



International Civil Aviation Organization

**Fifth Meeting of Aeronautical Telecommunication Network (ATN)
Transition Task Force**

Phuket, Thailand, 9 – 13 June 2003

Agenda Item 8: Review status of implementation of AFTN circuits, evaluated circuit capacity and consider timescale for transition to ATN.

FAA AFTN MESSAGE TRAFFIC ANALYSIS

(Presented by the United States)

SUMMARY

This information paper presents the AFTN circuit loading statistics of Australia, Fiji, Japan (AFTN, AIDC), at the Salt Lake City AFTN center. This information is based on 7 days of observation March 9 through 15 of 2003. The numbers are hourly peak averages and daily totals and do not represent peak loading.

1. Results of Statistics

AFTN circuit loading statistics were investigated in March of 2003, 4 circuits were considered.

Results indicated that all circuits were performing well with adequate capacities.

When compared to the statistics of the previous year a slight increase in message traffic was indicated on all report circuits. The increase noted did not raise concerns in regard to any circuit reported.

Problems between the US and Fiji have been resolved and the circuit is now performing within all normal parameters. In the previous reporting period statistics for Fiji were not included due to re-routing via Australia. Data exchange between the US AFTN center and Fiji AFTN center is normal and stable.

SALT LAKE AFTN CIRCUIT STATISTICS								
STATION :	AUSTRALIA					YBBBYFYF		
CIRCUIT SPEED : 9600					TOTAL CHANNELS:	1		
AFTN CENTER INPUT					AFTN CENTER OUTPUT			
DATE	PEAK	PERCENT	TOTAL	PERCENT	PEAK	PERCENT	TOTAL	PERCENT
	HOURLY	HOURLY	DAILY	DAILY	HOURLY	HOURLY	DAILY	DAILY
09 MAR	33,844	3.37	552,523	2.29	108,606	10.81	1,328,017	5.51
10 MAR	32,633	3.25	580,143	2.41	133,357	13.28	1,302,334	5.40
11 MAR	37,411	3.72	616,777	2.56	122,676	12.21	1,332,914	5.53
12 MAR	34,881	3.47	567,924	2.36	113,795	11.33	1,379,352	5.72
13 MAR	27,283	2.72	533,314	2.21	112,836	11.23	1,462,455	6.07
14 MAR	32,060	3.19	529,341	2.20	127,643	12.71	1,482,670	6.15
15 MAR	26,638	2.65	480,518	1.99	123,457	12.29	1,454,177	6.03
AVERAGE	32,107	3.20	551,506	2.29	120,339	11.98	1,391,703	5.77
STATION :	FIJI					NFFNYFYX		
CIRCUIT SPEED : 9600					TOTAL CHANNELS:	1		
AFTN CENTER INPUT					AFTN CENTER OUTPUT			
DATE	PEAK	PERCENT	TOTAL	PERCENT	PEAK	PERCENT	TOTAL	PERCENT
	HOURLY	HOURLY	DAILY	DAILY	HOURLY	HOURLY	DAILY	DAILY
09 MAR	16,118	1.60	162,826	0.68	38,666	3.85	554,757	2.3
10 MAR	23,895	2.38	175,666	0.7	34,394	3.4	496,528	2.1
11 MAR	14,345	1.43	187,673	0.78	40,618	4.04	508,964	2.11
12 MAR	17,867	1.78	179,452	0.78	35,386	3.52	530,705	2.2
13 MAR	15,750	1.57	222,890	0.92	37,920	3.78	540,238	2.24
14 MAR	29,950	2.98	203,878	0.85	41,923	4.17	566,610	2.35
15 MAR	13,867	1.38	141,179	0.59	38,906	3.87	577,145	2.39
AVERAGE	18,827	1.87	181,938	0.76	38,259	3.80	539,278	2.24

SALT LAKE AFTN CIRCUIT STATISTICS								
STATION :	JAPAN					RJAAYFYX		
CIRCUIT SPEED :	9600				TOTAL CHANNELS:	1		
AFTN CENTER INPUT					AFTN CENTER OUTPUT			
DATE	PEAK	PERCENT	TOTAL	PERCENT	PEAK	PERCENT	TOTAL	PERCENT
	HOURLY	HOURLY	DAILY	DAILY	HOURLY	HOURLY	DAILY	DAILY
09 MAR	48,935	12.18	828,634	8.59	219,741	54.69	2,884,164	29.50
10 MAR	67,676	16.84	862,758	8.95	226,426	56.36	2,786,731	28.90
11 MAR	89,396	22.25	1,013,155	10.51	231,950	57.73	2,774,005	28.77
12 MAR	65,969	16.42	1,034,451	10.73	242,154	60.27	2,999,948	31.11
13 MAR	83,830	20.87	987,878	10.25	231,520	57.63	3,076,125	31.90
14 MAR	103,585	25.78	1,146,479	11.89	261,073	64.98	3,091,478	32.06
15 MAR	52,554	13.08	832,443	8.63	247,998	61.73	2,871,607	29.78
AVERAGE	73,135	18.20	957,971	9.94	237,266	59.06	2,926,294	30.29
STATION :	JAPAN AIDC					RJAAYFYA		
CIRCUIT SPEED :	9600				TOTAL CHANNELS:	1		
AFTN CENTER INPUT					AFTN CENTER OUTPUT			
DATE	PEAK	PERCENT	TOTAL	PERCENT	PEAK	PERCENT	TOTAL	PERCENT
	HOURLY	HOURLY	DAILY	DAILY	HOURLY	HOURLY	DAILY	DAILY
09 MAR	14,495	3.61	110,825	1.15	6,970	1.73	69,124	0.72
10 MAR	14,022	3.49	118,257	1.23	7,169	1.78	75,504	0.78
11 MAR	13,631	3.39	122,759	1.27	6,757	1.68	80,221	0.83
12 MAR	10,474	2.61	100,538	1.04	4,302	1.07	61,599	0.64
13 MAR	13,785	3.43	107,504	1.11	8,813	2.19	78,263	0.81
14 MAR	14,070	3.50	105,343	1.09	7,571	1.88	69,178	0.72
15 MAR	12,948	3.22	104,116	1.08	5,726	1.43	64,896	0.67
AVERAGE	13,346	3.32	109,906	1.14	6,758	1.68	71,255	0.74