

# APPENDIX 1. TABLES RELATING TO THE WORLD OF AIR TRANSPORT IN 2013

General Note.— The statistical data for 2013 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, 2004–2013)

Year	Passengers		Passenger-km		Freight tonnes		Freight tonne-km performed		Mail tonne-km performed		Total tonne-km performed	
	(millions)	Annual increase (%)	(millions)	Annual increase (%)	(millions)	Annual increase (%)	(millions)	Annual increase (%)	(millions)	Annual increase (%)	(millions)	Annual increase (%)
2004	1 979	11.6	3 608 707	14.1	36.2	9.6	150 482	10.6	4 143	1.1	488 606	12.6
2005	2 119	7.1	3 897 404	8.0	37.1	2.5	154 244	2.5	4 213	1.7	519 388	6.3
2006	2 238	5.6	4 140 544	6.2	39.4	6.2	164 432	6.6	4 103	-2.6	551 814	6.2
2007	2 434	8.8	4 480 619	8.2	41.9	6.2	172 333	4.8	4 078	-0.6	588 423	6.6
2008	2 470	1.5	4 570 132	2.0	40.5	-3.2	170 677	-1.0	4 537	11.3	598 137	1.7
2009	2 461	-0.4	4 522 005	-1.1	40.2	-0.8	155 527	-8.9	4 289	-5.5	572 466	-4.3
2010	2 675	8.7	4 881 686	8.0	47.9	19.2	186 280	19.8	4 508	5.1	639 694	11.7
2011	2 838	6.1	5 202 799	6.6	48.9	2.2	186 839	0.3	4 647	3.1	671 436	5.0
2012	2 970	4.6	5 481 113	5.3	48.2	-1.4	184 891	-1.0	4 823	3.8	694 858	3.5
2013	3 103	4.5	5 782 174	5.5	49.3	2.3	185 626	0.4	5 186	7.5	724 350	4.2

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



**Table 2. World revenue traffic — international**  
(scheduled services, 2004–2013)

Year	Passengers (millions)	Annual increase (%)	Passenger-km (millions)	Annual increase (%)	Freight tonnes (millions)	Annual increase (%)	Freight tonne-km performed (millions)	Annual increase (%)	Mail tonne-km performed (millions)	Annual increase (%)	Total tonne-km performed (millions)	Annual increase (%)
2004	668	15.3	2 117 449	15.9	20.8	11.2	126 387	11.6	2 434	4.4	327 364	13.6
2005	728	9.0	2 312 254	9.2	21.6	3.7	130 052	2.9	2 562	5.3	349 298	6.7
2006	796	9.3	2 498 770	8.1	23.0	6.4	138 824	6.7	2 624	2.4	375 560	7.5
2007	879	10.5	2 714 843	8.6	24.4	6.3	145 791	5.0	2 753	4.9	400 439	6.6
2008	913	3.9	2 798 972	3.1	24.2	-0.9	144 572	-0.8	2 924	6.2	407 345	1.7
2009	925	1.3	2 763 270	-1.3	23.6	-2.3	131 848	-8.8	2 907	-0.6	391 462	-3.9
2010	1 024	10.6	2 998 292	8.5	30.5	29.2	160 573	21.8	3 092	6.4	444 350	13.5
2011	1 111	8.5	3 226 756	7.6	31.4	2.8	161 231	0.4	3 160	2.2	467 146	5.1
2012	1 177	6.0	3 424 654	6.1	30.9	-1.6	158 971	-1.4	3 279	3.8	483 092	3.4
2013	1 238	5.2	3 620 042	5.7	31.6	2.2	159 456	0.3	3 568	8.8	502 642	4.0

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

**Table 3. Trends in load factors — international and domestic**  
(scheduled services, 2004–2013)

Year	Passenger-km (millions)	Seat-km available (millions)	Passenger load factor (%)	Freight tonne-km (millions)	Mail tonne-km (millions)	Total tonne-km performed (millions)	Total tonne-km available (millions)	Weight load factor (%)
2004	3 608 707	4 917 087	73	150 482	4 143	488 606	794 828	61
2005	3 897 404	5 200 507	75	154 244	4 213	519 388	839 812	62
2006	4 140 544	5 461 374	76	164 432	4 103	551 814	880 141	63
2007	4 480 619	5 833 780	77	172 333	4 078	588 423	938 205	63
2008	4 570 132	6 019 040	76	170 677	4 537	598 137	963 385	62
2009	4 522 005	5 897 110	77	155 527	4 289	572 466	923 277	62
2010	4 881 686	6 244 946	78	186 280	4 508	639 694	957 300	67
2011	5 202 799	6 669 689	78	186 839	4 647	671 436	1 015 191	66
2012	5 481 113	6 950 237	79	184 891	4 823	694 858	1 045 721	66
2013	5 782 174	7 284 983	79	185 626	5 186	724 350	1 083 472	67

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



**Table 4. Regional distribution of scheduled traffic — 2013****Total (international and domestic) services**

By ICAO statistical region	Aircraft kilometres (millions)	Aircraft departures (thousands)	Passengers carried (thousands)	Passenger-kilometres performed (millions)	Passenger load factor (%)	Tonne-kilometres performed		Tonne-kilometres available (millions)	Weight load factor (%)
						Freight (millions)	Total (millions)		
Europe	10 354	7 860	816 920	1 555 751	80	41 521	189 152	266 286	71
Percentage of world traffic	24.6	24.5	26.3	26.9		22.4	26.1	24.6	
Africa	1 175	919	72 535	134 086	69	3 108	16 376	27 563	59
Percentage of world traffic	2.8	2.9	2.3	2.3		1.7	2.3	2.5	
Middle East	2 625	1 132	160 721	500 172	77	22 559	70 341	110 589	64
Percentage of world traffic	6.3	3.5	5.2	8.7		12.2	9.7	10.2	
Asia and Pacific	11 920	8 559	1 008 424	1 784 509	78	74 049	237 456	345 574	69
Percentage of world traffic	28.4	26.7	32.5	30.9		39.9	32.8	31.9	
North America	13 311	10 997	814 623	1 505 156	83	39 053	177 142	280 612	63
Percentage of world traffic	31.7	34.3	26.3	26.0		21.0	24.5	25.9	
Latin America and Caribbean	2 619	2 559	229 702	302 501	77	5 335	33 882	52 849	64
Percentage of world traffic	6.2	8.0	7.4	5.2		2.9	4.7	4.9	
<b>Total</b>	<b>42 005</b>	<b>32 025</b>	<b>3 102 926</b>	<b>5 782 174</b>	<b>79</b>	<b>185 626</b>	<b>724 350</b>	<b>1 083 472</b>	<b>67</b>

**International services**

By ICAO statistical region	Aircraft kilometres (millions)	Aircraft departures (thousands)	Passengers carried (thousands)	Passenger-kilometres performed (millions)	Passenger load factor (%)	Tonne-kilometres performed		Tonne-kilometres available (millions)	Weight load factor (%)
						Freight (millions)	Total (millions)		
Europe	8 652	5 286	608 848	1 370 656	81	40 420	170 829	238 394	72
Percentage of world traffic	38.9	51.7	49.2	37.9		25.3	34.0	32.1	
Africa	935	486	44 821	114 930	68	3 028	14 489	24 791	58
Percentage of world traffic	4.2	4.8	3.6	3.2		1.9	2.9	3.3	
Middle East	2 407	824	125 536	471 888	77	22 482	67 605	106 446	64
Percentage of world traffic	10.8	8.1	10.1	13.0		14.1	13.4	14.3	
Asia and Pacific	5 630	1 871	283 552	989 783	77	65 644	159 474	226 772	70
Percentage of world traffic	25.3	18.3	22.9	27.3		41.2	31.7	30.6	
North America	3 478	1 248	125 703	526 997	83	23 371	71 989	117 501	61
Percentage of world traffic	15.6	12.2	10.2	14.6		14.7	14.3	15.8	
Latin America and Caribbean	1 140	512	49 705	145 788	79	4 511	18 256	28 047	65
Percentage of world traffic	5.1	5.0	4.0	4.0		2.8	3.6	3.8	
<b>Total</b>	<b>22 241</b>	<b>10 227</b>	<b>1 238 165</b>	<b>3 620 042</b>	<b>79</b>	<b>159 456</b>	<b>502 642</b>	<b>741 951</b>	<b>68</b>

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

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

**Table 5. Tonne-kilometres and passenger-kilometres performed on scheduled services**  
(countries and groups of countries whose airlines performed more than 100 million total tonne-kilometres in 2013<sup>1</sup>)

Country or group of countries	TONNE-KILOMETRES PERFORMED (millions) (passengers, freight and mail)								PASSENGER-KILOMETRES PERFORMED (millions)							
	Total services (international and domestic)				International services				Total services (international and domestic)				International services			
	Rank number in 2013	2013	2012	Increase or decrease (%)	Rank number in 2013	2013	2012	Increase or decrease (%)	Rank number in 2013	2013	2012	Increase or decrease (%)	Rank number in 2013	2013	2012	Increase or decrease (%)
United States	1	161 303	160 755	0	1	60 866	61 447	-1	1	1 352 529	1 324 783	2	1	422 522	409 577	3
China <sup>2</sup>	2	66 612	60 566	10	6	20 584	19 061	8	2	562 748	500 258	12	8	111 918	97 143	15
Hong Kong SAR <sup>3</sup>		20 228	20 149	0		20 228	20 149	0		110 720	109 589	1		110 720	109 589	1
Macao SAR <sup>4</sup>		312	273	14		312	273	14		2 921	2 537	15		2 921	2 537	15
United Arab Emirates	3	42 420	36 472	16	2	42 420	36 471	16	3	290 268	249 585	16	2	290 265	249 576	16
United Kingdom	4	29 399	28 835	2	3	28 671	28 122	2	4	259 164	251 219	3	3	250 788	242 988	3
Germany	5	29 306	28 847	2	4	28 308	27 789	2	5	217 834	214 322	2	4	207 783	203 706	2
Republic of Korea	6	21 338	21 645	-1	5	20 831	21 133	-1	16	100 826	98 727	2	11	96 069	93 928	2
France	7	20 837	20 610	1	7	17 949	17 886	0	6	177 950	172 588	3	5	148 828	145 374	2
Japan	8	20 246	18 906	7	10	13 020	12 154	7	9	148 323	138 059	7	18	65 609	61 361	7
Russian Federation	9	18 585	17 837	4	15	10 816	10 809	0	7	168 213	150 872	11	13	92 327	82 505	12
Singapore	10	17 943	17 884	0	8	17 943	17 884	0	13	115 371	111 080	4	7	115 371	111 080	4
Australia	11	16 325	15 905	3	16	9 864	9 827	0	10	144 361	138 849	4	15	76 197	74 892	2
Canada	12	15 839	15 632	1	13	11 123	11 000	1	8	152 627	150 212	2	9	104 475	103 158	1
Netherlands	13	15 787	15 603	1	9	15 687	15 502	1	17	98 681	94 709	4	10	97 678	93 705	4
Turkey	14	14 076	11 500	22	12	11 863	9 661	23	12	116 867	96 488	21	12	93 450	76 868	22
Qatar	15	12 183	10 844	12	11	12 183	10 844	12	22	79 836	71 941	11	14	79 836	71 941	11
Brazil	16	12 020	11 590	4	26	3 769	3 367	12	14	113 408	111 561	2	26	27 304	26 065	5
India	17	11 596	11 146	4	21	6 072	5 881	3	15	111 724	106 965	4	20	52 698	50 245	5
Ireland	18	10 991	10 394	6	14	10 989	10 392	6	11	119 759	113 139	6	6	119 743	113 123	6
Thailand	19	10 134	9 745	4	17	8 867	8 649	3	21	80 262	74 975	7	17	67 564	64 111	5
Malaysia	20	10 120	8 547	18	18	8 448	7 088	19	18	87 284	71 014	23	16	70 208	56 272	25
Spain	21	8 463	9 034	-6	19	6 977	7 403	-6	20	80 480	85 158	-5	19	65 181	68 255	-5
Indonesia	22	7 946	7 470	6	37	2 563	2 369	8	19	85 665	80 620	6	29	23 221	21 721	7
Switzerland	23	6 211	6 114	2	20	6 198	6 089	2	26	48 638	46 723	4	22	48 510	46 482	4
Saudi Arabia	24	6 199	5 921	5	24	4 856	4 665	4	25	49 321	44 986	10	23	35 339	31 934	11
Scandinavia <sup>5</sup>	25	6 170	5 417	14	22	5 497	4 742	16	23	58 496	51 078	15	21	51 506	44 081	17
Mexico	26	6 026	5 233	15	35	2 726	2 422	13	24	53 402	45 210	18	31	21 519	17 870	20
Luxembourg	27	5 273	4 445	19	23	5 273	4 445	19	114	534	467	14	111	534	467	14
Italy	28	4 633	5 054	-8	25	3 793	4 030	-6	28	37 850	43 125	-12	24	29 380	32 784	-10
Philippines	29	4 393	3 953	11	30	2 963	2 566	15	27	38 443	34 589	11	27	25 910	22 376	16
South Africa	30	4 074	4 156	-2	31	2 938	3 088	-5	29	31 655	32 653	-3	34	20 265	21 962	-8
Chile	31	3 750	3 800	-1	33	2 803	2 950	-5	33	24 274	25 113	-3	44	14 288	16 201	-12
New Zealand	32	3 564	3 605	-1	29	3 190	3 230	-1	31	28 604	28 971	-1	28	24 561	24 923	-1
Belgium	33	3 421	3 146	9	27	3 421	3 146	9	43	18 551	17 725	5	38	18 550	17 723	5
Ethiopia	34	3 295	2 794	18	28	3 266	2 765	18	38	20 408	17 047	20	35	20 100	16 743	20
Viet Nam	35	3 031	2 835	7	42	1 980	1 839	8	32	27 420	25 647	7	40	17 480	16 275	7
Portugal	36	3 022	2 940	3	32	2 832	2 750	3	30	29 828	28 837	3	25	27 889	26 905	4
Colombia	37	2 915	2 565	14	41	2 128	1 792	19	35	23 171	19 741	17	41	15 668	12 431	26
Finland	38	2 822	2 772	2	34	2 731	2 654	3	34	23 475	22 712	3	30	22 502	21 455	5
Israel	39	2 691	2 637	2	36	2 656	2 599	2	44	18 481	18 123	2	39	18 107	17 711	2
Austria	40	2 464	2 420	2	38	2 448	2 404	2	36	21 369	20 902	2	32	21 211	20 741	2
Egypt	41	2 338	2 222	5	39	2 272	2 154	5	40	19 805	19 225	3	36	19 162	18 539	3
Panama	42	2 198	1 891	16	40	2 189	1 885	16	37	21 076	18 113	16	33	20 987	18 055	16
Peru	43	2 068	1 669	24	47	1 229	1 187	4	46	17 192	16 299	5	46	12 023	11 581	4
Argentina	44	2 021	1 873	8	49	1 196	1 107	8	39	20 068	18 328	9	47	11 360	10 281	10
Iran (Islamic Republic of)	45	1 939	1 792	8	60	638	723	-12	41	19 628	18 174	8	56	6 314	7 145	-12
Pakistan	46	1 911	1 940	-1	45	1 594	1 626	-2	45	17 989	18 017	0	42	14 865	14 947	-1
Sri Lanka	47	1 710	1 686	1	43	1 710	1 686	1	47	14 517	14 067	3	43	14 516	14 065	3
Hungary	48	1 680	1 545	9	44	1 680	1 545	9	42	18 672	17 162	9	37	18 672	17 162	9
Morocco	49	1 414	1 379	3	46	1 384	1 353	2	48	14 087	13 737	3	45	13 787	13 472	2
Oman	50	1 272	1 150	11	48	1 226	1 110	10	49	11 330	10 281	10	48	10 834	9 816	10
Kenya	51	1 106	1 136	-3	50	1 060	1 089	-3	50	9 612	9 979	-4	49	9 145	9 510	-4
Kuwait	52	991	1 070	-7	51	991	1 070	-7	54	8 115	8 694	-7	52	8 115	8 694	-7
Jordan	53	985	979	1	52	984	978	1	52	8 799	8 731	1	50	8 789	8 718	1
Bahrain	54	971	1 326	-27	53	971	1 326	-27	53	8 119	11 621	-30	51	8 119	11 621	-30
Kazakhstan	55	902	754	20	61	581	471	23	51	8 969	7 517	19	60	5 646	4 622	22

Country or group of countries	TONNE-KILOMETRES PERFORMED (millions) (passengers, freight and mail)								PASSENGER-KILOMETRES PERFORMED (millions)							
	Total services (international and domestic)				International services				Total services (international and domestic)				International services			
	Rank number in 2013	2013	2012	Increase or decrease (%)	Rank number in 2013	2013	2012	Increase or decrease (%)	Rank number in 2013	2013	2012	Increase or decrease (%)	Rank number in 2013	2013	2012	Increase or decrease (%)
Poland	56	779	799	-3	55	751	769	-2	57	6 899	7 116	-3	55	6 587	6 776	-3
Ukraine	57	767	1 062	-28	57	705	1 002	-30	55	7 618	10 250	-26	53	6 981	9 635	-28
Iceland	58	764	680	12	54	756	671	13	58	6 779	5 971	14	54	6 697	5 882	14
Mauritius	59	719	735	-2	56	712	729	-2	61	5 958	6 107	-2	58	5 884	6 034	-2
Uzbekistan	60	714	729	-2	58	680	695	-2	59	6 669	6 796	-2	57	6 295	6 424	-2
Greece	61	702	708	-1	62	560	551	1	56	7 330	7 331	0	59	5 870	5 743	2
Bangladesh	62	684	757	-10	59	657	730	-10	66	5 116	5 726	-11	65	4 988	5 596	-11
Ecuador	63	589	546	8	69	416	418	0	62	5 786	4 924	18	70	3 732	3 395	10
Tunisia	64	562	487	15	63	557	481	16	65	5 457	4 733	15	63	5 401	4 672	16
Algeria	65	555	459	21	67	481	390	23	60	5 978	4 933	21	64	5 168	4 179	24
Brunei Darussalam	66	542	454	19	64	542	454	19	70	4 309	3 601	20	67	4 309	3 601	20
Czech Republic	67	520	441	18	65	519	440	18	64	5 537	4 755	16	62	5 530	4 748	16
El Salvador	68	498	437	14	66	498	437	14	63	5 633	4 937	14	61	5 633	4 937	14
Trinidad and Tobago	69	435	419	4	68	428	414	3	67	4 635	4 463	4	66	4 566	4 406	4
Venezuela (Bolivarian Republic of)	70	428	449	-5	110	60	57	4	68	4 446	4 635	-4	108	592	557	6
Romania	71	417	440	-5	72	399	419	-5	69	4 326	4 558	-5	68	4 128	4 327	-5
Fiji	72	410	415	-1	70	404	409	-1	71	3 818	3 956	-4	69	3 770	3 908	-4
Lebanon	73	401	463	-13	71	401	463	-13	73	3 383	3 917	-14	71	3 383	3 917	-14
Angola	74	397	352	13	73	356	316	13	72	3 492	3 117	12	72	3 055	2 732	12
Libya	75	320	153	109	75	269	120	125	74	3 168	1 508	110	74	2 650	1 174	126
Latvia	76	276	279	-1	74	276	279	-1	75	2 970	2 999	-1	73	2 970	2 999	-1
Cuba	77	264	272	-3	77	226	239	-6	77	2 537	2 617	-3	78	2 149	2 287	-6
Malta	78	254	221	15	76	254	221	15	79	2 474	2 377	4	75	2 474	2 377	4
Azerbaijan	79	248	227	9	78	220	202	9	76	2 539	2 376	7	77	2 246	2 103	7
Nigeria	80	237	338	-30	98	94	167	-44	78	2 478	3 596	-31	93	940	1 736	-46
Papua New Guinea	81	232	202	15	88	139	126	11	84	1 712	1 484	15	97	821	750	9
Costa Rica	82	209	269	-22	79	206	265	-22	80	2 417	2 982	-19	76	2 376	2 931	-19
Afghanistan	83	205	321	-36	81	171	286	-40	93	1 312	2 225	-41	91	1 033	1 948	-47
Lithuania	84	193	112	72	80	189	110	72	83	1 734	1 011	71	79	1 695	989	71
Bolivia (Plurinational State of)	85	180	191	-5	92	125	127	-2	81	1 865	1 877	-1	89	1 213	1 180	3
Mongolia	86	170	150	13	84	159	136	17	82	1 764	1 549	14	81	1 650	1 401	18
Belarus	87	166	137	21	82	166	137	21	87	1 624	1 345	21	82	1 624	1 345	21
Cyprus	88	164	197	-17	83	164	197	-17	85	1 675	2 089	-20	80	1 675	2 089	-20
Madagascar	89	158	149	6	86	144	134	7	90	1 372	1 378	0	88	1 219	1 216	0
Tajikistan	90	156	179	-13	85	154	178	-13	88	1 605	1 787	-10	83	1 590	1 781	-11
Yemen	91	149	152	-2	87	142	144	-1	86	1 639	1 672	-2	84	1 575	1 586	-1
Namibia	92	137	163	-16	89	133	158	-16	91	1 363	1 623	-16	87	1 321	1 576	-16
Bulgaria	93	131	122	7	91	125	115	8	89	1 416	1 317	8	85	1 351	1 248	8
Serbia	94	125	113	11	90	125	113	11	92	1 345	1 230	9	86	1 345	1 230	9
Croatia	95	121	134	-9	94	106	118	-10	94	1 189	1 312	-9	90	1 038	1 154	-10
Suriname	96	118	120	-1	93	118	120	-1	97	1 030	1 050	-2	92	1 030	1 050	-2
Lao People's Democratic Republic	97	114	81	40	99	86	59	45	96	1 126	803	40	95	850	586	45
Myanmar	98	113	108	5	112	57	58	-1	95	1 183	1 117	6	109	544	549	-1
Rwanda	99	102	97	5	95	102	96	6	102	823	795	3	98	819	790	4
Total for above Countries (101) <sup>6</sup>		706 899	677 729	4		485 588	466 394	4		5 697 248	5 398 793	6		3 539 100	3 346 555	6
Rest of the World		17 451	17 129			17 054	16 698			84 926	82 320			80 942	78 099	
World total		724 350	694 858	4		502 642	483 092	4		5 782 174	5 481 113	5		3 620 042	3 424 654	6

1. Most 2013 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).

3. Traffic for the Hong Kong Special Administrative Region (SAR).

4. Traffic for the Macao Special Administrative Region (SAR).

5. Three States – Denmark, Norway and Sweden.

6. Includes the States listed in note 5.

Source.— ICAO Air Transport Reporting Forms 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 2013<sup>1</sup>)

Country or group of countries	FREIGHT TONNE-KILOMETRES PERFORMED (millions)							
	Total services (international and domestic)				International services			
	Rank number in 2013	2013	2012	Increase or decrease (%)	Rank number in 2013	2013	2012	Increase or decrease (%)
United States	1	37 107	39 111	-5	1	21 780	23 577	-8
China <sup>2</sup>	2	16 054	15 569	3	4	10 416	10 252	2
<i>Hong Kong SAR</i> <sup>3</sup>		9 440	9 468	0		9 440	9 468	0
<i>Macao SAR</i> <sup>4</sup>		20	19	5		20	19	5
United Arab Emirates	3	13 985	12 033	16	2	13 985	12 033	16
Republic of Korea	4	11 785	12 291	-4	3	11 728	12 231	-4
Japan	5	7 456	7 046	6	7	6 494	6 106	6
Germany	6	7 334	7 237	1	5	7 329	7 231	1
Singapore	7	6 513	6 899	-6	6	6 513	6 899	-6
United Kingdom	8	6 032	6 244	-3	8	6 031	6 242	-3
Netherlands	9	5 751	6 015	-4	9	5 751	6 015	-4
Luxembourg	10	5 225	4 403	19	10	5 225	4 403	19
Qatar	11	4 961	4 307	15	11	4 961	4 307	15
France	12	4 383	4 626	-5	12	4 186	4 438	-6
Russian Federation	13	3 305	4 132	-20	15	2 471	3 357	-26
Australia	14	2 682	2 732	-2	14	2 515	2 567	-2
Thailand	15	2 644	2 758	-4	13	2 592	2 698	-4
Turkey	16	2 349	1 934	21	16	2 325	1 913	22
Malaysia	17	1 991	1 944	2	17	1 904	1 862	2
Canada	18	1 946	1 960	-1	19	1 591	1 590	0
Saudi Arabia	19	1 694	1 815	-7	18	1 631	1 746	-7
Brazil	20	1 633	1 363	20	25	1 047	805	30
India	21	1 617	1 579	2	23	1 197	1 185	1
Belgium	22	1 561	1 370	14	20	1 561	1 370	14
Chile	23	1 553	1 527	2	21	1 507	1 479	2
Switzerland	24	1 444	1 371	5	22	1 444	1 371	5
South Africa	25	1 178	1 175	0	24	1 118	1 115	0
New Zealand	26	966	975	-1	26	955	964	-1
Indonesia	27	959	880	9	38	365	332	10
Spain	28	954	1 132	-16	27	934	1 103	-15
Italy	29	877	795	10	28	877	794	10
Colombia	30	853	918	-7	30	815	870	-6
Israel	31	829	811	2	29	829	811	2
Ethiopia	32	791	704	12	31	791	704	12
Mexico	33	689	764	-10	33	588	658	-11
Finland	34	661	691	-4	32	661	691	-4
Scandinavia <sup>5</sup>	35	587	516	14	34	583	513	14
Philippines	36	570	533	7	39	351	310	13
Viet Nam	37	534	504	6	35	404	372	9
Sri Lanka	38	385	405	-5	36	385	405	-5
Egypt	39	370	356	4	37	369	356	4

Country or group of countries	FREIGHT TONNE-KILOMETRES PERFORMED (millions)							
	Total services (international and domestic)				International services			
	Rank number in 2013	2013	2012	Increase or decrease (%)	Rank number in 2013	2013	2012	Increase or decrease (%)
Austria	40	320	322	-1	40	320	322	-1
Portugal	41	319	321	0	41	310	310	0
Bahrain	42	287	338	-15	42	287	338	-15
Pakistan	43	254	286	-11	46	230	259	-11
Oman	44	251	241	4	43	250	240	4
Kuwait	45	243	267	-9	44	243	267	-9
Kenya	46	238	235	2	45	234	230	2
Jordan	47	188	188	0	47	188	188	0
Argentina	48	172	180	-5	49	154	162	-5
Mauritius	49	172	172	0	48	171	172	0
Brunei Darussalam	50	152	128	19	50	152	128	19
Bangladesh	51	146	152	-4	51	132	138	-4
Ireland	52	124	123	1	52	123	122	1
Peru	53	122	122	0	53	108	108	0
Ecuador	54	108	121	-11	56	98	114	-14
Uzbekistan	55	107	111	-3	54	107	111	-3
Iceland	56	104	98	6	55	104	98	6
Fiji	57	97	91	7	57	96	89	7
Poland	58	95	92	3	58	94	92	3
Panama	59	91	80	14	59	91	80	14
Afghanistan	60	85	117	-27	61	76	107	-29
Angola	61	83	71	17	60	81	70	17
Kazakhstan	62	67	54	24	62	53	40	32
Iran (Islamic Republic of)	63	65	66	-3	63	51	55	-7
Lebanon	64	44	51	-12	64	44	51	-12
Morocco	65	39	39	0	65	38	38	0
Madagascar	66	35	25	38	66	34	25	39
Papua New Guinea	67	33	29	15	69	32	28	15
Zimbabwe	68	33	47	-31	67	33	47	-31
Togo	69	32	54	-40	68	32	54	-40
Seychelles	70	26	6	305	70	26	6	305
Suriname	71	25	25	1	71	25	25	1
Total for the above countries (73) <sup>6</sup>		175 825	175 164	0		149 685	149 276	0
Rest of the World		9 801	9 726			9 771	9 695	
World total		185 626	184 891	0		159 456	158 971	0

1. Most 2013 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).
3. Traffic for the Hong Kong Special Administrative Region (SAR).
4. Traffic for the Macao Special Administrative Region (SAR).
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, 2004–2013**

Category	Million of passenger-kilometres performed									
	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Non-scheduled traffic <sup>1</sup>	266 590	262 560	245 105	241 730	223 360	197 690	210 475	221 000	225 378	229 660
Annual change (%)	10.7	-1.5	-6.6	-1.4	-7.6	-11.5	6.5	5.0	2.0	1.9
Scheduled traffic	2 117 449	2 312 254	2 498 770	2 714 843	2 798 972	2 763 270	2 998 292	3 226 756	3 424 654	3 620 042
Annual change (%)	15.9	9.2	8.1	8.6	3.1	-1.3	8.5	7.6	6.1	5.7
Total traffic	2 384 039	2 574 814	2 743 875	2 956 573	3 022 332	2 960 960	3 208 767	3 447 756	3 650 032	3 849 702
Annual change(%)	15.3	8.0	6.6	7.8	2.2	-2.0	8.4	7.4	5.9	5.5
Non-scheduled traffic As percentage of total	11.2	10.2	8.9	8.2	7.4	6.7	6.6	6.4	6.2	6.0

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, 2013**

Rank No.	City	Airport	Passengers embarked and disembarked <sup>1</sup>			Aircraft movements <sup>2</sup>		
			2013 (thousands)	2012 (thousands)	2013/2012 (%)	2013 (thousands)	2012 (thousands)	2013/2012 (%)
1	Atlanta, GA	Hartsfield-Jackson Atlanta International	94 431	95 487	-1.1	911	930	-2.1
2	Beijing	Beijing Capital International	83 712	81 929	2.2	568	557	1.9
3	London	Heathrow	72 367	69 983	3.4	470	471	-0.3
4	Tokyo	Haneda (Tokyo International)	68 907	66 795	3.2	403	391	3.0
5	Chicago, IL	O'Hare International	66 904	66 835	0.1	883	878	0.6
6	Los Angeles, CA	Los Angeles International	66 727	63 688	4.8	612	605	1.1
7	Dubai	Dubai International	65 912	57 685	14.3	370	344	7.5
8	Paris	Charles de Gaulle	61 462	61 612	-0.2	475	498	-4.6
9	Dallas/Fort Worth, TX	Dallas-Fort Worth International	60 436	58 591	3.2	678	650	4.3
10	Jakarta	Jakarta Soekarno-Hatta International	60 137	57 773	4.1	399	380	4.9
11	Hong Kong	Hong Kong International	59 903	56 062	6.9	372	362	2.7
12	Frankfurt	Frankfurt	58 018	57 520	0.9	466	482	-3.4
13	Singapore	Changi	53 726	51 182	5.0	344	325	5.9
14	Amsterdam	Schiphol Amsterdam	52 561	51 036	3.0	430	438	-1.8
15	Denver, CO	Denver International	52 556	53 156	-1.1	587	618	-5.1
16	Guangzhou	Guangzhou Baiyun International	52 450	48 309	8.6	394	373	5.5
17	New York, NY	John F. Kennedy International	51 905	50 819	2.1	396	402	-1.4
18	Bangkok	Bangkok Suvarnabhumi International	51 463	53 002	-2.9	298	317	-5.9
19	Istanbul	Istanbul Ataturk International	51 283	44 999	14.0	387	349	11.0
20	Kuala Lumpur	Kuala Lumpur International	47 498	39 888	19.1	326	282	15.6
21	Shanghai	Shanghai Pudong International	47 190	44 880	5.1	371	362	2.6
22	San Francisco, CA	San Francisco International	45 010	44 477	1.2	419	425	-1.3
23	Charlotte, NC	Charlotte Douglas International	43 456	41 228	5.4	557	552	0.9
24	Las Vegas, NV	McCarran International Las Vegas	41 857	41 668	0.5	520	528	-1.5
25	Seoul	Incheon	41 680	39 154	6.5	271	254	6.7
<b>Total</b>			<b>1 451 554</b>	<b>1 397 757</b>	<b>3.8</b>	<b>11 907</b>	<b>11 774</b>	<b>1.1</b>

## Top 25 airports ranked by international passengers, 2013

Rank No.	City	Airport	Passengers embarked and disembarked <sup>1</sup>			Aircraft movements <sup>2</sup>		
			2013 (thousands)	2012 (thousands)	2013/2012 (%)	2013 (thousands)	2012 (thousands)	2013/2012 (%)
1	London	Heathrow	67 361	65 311	3.1	424	426	-0.5
2	Dubai	Dubai International	65 912	57 685	14.3	370	344	7.5
3	Paris	Charles de Gaulle	55 458	56 323	-1.5	413	436	-5.4
4	Singapore	Changi	53 726	51 182	5.0	344	325	5.9
5	Amsterdam	Schiphol Amsterdam	52 561	51 035	3.0	430	423	1.6
6	Frankfurt	Frankfurt	51 382	50 995	0.8	395	404	-2.2
7	Hong Kong	Hong Kong International	59 903	56 062	6.9	372	362	2.7
8	Bangkok	Bangkok Suvarnabhumi International	42 584	40 397	5.4	237	228	4.0
9	Seoul	Incheon	40 983	38 534	6.4	265	248	6.8
10	Istanbul	Istanbul Ataturk International	34 079	29 717	14.7	260	232	12.3
11	Kuala Lumpur	Kuala Lumpur International	32 959	27 986	17.8	211	185	14.0
12	London	Gatwick	31 668	30 411	4.1	201	196	2.7
13	Tokyo	Narita	30 473	29 557	3.1	152	173	-12.3
14	Munich	Franz Josef Strauss	29 064	28 730	1.2	274	283	-3.0
15	Madrid	Barajas	27 806	30 689	-9.4	208	234	-11.0
16	New York, NY	John F. Kennedy International	27 306	25 076	8.9	158	151	4.4
17	Rome	Fiumicino	25 327	25 165	0.6	192	193	-0.3
18	Barcelona	El Prat	25 027	23 681	5.7	190	191	-0.3
19	Zurich	Zurich	24 406	24 311	0.4	232	255	-9.1
20	Doha	Doha International	23 389	21 163	10.5	168	156	7.9
21	Copenhagen	Copenhagen	22 139	21 364	3.6	219	214	2.4
22	Toronto, ON	Toronto Pearson International	21 896	21 266	3.0	249	224	11.2
23	Antalya	Antalya International	21 740	20 324	7.0	123	119	3.6
24	Vienna	Vienna International	21 385	21 539	-0.7	217	229	-5.1
25	Miami, FL	Miami International Airport	20 202	19 372	4.3	189	189	0.2
		<b>Total</b>	<b>908 736</b>	<b>867 874</b>	<b>4.7</b>	<b>6 493</b>	<b>6 418</b>	<b>1.2</b>

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 and net results<sup>1</sup>**  
(scheduled airlines of ICAO Member States)

Year	Operating revenues USD (millions)	Operating expenses USD (millions)	Operating result		Net result <sup>2</sup>	
			Amount USD (millions)	Percentage of operating revenues	Amount USD (millions)	Percentage of operating revenues
2004	378 800	375 500	3 300	0.9	-5 600	-1.5
2005	413 300	408 900	4 400	1.1	-4 100	-1
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
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 <sup>3</sup>	705 500	687 100	18 400	2.6	9 200	1.3
2013 <sup>3,4</sup>	717 300	692 000	25 300	3.5	18 100	2.5

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 2012 and 2013 have been provisionally estimated.
4. Complete financial data for 2013 were not 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 fleet<sup>1</sup> of ICAO Member States  
at the end of each year, 2004 - 2013**

Year	Turbojet		Turboprop		Total aircraft All types
	Number	Percentage	Number	Percentage	
2004	16 757	85.3	2 893	14.7	19 650
2005	17 485	85.9	2 871	14.1	20 356
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

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 <sup>1</sup>	Number of persons injured or killed during acts of unlawful interference	
		Actual seizures	Attempted seizures	Actual facility attacks	Attempted facility attacks			Injured	Killed
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 <sup>2</sup>	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 <sup>3</sup>	27	2
2007	22	4	2	2	3	0	11	33	18
2008	23	1	6	3	0	0	13 <sup>3</sup>	31	11
2009	23	5	3	1	0	0	14 <sup>3</sup>	4	3
2010	14	0	1	1	0	1	11 <sup>3</sup>	13	6
2011	6	0	2	0	0	1	3 <sup>3</sup>	152	35
2012	10	1	2	2	0	0	5 <sup>3</sup>	44	20
2013	7	1	0	3	0	1	2 <sup>3</sup>	1	7

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.

— END —

