



International Civil Aviation Organization

Fourth ATN Transition Task Force Meeting

Mumbai, India, 8 - 12 April 2002

Agenda Item 5: Review status of implementation of AFTN plan and evaluate circuit capability

AFTN CIRCUIT STATISTICS OF TOKYO

(Prepared by Japan)

Summary

This paper presents the latest AFTN circuit statistics of Tokyo. According to this loading statistics there is no need to watch loading condition or consider immediate action for upgrading capacity.

1. Result of the Statistics

AFTN circuit loading statistics was investigated in January. No circuit seemed to be approaching overloading condition or requiring immediate action to be taken for upgrading. Singapore circuit was recognized relatively high but loading rate was 30% at the most. And JCAB has agreed with Singapore to upgrade this circuit and has took necessary action for upgrading.

<Attachment>

AFTN CIRCUIT LOADING STATISTICS

ORIGINATING STATION : Tokyo				LOCATION INDICATOR : RJAA				
CORRESPONDENT STATION : Salt Lake				LOCATION INDICATOR : KSLC				
MODULATION RATE : 9600bauds				TOTAL NUMBER OF CHANNELS : One				
AVERAGE LOADING : INPUT: 2.3%					OUTPUT: 0.6%			
DATE	AFTN CENTRE/STATION INPUT				AFTN CENTRE/STATION OUTPUT			
	PEAK HOURLY	PERCENT HOURLY	TOTAL DAILY	PERCENT DAILY	PEAK HOURLY	PERCENT HOURLY	TOTAL DAILY	PERCENT DAILY
1 JANUARY 2002	146,943	3.5%	2,092,507	2.0%	66,587	1.5%	738,921	0.7%
2 JANUARY 2002	171,996	4.1%	2,229,924	2.2%	51,238	1.2%	646,236	0.6%
3 JANUARY 2002	163,616	3.9%	2,459,561	2.4%	42,892	1.0%	626,934	0.6%
4 JANUARY 2002	240,920	5.7%	2,580,783	2.5%	58,267	1.3%	727,483	0.7%
5 JANUARY 2002	185,418	4.4%	2,254,630	2.2%	43,582	1.0%	574,395	0.5%
6 JANUARY 2002	196,068	4.6%	2,512,479	2.4%	45,313	1.0%	575,032	0.5%

AFTN CIRCUIT LOADING STATISTICS

ORIGINATINGSTATION : Tokyo				LOCATIONINDICATOR : RJAA				
CORRESPONDENTSTATION : Singapore				LOCATIONINDICATOR : WSSS				
MODULATIONRATE : 1200bauds				TOTALNUMBEROFCHANNELS : One				
AVERAGE LOADING : INPUT: 14.6%					OUTPUT: 6.8%			
DATE	AFTNCENTRE/STATIONINPUT				AFTNCENTRE/STATIONOUTPUT			
	PEAK HOURLY	PERCENT HOURLY	TOTAL DAILY	PERCENT DAILY	PEAK HOURLY	PERCENT HOURLY	TOTAL DAILY	PERCENT DAILY
1 JANUARY 2002	114,643	28.5%	1,568,237	16.2%	47,138	11.7%	618,685	6.4%
2 JANUARY 2002	83,012	20.6%	1,349,402	13.9%	40,807	10.1%	644,241	6.6%
3 JANUARY 2002	84,588	21.0%	1,401,044	14.5%	40,647	10.1%	638,606	6.6%
4 JANUARY 2002	109,665	27.2%	1,464,497	15.1%	105,881	26.3%	888,375	9.2%
5 JANUARY 2002	89,388	22.2%	1,342,102	13.9%	37,204	9.2%	584,558	6.0%
6 JANUARY 2002	83,334	20.7%	1,333,100	13.8%	37,672	9.3%	572,177	5.9%

AFTN CIRCUIT LOADING STATISTICS

ORIGINATING STATION : Tokyo				LOCATION INDICATOR : RJAA				
CORRESPONDENT STATION : Hong Kong				LOCATION INDICATOR : VHHH				
MODULATION RATE : 9600bauds				TOTAL NUMBER OF CHANNELS : One				
AVERAGE LOADING : INPUT: 0.5%					OUTPUT: 0.9%			
DATE	AFTN CENTRE/STATION INPUT				AFTN CENTRE/STATION OUTPUT			
	PEAK HOURLY	PERCENT HOURLY	TOTAL DAILY	PERCENT DAILY	PEAK HOURLY	PERCENT HOURLY	TOTAL DAILY	PERCENT DAILY
1 JANUARY 2002	41,630	0.9%	549,892	0.5%	74,681	1.7%	952,642	0.9%
2 JANUARY 2002	44,893	1.0%	581,687	0.5%	64,723	1.5%	877,143	0.8%
3 JANUARY 2002	41,539	0.9%	559,328	0.5%	67,825	1.6%	947,299	0.9%
4 JANUARY 2002	37,552	0.8%	559,309	0.5%	72,414	1.7%	920,036	0.9%
5 JANUARY 2002	36,400	0.8%	486,332	0.4%	79,058	1.8%	920,623	0.9%
6 JANUARY 2002	43,849	1.0%	547,063	0.5%	111,710	2.6%	1,071,496	1.0%

AFTN CIRCUIT LOADING STATISTICS

ORIGINATING STATION : Tokyo				LOCATION INDICATOR : RJAA				
CORRESPONDENT STATION : Seoul				LOCATION INDICATOR : RKSS				
MODULATION RATE : 9600bauds				TOTAL NUMBER OF CHANNELS : One				
AVERAGE LOADING : INPUT: 0.0%					OUTPUT: 1.0%			
DATE	AFTN CENTRE/STATION INPUT				AFTN CENTRE/STATION OUTPUT			
	PEAK HOURLY	PERCENT HOURLY	TOTAL DAILY	PERCENT DAILY	PEAK HOURLY	PERCENT HOURLY	TOTAL DAILY	PERCENT DAILY
1 JANUARY 2002	26,005	0.6%	64,113	0.0%	73,557	1.7%	1,047,085	1.0%
2 JANUARY 2002	4,728	0.1%	42,017	0.0%	73,991	1.7%	1,063,230	1.0%
3 JANUARY 2002	3,199	0.0%	41,282	0.0%	74,770	1.7%	1,148,442	1.1%
4 JANUARY 2002	5,154	0.1%	43,532	0.0%	75,088	1.7%	1,079,208	1.0%
5 JANUARY 2002	3,238	0.0%	37,399	0.0%	72,371	1.7%	1,041,107	1.0%
6 JANUARY 2002	4,882	0.1%	45,948	0.0%	83,179	1.9%	1,142,873	1.1%

AFTN CIRCUIT LOADING STATISTICS

ORIGINATING STATION : Tokyo				LOCATION INDICATOR : RIAA				
CORRESPONDENT STATION : Khavarovsk				LOCATION INDICATOR : UHHH				
MODULATION RATE : 2400bauds				TOTAL NUMBER OF CHANNELS : One				
AVERAGE LOADING : INPUT: 0.5%					OUTPUT: 1.5%			
DATE	AFTN CENTRE/STATION INPUT				AFTN CENTRE/STATION OUTPUT			
	PEAK HOURLY	PERCENT HOURLY	TOTAL DAILY	PERCENT DAILY	PEAK HOURLY	PERCENT HOURLY	TOTAL DAILY	PERCENT DAILY
1 JANUARY 2002	20,595	2.3%	105,870	0.5%	18,646	2.1%	273,616	1.3%
2 JANUARY 2002	23,683	2.7%	127,107	0.6%	20,840	2.4%	309,234	1.4%
3 JANUARY 2002	25,986	3.0%	143,134	0.6%	30,663	3.5%	365,840	1.7%
4 JANUARY 2002	23,660	2.7%	122,047	0.5%	22,761	2.6%	352,826	1.7%
5 JANUARY 2002	21,812	2.5%	120,662	0.5%	19,668	2.2%	304,332	1.4%
6 JANUARY 2002	21,942	2.5%	107,201	0.5%	24,132	2.7%	324,298	1.5%

AFTN CIRCUIT LOADING STATISTICS

ORIGINATING STATION : Tokyo				LOCATION INDICATOR : RIAA				
CORRESPONDENT STATION : Moskva				LOCATION INDICATOR : UUUU				
MODULATION RATE : 200bauds				TOTAL NUMBER OF CHANNELS : One				
AVERAGE LOADING : INPUT: 3.7%					OUTPUT: 24.9%			
DATE	AFTN CENTRE/STATION INPUT				AFTN CENTRE/STATION OUTPUT			
	PEAK	PERCENT	TOTAL	PERCENT	PEAK	PERCENT	TOTAL	PERCENT
	HOURLY	HOURLY	DAILY	DAILY	HOURLY	HOURLY	DAILY	DAILY
1 JANUARY 2002	5,638	7.8%	48,948	2.8%	35,546	49.3%	385,213	22.2%
2 JANUARY 2002	5,889	8.1%	68,450	3.9%	35,476	49.2%	432,564	25.0%
3 JANUARY 2002	8,008	11.1%	78,490	4.5%	31,355	43.5%	489,887	28.3%
4 JANUARY 2002	10,019	13.9%	80,744	4.6%	32,188	44.7%	479,921	27.7%
5 JANUARY 2002	4,754	6.6%	63,136	3.6%	25,261	35.0%	384,747	22.2%
6 JANUARY 2002	4,224	5.8%	48,663	2.8%	31,200	43.3%	411,456	23.8%

AFTN CIRCUIT LOADING STATISTICS

ORIGINATING STATION : Tokyo				LOCATION INDICATOR : RIAA				
CORRESPONDENT STATION : Beijing				LOCATION INDICATOR : ZBBB				
MODULATION RATE : 9600bauds				TOTAL NUMBER OF CHANNELS : One				
AVERAGE LOADING : INPUT: 0.3%					OUTPUT: 0.7%			
DATE	AFTN CENTRE/STATION INPUT				AFTN CENTRE/STATION OUTPUT			
	PEAK HOURLY	PERCENT HOURLY	TOTAL DAILY	PERCENT DAILY	PEAK HOURLY	PERCENT HOURLY	TOTAL DAILY	PERCENT DAILY
1 JANUARY 2002	25,910	0.6%	308,478	0.3%	62,275	1.4%	732,904	0.7%
2 JANUARY 2002	25,763	0.6%	320,747	0.3%	52,897	1.2%	803,341	0.7%
3 JANUARY 2002	27,554	0.6%	298,118	0.2%	60,332	1.4%	788,921	0.7%
4 JANUARY 2002	28,478	0.6%	326,533	0.3%	49,030	1.1%	784,941	0.7%
5 JANUARY 2002	26,463	0.6%	292,328	0.2%	48,511	1.1%	701,694	0.6%
6 JANUARY 2002	26,573	0.6%	246,668	0.2%	47,320	1.1%	559,437	0.5%

AFTN CIRCUIT LOADING STATISTICS

ORIGINATINGSTATION :Tokyo				LOCATIONINDICATOR : RIAA				
CORRESPONDENTSTATION : SaltLake				LOCATIONINDICATOR : KSLC				
MODULATIONRATE : 9600bauds				TOTALNUMBEROFCHANNELS : One				
AVERAGE LOADING : INPUT: 2.4%					OUTPUT: 0.6%			
DATE	AFTNCENTRE/STATIONINPUT				AFTNCENTRE/STATIONOUTPUT			
	PEAK	PERCENT	TOTAL	PERCENT	PEAK	PERCENT	TOTAL	PERCENT
	HOURLY	HOURLY	DAILY	DAILY	HOURLY	HOURLY	DAILY	DAILY
1 FEBRUARY 2002	230,796	5.5%	2,703,315	2.6%	54,124	1.2%	737,272	0.7%
2 FEBRUARY 2002	184,602	4.4%	2,312,142	2.2%	43,533	1.0%	597,974	0.5%
3 FEBRUARY 2002	184,549	4.4%	2,256,857	2.2%	49,695	1.1%	573,272	0.5%
4 FEBRUARY 2002	191,704	4.5%	2,471,571	2.4%	52,181	1.2%	627,864	0.6%
5 FEBRUARY 2002	178,931	4.2%	2,423,460	2.4%	54,565	1.3%	640,222	0.6%
6 FEBRUARY 2002	189,953	4.5%	2,560,119	2.5%	54,711	1.3%	687,336	0.6%

AFTN CIRCUIT LOADING STATISTICS

ORIGINATING STATION : Tokyo					LOCATION INDICATOR : RJAA			
CORRESPONDENT STATION : Singapore					LOCATION INDICATOR : WSSS			
MODULATION RATE : 1200bauds					TOTAL NUMBER OF CHANNELS : One			
AVERAGE LOADING : INPUT: 166%					OUTPUT: 72%			
DATE	AFTN CENTRE/STATION INPUT				AFTN CENTRE/STATION OUTPUT			
	PEAK HOURLY	PERCENT HOURLY	TOTAL DAILY	PERCENT DAILY	PEAK HOURLY	PERCENT HOURLY	TOTAL DAILY	PERCENT DAILY
1 FEBRUARY 2002	110,719	27.5%	1,640,134	17.0%	54,057	13.4%	790,510	8.1%
2 FEBRUARY 2002	83,716	20.8%	1,335,457	13.8%	35,583	8.8%	609,559	6.3%
3 FEBRUARY 2002	115,366	28.7%	1,780,332	18.4%	44,190	10.9%	632,733	6.5%
4 FEBRUARY 2002	122,620	30.5%	1,723,720	17.8%	41,606	10.3%	702,330	7.2%
5 FEBRUARY 2002	90,946	22.6%	1,486,420	15.4%	55,648	13.8%	729,223	7.5%
6 FEBRUARY 2002	91,811	22.8%	1,548,345	16.0%	46,444	11.5%	699,052	7.2%

AFTN CIRCUIT LOADING STATISTICS

ORIGINATING STATION : Tokyo					LOCATION INDICATOR : RJAA			
CORRESPONDENT STATION : Hong Kong					LOCATION INDICATOR : VHHH			
MODULATION RATE : 9600bauds					TOTAL NUMBER OF CHANNELS : One			
AVERAGE LOADING : INPUT: 0.5%					OUTPUT: 1.0%			
DATE	AFTN CENTRE/STATION INPUT				AFTN CENTRE/STATION OUTPUT			
	PEAK HOURLY	PERCENT HOURLY	TOTAL DAILY	PERCENT DAILY	PEAK HOURLY	PERCENT HOURLY	TOTAL DAILY	PERCENT DAILY
1 FEBRUARY 2002	42,509	1.0%	634,916	0.6%	88,288	2.1%	1,161,627	1.1%
2 FEBRUARY 2002	38,253	0.9%	506,242	0.5%	73,284	1.7%	922,313	0.9%
3 FEBRUARY 2002	40,781	0.9%	474,765	0.4%	93,292	2.2%	1,122,911	1.1%
4 FEBRUARY 2002	34,232	0.8%	526,542	0.5%	80,251	1.9%	991,141	0.9%
5 FEBRUARY 2002	37,286	0.8%	543,687	0.5%	77,932	1.8%	987,111	0.9%
6 FEBRUARY 2002	48,054	1.1%	614,515	0.6%	90,075	2.1%	1,063,910	1.0%

AFTN CIRCUIT LOADING STATISTICS

ORIGINATING STATION : Tokyo					LOCATION INDICATOR : RJAA			
CORRESPONDENT STATION : Seoul					LOCATION INDICATOR : RKSS			
MODULATION RATE : 9600bauds					TOTAL NUMBER OF CHANNELS : One			
AVERAGE LOADING : INPUT: 0.0%					OUTPUT: 1.1%			
DATE	AFTN CENTRE/STATION INPUT				AFTN CENTRE/STATION OUTPUT			
	PEAK HOURLY	PERCENT HOURLY	TOTAL DAILY	PERCENT DAILY	PEAK HOURLY	PERCENT HOURLY	TOTAL DAILY	PERCENT DAILY
1 FEBRUARY 2002	10,653	0.2%	58,895	0.0%	110,820	2.6%	1,347,159	1.3%
2 FEBRUARY 2002	3,970	0.0%	53,376	0.0%	72,649	1.7%	1,043,809	1.0%
3 FEBRUARY 2002	4,217	0.1%	37,843	0.0%	74,004	1.7%	1,089,423	1.0%
4 FEBRUARY 2002	3,240	0.0%	39,585	0.0%	86,269	2.0%	1,137,987	1.1%
5 FEBRUARY 2002	32,986	0.7%	79,789	0.0%	81,084	1.9%	1,117,762	1.1%
6 FEBRUARY 2002	4,156	0.0%	43,312	0.0%	73,061	1.7%	1,208,241	1.2%

AFTN CIRCUIT LOADING STATISTICS

ORIGINATING STATION : Tokyo					LOCATION INDICATOR : RJAA			
CORRESPONDENT STATION : Khavarovsk					LOCATION INDICATOR : UHHH			
MODULATION RATE : 2400bauds					TOTAL NUMBER OF CHANNELS : One			
AVERAGE LOADING : INPUT: 0.6%					OUTPUT: 1.6%			
DATE	AFTN CENTRE/STATION INPUT				AFTN CENTRE/STATION OUTPUT			
	PEAK HOURLY	PERCENT HOURLY	TOTAL DAILY	PERCENT DAILY	PEAK HOURLY	PERCENT HOURLY	TOTAL DAILY	PERCENT DAILY
1 FEBRUARY 2002	27,627	3.1%	136,628	0.6%	20,953	2.4%	296,346	1.4%
2 FEBRUARY 2002	25,505	2.9%	135,618	0.6%	25,703	2.9%	325,932	1.5%
3 FEBRUARY 2002	27,783	3.2%	125,040	0.6%	23,634	2.7%	303,766	1.4%
4 FEBRUARY 2002	25,577	2.9%	137,540	0.6%	21,612	2.5%	342,082	1.6%
5 FEBRUARY 2002	23,893	2.7%	126,270	0.6%	33,408	3.8%	348,358	1.6%
6 FEBRUARY 2002	27,076	3.1%	142,542	0.6%	20,261	2.3%	352,637	1.7%

AFTN CIRCUIT LOADING STATISTICS

ORIGINATING STATION : Tokyo					LOCATION INDICATOR : RIAA			
CORRESPONDENT STATION : Moskva					LOCATION INDICATOR : UUUU			
MODULATION RATE : 200bauds					TOTAL NUMBER OF CHANNELS : One			
AVERAGE LOADING : INPUT: 52%					OUTPUT: 27.0%			
DATE	AFTN CENTRE/STATION INPUT				AFTN CENTRE/STATION OUTPUT			
	PEAK	PERCENT	TOTAL	PERCENT	PEAK	PERCENT	TOTAL	PERCENT
	HOURLY	HOURLY	DAILY	DAILY	HOURLY	HOURLY	DAILY	DAILY
1 FEBRUARY 2002	10,976	15.2%	117,441	6.7%	45,278	62.8%	498,088	28.8%
2 FEBRUARY 2002	6,502	9.0%	69,168	4.0%	28,856	40.0%	417,532	24.1%
3 FEBRUARY 2002	5,376	7.4%	62,776	3.6%	34,060	47.3%	400,755	23.1%
4 FEBRUARY 2002	7,950	11.0%	93,928	5.4%	32,321	44.8%	469,597	27.1%
5 FEBRUARY 2002	10,250	14.2%	99,122	5.7%	36,398	50.5%	486,208	28.1%
6 FEBRUARY 2002	8,473	11.7%	92,039	5.3%	27,627	38.3%	503,538	29.1%

AFTN CIRCUIT LOADING STATISTICS

ORIGINATING STATION : Tokyo					LOCATION INDICATOR : RIAA			
CORRESPONDENT STATION : Beijing					LOCATION INDICATOR : ZBBB			
MODULATION RATE : 9600bauds					TOTAL NUMBER OF CHANNELS : One			
AVERAGE LOADING : INPUT: 0.3%					OUTPUT: 0.8%			
DATE	AFTN CENTRE/STATION INPUT				AFTN CENTRE/STATION OUTPUT			
	PEAK	PERCENT	TOTAL	PERCENT	PEAK	PERCENT	TOTAL	PERCENT
	HOURLY	HOURLY	DAILY	DAILY	HOURLY	HOURLY	DAILY	DAILY
1 FEBRUARY 2002	32,685	0.7%	360,346	0.3%	63,831	1.5%	978,699	0.9%
2 FEBRUARY 2002	26,511	0.6%	301,487	0.2%	56,882	1.3%	746,541	0.7%
3 FEBRUARY 2002	30,411	0.7%	317,062	0.3%	56,567	1.3%	770,279	0.7%
4 FEBRUARY 2002	27,496	0.6%	326,244	0.3%	56,251	1.3%	926,107	0.9%
5 FEBRUARY 2002	25,702	0.6%	314,831	0.3%	66,836	1.5%	806,972	0.8%
6 FEBRUARY 2002	30,532	0.7%	336,652	0.3%	59,640	1.4%	825,437	0.8%

AFTN CIRCUIT LOADING STATISTICS

ORIGINATING STATION : Tokyo					LOCATION INDICATOR : RIAA			
CORRESPONDENT STATION : Salt Lake					LOCATION INDICATOR : KSLC			
MODULATION RATE : 9600bauds					TOTAL NUMBER OF CHANNELS : One			
AVERAGE LOADING : INPUT: 2.4%					OUTPUT: 0.6%			
DATE	AFTN CENTRE/STATION INPUT				AFTN CENTRE/STATION OUTPUT			
	PEAK	PERCENT	TOTAL	PERCENT	PEAK	PERCENT	TOTAL	PERCENT
	HOURLY	HOURLY	DAILY	DAILY	HOURLY	HOURLY	DAILY	DAILY
1 MARCH 2002	218,392	5.2%	2,632,224	2.6%	48,643	1.1%	715,191	0.7%
2 MARCH 2002	199,101	4.7%	2,545,673	2.5%	45,021	1.0%	614,079	0.6%
3 MARCH 2002	203,610	4.8%	2,548,483	2.5%	46,741	1.1%	592,949	0.5%
4 MARCH 2002	167,549	3.9%	2,211,117	2.1%	58,553	1.3%	630,990	0.6%
5 MARCH 2002	193,821	4.6%	2,286,252	2.2%	57,220	1.3%	765,061	0.7%
6 MARCH 2002	246,867	5.8%	2,661,727	2.6%	52,607	1.2%	666,510	0.6%

AFTN CIRCUIT LOADING STATISTICS

ORIGINATING STATION : Tokyo					LOCATION INDICATOR : RIAA			
CORRESPONDENT STATION : Singapore					LOCATION INDICATOR : WSSS			
MODULATION RATE : 1200bauds					TOTAL NUMBER OF CHANNELS : One			
AVERAGE LOADING : INPUT: 15.1%					OUTPUT: 7.0%			
DATE	AFTN CENTRE/STATION INPUT				AFTN CENTRE/STATION OUTPUT			
	PEAK	PERCENT	TOTAL	PERCENT	PEAK	PERCENT	TOTAL	PERCENT
	HOURLY	HOURLY	DAILY	DAILY	HOURLY	HOURLY	DAILY	DAILY
1 MARCH 2002	100,098	24.9%	1,552,125	16.0%	34,306	8.5%	566,645	5.8%
2 MARCH 2002	109,270	27.1%	1,493,161	15.4%	42,448	10.5%	672,346	6.9%
3 MARCH 2002	100,759	25.0%	1,353,088	14.0%	53,875	13.4%	634,566	6.5%
4 MARCH 2002	96,041	23.9%	1,419,226	14.7%	41,939	10.4%	687,151	7.1%
5 MARCH 2002	108,317	26.9%	1,502,570	15.5%	55,723	13.8%	753,751	7.8%
6 MARCH 2002	101,082	25.1%	1,395,836	14.4%	44,013	10.9%	712,979	7.3%

AFTN CIRCUIT LOADING STATISTICS

ORIGINATING STATION : Tokyo					LOCATION INDICATOR : RJAA			
CORRESPONDENT STATION : Hong Kong					LOCATION INDICATOR : VHHH			
MODULATION RATE : 9600bauds					TOTAL NUMBER OF CHANNELS : One			
AVERAGE LOADING : INPUT: 0.5%					OUTPUT: 1.1%			
DATE	AFTN CENTRE/STATION INPUT				AFTN CENTRE/STATION OUTPUT			
	PEAK	PERCENT	TOTAL	PERCENT	PEAK	PERCENT	TOTAL	PERCENT
	HOURLY	HOURLY	DAILY	DAILY	HOURLY	HOURLY	DAILY	DAILY
1 MARCH 2002	56,933	1.3%	758,889	0.7%	146,724	3.5%	1,616,274	1.6%
2 MARCH 2002	32,472	0.7%	537,327	0.5%	97,372	2.3%	1,014,336	1.0%
3 MARCH 2002	42,361	1.0%	563,012	0.5%	100,710	2.4%	1,102,018	1.0%
4 MARCH 2002	37,881	0.9%	571,072	0.5%	78,942	1.8%	972,253	0.9%
5 MARCH 2002	38,830	0.9%	573,162	0.5%	83,938	2.0%	1,039,517	1.0%
6 MARCH 2002	34,774	0.8%	565,829	0.5%	104,241	2.4%	1,057,648	1.0%

AFTN CIRCUIT LOADING STATISTICS

ORIGINATING STATION : Tokyo					LOCATION INDICATOR : RJAA			
CORRESPONDENT STATION : Seoul					LOCATION INDICATOR : RKSS			
MODULATION RATE : 9600bauds					TOTAL NUMBER OF CHANNELS : One			
AVERAGE LOADING : INPUT: 0.0%					OUTPUT: 1.1%			
DATE	AFTN CENTRE/STATION INPUT				AFTN CENTRE/STATION OUTPUT			
	PEAK	PERCENT	TOTAL	PERCENT	PEAK	PERCENT	TOTAL	PERCENT
	HOURLY	HOURLY	DAILY	DAILY	HOURLY	HOURLY	DAILY	DAILY
1 MARCH 2002	5,099	0.1%	57,079	0.0%	92,394	2.2%	1,224,730	1.2%
2 MARCH 2002	4,920	0.1%	48,215	0.0%	77,832	1.8%	1,116,814	1.1%
3 MARCH 2002	4,017	0.0%	43,176	0.0%	78,996	1.8%	1,129,122	1.1%
4 MARCH 2002	3,735	0.0%	45,136	0.0%	80,819	1.9%	1,063,118	1.0%
5 MARCH 2002	36,749	0.8%	87,531	0.0%	79,996	1.9%	1,125,842	1.1%
6 MARCH 2002	7,170	0.1%	43,691	0.0%	122,697	2.9%	1,239,670	1.2%

AFTN CIRCUIT LOADING STATISTICS

ORIGINATING STATION : Tokyo					LOCATION INDICATOR : RJAA			
CORRESPONDENT STATION : Khavarovsk					LOCATION INDICATOR : UHHH			
MODULATION RATE : 2400bauds					TOTAL NUMBER OF CHANNELS : One			
AVERAGE LOADING : INPUT: 0.5%					OUTPUT: 1.3%			
DATE	AFTN CENTRE/STATION INPUT				AFTN CENTRE/STATION OUTPUT			
	PEAK	PERCENT	TOTAL	PERCENT	PEAK	PERCENT	TOTAL	PERCENT
	HOURLY	HOURLY	DAILY	DAILY	HOURLY	HOURLY	DAILY	DAILY
1 MARCH 2002	24,887	2.8%	134,356	0.6%	24,956	2.8%	325,621	1.5%
2 MARCH 2002	20,960	2.4%	121,118	0.5%	22,112	2.5%	302,772	1.4%
3 MARCH 2002	28,128	3.2%	117,604	0.5%	24,873	2.8%	277,347	1.3%
4 MARCH 2002	25,411	2.9%	67,114	0.3%	15,760	1.8%	245,256	1.1%
5 MARCH 2002	26,725	3.0%	127,179	0.6%	19,488	2.2%	266,349	1.2%
6 MARCH 2002	28,432	3.2%	153,056	0.7%	22,479	2.6%	317,842	1.5%

AFTN CIRCUIT LOADING STATISTICS

ORIGINATING STATION : Tokyo					LOCATION INDICATOR : RJAA			
CORRESPONDENT STATION : Moskva					LOCATION INDICATOR : UUUU			
MODULATION RATE : 200bauds					TOTAL NUMBER OF CHANNELS : One			
AVERAGE LOADING : INPUT: 6.9%					OUTPUT: 26.1%			
DATE	AFTN CENTRE/STATION INPUT				AFTN CENTRE/STATION OUTPUT			
	PEAK	PERCENT	TOTAL	PERCENT	PEAK	PERCENT	TOTAL	PERCENT
	HOURLY	HOURLY	DAILY	DAILY	HOURLY	HOURLY	DAILY	DAILY
1 MARCH 2002	17,992	24.9%	153,498	8.8%	49,014	68.0%	535,666	30.9%
2 MARCH 2002	11,013	15.2%	98,832	5.7%	30,747	42.7%	409,417	23.6%
3 MARCH 2002	9,623	13.3%	81,883	4.7%	27,639	38.3%	373,292	21.6%
4 MARCH 2002	44,451	61.7%	162,805	9.4%	25,928	36.0%	411,446	23.8%
5 MARCH 2002	15,775	21.9%	128,290	7.4%	45,700	63.4%	492,225	28.4%
6 MARCH 2002	11,053	15.3%	115,193	6.6%	41,704	57.9%	503,984	29.1%

AFTN CIRCUIT LOADING STATISTICS

ORIGINATING STATION : Tokyo					LOCATION INDICATOR : RJAA			
CORRESPONDENT STATION : Beijing					LOCATION INDICATOR : ZBBB			
MODULATION RATE : 9600 bauds					TOTAL NUMBER OF CHANNELS : One			
AVERAGE LOADING : INPUT: 0.2%					OUTPUT: 0.7%			
DATE	AFTN CENTRE/STATION INPUT				AFTN CENTRE/STATION OUTPUT			
	PEAK HOURLY	PERCENT HOURLY	TOTAL DAILY	PERCENT DAILY	PEAK HOURLY	PERCENT HOURLY	TOTAL DAILY	PERCENT DAILY
1 MARCH 2002	27,766	0.6%	86,907	0.0%	68,929	1.6%	350,823	0.3%
2 MARCH 2002	25,245	0.6%	305,354	0.3%	55,520	1.3%	800,289	0.7%
3 MARCH 2002	41,537	0.9%	342,951	0.3%	65,412	1.5%	746,500	0.7%
4 MARCH 2002	28,106	0.6%	306,543	0.3%	57,740	1.3%	757,899	0.7%
5 MARCH 2002	31,033	0.7%	322,542	0.3%	67,925	1.6%	828,595	0.8%
6 MARCH 2002	26,939	0.6%	309,342	0.3%	63,835	1.5%	860,831	0.8%