1 295	1 318	-2	107	614	587	5
Yemen	88	162	192	-15	86	148	172	-13	87	1 801	2 116	-15	85	1 648	1 897	-13
Madagascar	89	148	149	-1	92	132	135	-2	92	1 302	1 309	-1	94	1 137	1 160	-2
Namibia	90	145	161	-10	88	142	157	-10	91	1 402	1 485	-6	89	1 355	1 440	-6
Suriname	91	144	129	12	87	144	129	12	97	1 146	1 107	4	93	1 146	1 107	4
Bulgaria	92	142	135	4	90	136	130	5	88	1 545	1 476	5	86	1 487	1 419	5
Bolivia (Plurinational State of)	93	140	124	13	102	86	74	17	90	1 425	1 269	12	100	826	704	17
Seychelles	94	135	136	0	91	134	135	-1	96	1 157	979	18	92	1 149	972	18
Cambodia	95	132	105	25	94	124	98	27	94	1 260	1 029	22	90	1 187	957	24
Croatia	96	127	124	2	95	111	109	3	95	1 248	1 220	2	95	1 097	1 067	3
Republic of Moldova	97	126	113	12	93	126	113	12	89	1 448	1 168	24	88	1 448	1 168	24
Sudan	98	113	101	12	97	101	89	13	103	887	888	0	101	779	781	0
Rwanda	99	109	105	3	96	108	105	3	104	875	847	3	99	871	843	3
Mongolia	100	107	119	-10	98	97	104	-7	98	1 092	1 180	-7	97	994	1 032	-4
Myanmar	101	102	104	-2	113	42	51	-18	99	1 058	1 094	-3	113	404	502	-19
Total for above countries (103) ⁸		799 130	753 516	6		549 282	519 338	6		6 507 240	6 072 696	7		4 052 866	3 784 656	7
Rest of the World		17 900	18 071			17 380	17 548			94 225	90 974			89 034	85 727	
World total		817 030	771 587	6		566 662	536 886	6		6 601 465	6 163 670	7		4 141 900	3 870 383	7

1. The revenue tonne-kilometres (RTK) in all tables of this Appendix are based on the actual passenger weights reported and used by Member States.
2. Previous year traffic figures have been restated based on actual reporting from Member States.
3. Some 2015 data are estimates, thus the ranking and the rate of increase or decrease may change when final data become available.
4. For statistical purposes, the data for China excludes the traffic for the Hong Kong and Macao Special Administrative Regions (Hong Kong SAR and Macao SAR) of China.
5. Traffic for the Hong Kong Special Administrative Region (SAR) of China.
6. Traffic for the Macao Special Administrative Region (SAR) of China.
7. Three States – Denmark, Norway and Sweden.
8. Includes the States listed in note 7.

Source.— ICAO Air Transport Reporting Form A and A-S plus ICAO estimates.

Table 6. Freight tonne-kilometres performed on scheduled services
(countries and groups of countries whose airlines performed more than 25 million freight tonne-kilometres in 2015¹)

Country or group of countries	FREIGHT TONNE-KILOMETRES (millions)							
	Total services (international and domestic)				International services			
	Rank number in 2015	2015	2014	Increase or decrease (%)	Rank number in 2015	2015	2014	Increase or decrease (%)
United States	1	37 219	38 225	-3	1	21 596	22 606	-4
China ²	2	19 806	17 823	11	3	13 579	11 874	14
<i>Hong Kong SAR</i> ³		11 294	10 826	4		11 294	10 826	4
<i>Macao SAR</i> ⁴		25	24	7		25	24	7
United Arab Emirates	3	16 647	15 527	7	2	16 647	15 527	7
Republic of Korea	4	11 297	11 125	2	4	11 242	11 072	2
Japan	5	8 869	8 662	2	5	7 908	7 697	3
Qatar	6	7 563	5 993	26	6	7 563	5 993	26
Germany	7	6 985	7 184	-3	7	6 980	7 179	-3
Luxembourg	8	6 309	5 753	10	8	6 309	5 753	10
Singapore	9	6 154	6 052	2	9	6 154	6 052	2
United Kingdom	10	5 467	5 917	-8	10	5 465	5 917	-8
Netherlands	11	5 293	5 726	-8	11	5 293	5 726	-8
Russian Federation	12	4 761	4 414	8	12	4 129	3 642	13
France	13	4 098	4 151	-1	13	3 637	3 830	-5
Turkey	14	2 882	2 630	10	14	2 857	2 600	10
Thailand	15	2 134	2 515	-15	15	2 108	2 490	-15
Canada	16	2 075	2 084	0	19	1 676	1 714	-2
Malaysia	17	2 006	2 193	-9	16	1 936	2 097	-8
Australia	18	1 887	1 907	-1	17	1 752	1 744	0
India	19	1 834	1 851	-1	25	1 181	1 231	-4
Saudi Arabia	20	1 783	1 600	11	18	1 725	1 547	11
Brazil	21	1 494	1 597	-6	28	982	1 022	-4
Belgium	22	1 464	1 596	-8	20	1 464	1 596	-8
Chile	23	1 392	1 553	-10	21	1 345	1 505	-11
Switzerland	24	1 322	1 509	-12	22	1 322	1 508	-12
Colombia	25	1 318	1 320	0	23	1 235	1 252	-1
Ethiopia	26	1 229	950	29	24	1 229	950	29
Spain	27	1 041	963	8	26	1 016	939	8
New Zealand	28	999	999	0	27	983	983	0
Italy	29	945	992	-5	29	944	991	-5
South Africa	30	885	1 043	-15	30	825	978	-16
Israel	31	759	651	16	31	759	651	16
Indonesia	32	747	836	-11	41	315	384	-18
Mexico	33	714	618	16	33	601	513	17
Finland	34	713	667	7	32	713	667	7
Scandinavia ⁵	35	596	563	6	34	586	555	6
Philippines	36	484	457	6	36	407	393	3
Oman	37	412	292	41	35	411	291	41
Egypt	38	398	419	-5	37	397	419	-5
Viet Nam	39	384	450	-15	46	222	311	-28
Sri Lanka	40	381	385	-1	38	381	385	-1
Austria	41	351	370	-5	39	351	370	-5
Portugal	42	344	349	-1	40	334	339	-1
Kenya	43	286	269	7	42	283	266	6
Kuwait	44	276	268	3	43	276	268	3
Argentina	45	244	262	-7	45	225	243	-7
Bahrain	46	240	258	-7	44	240	258	-7

Country or group of countries	FREIGHT TONNE-KILOMETRES (millions)							
	Total services (international and domestic)				International services			
	Rank number in 2015	2015	2014	Increase or decrease (%)	Rank number in 2015	2015	2014	Increase or decrease (%)
Peru	47	224	342	-35	47	201	311	-35
Pakistan	48	183	205	-10	51	164	183	-10
Bangladesh	49	183	208	-12	48	173	195	-11
Jordan	50	169	172	-2	49	169	172	-2
Mauritius	51	169	193	-13	50	169	193	-13
Ireland	52	139	126	10	52	139	125	10
Panama	53	122	134	-9	53	122	134	-9
Poland	54	120	121	-1	54	120	120	0
Brunei Darussalam	55	115	115	0	55	115	115	0
Uzbekistan	56	114	110	4	56	114	110	4
Iran (Islamic Republic of)	57	107	108	-1	58	88	87	1
Iceland	58	102	96	7	57	102	96	7
Ecuador	59	86	82	5	60	79	75	6
Fiji	60	84	79	7	59	84	79	7
Zambia	61	79	83	-5	61	79	83	-5
Lebanon	62	54	60	-10	62	54	60	-10
Morocco	63	48	54	-12	63	47	54	-12
Angola	64	46	66	-30	64	45	64	-30
Trinidad and Tobago	65	43	44	-1	65	43	44	-1
Azerbaijan	66	42	31	34	66	41	31	34
Ukraine	67	38	22	71	67	36	22	61
Kazakhstan	68	38	45	-16	72	29	34	-16
Papua New Guinea	69	35	33	4	68	34	32	5
Afghanistan	70	33	34	-3	76	23	23	1
Madagascar	71	31	31	-2	70	30	31	-2
Namibia	72	30	34	-12	69	30	34	-12
Suriname	73	29	29	1	71	29	29	1
Greece	74	27	19	42	74	25	17	46
Czech Republic	75	27	31	-14	73	27	31	-14
Total for above countries (77) ⁶		188 326	184 526	2		161 314	157 761	2
Rest of the World		9 222	9 689			9 194	9 661	
World total		197 549	194 215	2		170 508	167 423	2

1. Some 2015 data are estimates, thus the ranking and the rate of increase or decrease may change when final data become available.
2. For statistical purposes, the data for China excludes the traffic for the Hong Kong and Macao Special Administrative Regions (Hong Kong SAR and Macao SAR) of China.
3. Traffic for the Hong Kong Special Administrative Region (SAR) of China.
4. Traffic for the Macao Special Administrative Region (SAR) of China.
5. Three States – Denmark, Norway and Sweden.
6. Includes the States listed in note 5.

Source. — ICAO Air Transport Reporting Form A and A-S plus ICAO estimates.

Table 7. Estimated international non-scheduled revenue passenger traffic, 2006–2015

Category	Millions of revenue passenger-kilometres performed									
	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
Non-scheduled traffic ¹	245 105	241 730	223 360	197 690	210 475	221 000	225 378	229 660	236 320	216 615
Annual change (%)	-6.6	-1.4	-7.6	-11.5	6.5	5.0	2.0	1.9	2.9	-8.3
Scheduled traffic	2 515 282	2 732 782	2 817 467	2 781 529	3 018 105	3 248 078	3 447 283	3 643 963	3 870 383	4 141 900
Annual change (%)	8.1	8.6	3.1	-1.3	8.5	7.6	6.1	5.7	6.2	7.0
Total traffic	2 760 387	2 974 512	3 040 827	2 979 219	3 228 580	3 469 078	3 672 661	3 873 623	4 106 703	4 358 515
Annual change (%)	6.6	7.8	2.2	-2.0	8.4	7.4	5.9	5.5	6.0	6.1
Non-scheduled traffic as percentage of total	8.9	8.1	7.3	6.6	6.5	6.4	6.1	5.9	5.8	5.0

1. Covers the non-scheduled traffic of scheduled airlines and non-scheduled operators.

Source.— ICAO Air Transport Reporting Form A and A-S plus ICAO estimates.

Table 8. Traffic at world's major airports
Top 25 airports ranked by total passengers, 2015

Rank No.	City	Airport	Passengers embarked and disembarked ¹			Aircraft movements ²		
			2015 (thousands)	2014 (thousands)	2015/2014 (%)	2015 (thousands)	2014 (thousands)	2015/2014 (%)
1	Atlanta, GA	Hartsfield-Jackson Atlanta International	101 491	96 179	5.5	882	868	1.7
2	Beijing	Beijing Capital International	89 939	86 128	4.4	590	582	1.4
3	Dubai	Dubai International	78 015	70 476	10.7	407	357	13.9
4	Chicago, IL	O'Hare International	76 950	69 999	9.9	875	882	-0.8
5	Tokyo	Tokyo International (Haneda)	75 573	72 827	3.8	439	426	2.9
6	London	Heathrow	74 990	73 408	2.2	474	473	0.2
7	Los Angeles, CA	Los Angeles International	74 937	70 663	6.0	656	637	2.9
8	Hong Kong	Hong Kong International	68 488	63 122	8.5	406	391	3.8
9	Paris	Aéroport de Paris-Charles de Gaulle	65 767	63 814	3.1	476	471	1.0
10	Dallas/Fort Worth, TX	Dallas-Fort Worth International	64 174	63 554	1.0	681	680	0.2
11	Istanbul	Istanbul Ataturk International	61 323	56 716	8.1	447	440	1.6
12	Frankfurt	Flughafen Frankfurt/Main	61 032	59 566	2.5	468	469	-0.2
13	Shanghai	Pudong International	60 098	51 688	16.3	449	402	11.7
14	Amsterdam	Amsterdam	58 285	54 978	6.0	466	453	2.8
15	New York, NY	John F. Kennedy International	56 827	53 255	6.7	439	422	4.0
16	Singapore	Singapore Changi	55 449	54 093	2.5	351	347	1.2
17	Guangzhou	Guangzhou Bai Yun International	55 202	54 780	0.8	410	412	-0.6
18	Jakarta	Soekarno Hatta	54 054	57 221	-5.5	380	391	-2.8
19	Denver, CO	Denver International	54 015	53 473	1.0	548	566	-3.2
20	Bangkok	Suvarnabhumi International	52 384	46 423	12.8	320	294	8.8
21	San Francisco, CA	San Francisco International	50 058	47 115	6.2	430	432	-0.5
22	Incheon	Incheon International	49 413	45 662	8.2	308	293	5.2
23	Kuala Lumpur	KL International	48 929	48 930	0.0	353	341	3.6
24	Madrid	Aeropuerto de Adolfo Suárez Madrid-Barajas	46 780	41 834	11.8	367	343	7.0
25	New Delhi	Indira Gandhi International	45 982	39 753	15.7	349	324	7.9
Total			1,580,153	1,495,657	5.6	11,970	11,695	2.4

Top 25 airports ranked by international passengers, 2015

Rank No.	City	Airport	Passengers embarked and disembarked ¹			Aircraft movements ²		
			2015 thousands	2014 thousands	2015/2014 %	2015 thousands	2014 thousands	2015/2014 %
1	Dubai	Dubai International	78 015	70 476	10.7	407	357	14.0
2	London	Heathrow	69 816	68 091	2.5	429	425	0.9
3	Hong Kong	Hong Kong International	68 488	63 122	8.5	406	391	3.8
4	Paris	Aéroport de Paris-Charles de Gaulle	60 367	58 627	3.0	411	410	0.2
5	Amsterdam	Amsterdam	58 285	54 978	6.0	466	453	2.9
6	Singapore	Singapore Changi	55 449	54 093	2.5	351	347	1.2
7	Frankfurt	Flughafen Frankfurt/Main	53 994	52 713	2.4	387	393	-1.5
8	Incheon	Incheon International	48 720	44 907	8.5	291	285	2.1
9	Bangkok	Suvarnabhumi International	43 252	37 183	16.3	243	227	7.0
10	Istanbul	Istanbul Ataturk International	41 947	38 153	9.9	314	288	9.0
11	London	Gatwick	36 664	34 439	6.5	231	220	5.0
12	Kuala Lumpur	KL International	34 748	34 438	0.9	237	227	4.4
13	Madrid	Aeropuerto de Adolfo Suárez Madrid-Barajas	33 766	29 619	14.0	228	218	4.6
14	Munich	Munich	31 313	30 248	3.5	280	272	2.9
15	Doha	Hamad International	31 008	26 356	17.7	211	183	15.3
16	Tokyo	Narita International	30 548	29 575	3.3	155	153	1.3
17	New York NY	John F. Kennedy International	30 020	28 248	6.3	174	168	3.6
18	Barcelona	Aeropuerto de Barcelona-El Prat	29 068	27 246	6.7	197	199	-1.0
19	Rome	Aeroporto di Roma-Fiumicino	28 280	26 841	5.4	200	198	1.0
20	Zurich	Zurich	25 425	24 914	2.1	233	233	0.0
21	Toronto ON	Toronto Pearson International	25 178	23 280	8.2	253	251	0.8
22	Dublin	Dublin	24 869	21 712	14.5	183	180	1.5
23	Copenhagen	Copenhagen	24 639	23 680	4.1	226	221	2.3
24	Shanghai	Pudong International	23 427	21 071	11.2	165	161	2.5
25	Brussels	Brussels	23 226	21 933	5.9	239	232	3.0
Total			1,010,512	945,943	6.8	6,917	6,692	3.4

1. Revenue and non-revenue air carrier passengers and passengers in direct transit; scheduled and non-scheduled services.

2. All aircraft Movements (commercial and non-commercial).

Source.— ICAO Air Transport Reporting Form I, Airports Council International (ACI) and airport websites.

Table 9. Operating, net results¹ and variance analysis
(scheduled airlines of ICAO Member States)

Year	Operating revenues USD (millions)	Operating expenses USD (millions)	Operating result		Net result ²	
			Amount USD (millions)	Percentage Of operating revenues	Amount USD (millions)	Percentage Of operating revenues
2006	465 200	450 200	15 000	3.2	5 000	1.1
2007	509 800	489 900	19 900	3.9	14 700	2.9
2008	569 500	570 600	-1 100	-0.2	-26 100	-4.6
2009	475 800	473 900	1 900	0.4	-4 600	-1.0
2010	563 500	535 900	27 600	4.9	17 300	3.1
2011	642 300	622 500	15 400	2.4	8 300	1.3
2012	705 500	687 100	18 400	2.6	9 200	1.3
2013	720 200	694 900	25 300	3.5	18 100	2.5
2014 ⁽³⁾	766 900	725 200	41 700	5.4	17 300	2.3
2015 ^(3,4)	720 500	662 900	57 600	8.0	38 800	5.4

Analysis of variance in operating result (2015 over 2014)

	2015	2014	Difference
Operating revenues, USD (millions)	720 500	766 900	-46 400
Operating expenses, USD (millions)	662 900	725 200	-62 300
Operating result, USD (millions)	57 600	41 700	15 900
RTK (millions)	817 030	771 587	45 444
ATK (millions)	1 221 228	1 151 894	69 333
Yield, USD (cent)	88.2	99.4	-11.2
Cost/ATK, USD (cent)	54.3	63.0	-8.7
Weight load factor (%)	67	67	-0
Break-even weight load factor (%)	62	63	-2

Analysis of difference in operating revenues (2015 over 2014)

Due to reduction in yield, USD (millions)	-91 568	
Increase in traffic, USD (millions)	45 168	
Net increase in operating revenues, USD (millions)	-46 400	(A)

Analysis of difference in operating expenses (2015 over 2014)

Due to reduction in unit cost, USD (millions)	-105 950	
Due to increase in capacity offered, USD (millions)	43 650	
Net increase in operating expenses, USD (millions)	-62 300	(B)
Net increase in operating result, USD (millions)	15 900	(A-B)

1. Revenues and expenses are estimated for non-reporting airlines.

2. The net result is derived from the operating result by adding (with plus or minus sign as appropriate) non-operating items (such as interest and direct subsidies) and income tax. The operating and net results quoted, are the small differences between the estimates of large figures (revenues and expenses) and are therefore susceptible to substantial uncertainties.

3. The net results for 2014 and 2015 have been provisionally estimated and exclude exceptional accounting items.

4. Complete financial data for 2015 had not been reported to ICAO at the time of writing because of variations in fiscal year reporting.

Source.— ICAO Air Transport Reporting Form EF plus ICAO estimates.

**Table 10. Commercial transport fleet¹ of ICAO Member States
at the end of each year, 2006 - 2015**

Year	Turbojet		Turboprop		Total aircraft All types
	Number	Percentage	Number	Percentage	
2006	18 176	86.4	2 861	13.6	21 037
2007	18 926	86.8	2 883	13.2	21 809
2008	19 650	87.1	2 902	12.9	22 552
2009	20 332	87.4	2 932	12.6	23 264
2010	20 904	87.5	2 976	12.5	23 880
2011	21 543	87.7	3 009	12.3	24 552
2012	22 255	88.1	2 997	11.9	25 252
2013	22 893	88.2	3 061	11.8	25 954
2014	23 587	88.5	3 066	11.5	26 653
2015	24 259	88.7	3 093	11.3	27 352

1. Active and parked aircraft are included; aircraft having a maximum take-off mass of less than 9 000 kg (20 000 lbs) are not included.

Source.— Reed Business Information (RBI)

Table 11. Aviation Security

Year	Number of acts of unlawful interference	Number of acts of unlawful seizure		Number of acts of facility attack		Number of acts of sabotage	Other acts ¹	Number of persons injured or killed during acts of unlawful interference	
		Actual seizures	Attempted seizures	Actual facility attacks	Attempted facility attacks			Injured	Killed
1991	15	7	5	1	0	0	2	2	7
1992	10	6	2	1	0	0	1	123	10
1993	48	30	7	3	0	0	8	38	112
1994	43	22	5	4	0	2	10	57	51
1995	17	9	3	2	0	0	3	5	2
1996	22	3	12	4	0	0	3	159	134
1997	15	6	5	2	0	1	1	2	4
1998	17	11	2	1	0	0	3	1	41
1999	14	11	2	0	0	0	1	3	4
2000	30	12	8	1	0	0	9	50	58
2001 ²	24	7	2	7	4	1	3	3 217	3 525
2002	40	2	8	24	2	2	2	14	186
2003	35	3	5	10	0	5	12	77	20
2004	16	1	4	2	2	4	3	8	91
2005	6	2	0	2	0	0	2	60	3
2006	17	1	3	4	0	1	8 ³	27	2
2007	22	4	2	2	3	0	11	33	18
2008	23	1	6	3	0	0	13 ³	31	11
2009	23	5	3	1	0	0	14 ³	4	3
2010	14	0	1	1	0	1	11 ³	13	6
2011	6	0	2	0	0	1	3 ³	152	35
2012	10	1	2	2	0	0	5 ³	44	20
2013	8	1	0	3	0	1	2 ³	1	7
2014	21	2	2	9	0	1	7 ³	334	44
2015	13	2	2	2	2	4	1	403	6

1. Includes in-flight attacks and other acts of unlawful interference.

2. Official reports on the events of 11 September 2001 in the United States did not include the number of deaths and injuries on the ground. Therefore, estimated totals were taken from media sources.

3. Includes attempted sabotage.