



International Civil Aviation Organization

**THE EIGHTH MEETING OF AERONAUTICAL
TELECOMMUNICATION NETWORK (ATN)
IMPLEMENTATION CO-ORDINATION GROUP
OF APANPIRG (ATNICG/8)**

Jakarta, Indonesia, 18 - 21 March 2013



Ministry Of Transportation
Republic of Indonesia

Agenda Item 3: Review States' ATN/AMHS Implementation Status, Transition and Operational Issues

REPORT OF ATN/AMHS STATUS IN INDONESIA

(Presented by Indonesia)

SUMMARY

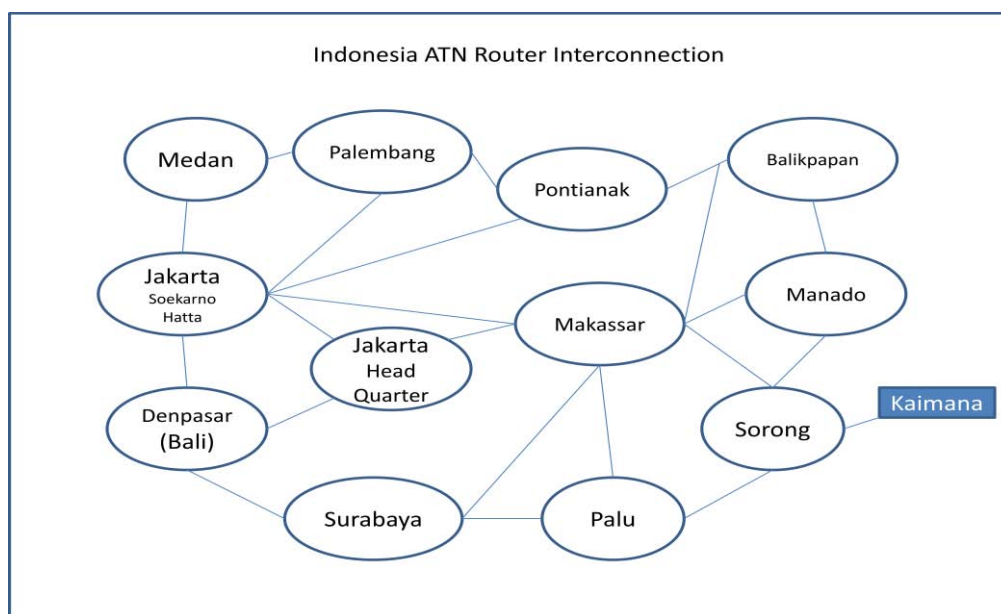
This Information Paper serves to update the meeting on the status the development of the ATN/AMHS activities in Indonesia.

1. INTRODUCTION

1.1 In order to development the implementation of ATN in Indonesia, DGCA has taken steps such as administration and developing infrastructure of ATN.

1.2 At the Seventh ATNICG (ATNICG/7) meeting in Chiang Mai, Thailand in February 2012, an Information Paper was presented on the ATN/AMHS trial activities between Indonesia and Singapore.

1.3 Concerning implementation of ATN is to plan installation of ATN/AMHS in Indonesia as shown in the picture bellow.



1.4 Other DGCA activity ATN/AMHS Implementation is re-alignment location indicator, which will provide the AMHS Addressing Scheme.

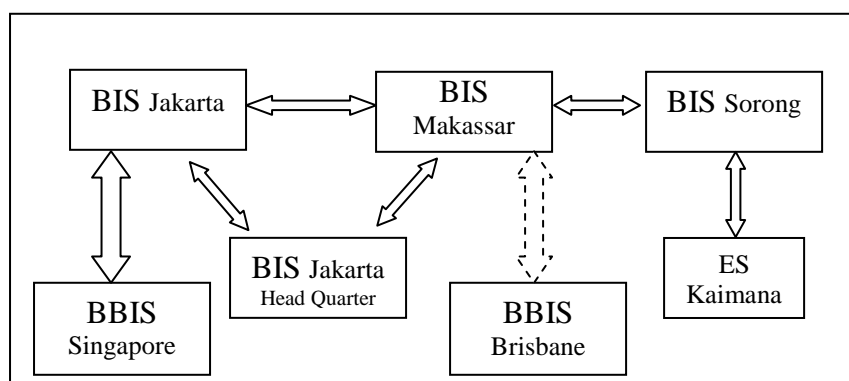
2. ATN/AMHS TRIAL

2.1. ATN/AMHS in Indonesia has been installed in Jakarta (Soekarno Hatta International Airport), Makassar, and Jakarta (DGCA Head Quarter/NOTAM Office)

2.2. Inter-operability test ATN/AMHS Jakarta – Singapore was finished on July 2011. The inter-operability was indicated the need to upgrade bandwidth (19.2 kbps to 64 kbps). Indonesia – Singapore was ready for bandwidth upgrading to 64 kbps.

2.3. The Inter-operability test have been agreed with the ASIA/PAC Guidance Document for AMHS Conformance Testing (AMHS Manual) Annex F Pre-Operational Test.

2.4. On 2012 DGCA has installed the new Boundary Intermediate System (BIS) in Sorong (West Papua) which is connected to BIS Makassar and to Kaimana (as End System), as shown in the picture bellow:



2.5. ATN/AMHS trial for Makassar and Sorong has been testing in accordance to the interoperability test procedures as defined in Annex E of the Asia/Pacific guidance document for AMHS conformance testing (AMHS Manual).

2.6. In May 2012 DGCA has been signing contract for AMHS Boundary Intermediate System in Sorong and End System in Kaimana , which has been site acceptance test on December 2012. Following the status of procurement AMHS Sorng - Kaimana, DGCA has been done the trial connectivity AMHS/AFTN gateway between Kaimana, Sorong and Makassar.

2.7. The procurement status for AMHS in Sorong - Kaimana :

- Signing contract on May 2012
- Factory Acceptance Test on October 2012
- Physical Installation of system on November 2012
- Site acceptance test on December 2012

2.8. The AMHS/AFTN gateway connectivity trial between Sorong - Makassar, and Sorong - Kaimana using SND CF over IP (64 kbps) using VSAT on December 2012.

2.9. The testing process will follow the standard of ANNEX D of the Asia/Pacific guidance document for AMHS Testing Requirements.

2.10. During the trial, the AMHS system will not affect the AFTN existing system operate by PT. Angkasa Pura I (Makassar).

3. REALIGNMENT LOCATION INDICATOR

3.1. Realignment Location Indicator intends to prepare transitions ground to ground communication system from AFTN towards ATN.

3.2. Realignment Location Indicator has been discuss with all parties related to the AFTN operator and engineer from the DGCA, PT. Angkasa Pura I, and PT. Angkasa Pura II.

3.3. The Meeting first taken on June 2011, and on 2012 the draft of new Location Indicator for Indonesian.

3.4. DGCA will report the conclusion of new Location Indicator to ICAO Regional Office as a stage of ATN Development in Indonesia

4. ACTION TAKEN BY THE MEETING

4.1 The meeting is invited to note the above information.

Attachment 1A

FORMAT FOR REPORTING IMPLEMENTATION STATUS
(BIS Sorong and ES Kaimana)

- Contract Signed (Date) May 2012
- Completion of physical installation (Date) November 2012
- Completion of Training (Date) December 2012
- Completion of local testing (Date) December 2012
- Circuit test schedule
 - o *Bilateral agreement signed with the reciprocal end (Date):*
 - o *Bilateral test carried out as per the procedure prescribed (Date):.....*
- Transition AFTN/AMHS (Date/Schedule) 2015
- Setting up of AMHS UA (Date) November 2012
- Final Acceptance and Contract Signoff (Date) December 2012
- AMHS transition (Date/Schedule) 2015
