



International Civil Aviation Organization

ATN Seminar and Third ATN Transition Task Force Meeting

Singapore, 26-30 March 2001

Agenda Item 6: Review status of implementation of AFTN circuit and evaluate circuit capacity.

AFTN circuit statistics of Tokyo

(Presented by Japan)

Summary

This paper presents the latest AFTN circuit statistics of Tokyo. According to this loading statistics there are some circuits to be watched or consider to take some action because of its high load factor.

1. Result of the Statistics

AFTN circuit loading statistics was investigated in January, February and March. According to this statistics, there are 2 circuits to be considered.

One is Tokyo-Moskva circuit. For its output loading average loadings are 30% around and at peak hour everyday over 40% was indicated. The actions developed at coordination meeting of JCAB and Russian Federation at APANPIRG Bangkok office should be resumed.

The other is Tokyo-Singapore. Loading statistics of it did not indicate the urgent need for taking some actions but upgrade plan for 9600 bauds was considered at this meeting. For future applications, it is desirable to consider some actions.

PAGE: 1									
ORIGINATING STATION : Tokyo				LOCATION INDICATOR : RJAA				ORIGINATING	
CORRESPONDENT STATION : Salt Lake				LOCATION INDICATOR : KSLC				CORRESPOND	
MODULATION RATE : 9600 bauds				TOTAL NUMBER OF CHANNELS : One				MODULATION	
AVERAGE LOADING : INPUT: 2.3%				OUTPUT: 0.6%				AVERAGE LO	
AFTN CENTRE/STATION INPUT					AFTN CENTRE/STATION OUTPUT				
DATE	PEAK	PERCENT	TOTAL	PERCENT	PEAK	PERCENT	TOTAL	PERCENT	DATE
	HOURLY	HOURLY	DAILY	DAILY	HOURLY	HOURLY	DAILY	DAILY	
1 MAR.	192,834	4.60%	2,429,658	2.40%	47,737	1.10%	665,159	0.60%	1 MAR.
2 MAR.	206,221	4.90%	2,611,226	2.50%	49,436	1.10%	625,048	0.60%	2 MAR.
3 MAR.	181,240	4.30%	2,465,790	2.40%	38,897	0.90%	608,572	0.60%	3 MAR.
4 MAR.	174,189	4.10%	2,315,429	2.30%	43,280	1.00%	656,225	0.60%	4 MAR.
5 MAR.	185,934	4.40%	2,433,958	2.40%	46,838	1.10%	626,927	0.60%	5 MAR.
6 MAR.	181,864	4.30%	2,285,285	2.20%	36,248	0.80%	617,769	0.60%	6 MAR.
7 MAR.	189,702	4.50%	2,168,196	2.10%	42,832	1.00%	631,447	0.60%	7 MAR.
PAGE: 1									
ORIGINATING STATION : Tokyo				LOCATION INDICATOR : RJAA				ORIGINATING	
CORRESPONDENT STATION : Salt Lake				LOCATION INDICATOR : KSLC				CORRESPOND	
MODULATION RATE : 9600 bauds				TOTAL NUMBER OF CHANNELS : One				MODULATION	
AVERAGE LOADING : INPUT: 2.3%				OUTPUT: 0.5%				AVERAGE LO	
AFTN CENTRE/STATION INPUT					AFTN CENTRE/STATION OUTPUT				
DATE	PEAK	PERCENT	TOTAL	PERCENT	PEAK	PERCENT	TOTAL	PERCENT	DATE
	HOURLY	HOURLY	DAILY	DAILY	HOURLY	HOURLY	DAILY	DAILY	
1 FEB.	190,285	4.50%	2,396,474	2.30%	48,320	1.10%	676,282	0.60%	1 FEB.
2 FEB.	199,360	4.70%	2,383,648	2.30%	42,369	1.00%	602,669	0.50%	2 FEB.
3 FEB.	189,530	4.50%	2,195,959	2.10%	37,529	0.80%	566,065	0.50%	3 FEB.
4 FEB.	214,675	5.10%	2,313,079	2.20%	32,727	0.70%	569,036	0.50%	4 FEB.
5 FEB.	183,144	4.30%	2,449,596	2.40%	37,733	0.90%	595,323	0.50%	5 FEB.
6 FEB.	196,354	4.60%	2,486,190	2.40%	41,005	0.90%	626,505	0.60%	6 FEB.
7 FEB.	270,344	6.40%	2,549,088	2.50%	44,422	1.00%	591,634	0.50%	7 FEB.
PAGE: 1									
ORIGINATING STATION : Tokyo				LOCATION INDICATOR : RJAA				ORIGINATING	
CORRESPONDENT STATION : Salt Lake				LOCATION INDICATOR : KSLC				CORRESPOND	
MODULATION RATE : 9600 bauds				TOTAL NUMBER OF CHANNELS : One				MODULATION	
AVERAGE LOADING : INPUT: 2.2%				OUTPUT: 0.5%				AVERAGE LO	
AFTN CENTRE/STATION INPUT					AFTN CENTRE/STATION OUTPUT				
DATE	PEAK	PERCENT	TOTAL	PERCENT	PEAK	PERCENT	TOTAL	PERCENT	DATE
	HOURLY	HOURLY	DAILY	DAILY	HOURLY	HOURLY	DAILY	DAILY	
1 JAN.	169,884	4.00%	2,124,356	2.10%	38,220	0.90%	628,720	0.60%	1 JAN.
2 JAN.	168,372	4.00%	2,148,333	2.10%	35,182	0.80%	557,594	0.50%	2 JAN.
3 JAN.	192,012	4.50%	2,171,877	2.10%	37,838	0.90%	583,480	0.50%	3 JAN.
4 JAN.	195,300	4.60%	2,317,736	2.30%	32,031	0.70%	543,092	0.50%	4 JAN.
5 JAN.	193,341	4.60%	2,265,484	2.20%	40,439	0.90%	576,060	0.50%	5 JAN.
6 JAN.	191,073	4.50%	2,205,719	2.10%	33,300	0.70%	557,781	0.50%	6 JAN.
7 JAN.	176,048	4.20%	2,229,577	2.20%	33,917	0.80%	580,088	0.50%	7 JAN.

PAGE: 2											
ORIGINATING STATION : Tokyo				LOCATION INDICATOR : RJAA				ORIGINATING STATION : Tokyo			
CORRESPONDENT STATION : Singapore				LOCATION INDICATOR : WSSS				CORRESPONDENT STATION : Singapore			
TRANSMISSION RATE : 1200 bauds				TOTAL NUMBER OF CHANNELS : One				MODULATION RATE : 9600 bauds			
LOADING : INPUT: 16.2%				OUTPUT: 6.4%				AVERAGE LOADING : 10.0%			
AFTN CENTRE/STATION INPUT				AFTN CENTRE/STATION OUTPUT				AFTN CENTRE/STATION			
PEAK	PERCENT	TOTAL	PERCENT	PEAK	PERCENT	TOTAL	PERCENT	DATE	PEAK		
HOURLY	HOURLY	DAILY	DAILY	HOURLY	HOURLY	DAILY	DAILY	HOURLY			
105,186	26.10%	1,738,184	18.00%	43,311	10.70%	638,219	6.60%	1 MAR.	40,475		
106,533	26.50%	1,722,691	17.80%	40,453	10.00%	625,641	6.40%	2 MAR.	42,721		
144,573	35.90%	1,447,182	15.00%	80,252	19.90%	686,833	7.10%	3 MAR.	32,100		
92,697	23.00%	1,557,025	16.10%	44,304	11.00%	619,886	6.40%	4 MAR.	36,413		
108,645	27.00%	1,629,601	16.90%	36,256	9.00%	593,265	6.10%	5 MAR.	47,480		
91,572	22.70%	1,459,981	15.10%	44,099	10.90%	615,371	6.30%	6 MAR.	37,217		
85,891	21.30%	1,374,704	14.20%	34,266	8.50%	560,791	5.80%	7 MAR.	41,773		
PAGE: 2											
ORIGINATING STATION : Tokyo				LOCATION INDICATOR : RJAA				ORIGINATING STATION : Tokyo			
CORRESPONDENT STATION : Singapore				LOCATION INDICATOR : WSSS				CORRESPONDENT STATION : Singapore			
TRANSMISSION RATE : 1200 bauds				TOTAL NUMBER OF CHANNELS : One				MODULATION RATE : 9600 bauds			
LOADING : INPUT: 15.9%				OUTPUT: 6.7%				AVERAGE LOADING : 10.0%			
AFTN CENTRE/STATION INPUT				AFTN CENTRE/STATION OUTPUT				AFTN CENTRE/STATION			
PEAK	PERCENT	TOTAL	PERCENT	PEAK	PERCENT	TOTAL	PERCENT	DATE	PEAK		
HOURLY	HOURLY	DAILY	DAILY	HOURLY	HOURLY	DAILY	DAILY	HOURLY			
87,604	21.80%	1,495,938	15.50%	45,636	11.30%	646,155	6.70%	1 FEB.	55,149		
108,497	27.00%	1,493,071	15.40%	41,833	10.40%	655,935	6.80%	2 FEB.	37,234		
105,834	26.30%	1,537,410	15.90%	40,070	9.90%	613,266	6.30%	3 FEB.	37,207		
96,960	24.10%	1,505,169	15.60%	42,910	10.60%	617,801	6.40%	4 FEB.	41,524		
121,079	30.10%	1,591,938	16.50%	41,237	10.20%	671,684	6.90%	5 FEB.	40,680		
106,447	26.40%	1,532,164	15.80%	47,277	11.70%	714,166	7.40%	6 FEB.	38,444		
111,194	27.60%	1,580,691	16.30%	45,004	11.20%	589,157	6.10%	7 FEB.	32,694		
PAGE: 2											
ORIGINATING STATION : Tokyo				LOCATION INDICATOR : RJAA				ORIGINATING STATION : Tokyo			
CORRESPONDENT STATION : Singapore				LOCATION INDICATOR : WSSS				CORRESPONDENT STATION : Singapore			
TRANSMISSION RATE : 1200 bauds				TOTAL NUMBER OF CHANNELS : One				MODULATION RATE : 9600 bauds			
LOADING : INPUT: 13.6%				OUTPUT: 6.2%				AVERAGE LOADING : 10.0%			
AFTN CENTRE/STATION INPUT				AFTN CENTRE/STATION OUTPUT				AFTN CENTRE/STATION			
PEAK	PERCENT	TOTAL	PERCENT	PEAK	PERCENT	TOTAL	PERCENT	DATE	PEAK		
HOURLY	HOURLY	DAILY	DAILY	HOURLY	HOURLY	DAILY	DAILY	HOURLY			
125,329	31.10%	1,352,687	14.00%	40,339	10.00%	580,209	6.00%	1 JAN.	40,165		
98,197	24.40%	1,366,991	14.10%	44,338	11.00%	607,748	6.30%	2 JAN.	35,814		
89,692	22.30%	1,192,094	12.30%	42,546	10.50%	596,139	6.10%	3 JAN.	46,291		
157,549	39.20%	1,429,412	14.80%	38,065	9.40%	594,883	6.10%	4 JAN.	37,288		
87,410	21.70%	1,428,231	14.80%	36,152	8.90%	593,719	6.10%	5 JAN.	41,700		
80,199	19.90%	1,204,243	12.40%	39,831	9.90%	616,131	6.30%	6 JAN.	37,150		
82,316	20.40%	1,213,849	12.50%	41,104	10.20%	649,173	6.70%	7 JAN.	37,496		

PAGE: 3									
okyo							ORIGINATING STATION : Tokyo		
: Hong Kong							CORRESPONDENT STATION : Seoul		
00 bauds							MODULATION RATE : 9600 bauds		
INPUT: 0.5%							AVERAGE LOADING : INPUT: 0.0%		
OUTPUT: 0.9%									
TRE/STATION INPUT							AFTN CENTRE/STATION		
AFTN CENTRE/STATION OUTPUT									
PERCENT	TOTAL	PERCENT	PEAK	PERCENT	TOTAL	PERCENT	DATE	PEAK	PERCENT
HOURLY	DAILY	DAILY	HOURLY	HOURLY	DAILY	DAILY		HOURLY	HOURLY
0.90%	587,752	0.50%	73,127	1.70%	993,066	0.90%	1 MAR.	6,023	0.10%
1.00%	528,674	0.50%	78,230	1.80%	989,912	0.90%	2 MAR.	6,478	0.10%
0.70%	490,207	0.40%	77,735	1.80%	890,710	0.80%	3 MAR.	6,061	0.10%
0.80%	492,773	0.40%	74,053	1.70%	923,714	0.90%	4 MAR.	13,728	0.30%
1.10%	557,424	0.50%	73,481	1.70%	988,348	0.90%	5 MAR.	4,007	0.00%
0.80%	525,823	0.50%	74,718	1.70%	936,403	0.90%	6 MAR.	4,585	0.10%
0.90%	580,948	0.50%	68,765	1.60%	934,178	0.90%	7 MAR.	4,869	0.10%
PAGE: 3									
okyo							ORIGINATING STATION : Tokyo		
: Hong Kong							CORRESPONDENT STATION : Seoul		
00 bauds							MODULATION RATE : 9600 bauds		
INPUT: 0.5%							AVERAGE LOADING : INPUT: 0.0%		
OUTPUT: 0.9%									
TRE/STATION INPUT							AFTN CENTRE/STATION		
AFTN CENTRE/STATION OUTPUT									
PERCENT	TOTAL	PERCENT	PEAK	PERCENT	TOTAL	PERCENT	DATE	PEAK	PERCENT
HOURLY	DAILY	DAILY	HOURLY	HOURLY	DAILY	DAILY		HOURLY	HOURLY
1.30%	652,126	0.60%	75,060	1.70%	1,036,464	1.00%	1 FEB.	5,311	0.10%
0.80%	562,772	0.50%	72,182	1.70%	1,020,874	1.00%	2 FEB.	5,966	0.10%
0.80%	514,991	0.50%	74,263	1.70%	887,484	0.80%	3 FEB.	5,154	0.10%
0.90%	483,735	0.40%	72,101	1.70%	889,698	0.80%	4 FEB.	5,019	0.10%
0.90%	532,540	0.50%	81,902	1.90%	975,582	0.90%	5 FEB.	8,280	0.10%
0.90%	520,778	0.50%	74,719	1.70%	963,896	0.90%	6 FEB.	7,161	0.10%
0.70%	514,132	0.50%	80,666	1.90%	929,010	0.90%	7 FEB.	4,942	0.10%
PAGE: 3									
okyo							ORIGINATING STATION : Tokyo		
: Hong Kong							CORRESPONDENT STATION : Seoul		
00 bauds							MODULATION RATE : 9600 bauds		
INPUT: 0.5%							AVERAGE LOADING : INPUT: 0.0%		
OUTPUT: 0.9%									
TRE/STATION INPUT							AFTN CENTRE/STATION		
AFTN CENTRE/STATION OUTPUT									
PERCENT	TOTAL	PERCENT	PEAK	PERCENT	TOTAL	PERCENT	DATE	PEAK	PERCENT
HOURLY	DAILY	DAILY	HOURLY	HOURLY	DAILY	DAILY		HOURLY	HOURLY
0.90%	622,170	0.60%	69,322	1.60%	924,637	0.90%	1 JAN.	5,894	0.10%
0.80%	543,810	0.50%	67,760	1.60%	986,572	0.90%	2 JAN.	5,033	0.10%
1.10%	629,379	0.60%	68,900	1.60%	928,106	0.90%	3 JAN.	3,147	0.00%
0.80%	536,418	0.50%	70,217	1.60%	961,298	0.90%	4 JAN.	4,869	0.10%
0.90%	570,375	0.50%	68,510	1.60%	955,666	0.90%	5 JAN.	5,362	0.10%
0.80%	527,349	0.50%	61,494	1.40%	832,100	0.80%	6 JAN.	5,736	0.10%
0.80%	507,388	0.50%	68,845	1.60%	846,873	0.80%	7 JAN.	6,132	0.10%

PAGE: 4									
LOCATION INDICATOR : RJAA						ORIGINATING STATION : Tokyo			
LOCATION INDICATOR : RKSS						CORRESPONDENT STATION : Khavarovsk			
TOTAL NUMBER OF CHANNELS : One						MODULATION RATE : 2400 bauds			
OUTPUT: 1.2%						AVERAGE LOADING : INPUT: 0.5%			
INPUT AFTN CENTRE/STATION OUTPUT						AFTN CENTRE/STATION INPUT			
TOTAL	PERCENT	PEAK	PERCENT	TOTAL	PERCENT	DATE	PEAK	PERCENT	TOTAL
DAILY	DAILY	HOURLY	HOURLY	DAILY	DAILY		HOURLY	HOURLY	DAILY
56,873	0.00%	98,991	2.30%	1,266,999	1.20%	1 MAR.	14,811	1.70%	102,042
65,898	0.00%	127,852	3.00%	1,330,018	1.30%	2 MAR.	13,908	1.60%	110,454
68,714	0.00%	86,979	2.00%	1,144,444	1.10%	3 MAR.	12,114	1.40%	94,813
58,585	0.00%	83,657	1.90%	1,173,900	1.10%	4 MAR.	21,438	2.40%	109,135
45,284	0.00%	90,826	2.10%	1,224,920	1.20%	5 MAR.	18,395	2.10%	168,287
57,070	0.00%	110,190	2.60%	1,221,609	1.20%	6 MAR.	17,815	2.00%	112,647
48,706	0.00%	81,152	1.90%	1,134,768	1.10%	7 MAR.	18,389	2.10%	106,460
PAGE: 4									
LOCATION INDICATOR : RJAA						ORIGINATING STATION : Tokyo			
LOCATION INDICATOR : RKSS						CORRESPONDENT STATION : Khavarovsk			
TOTAL NUMBER OF CHANNELS : One						MODULATION RATE : 2400 bauds			
OUTPUT: 1.1%						AVERAGE LOADING : INPUT: 0.6%			
INPUT AFTN CENTRE/STATION OUTPUT						AFTN CENTRE/STATION INPUT			
TOTAL	PERCENT	PEAK	PERCENT	TOTAL	PERCENT	DATE	PEAK	PERCENT	TOTAL
DAILY	DAILY	HOURLY	HOURLY	DAILY	DAILY		HOURLY	HOURLY	DAILY
45,412	0.00%	90,702	2.10%	1,193,319	1.10%	1 FEB.	17,444	2.00%	126,602
60,653	0.00%	92,696	2.20%	1,123,555	1.10%	2 FEB.	26,764	3.00%	156,191
53,617	0.00%	75,846	1.80%	1,001,258	0.90%	3 FEB.	11,756	1.30%	119,218
52,785	0.00%	95,080	2.20%	1,080,303	1.00%	4 FEB.	14,773	1.70%	111,342
57,722	0.00%	88,152	2.10%	1,147,483	1.10%	5 FEB.	11,531	1.30%	126,130
53,071	0.00%	99,204	2.30%	1,205,318	1.10%	6 FEB.	19,567	2.20%	152,109
52,931	0.00%	249,884	5.90%	1,358,980	1.30%	7 FEB.	13,516	1.50%	121,648
PAGE: 4									
LOCATION INDICATOR : RJAA						ORIGINATING STATION : Tokyo			
LOCATION INDICATOR : RKSS						CORRESPONDENT STATION : Khavarovsk			
TOTAL NUMBER OF CHANNELS : One						MODULATION RATE : 2400 bauds			
OUTPUT: 1.0%						AVERAGE LOADING : INPUT: 0.6%			
INPUT AFTN CENTRE/STATION OUTPUT						AFTN CENTRE/STATION INPUT			
TOTAL	PERCENT	PEAK	PERCENT	TOTAL	PERCENT	DATE	PEAK	PERCENT	TOTAL
DAILY	DAILY	HOURLY	HOURLY	DAILY	DAILY		HOURLY	HOURLY	DAILY
54,968	0.00%	83,969	2.00%	1,069,934	1.00%	1 JAN.	15,332	1.70%	102,031
49,665	0.00%	80,991	1.90%	1,035,977	1.00%	2 JAN.	13,604	1.50%	136,412
42,229	0.00%	83,541	1.90%	1,103,182	1.00%	3 JAN.	16,196	1.80%	133,458
42,002	0.00%	81,292	1.90%	1,079,406	1.00%	4 JAN.	14,724	1.70%	149,471
46,398	0.00%	78,256	1.80%	1,083,845	1.00%	5 JAN.	12,485	1.40%	145,252
59,116	0.00%	88,536	2.10%	1,014,632	1.00%	6 JAN.	10,519	1.20%	110,824
59,478	0.00%	86,377	2.00%	1,034,904	1.00%	7 JAN.	11,904	1.30%	125,756

PAGE: 5									
LOCATION INDICATOR : RJAA					ORIGINATING STATION : Tokyo			LOCATION IN	
LOCATION INDICATOR : UHHH					CORRESPONDENT STATION : Moskva			LOCATION IN	
TOTAL NUMBER OF CHANNELS : One					MODULATION RATE : 200 bauds			TOTAL NUMB	
OUTPUT: 1.4%					AVERAGE LOADING : INPUT: 5.5%				
AFTN CENTRE/STATION OUTPUT					AFTN CENTRE/STATION INPUT				
PERCENT	PEAK	PERCENT	TOTAL	PERCENT	DATE	PEAK	PERCENT	TOTAL	PERCENT
DAILY	HOURLY	HOURLY	DAILY	DAILY		HOURLY	HOURLY	DAILY	DAILY
0.40%	23,293	2.60%	322,827	1.50%	1 MAR.	11,838	16.40%	128,262	7.40%
0.50%	25,722	2.90%	336,322	1.60%	2 MAR.	11,246	15.60%	109,473	6.30%
0.40%	20,001	2.30%	302,544	1.40%	3 MAR.	9,724	13.50%	95,431	5.50%
0.50%	21,483	2.40%	271,834	1.30%	4 MAR.	23,248	32.20%	95,240	5.50%
0.80%	33,276	3.80%	393,818	1.80%	5 MAR.	14,108	19.50%	79,968	4.60%
0.50%	18,165	2.10%	255,218	1.20%	6 MAR.	7,582	10.50%	80,441	4.60%
0.50%	21,903	2.50%	281,676	1.30%	7 MAR.	10,102	14.00%	84,816	4.90%
PAGE: 5									
LOCATION INDICATOR : RJAA					ORIGINATING STATION : Tokyo			LOCATION IN	
LOCATION INDICATOR : UHHH					CORRESPONDENT STATION : Moskva			LOCATION IN	
TOTAL NUMBER OF CHANNELS : One					MODULATION RATE : 200 bauds			TOTAL NUMB	
OUTPUT: 1.8%					AVERAGE LOADING : INPUT: 5.9%				
AFTN CENTRE/STATION OUTPUT					AFTN CENTRE/STATION INPUT				
PERCENT	PEAK	PERCENT	TOTAL	PERCENT	DATE	PEAK	PERCENT	TOTAL	PERCENT
DAILY	HOURLY	HOURLY	DAILY	DAILY		HOURLY	HOURLY	DAILY	DAILY
0.60%	40,055	4.60%	402,747	1.90%	1 FEB.	11,618	16.10%	118,547	6.80%
0.70%	55,366	6.40%	457,192	2.20%	2 FEB.	6,310	8.70%	77,985	4.50%
0.50%	28,851	3.30%	357,315	1.70%	3 FEB.	8,261	11.40%	82,384	4.70%
0.50%	35,048	4.00%	356,227	1.70%	4 FEB.	6,224	8.60%	90,191	5.20%
0.60%	28,186	3.20%	343,500	1.60%	5 FEB.	9,227	12.80%	133,580	7.70%
0.70%	28,578	3.30%	379,085	1.80%	6 FEB.	11,092	15.40%	109,672	6.30%
0.50%	26,344	3.00%	343,500	1.60%	7 FEB.	10,120	14.00%	101,014	5.80%
PAGE: 5									
LOCATION INDICATOR : RJAA					ORIGINATING STATION : Tokyo			LOCATION IN	
LOCATION INDICATOR : UHHH					CORRESPONDENT STATION : Moskva			LOCATION IN	
TOTAL NUMBER OF CHANNELS : One					MODULATION RATE : 200 bauds			TOTAL NUMB	
OUTPUT: 1.7%					AVERAGE LOADING : INPUT: 6.1%				
AFTN CENTRE/STATION OUTPUT					AFTN CENTRE/STATION INPUT				
PERCENT	PEAK	PERCENT	TOTAL	PERCENT	DATE	PEAK	PERCENT	TOTAL	PERCENT
DAILY	HOURLY	HOURLY	DAILY	DAILY		HOURLY	HOURLY	DAILY	DAILY
0.40%	20,022	2.30%	302,967	1.40%	1 JAN.	6,676	9.20%	71,938	4.10%
0.60%	32,118	3.70%	376,495	1.80%	2 JAN.	10,090	14.00%	98,788	5.70%
0.60%	24,395	2.80%	327,773	1.50%	3 JAN.	18,490	25.60%	138,559	8.00%
0.70%	27,653	3.20%	391,900	1.80%	4 JAN.	15,844	22.00%	110,811	6.40%
0.70%	32,225	3.70%	387,991	1.80%	5 JAN.	16,786	23.30%	126,173	7.30%
0.50%	26,813	3.10%	346,333	1.60%	6 JAN.	8,044	11.10%	86,538	5.00%
0.60%	24,851	2.80%	358,724	1.70%	7 JAN.	8,640	12.00%	104,511	6.00%

PAGE: 6									
INDICATOR : RJAA					ORIGINATING STATION : Tokyo			LOCATION INDICATOR :	
INDICATOR : UUUU					CORRESPONDENT STATION : Beijing			LOCATION INDICATOR :	
NUMBER OF CHANNELS : One					MODULATION RATE : 9600 bauds			TOTAL NUMBER OF CHANNELS :	
OUTPUT: 26.5%					AVERAGE LOADING : INPUT: 0.3%			OUTPUT: 0.3%	
AFTN CENTRE/STATION OUTPUT					AFTN CENTRE/STATION INPUT				
PEAK	PERCENT	TOTAL	PERCENT	DATE	PEAK	PERCENT	TOTAL	PERCENT	PEAK
HOURLY	HOURLY	DAILY	DAILY		HOURLY	HOURLY	DAILY	DAILY	HOURLY
57,187	79.40%	539,423	31.20%	1 MAR.	34,650	0.80%	355,517	0.30%	63,258
36,365	50.50%	563,240	32.50%	2 MAR.	36,636	0.80%	400,978	0.30%	75,059
33,591	46.60%	474,756	27.40%	3 MAR.	31,021	0.70%	315,716	0.30%	58,189
30,498	42.30%	414,598	23.90%	4 MAR.	26,632	0.60%	327,644	0.30%	61,152
33,950	47.10%	341,538	19.70%	5 MAR.	25,926	0.60%	326,505	0.30%	62,182
38,201	53.00%	398,379	23.00%	6 MAR.	31,208	0.70%	346,639	0.30%	49,436
35,579	49.40%	483,976	28.00%	7 MAR.	27,005	0.60%	298,540	0.20%	66,316
PAGE: 6									
INDICATOR : RJAA					ORIGINATING STATION : Tokyo			LOCATION INDICATOR :	
INDICATOR : UUUU					CORRESPONDENT STATION : Beijing			LOCATION INDICATOR :	
NUMBER OF CHANNELS : One					MODULATION RATE : 9600 bauds			TOTAL NUMBER OF CHANNELS :	
OUTPUT: 33.9%					AVERAGE LOADING : INPUT: 0.4%			OUTPUT: 0.4%	
AFTN CENTRE/STATION OUTPUT					AFTN CENTRE/STATION INPUT				
PEAK	PERCENT	TOTAL	PERCENT	DATE	PEAK	PERCENT	TOTAL	PERCENT	PEAK
HOURLY	HOURLY	DAILY	DAILY		HOURLY	HOURLY	DAILY	DAILY	HOURLY
50,152	69.60%	621,606	35.90%	1 FEB.	39,073	0.90%	375,605	0.30%	61,633
42,065	58.40%	541,844	31.30%	2 FEB.	43,700	1.00%	416,310	0.40%	52,565
46,345	64.30%	592,306	34.20%	3 FEB.	36,436	0.80%	370,725	0.30%	60,052
43,568	60.50%	555,097	32.10%	4 FEB.	42,870	1.00%	403,739	0.40%	83,036
42,158	58.50%	618,417	35.70%	5 FEB.	33,071	0.70%	424,936	0.40%	61,329
39,536	54.90%	594,452	34.40%	6 FEB.	52,696	1.20%	497,632	0.40%	84,781
39,093	54.20%	581,887	33.60%	7 FEB.	33,691	0.80%	393,331	0.30%	58,822
PAGE: 6									
INDICATOR : RJAA					ORIGINATING STATION : Tokyo			LOCATION INDICATOR :	
INDICATOR : UUUU					CORRESPONDENT STATION : Beijing			LOCATION INDICATOR :	
NUMBER OF CHANNELS : One					MODULATION RATE : 9600 bauds			TOTAL NUMBER OF CHANNELS :	
OUTPUT: 34.2%					AVERAGE LOADING : INPUT: 0.4%			OUTPUT: 0.4%	
AFTN CENTRE/STATION OUTPUT					AFTN CENTRE/STATION INPUT				
PEAK	PERCENT	TOTAL	PERCENT	DATE	PEAK	PERCENT	TOTAL	PERCENT	PEAK
HOURLY	HOURLY	DAILY	DAILY		HOURLY	HOURLY	DAILY	DAILY	HOURLY
63,610	88.30%	557,983	32.20%	1 JAN.	29,562	0.70%	322,994	0.30%	73,605
40,796	56.60%	571,976	33.10%	2 JAN.	41,246	0.90%	418,169	0.40%	63,951
41,341	57.40%	549,195	31.70%	3 JAN.	39,067	0.90%	368,701	0.30%	71,620
44,008	61.10%	607,531	35.10%	4 JAN.	42,742	1.00%	396,827	0.30%	65,972
49,648	68.90%	668,283	38.60%	5 JAN.	40,884	0.90%	478,975	0.40%	60,309
44,391	61.60%	614,271	35.50%	6 JAN.	37,446	0.80%	465,707	0.40%	51,698
35,823	49.70%	576,881	33.30%	7 JAN.	44,762	1.00%	503,781	0.50%	60,841

PAGE: 7			
RJAA			
ZBBE			
ELS : One			
T: 0.8%			
TRE/STATION OUTPUT			
PERCENT	TOTAL	PERCENT	
HOURLY	DAILY	DAILY	
1.50%	908,975	0.90%	
1.70%	966,199	0.90%	
1.30%	775,444	0.70%	
1.40%	804,406	0.70%	
1.40%	827,890	0.80%	
1.10%	753,634	0.70%	
1.50%	741,005	0.70%	
PAGE: 7			
RJAA			
ZBBE			
ELS : One			
T: 0.8%			
TRE/STATION OUTPUT			
PERCENT	TOTAL	PERCENT	
HOURLY	DAILY	DAILY	
1.40%	862,352	0.80%	
1.20%	832,558	0.80%	
1.40%	738,584	0.70%	
1.90%	822,026	0.80%	
1.40%	845,173	0.80%	
2.00%	873,417	0.80%	
1.40%	785,232	0.70%	
PAGE: 7			
RJAA			
ZBBE			
ELS : One			
T: 0.7%			
TRE/STATION OUTPUT			
PERCENT	TOTAL	PERCENT	
HOURLY	DAILY	DAILY	
1.70%	759,104	0.70%	
1.50%	735,463	0.70%	
1.70%	710,849	0.70%	
1.50%	788,042	0.70%	
1.40%	853,439	0.80%	
1.20%	719,154	0.70%	
1.40%	767,979	0.70%	

