



ATN Services Enhancement

**AMHS Implementation
Workshop**

Bangkok, Thailand

27th – 28th January 2010

Topics



- Identify the new requirements for AMHS/AFTN to support new message format

New FPL format



- The new message format in the Amendment 1 to the Fifteenth Edition of PANS-ATM (Doc 4444) has been approved by the Air Navigation Commission and will become applicable from 15 November 2012

Analysis for new requirements



- related to designated task *e.g. to Indentify the new requirements for AMHS/AFTN to support new message format.*
- Initial analysis of the AMHS Specification in ICAO Doc 9705 3rd Edition
 - Most of available AMHS software and implemented systems is developed based on this edition

ICAO Doc 9705 Sub-Volume III



- Consider the MTCU Section of the ICAO Doc 9705 because the material is related to the AFTN aspects and conversion of AFTN messages to AMHS message.



3.1.2.3.2.5.1 An AFTN message or service message passed by the AFTN Component to the Message Transfer and Control Unit in application of 3.1.2.3.2.1.4 items a) and b), 3.1.2.3.2.1.6 and 3.1.2.3.2.1.7 shall be:

- a) transferred according to the table of priorities as specified in Annex 10, Volume II, 4.4.1.2.1; and*
- b) **passed as received by the AFTN Component from the adjacent AFTN centre**, with the possible exception of an ITA-2 to IA-5 conversion performed in application of 3.1.2.3.2.1.2, and including the unaltered AFTN heading if present in the received message.*



- Messages that are not an AFTN acknowledgement message or an AFTN service message requesting correction by the originator of a message

*3.1.2.3.4.2.1.8 The content of the Text of an AFTN message shall **be conveyed in its entirety** as the value of the ATS-Message-Text element in the IPM text of the converted AMHS message.*

Initial Analysis



- According to those paragraphs, it shows that the AFTN/AMHS Gateway will not perform any change with the content of an AFTN message. Therefore, it can be initially assumed that the changes of message format will not take any effect to the system.



Thank you