



ICAO

International Civil Aviation Organization

Tenth Meeting of the FANS Interoperability Team – Asia (FIT-Asia/10)

Video Teleconference, 03 – 06 August 2020

2019 FIT-ASIA DATA LINK PERFORMANCE REPORT APAC REGION

Reporting FIRS

Code	FIR	State
KZAK	Oakland Oceanic	United States
NFFF	Nadi	Fiji
NTTT	Tahiti	French Polynesia
NZZO	Auckland Oceanic	New Zealand
PAZA	Anchorage Oceanic	United States
RJJJ	Fukuoka	Japan
RPHI	Manila	Philippines
VCCF*	Colombo	Sri Lanka
VOMM	Chennai	India
VVTS	Ho-Chi-Minh	Viet Nam
VYYF	Yangon	Myanmar
WAAF	Ujung Pandang	Indonesia
WMFC	Kuala Lumpur	Malaysia
WSJC	Singapore	Singapore
YBBB	Brisbane	Australia
YMMM	Melbourne	
ZLLL	Lanzhou	China
ZWWW	Urumqi	

Report Criteria		
	95%	99.90%
ASP	% <= 90sec	% <= 180sec
ACP	% <= 180sec	% <= 210sec
ACTP	% <= 120sec	% <= 150sec
PORT	%<60secs	

COLOUR KEY
Meets Criteria
99.0%-99.90%
Under Criteria
No Data

REQUIRED SURVEILLANCE PERFORMANCE						
Region	Asia-Pacific Region					
Performance Criteria	RSP180					
Time Period	2019 January-June			2019 July-December		
Colour key ■ Meets criteria ■ 99.0%-99.9% ■ Under criteria Agg <i>RGS</i>	No. Messages	Criteria		No. Messages	Criteria	
		95% % < = 90sec	99.90% % < = 180sec		95% % < = 90sec	99.90% % < = 180sec
KZAK	4,880,557	98.40%	99.40%	4,994,635	98.50%	99.50%
NFFF	285,717	98.40%	99.15%	265,859	98.65%	99.31%
NTTT	74,795	99.52%	99.78%	64,708	99.51%	99.73%
NZZO	428,959	98.76%	99.49%	447,371	99.04%	99.60%
PAZA	1,315,506	98.38%	99.42%	1,233,417	98.47%	99.46%
RJJJ	2,454,906	98.39%	99.48%	2,668,737	98.44%	99.52%
RPHI	232,422	98.34%	99.51%	527,755	98.74%	99.65%
VCCF	598,937	98.45%	99.46%	563,057	98.53%	99.49%
VOMM	501,815	96.75%	98.65%	491,115	97.33%	98.94%
VVTS	244,731	98.33%	99.59%	255,457	98.22%	99.61%
VYYF	312,442	98.64%	99.36%	366,077	98.92%	99.52%
WAAF	290,831	98.58%	99.39%	272,656	98.89%	99.55%
WMFC	648,166	98.28%	99.51%	429,463	97.93%	99.45%
WSJC	1,189,990	98.91%	99.74%	581,546	98.65%	99.67%
YBBB	1,325,093	99.04%	99.65%	1,329,879	99.31%	99.75%
YMMM	1,003,859	98.92%	99.55%	1,000,861	99.14%	99.65%
ZLLL	344,490	97.92%	99.55%	301,206	97.83%	99.47%
ZWWW	190,925	98.08%	99.57%	176,263	98.08%	99.55%

REQUIRED COMMUNICATION PERFORMANCE										
Region	Asia-Pacific Region									
Performance Criteria	RCP240									
Time Period	2019 January-June					2019 July - December				
Colour key ■ Meets criteria ■ 99.0%-99.9% ■ Under criteria	No. Messages	ACP Criteria		ACTP Criteria		No. Messages	ACP Criteria		ACTP Criteria	
		95%	99.90%	95%	99.90%		95%	99.90%		
Aggregate All RGS		% <= 180sec	% <= 210sec	% <= 120sec	% <= 150sec		% <= 180sec	% <= 210sec	% <= 120sec	% <=150sec
KZAK	295,992	99.10%	99.40%	99.50%	99.60%	306,146	99.20%	99.50%	99.30%	99.60%
NFFF	9,533	99.55%	99.74%	99.65%	99.73%	9,731	99.44%	99.65%	99.60%	99.69%
NTTT	2,195	99.68%	99.72%	99.86%	99.86%	2,183	99.72%	99.90%	99.86%	99.86%
NZZO	12,133	99.42%	99.59%	99.60%	99.71%	11,741	99.60%	99.59%	99.77%	99.72%
PAZA	84,241	99.05%	99.23%	99.33%	99.44%	85,796	98.35%	98.16%	98.76%	98.68%
RJJJ	51,506	99.46%	99.62%	99.38%	99.62%	54,855	99.50%	99.64%	99.47%	99.70%
RPHI	9,311	97.24%	98.71%	97.47%	98.81%	17,727	97.39%	98.62%	97.58%	98.88%
VCCF	29,676	98.31%	99.27%	99.24%	99.69%	32,594	98.12%	99.21%	99.39%	99.68%
VOMM	133,127	99.29%	99.50%	99.55%	99.71%	133,189	99.29%	99.51%	99.55%	99.71%
VVTS	27,923	94.67%	99.13%	95.37%	99.48%	30,462	94.58%	99.15%	95.29%	99.48%
VYYF	59,919	98.52%	98.90%	98.85%	99.18%	67,469	98.31%	98.69%	98.66%	99.04%
WAAF	41,583	98.61%	99.21%	98.88%	99.44%	38,744	96.46%	99.63%	97.31%	99.68%
WMFC	20,441	97.97%	98.73%			30,246	97.67%	98.45%		
WSJC	31,694	98.47%	98.27%	98.93%	98.88%	47,765	98.74%	98.62%	99.16%	99.09%
YBBB	36,891	98.99%	99.26%	99.82%	99.13%	40,094	99.30%	99.52%	99.16%	99.42%
YMMM	38,326	99.43%	99.58%	99.39%	99.57%	42,827	99.48%	99.64%	99.54%	99.69%
ZLLL	2,805	99.14%	99.35%	98.36%	98.89%	3,080	99.22%	99.41%	98.40%	99.18%
ZWWW	787	97.83%	98.22%	96.56%	97.20%	558	98.74%	99.28%	97.13%	97.84%

RSP Issues Summary

- Aggregate performance was fairly stable between the first and second half of 2019
- Performance for messages delivered via HF continues to fall below requirements for RSP180
- Performance for messages delivered via Iridium paths (IG1-ARINC, IGW1-SITA) fell below RSP180 95% in a number of APAC FIRs
- Performance for messages delivered via some Inmarsat paths fell below RSP180 95% in a few APAC FIRs
- A few operators are observed below the RSP180 95% requirements in multiple APAC FIRs
- ❖ Operators should be encouraged to review all Service Information Letters (SILs) and Software Bulletins (SBs) released from their satcom avionics manufacturers, taking particular care to follow advice on Operator Requirement Table (ORT) set-up to optimising accessibility to Inmarsat GES resources

RCP Issues Summary

- Aggregate performance was fairly stable between the first and second half of 2019, with some degradation observed in the second half for a couple of FIRs
- Performance for CPDLC transactions delivered via HF and mixed media continues to fall below requirements for RCP240
- Performance for CPDLC transactions delivered via Iridium paths (IG1-ARINC, IGW1-SITA) fell below RCP240 95% in a few of Asia-Pacific FIRs
- A few operators are observed below the RCP240 95% requirements in multiple APAC FIRs