



International Civil Aviation Organization and the Directorate General of Air Communication, Indonesia

SIXTH MEETING OF AERONAUTICAL TELECOMMUNICATION NETWORK (ATN) TRANSITION TASK FORCE OF APANPIRG



Bali, Indonesia, 26-30 April 2004

Agenda Item 7: Review status of implementation of AFTN circuits, evaluated circuit capacity and consider timescale for transition to ATN

AFTN CIRCUIT STATISTICS OF JAKARTA COMMUNICATION CENTERS

(Presented by Indonesia)

SUMMARY

This Information Paper presents the AFTN Circuit loading statistics of Singapore and Brisbane. This information is based on the 1st day up to the 7th day of traffic from January till March 2004. These numbers are daily averages and do not represent peak loading.

Result of the Statistics

1. AFTN Circuit loading statistics was investigated from the 1st – 7th day in January, February and March 2004. No circuit seemed to be approaching overloading condition or requiring immediate action to be taken for upgrading. Singapore circuit was recognized relatively high instead of loading rate of Brisbane.
2. The traffic loading between Jakarta – Singapore through AFTN Circuit channel A with modulation rate of 50 Bauds and channel B with modulation rate of 2400 Bauds, as well as modulation rate of Jakarta – Brisbane 2400 Bauds.
3. The data of statistics shows into the attachment table :

AFTN CIRCUIT STATISTIC OF JAKARTA

(JAN 2004)

ORIGINATING STATION : JAKARTA						LOCATION INDICATOR : WIII			
CORRESPONDENT STATION : SINGAPORE						LOCATION INDICATOR : WSSS			
MODULATION RATE : CH A 50 BAUDS/CH B 2400						TOTAL NUMBER OF CH : TWO / A and B			
AVERAGE LOADING OUTPUT 5,25 %						AVERAGE LOADING INPUT 7,45 %			
SEND						RECEIVE			
DATE	CH	PEAK/H OUR	PERCENT/H OUR	TOTAL DAILY	PERCENT DAILY	PEAK/H OUR	PERCENT/ HOUR	TOTAL DAILY	PERCENT DAILY
January 1, 2004	A	15	1.9%	337	1.8%	43	4.3%	972	4.6%
	B	78	9.0%	1780	0.01%	107	10.9%	2429	3.9%
January 2, 2004	A	29	3,6 %	678	3.7%	45	4,6 %	1541	7.3%
	B	68	8,6 %	1548	3.1%	74	7,5 %	1694	8.1%
January 3, 2004	A	29	3,6 %	675	3.6%	30	3.0%	964	4.6%
	B	67	8,5 %	1540	3.1%	67	6,8 %	1593	2.5%
January 4, 2004	A	15	1.9%	352	1.9%	40	4.0%	915	4.3%
	B	80	10,1 %	1828	3.7%	62	6,3 %	1394	2.2%
January 5, 2004	A	35	4,4 %	788	4.7%	41	4,1 %	958	4.5%
	B	68	8,6 %	1594	3.2%	76	7,7 %	1736	2.8%
January 6, 2004	A	22	2,7 %	497	2.7%	32	3,2 %	731	3.5%
	B	73	9,2 %	1666	3.4%	86	8,7 %	1977	3.1%
January 7, 2004	A	30	3,8 %	677	1.3%	26	2,6 %	582	0.9%
	B	70	8,8 %	1600	3.2%	45	4,6 %	2255	3.6%

(FEB 2004)

ORIGINATING STATION : JAKARTA						LOCATION INDICATOR : WIII			
CORRESPONDENT STATION : SINGAPORE						LOCATION INDICATOR : WSSS			
MODULATION RATE : CH A 50 BAUDS B 2400 BAUDS						TOTAL NUMBER OF CH : 2 (TWO) A and B			
AVERAGE LOADING OUTPUT : 11,36 %						AVERAGE LOADING INPUT 9,8 %			
SEND						RECEIVE			
DATE	CH	PEAK/H OUR	PERCENT/H OUR	TOTAL DAILY	PERCENT DAILY	PEAK/H OUR	PERCENT/ HOUR	TOTAL DAILY	PERCENT DAILY
February 1, 2004	A	16	0,9 %	368	2.1%	36	0,4 %	806	3.1%
	B	66	3,8 %	1499	8.6%	70	0,8 %	1611	6.3%
February 2, 2004	A	24	1,3 %	544	3.0%	31	0,3 %	599	2.3%
	B	59	3,4 %	1361	7.8%	91	1,1 %	2082	8.2%
February 3, 2004	A	31	1,7 %	670	3.8%	38	0,4 %	872	3.4%
	B	62	3,5 %	1340	7.7%	81	0,9 %	1870	7.4%
February 4, 2004	A	31	1,7 %	671	3.8%	38	0,4 %	870	3.4%
	B	61	3,5 %	1385	7.9%	82	1.0%	1868	7.4%
February 5, 2004	A	16	0,05 %	354	2.0%	38	0,4 %	869	3.4%
	B	71	4,1 %	1400	8.0%	67	0,8 %	869	3,4 %
February 6, 2004	A	26	1,5 %	600	3,4 %	34	0,4 %	780	3,1 %
	B	66	3,8 %	1501	8.6%	84	1.0%	1923	7.6%
February 7, 2004	A	25	1,4 %	579	3.3%	33	0,4 %	754	2.9%
	B	82	4.4%	1845	7,3 %	98	1,2 %	2360	9,3 %

(MAR 2004)

ORIGINATING STATION : JAKARTA						LOCATION INDICATOR : WIII			
CORRESPONDENT STATION : SINGAPORE						LOCATION INDICATOR : WSSS			
MODULATION RATE : CH A 50 BAUDS/CH B 2400 BAUDS						TOTAL NUMBER OF CH : TWO / A and B			
AVERAGE LOADING OUTPUT 7,4 %						AVERAGE LOADING INPUT 10,2 %			
SEND						RECEIVE			
DATE	CH	PEAK/H OUR	PERCENT/H OUR	TOTAL DAILY	PERCENT DAILY	PEAK/H OUR	PERCENT/ HOUR	TOTAL DAILY	PERCENT DAILY
March 1, 2004	A	19	0,2 %	445	2.2%	30	3,2 %	666	3.2%
	B	20	3,1 %	1417	7.0%	72	7,7 %	1652	8.0%
March 2, 2004	A	20	2,1 %	462	2.3%	30	3,2 %	678	3.3%
	B	39	9,1 %	1515	7.0%	94	10.0%	2142	10.4%
March 3, 2004	A	27	2,8 %	618	3.0%	20	2,1 %	458	2.2%
	B	61	6,5 %	1387	7.0%	102	10,9 %	2340	11.4%
March 4, 2004	A	27	2,8 %	616	3.0%	20	2,1%	455	2.2%
	B	72	7,7 %	1377	6.8%	100	10.7%	2335	11.5%
March 5, 2004	A	17	1,8 %	395	2.0%	26	2,7%	595	3.0%
	B	84	9.0%	1920	9.6%	99	10,6 %	2270	11.0%
March 6, 2004	A	18	1,9 %	422	2.0%	22	2,3 %	495	2.4%
	B	68	7,2 %	1564	7.8%	102	10,9 %	2341	11.4%
March 7, 2004	A	30	3,2 %	678	3.3%	32	3,4 %	737	3.5%
	B	60	6,4 %	1383	7.0%	69	7,3 %	1591	7.7%

TOTAL
MONT/PEAK
DAILY

AR/ 20875 /	#REF!	#REF!
BR/ 61821 /	#REF!	#REF!
AR/ 20875 /	#REF!	#REF!
BR/ 61821 /	#REF!	#REF!
AR/ 20875 /	#REF!	#REF!
BR/ 61821 /	#REF!	#REF!
AR/ 20875 /	#REF!	#REF!
BR/ 61821 /	#REF!	#REF!
AR/ 20875 /	#REF!	#REF!
BR/ 61821 /	#REF!	#REF!
AR/ 20875 /	#REF!	#REF!
BR/ 61821 /	#REF!	#REF!
AR/ 20875 /	#REF!	#REF!
BR/ 61821 /	#REF!	#REF!

TOTAL
MONT/PEAK
DAILY

AR/ 25194 /
AR/ 25194 /
AR/ 25194 /
AR/ 25194 /
AR/ 25194 /
AR/ 25194 /
AR/ 25194 /
AR/ 25194 /

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