



**International Civil Aviation Organization**

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



Seoul, Republic of Korea, 16 - 20 May 2011

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**Agenda Item 4: Review States' ATN/AMHS Implementation Status, Transition and Operational Issues**

**ATN/AMHS IMPLEMENTATION STATUS**

(Presented by Fiji Islands)

**SUMMARY**

This information provides the ATN/AMHS Implementation status of Fiji Islands.

## **ATTACHMENT 1A**

### **FORMAT OF IMPLEMENTATION STATUS REPORT**

- Contract signed – ***March 2009***
- CDR (Design Review) completed – ***May 2009***
- FAT (Factory Acceptance Testing) – ***November 2009***
- Installation at Site: – ***January 2010***
- SAT (Site Acceptance Testing) – ***February 2010***
- Training – ***February 2010 and Ongoing***
- Test schedule
  - Bilateral agreement worked out with reciprocal ends
    - ***Fiji – USA LOA signed on 26 May 2009 using ATN OSI over X25 subnet***
    - ***Fiji – Australia LOA signed on 20 April 2010 using ATN OSI over IP subnet***
  - Test carried out –
  - ***Fiji - USA***
    - ***Interoperability testing completed with USA on the AFTN/AMHS Gateway during FAT in November 2009.***
    - ***Physical connection testing completed in December 2010***
  - ***Fiji – Australia***
    - ***Physical connection installation of a new 64K link – April/May 2011***
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- Transition AFTN/AMHS –
  - ***Inter-region connection (USA & Australia) – 2011***
  - ***Intra-Region connection (New Caledonia, Kiribati, Tuvalu, Wallis) -2012***
  - ***Domestic – 2011/2012***
- Setting up of AMHS UA's – ***2010/2011***
- Final Acceptance Contract Signoff – ***May 2010 (Signed off contract after successful completion of RAT and system commissioned on July 2010 to support AFTN/AIS/OPMET as replacement to the old AFTN switch.)***

- AMHS transition – *(Plan with schedule)*
  - *Inter-region connection (USA & Australia) transition from ATN OSI to ATN IPS – TBD*
  - *Intra-Region connection (New Caledonia, Kiribati, Tuvalu, Wallis) transition from -2012*
  - *Domestic – 2011/2012*

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**ATN/AMHS IMPLEMENTATION STATUS**

**Name of the State:** Fiji

**Name of the ATN/AMHS Station:** Nadi

Physical Implementation status

1) Date of completion of physical implementation (if implementation completed): \_\_\_\_\_

a) *Fiji – USA completed in December 2009*

b) *Fiji – Australia in April/May 2010*

Status of operational connectivity:

(Please provide the date of completion of the following steps or the tentative dates of completion if the steps have not been completed)

Reciprocal End Station	Media on available	MOU on signed	Testing completed on			Commissioning of operation
			Physical connection Test	Router Connection Test	MTA Interoperability Test	
USA	ATN OSI over X25 subnet (9.6Kbps of the existing 64K AFS network)	May 2010	December 2010	3 <sup>rd</sup> Quarter 2011	4 <sup>th</sup> Quarter 2011	4 <sup>th</sup> Quarter 2011
Australia	ATN OSI over IP subnet (64Kbps on the new circuit)	April 2011	May 2011	2 <sup>nd</sup> Quarter 2011	2 <sup>nd</sup> Quarter 2011	3 <sup>rd</sup> Quarter 2011
New Caledonia	64Kbps	2012	2012	2012	2012	2012
Kiribati	VPN over internet	2012	2012	2012	2012	2012
Tuvalu	VPN over internet	2012	2012	2012	2012	2012
Wallis	VPN over internet	2012	2012	2012	2012	2012

- 2) Tentative date of completion of physical implementation (if physical implementation not completed):

Procurement Status	Date/Tentative Date
Signing of contract	Done 2009
Completion of Factory Acceptance Test	Done Nov 2009
Physical installation of system	Done Jan 2010
Site acceptance testing	Done Feb 2010
Training	Done Feb 2010 On-going
Availability of media (for the first circuit)	Refer 1A
Completion of testing (for the first circuit)	Ref 1A
Commissioning of operation (for the first circuit)	Ref 1A

- 3) Sub-net level protocol

If your State is using IP for

- 1) AFTN connectivity  ↑ IPV4
- 2) AMHS connectivity  IPV4
  - a. MTA/MTA ↑  ATN OSI over IP subnet (Fiji - Australia)
  - b. MTA/UA  ↑ IPV4

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