



Agenda Item 2: ATM Developments

**2.2 Follow-up on Regional Activities and Implementation Relating to Airspace
Organization and Management (AOM)**

**WEST ATLANTIC ROUTE SYSTEM (WATRS) PLUS ROUTE STRUCTURE REDESIGN
AND SEPARATION REDUCTION - SIGNIFICANT TASKS AND EVENTS**

(Presented by the United States of America)

SUMMARY

This IP provides an update on the status of significant tasks and events related to implementation of WATRS Plus Route Structure Redesign and Separation Reduction on 5 June 2008.

1. Introduction

1.1 The purpose of this IP is to provide an update on the status of significant tasks and events related to implementation of WATRS Plus Route Structure Redesign and Separation Reduction on 5 June 2008.

2. **Key Dates.** The following are key 2008 dates leading to WATRS Plus Project implementation.

Table 1

	Key WATRS Plus Project Implementation Dates
1 April 2008	1. WATRS Plus Project implementation readiness review completed. 2. WATRS Plus Transition Plan NOTAM published.
10 April 2008	Navigation database and charting data published in U.S. FAA National Flight Data Digest. ATS providers with WATRS Plus route segments in their airspace to publish appropriate State documents for new routes.
5 May 2008	By 5 May 2008, operators capable of meeting the RNP 10 <u>minimum</u> requirement or <u>operator-option</u> RNP 4 should have: 1. Obtained authorization from the appropriate State authority and... 2. Started annotating their ICAO flight plans in accordance with the U.S. FAA WATRS Plus Operational Policy and Procedures Notice.
5 June 2008	Date for implementation of WATRS Plus route structure redesign, 50 NM lateral separation and associated operational policies.

3. Status of Significant Implementation Tasks. Table 2 provides the status of significant tasks required for WATRS Plus Project implementation.

Table 2

<u>SUBJECT</u>	<u>STATUS</u>	<u>DISCUSSION</u>
WATRS Plus Webpage	Posted	Webpage being maintained to provide current information to States, organizations and operators. See paragraph 4 below for address.
Regional Supplementary Procedures (Doc 7030) Amendment.	Complete	Endorsed by NAT and CAR regional groups in June-July 2007 meetings. Final comments provided by 11 April 08.
Safety Assessment	Complete	Available for review during Doc 7030 amendment comment period.
NAT/CAR ATS Routes WG	Work completed	Final meeting held 13-15 November 07.
U.S. Dept of Navy controlled Special Use Airspace around Puerto Rico	Disestablished	U.S. Department of the Navy disestablished Special Use Airspace around Puerto Rico determined to be no longer needed, allowing WATRS Plus routes in the area to be designed to maximize aircraft operating efficiency.
Route Structure Redesign	Complete	Final route structure redesign plan agreed by NAT/CAR ATS WG participants. New route information/data published in U.S. National Flight Data Digest for U.S., Dominican Republic and Haiti on 10 April 2008.
CAR/SAM Air Navigation Plan revision	In progress	U.S. FAA has forwarded draft revision to NACC Office for distribution for State and organization comment.
Transition Plan	Complete	U.S. FAA has published and distributed a Transition Plan NOTAM containing plan for transition to new WATRS Plus routes and 50 NM lateral separation on 5 June.
Air Traffic Control tasks	Complete	1. ATC automation systems updated with new separation standard and route system. 2. ATC policy documents updated. 3. Controller training projected complete.
RNP 10 and RNP 4 Authorization Job Aids	Complete	Job Aids with ICAO Performance Based Navigation (PBN) Manual references posted on WATRS Plus Webpage.
ICAO NACC Office WATRS Plus letter to States and organizations	Distributed Oct 2007	Letter provides project overview, advocates that U.S. FAA WATRS Plus Webpage be consulted for current information; advocates operator and State use of the RNP 10 and RNP 4 Authorization Job Aids.
WATRS Plus Operational Policy & Procedures Document	Complete	U.S. FAA Notice published in September 2007 and updated on 13 March 2008. Reviewed at NAT/CAR ATS WG/3 in November 2007. Posted on U.S. FAA WATRS Plus Webpage.
Simulations	Complete	Fast-time simulations completed to assess route and flight level usage on the new route structure. Dynamic Simulation used for controller training.
Cost Benefit and Emissions Analysis	Scenario 1 complete Scenario 2 in progress	Scenario 1 assumed all flights authorized RNP 10 or 4. Projected 15 year fuel savings of U.S.\$741 million and annual CO2 fuel emissions reduction of 161,800 metric tons. Scenario 2 to examine effect of 10% of flights conducted by non-RNP 10 aircraft.

<u>SUBJECT</u>	<u>STATUS</u>	<u>DISCUSSION</u>
Operator readiness assessment	Complete	Operator readiness survey completed on 30 April.
Post-implementation Monitoring Plan	Planned	FAA Oceanic Separation Reduction Work Group to direct post-implementation reviews 30 days and 90 days after implementation and then at quarterly intervals for the first year.

4. WATRS Plus Webpage

4.1 The WATRS Plus Webpage provides current project information. It can be accessed from the U.S. FAA Oceanic and Offshore Operations Homepage. The address is:

http://www.faa.gov/about/office_org/headquarters_offices/ato/service_units/enroute/oceanic/

5. Conclusion

5.1 The WATRS Plus implementation plan is on track for the 5 June 2008 implementation. The U.S. FAA, ATS providers and operator organizations will complete the tasks required for implementation.