International Civil Aviation Organization

**THE SIXTH MEETING OF AERONAUTCAL
TELECOMMUNICATION NETWORK (ATN)
IMPLEMENTATION CO-ORDINATION GROUP
OF APANPIRG (ATNICG/6)**

Seoul, Republic of Korea, 16 - 20 May 2011

Agenda Item 8:   **Security**

**STATUS OF ASIA/PACIFIC SECURITY DOCUMENTATION
AND PROPOSED FUTURE ACTIVITIES**

(Presented by the USA)

SUMMARY
This paper reviews the Asia/Pacific Security Documentation developed to date and proposes future activities/products related to security.

1. Introduction

The following tasks have been completed and associated documents have been developed to date.

(1) Develop ATN System Security Policy	**Asia/Pacific ATN System Security Policy, 2nd Edition, September 2008**
(2) Develop ATN System Security Guidance	**Asia/Pacific ATN System Security Guidance Document, 2nd Edition, September 2010**

(3) Develop ATN System Security Solution for Initial and Enhanced Services	Included in Technical Controls section of System Security Guidance
(4) Co-ordinate and monitor ACP working group and other regions including Directory Service, PDRs	Reports of ACP and Regional meeting
(5) Develop IPS Security Policy and update the relevant guidance documents	Developed ATNICG WG/6-WP/13, "Security Considerations With The Transition To IPS", at Sixth Working Group Meeting (ATNICG WG/6) Hua Hin, Thailand
(6) Develop ATN System Security Check List based on Security Control and Regional Incident Response Plan and Contingency Plan	Check List is Asia/Pacific Recommended Security Checklist, 1st Edition, September, 2009

Regional Incident Response Plan and Contingency Plan Outlines are attached to Asia/Pacific ATN System Security Guidance Document |

2.   On-Going Tasks and Deliverables

2.1   Security Policy, Security Guidance, and Security Checklist

Recommendation 1: It is recommended that these documents be revised as required.

2.2   ATN System Security Solution for Initial and Enhanced Services

The Technical Controls section of System Security Guidance defines the following candidate controls for Initial Services:

- AC - Access Control
- AU - Audit and Accountability
- IA - Identification and Authentication
- SC - System and Communications Protection
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Under System and Communications Protection the Guidance document notes that the use of dedicated point-to-point X.25 circuits limits access since X.25 circuits are associated with specific physical ports. In addition it is noted that IDRP security provisions may also be applied.

Recommendation 2: This section should be updated to describe provisions to be applied to IP SNDCF circuits.

AMHS end-to-end security should also be addressed when Asia/Pac is ready to adopt some type of database (e.g. X.500) to store Certificates and Certificate Revocation Lists.

Recommendation 3: It is recommended that this be in a separate stand-alone document based on ACP materials and materials from the EUROCONTROL AMHS Specification which has an appendix dedicated to AMHS security.

2.3   Develop IPS Security Policy and update the relevant guidance documents

ATNICG WG/6-WP/13, "Security Considerations With The Transition To IPS", was presented at the Sixth Working Group Meeting (ATNICG WG/6) Hua Hin, Thailand.

Recommendation 4: It is recommended that this paper along with additional guidance from ACP be developed as a separate stand-alone document.

3.   RECOMMENDATIONS

3.1   The ATNICG is invited to consider the 4 recommendations in section 2 of this paper.

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