



International Civil Aviation Organization

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

Phuket, Thailand, 9-13 June, 2003

Agenda Item 4: Review the development status of ATN technical documents

ATN AMHS System Description

(Presented by the United States of America)

Summary

This paper present the proposed outline for the AMHS System Description.

AMHS System Description
Document Outline

1 Introduction

1.1 Background

1.1.1 ATN Introduction

1.1.2 ATN Ground-to-Ground Application

1.2 Scope

1.3 Referent Document

1.3.1 SARPs (ICAO DOC 9705 edition x)

1.3.2 Asia/Pacific AMHS ICD

2 AMHS Functionality

2.1 AMHS Basic Service

2.2 AMHS Extend Service

3 AMHS System Requirement

3.1 MTA Function Based on X.400

3.2 MF Address and XF Address Schemes

3.3 User Agent

3.4 AFTN or CIDIN to AMHS Gateway Conversion Function

3.5 System Management

3.6 Information Security

3.7 Performance Requirement

3.7.1 Minimum WAN/LAN Speed

3.7.2 Message Processing Speed (Message/Second)

3.7.3 Queuing Size

3.7.4 Minimum Message Store

3.7.5 System Recovery Time

3.7.6 Reliability and Maintainability

3.7.6.1 Mean-Time-Between-Failure

3.7.6.2 Mean-Time-To-Repair

3.7.6.3 System Availability

4 Appendix

4.1 AMHS PICS

4.2 Mean AFTN Message Size, and Mean AMHS Message Size

4.3 Acronyms