



*International Civil Aviation Organization*

**Fifth Meeting of Aeronautical Telecommunication Network (ATN)  
Transition Task Force of APANPIRG**

Phuket, Thailand, 9-13 June, 2003

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**Agenda Item 3:           Review of the ATN Router Interface Control Document**

**ATN Ground-to-Ground Router Description**

(Presented by the United States of America)

**Summary**

This paper present the proposed outline for the ATN Ground-to-Ground Router Description

## **ATN Ground-to-Ground Router Description Document Outline**

### **1     Introduction**

- 1.1     Background
  - 1.1.1   ATN Introduction
  - 1.1.2   ATN Component
- 1.2     Scope
- 1.3     Referent Document
  - 1.3.1   SARPs (ICAO DOC 9705 edition. x)
  - 1.3.2   Asia/Pacific Ground-to-Ground Router ICD

### **2     ATN G/G router requirement**

- 2.1     Routed Protocol
  - 2.1.1   CLNP
- 2.2     Routing Protocols
  - 2.2.1   IDRP Inter-domain Routing Protocol
  - 2.2.2   IS-IS Intra-domain Routing Protocol
  - 2.2.3   ES-IS End System-Intermediate System Routing Protocol
- 2.3     Sub-network Dependant Convergence Function
  - 2.3.1   8208 SND CF
  - 2.3.2   8802-2 SND CF
- 2.4     Sub-network Support
  - 2.4.1   WAN: X.25, Point-to-Point
  - 2.4.2   LAN: 8802-2,3
- 2.5     Network Management
- 2.6     Performance Requirement
  - 2.6.1   Minimum WAN Speed
  - 2.6.2   Minimum LAN Speed
  - 2.6.3   Minimum Number of Interface Port
  - 2.6.4   Routing Information Update
  - 2.6.5   Data Relay
  - 2.6.6   System Recovery Time
  - 2.6.7   Reliability and Maintainability
    - 2.6.7.1   Mean-Time-Between-Failure
    - 2.6.7.2   Mean-Time-To-Repair
    - 2.6.7.3   System Availability

### **3     Appendix**

- 3.1     CLNP APRLs
- 3.2     IDRP APRLs
- 3.3     IS-IS APRLs
- 3.4     ES-IS APRLs
- 3.5     APRLs of SND CF for ISO/IEC 8208
- 3.6     APRLs of SND CF for ISO/IEC 8802-2
- 3.7     Acronyms