The Fifteenth Meeting of the ISPACG Planning Team
(ISPACG-PT/15)

Papeete, Tahiti
3 March 2014

Agenda Item 3: Data Link Working Group

REPORT OF THE DATA LINK WORKING GROUP

Presented by Airways New Zealand

SUMMARY

The Data-link Working Group (DWG) was created by ISPACG/20 in 2006 to address issues associated with the provision of data-link. This paper reviews data link operations since Planning Team 14 (PT14).

1. INTRODUCTION

1.1.   A significant change to the Inmarsat network occurred in 2013 with a successful upgrade to the I3 Satellite Remote Ground Stations completed without incident. FANS1/A performance measured against RCP240 and RSP180 has shown little change since PT14.

1.2.   The establishment of a performance based framework for RCP and RSP in Asia/Pacific is progressing slowly. An upgrade of the ISPACG CRA website is in progress with completion scheduled by June 2014.

2. DISCUSSION

CRA Website and FANS1/A monitoring

2.3.   Issues regarding ISPACG stakeholder's participation in performance monitoring were discussed in FIT 19 WP08. Staffing shortages in the Airways Oceanic Development team through 2013 have impacted on our ability to monitor FANS1/A performance and progress regional monitoring. With these staffing issues resolved the intention is to progress both issues in 2014. An update is requested from ISPACG PT members as to status of FANS1/A monitoring per the guidance in GOLD Appendix D.

2.4.   Work is underway on a refresh of the ISPACG CRA website. The intention is to have this completed by June 2014 and a brief paper on the subject will be presented at FIT 21.

FANS1/A Availability

2.5.   Assessing the availability of the Iridium network is difficult. The observed availability in terms of notified outages is still well below that expected however a large number of the notified outages refer to degraded performance and it is difficult to assess what is any degradation is being observed. We see little Iridium traffic in NZZO and feedback is requested from other PT members.

2.6.   Two recent 20 minute outages in the INMARSAT network has impacted performance but availability has been good through 2013 upgrades of the Inmarsat I3 RGS were completed without incident. Refer to FIT working papers for availability data.

FANS1/A Performance

2.7.   FANS1/A ADS-C latency and CPDLC communications performance is stable. Refer to FIT WP for details.

Asia-Pac Performance based communications and surveillance (PBCS)

2.8.   Two workshops on PBCS were completed at ICAO Bangkok. The first was a one day event in organised by the ATM section in March 2013 before the RASMAG and FIT Asia meetings. The second workshop was scheduled in May and organised by the CNS section. Feedback from both seminars was positive.

2.9.   Outcomes from APANPIRG included:

- Conclusion 24/24 - ADS/C and CPDLC Problem Reporting and Analysis.
- Conclusion 24/25 – Enroute monitoring agency and tasks.
- Conclusion 24/34 – Adopt GOLD Edition 2.
- Conclusion 24/33 - APAC RCP/RSP Implementation Framework

2.10   Conclusion 24/33 requires that APANPIRG sub-groups include in their work program and implementation initiatives consideration of the required communication performance (RCP) and required surveillance performance (RSP) framework. The deliverable for this conclusion is to update the work program of the CNS sub group.

2.11   Airways will present a paper at FIT21 discussing two events that occurred in 2013 that we think illustrate why we are implementing PBCS.

3. ACTION BY THE MEETING

3.1.   The meeting is invited to note the information in this paper and agree a way forward for ISPACG in regards to FANS1/A performance monitoring and implementation of PBCS in the SOPAC.