



# 2020 FIT-Asia Data Link Performance Report

**CAAC ATMB and FAA**

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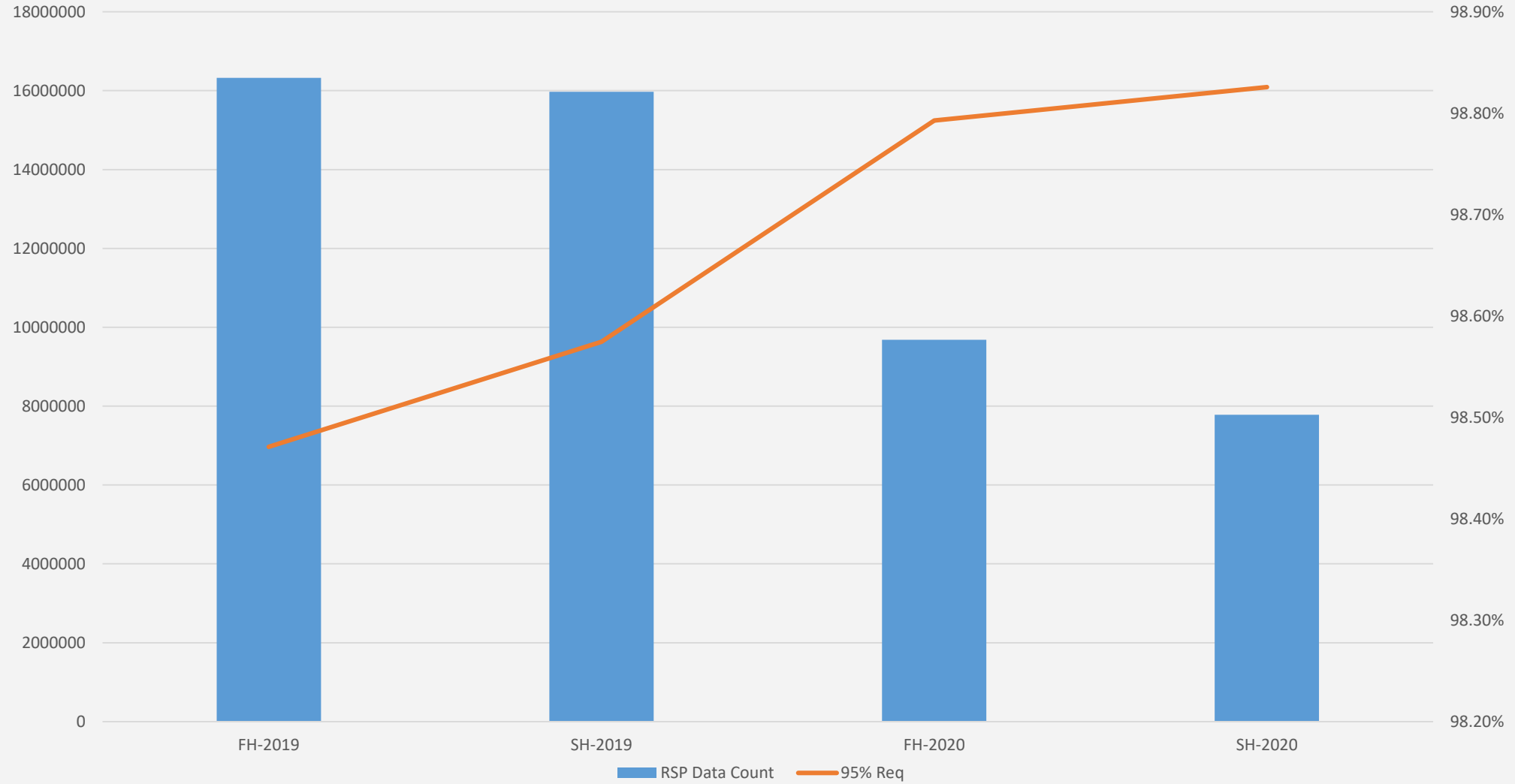
ACP Issues

# Reporting FIR

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

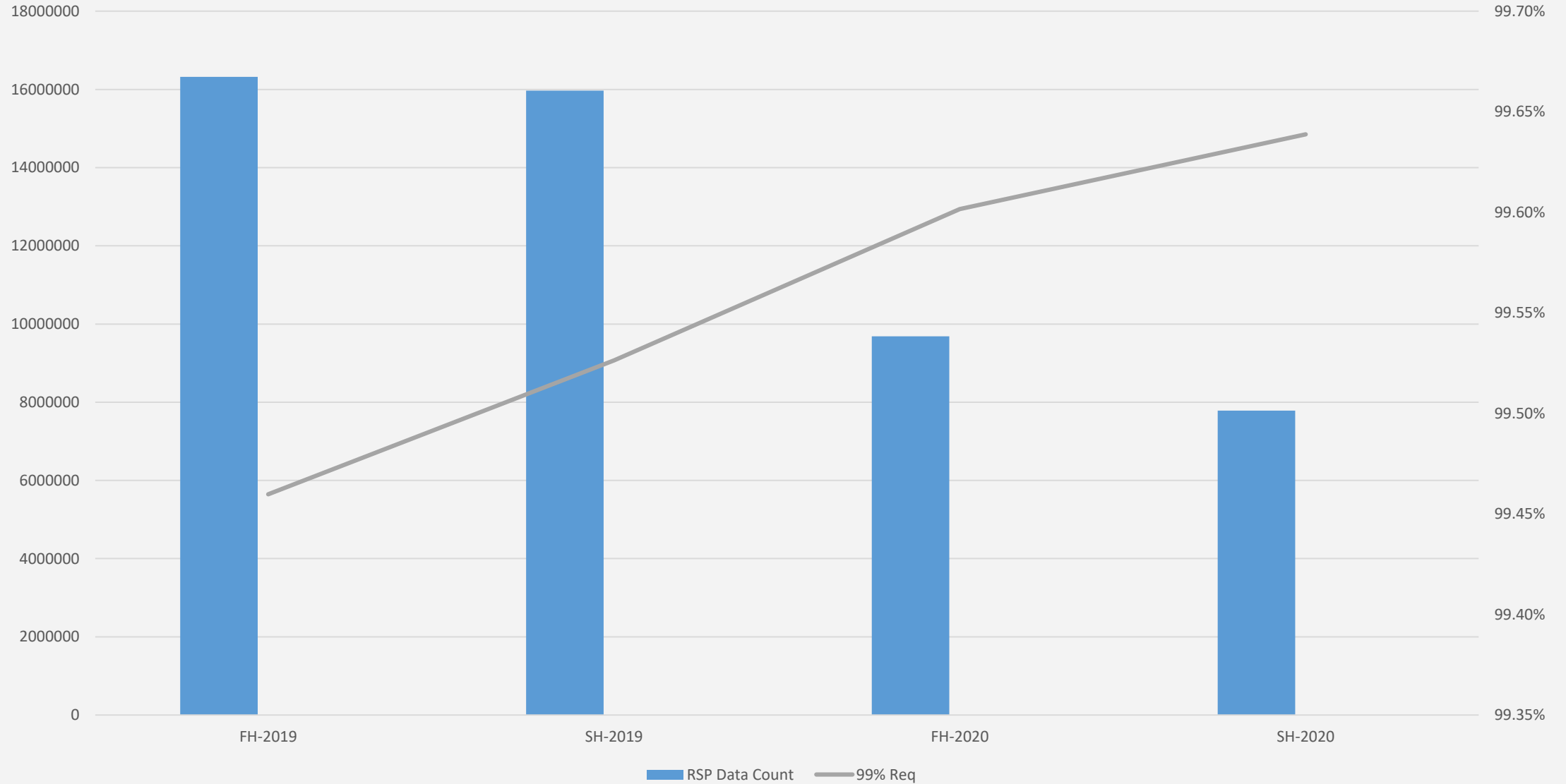
ACTUAL SURVEILLANCE PERFORMANCE - FIR AGGREGATE (ALL MEDIA TYPES)						
Region	Asia-Pacific Region					
Performance Criteria	RSP180					
Time Period	2020 January-June			2020 July-December		
Colour key <span style="color: green;">■</span> Meets criteria <span style="color: yellow;">■</span> 99.0%-99.9% <span style="color: orange;">■</span> Under criteria	Message Counts	Criteria		Message Counts	Criteria	
		95%	99.90%		95%	99.90%
		% <= 90sec	% <= 180sec		% <= 90sec	% <= 180sec
<b>FIR</b>						
PAZA	1118605	98.72%	99.61%	1132794	98.74%	99.58%
RJJJ	1682198	98.61%	99.64%	1622947	98.65%	99.67%
KZAK	3177308	98.85%	99.57%	2565101	98.97%	99.64%
NFFF	145044	99.19%	99.63%	85295	98.91%	99.54%
NTTT	41382	99.62%	99.79%	29863	99.78%	99.90%
NZZO	287518	99.20%	99.65%	119849	98.90%	99.72%
YBBB	77715	99.47%	99.81%	356715	99.47%	99.83%
YMMM	618952	99.31%	99.71%	315400	99.24%	99.67%
RPHI	266238	98.97%	99.71%	194382	99.13%	99.76%
VCCF	445521	99.19%	99.67%	251687	99.13%	99.63%
VOMF	241913	97.82%	99.12%	145599	98.34%	99.34%
VVTS	163068	98.69%	99.71%	132596	98.82%	99.81%
WAAF	135943	99.08%	99.39%	71874	99.06%	99.61%
WMFC	648166	98.28%	99.51%	429463	97.93%	99.45%
WSJC	299769	98.88%	99.75%	166320	99.22%	99.82%
ZLLL	217307	98.50%	99.60%	106240	97.90%	99.50%
ZWWW	118752	98.60%	99.60%	56315	97.80%	99.60%

# ASP Data General Analysis (95%)





# ASP Data General Analysis (99.9%)



## RSP Issues

- As was stressed in the last meeting , the IG 1 station might need further investigations from stakeholders, since there were general performance in-compliance.
- The constant drop of RSP data points might interfere in the individual analysis. Though some of the ground stations and operators were incompliant, it is recommended to keep its data and performance monitored to determine the further actions.

VHF	136	94.85%	97.05%	148	98.64%	99.32%
VHF	622	94.53%	97.59%	663	93.97%	97.13%
VHF	317	94.16%	94.74%	264	93.97%	95.07%
VHF	160	99.37%	99.37%	376	96.80%	98.67%
VHF				165	95.15%	96.96%
VHF	262	98.09%	99.61%	128	97.65%	98.43%
VHF	847	99.65%	99.73%	331	98.80%	98.90%

## RSP Issues

- A number of operators failed the performance requirements for the whole year, stakeholders could consider look into the issue if the monitoring results remain unimproved this year.
- HF results hardly achieve the RSP 240/D requirements in several FIRs.

Media Type	By Media Type					
HF	4878	69.86%	82.16%	5418	64.34%	76.85%
	272	40.81%	57.35%	277	18.95%	34.61%
	323	68.58%	83.80%	168	67.56%	85.12%
	67	94.21%	97.91%	47	76.10%	94.65%
	581	75.39%	91.79%	411	74.94%	88.44%
	81	53.86%	76.96%	65	68.75%	89.08%
	7290	63.15%	76.57%	5313	64.16%	77.06%
	273	68.9%	84.2%	168	85.1%	92.9%
	612	62.90%	75.81%	156	70.51%	84.61%
	1381	76.31%	88.63%	582	71.48%	84.54%
	518	58.69%	74.13%	277	70.76%	88.09%
	35	3.14%	65.71%	29	37.93%	62.06%
	25	56.00%	76.00%	5	0.00%	20.00%

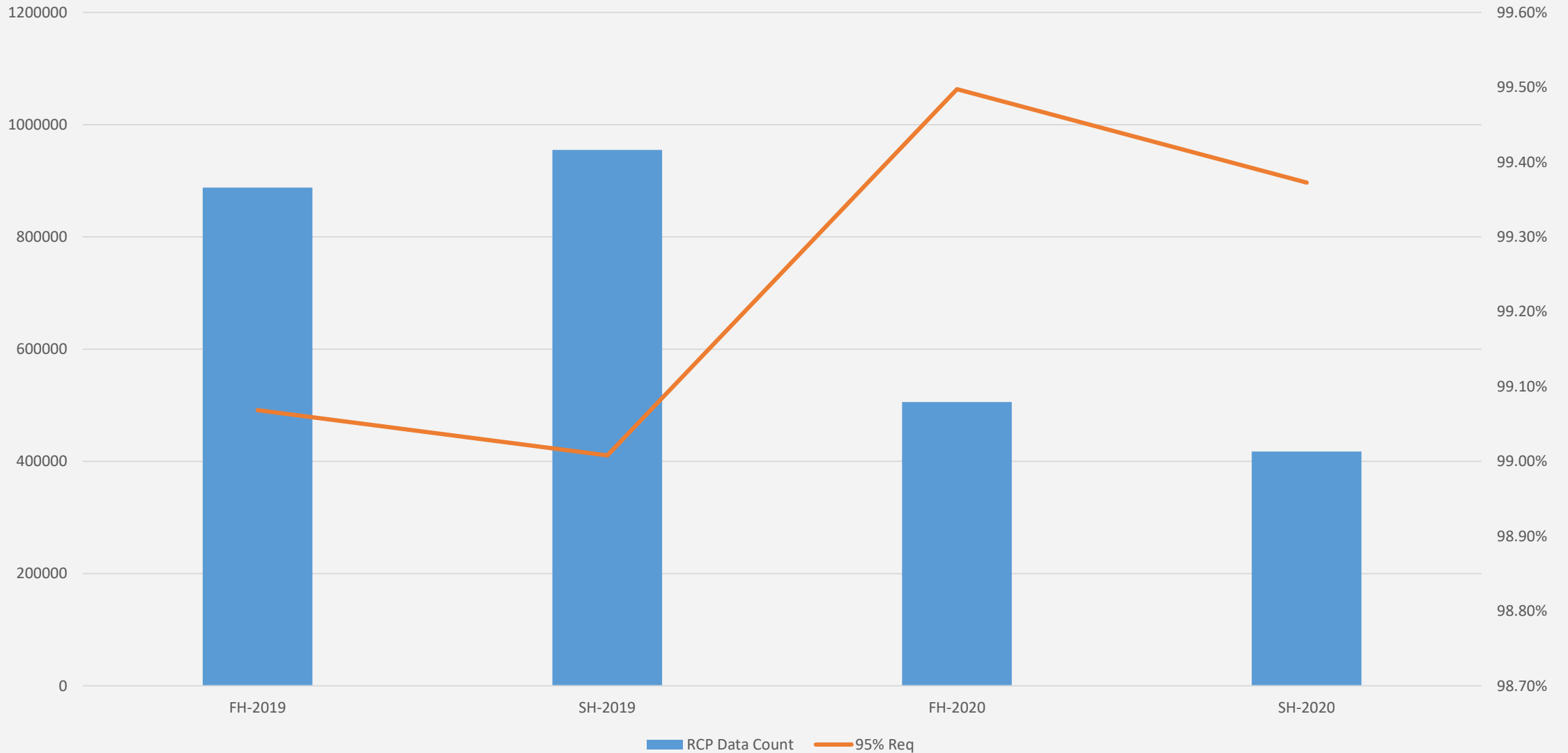
# ACP

## Consolidated

ACTUAL COMMUNICATION PERFORMANCE - FIR AGGREGATE (ALL MEDIA TYPES)										
Region	Asia-Pacific Region									
Performance Criteria	RCP240									
Time Period	2020 January-June					2020 July - December				
Colour key <span style="color: green;">■</span> Meets criteria <span style="color: yellow;">■</span> 99.0%-99.9% <span style="color: orange;">■</span> Under criteria	Message Counts	ACP Criteria		ACTP Criteria		Message Counts	ACP Criteria		ACTP Criteria	
		95%	99.90%	95%	99.90%		95%	99.90%	95%	99.90%
		% <= 180sec	% <= 210sec	% <= 120sec	% <= 150sec		% <= 180sec	% <= 210sec	% <= 120sec	% <= 150sec
<b>FIR</b>										
PAZA	70739	99.12%	99.33%	99.21%	99.50%	68090	99.06%	99.32%	99.24%	99.48%
RJJJ	34547	99.57%	99.78%	99.65%	99.75%	31739	99.60%	99.76%	99.63%	99.73%
KZAK	192062	99.31%	99.53%	99.65%	99.77%	142934	99.46%	99.64%	99.72%	99.84%
NFFF	3764	99.62%	99.81%	99.81%	99.89%					
NTTT	2939	99.49%	99.78%	99.71%	99.78%	1002	99.40%	99.70%	100.00%	100.00%
NZZO	7999	99.58%	99.73%	99.72%	99.74%	2803	99.82%	99.71%	99.89%	99.89%
YBBB	24042	99.25%	99.29%	99.46%	99.48%	11475	99.29%	99.29%	99.48%	99.48%
YMMM	29335	99.55%	99.48%	99.67%	99.66%	12820	99.38%	99.38%	99.53%	99.53%
RPHI	4665	97.59%	97.84%	98.91%	99.24%	9044	98.24%	98.40%	98.58%	98.82%
VCCF	24214	98.45%	99.53%	99.28%	99.78%	16601	98.37%	99.39%	99.17%	99.76%
VOMF	31266	99.77%	99.86%	99.84%	99.86%	31445	99.77%	99.85%	99.84%	99.86%
VVTS	26896	95.80%	96.31%	99.40%	99.65%	31859	96.26%	96.64%	99.48%	99.72%
WAAF	21900	98.20%	98.45%	99.70%	99.78%	11451	97.80%	98.12%	99.68%	99.75%
WMFC	9261	98.14%	98.71%	98.54%	99.11%	30246	97.67%	98.45%	97.42%	98.40%
WSJC	19113	98.94%	99.29%	98.87%	99.22%	14758	98.93%	99.20%	99.05%	99.29%
ZLLL	2447	97.99%	98.32%	98.40%	98.81%	1140	97.10%	97.28%	98.42%	98.68%
ZWWW	464	95.90%	96.76%	93.31%	96.98%	111	97.29%	98.19%	96.39%	96.39%

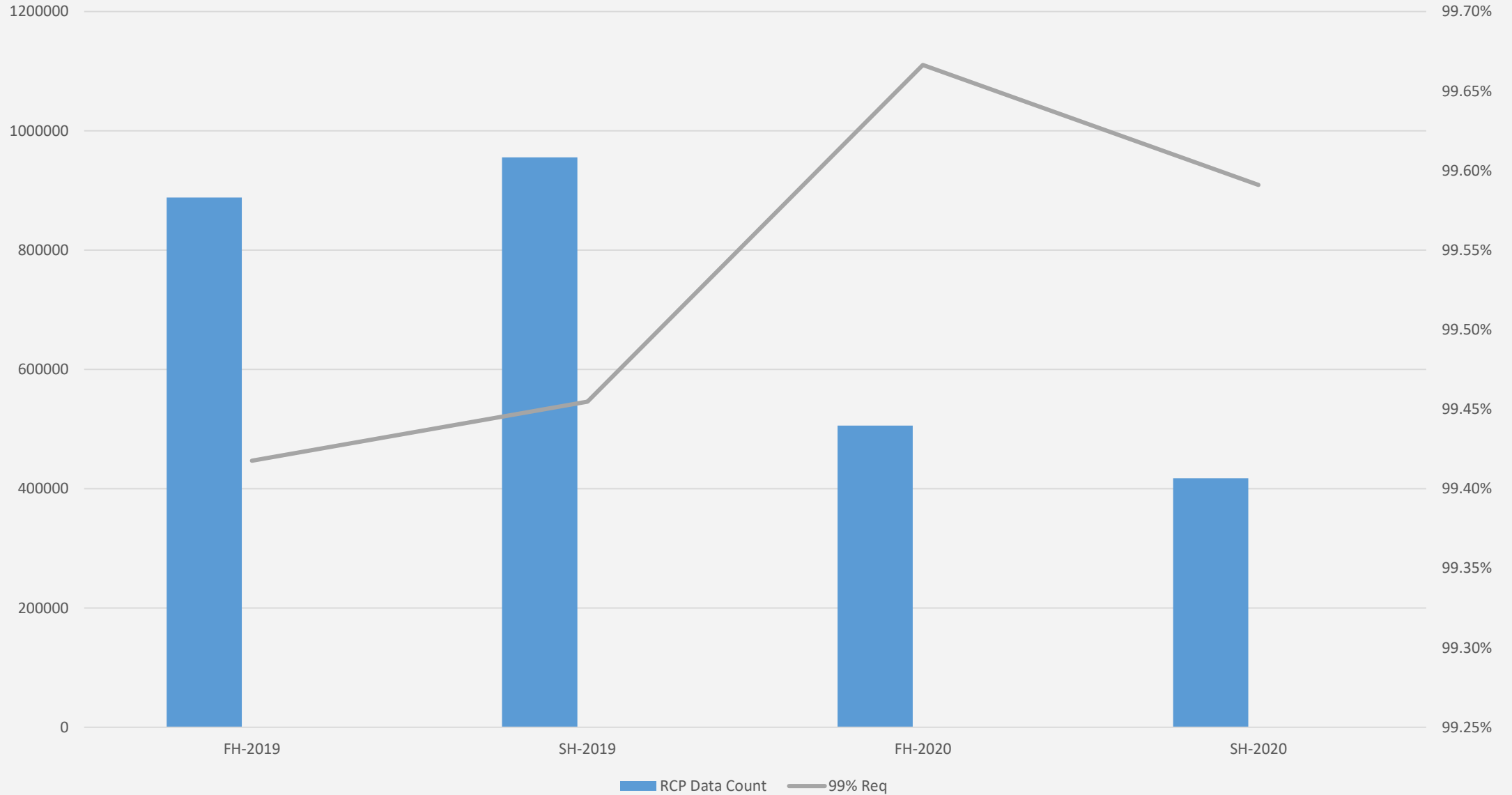


# ACTP Data General Analysis (95%)



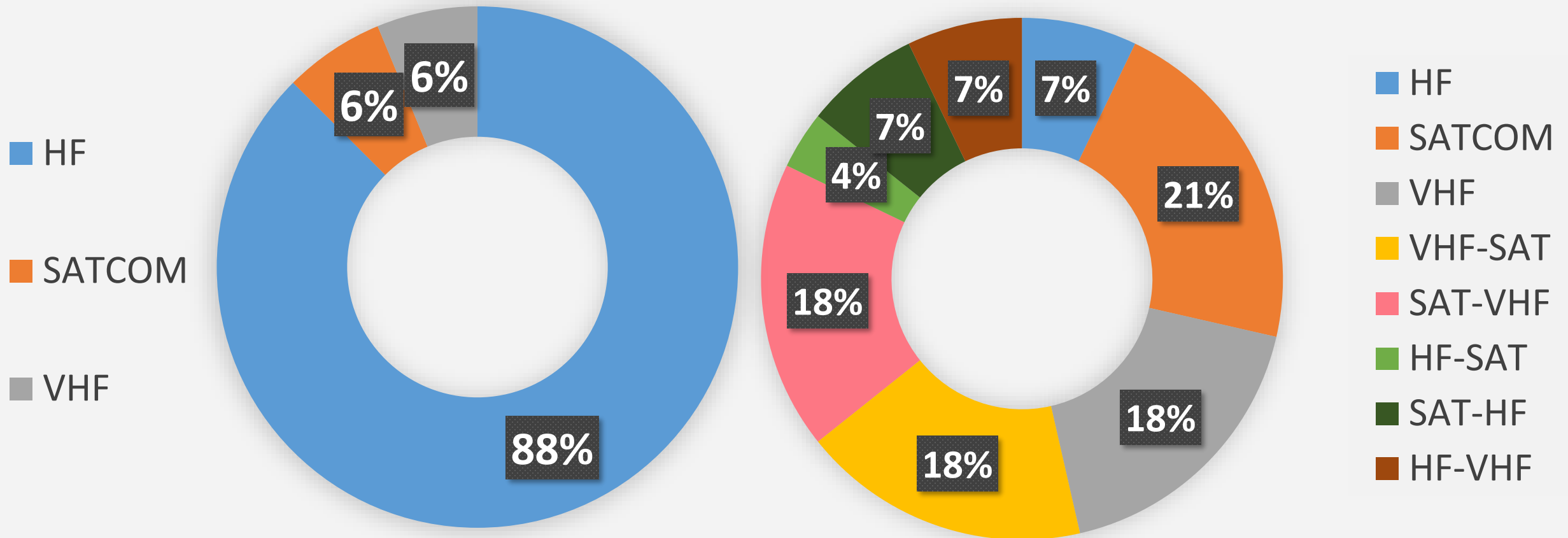


# ACTP Data General Analysis (99.9%)



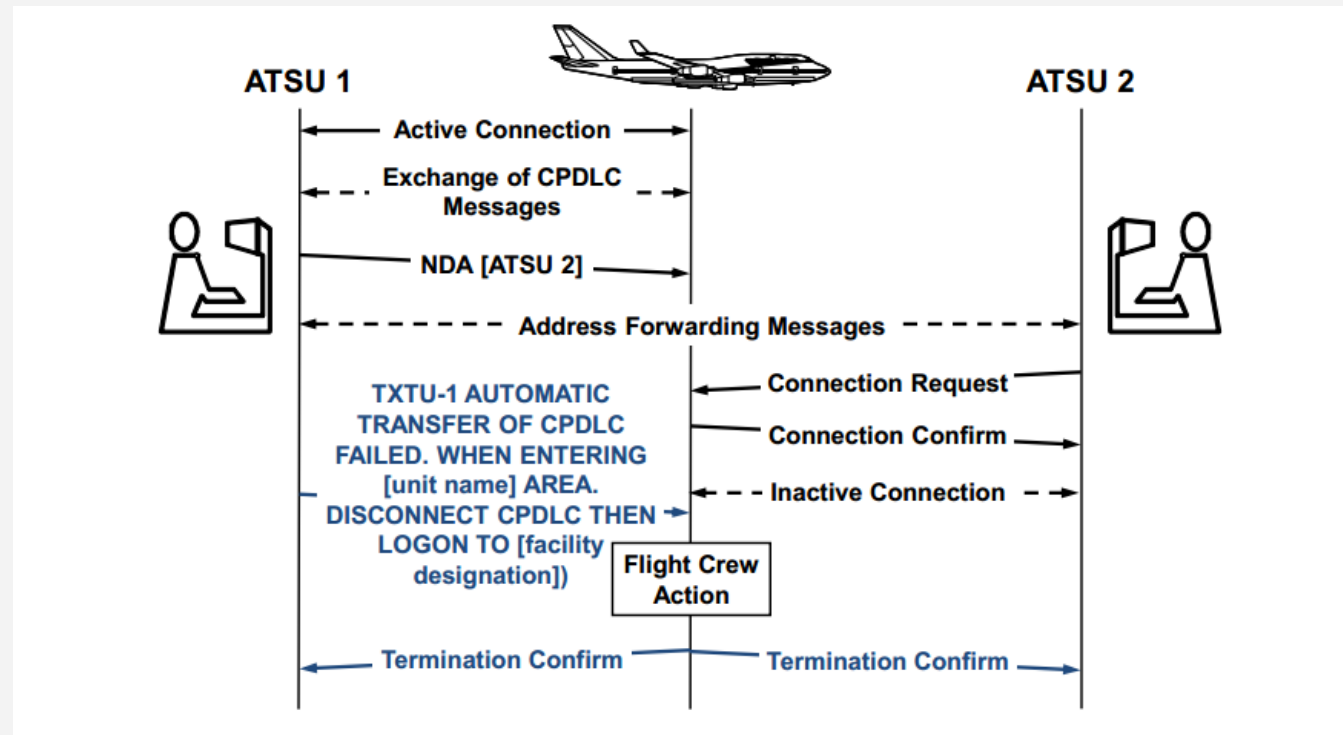
# RCP Issues

RCP in compliant Media are more divergent than the RSP issues, especially for the 99.9% requirements.



## RCP Issues

·PORT requirements were not met by a number of operators. The operators may firstly investigate their avionic systems or software updates. If the avionic systems are appropriately set, consider reaching the operators to stress the SARP described in the *GOLD Manual* to improve their data link operation.



# RCP Issues

- While most operators met the RCP 240 95% requirements, more efforts should be done to improve the 99.9% requirements.

1745	98.91%	99.03%	99.08%	99.08%	98.85%	1272	98.66%	98.82%	98.90%	98.90%	98.58%
229	98.25%	98.69%	98.25%	98.69%	97.82%	182	97.80%	98.90%	98.35%	98.90%	98.35%
1117	99.10%	99.10%	98.93%	99.02%	99.02%	1282	98.67%	98.67%	98.36%	98.67%	98.83%
1476	97.29%	98.44%	98.24%	99.05%	95.05%	1555	96.14%	97.36%	97.30%	98.59%	94.79%
581	98.62%	98.80%	98.45%	98.80%	97.42%	315	99.37%	99.37%	99.68%	99.68%	98.10%
212	98.58%	98.58%	99.06%	99.53%	96.23%	462	98.70%	98.92%	98.48%	98.92%	96.10%
2636	97.15%	97.72%	97.15%	97.91%	97.76%	3245	96.30%	97.32%	95.99%	96.70%	97.60%
1471	96.80%	97.48%	96.53%	97.82%	95.38%	156	98.08%	98.08%	98.72%	98.72%	97.44%
172	100.00%	100.00%	100.00%	100.00%	100.00%	158	98.10%	98.73%	97.47%	98.10%	100.00%
1401	98.14%	98.36%	98.43%	98.64%	97.79%	1120	98.84%	99.02%	99.20%	99.20%	96.96%
127	100.00%	100.00%	100.00%	100.00%	96.85%	115	97.39%	97.39%	97.39%	97.39%	98.26%
13	100.00%	100.00%	100.00%	100.00%	100.00%	108	96.30%	96.30%	98.15%	98.15%	91.67%
311	97.11%	97.75%	98.71%	98.71%	94.53%	295	99.66%	99.66%	99.66%	100.00%	96.95%
904	97.79%	98.01%	97.79%	97.79%	98.12%	1420	98.52%	99.01%	98.59%	98.80%	98.73%
65	100.00%	100.00%	100.00%	100.00%	93.85%	126	96.83%	97.62%	99.21%	99.21%	85.71%
252	98.81%	98.81%	99.21%	99.60%	95.24%	223	99.55%	100.00%	99.55%	100.00%	95.96%
882	99.21%	99.32%	99.77%	99.89%	96.26%	1091	98.35%	98.81%	99.36%	99.82%	95.51%
149	98.66%	99.33%	100.00%	100.00%	97.32%	132	96.21%	98.48%	98.48%	99.24%	96.21%
142	97.18%	97.18%	100.00%	100.00%	87.32%	138	97.83%	99.28%	100.00%	100.00%	94.20%
542	97.97%	98.52%	98.52%	98.52%	96.13%	844	98.46%	98.82%	98.58%	99.05%	95.62%
1137	97.80%	98.42%	98.68%	98.86%	95.60%	219	97.26%	97.26%	97.72%	98.17%	94.98%
713	98.60%	98.74%	99.16%	99.44%	96.63%	745	98.39%	98.79%	99.19%	99.60%	96.91%
1396	97.64%	98.07%	99.07%	99.14%	96.49%	1501	97.27%	97.60%	99.07%	99.20%	95.87%
117	98.29%	98.29%	98.29%	99.15%	94.02%	295	98.64%	98.98%	98.98%	99.32%	91.86%
455	98.24%	98.46%	99.34%	99.78%	93.63%	374	98.66%	98.93%	99.20%	99.47%	96.52%
251	100.00%	100.00%	100.00%	100.00%	100.00%	117	98.29%	98.29%	98.29%	98.29%	100.00%



Thank you

谢谢聆听