



*International Civil Aviation Organization*

**Middle East Air Navigation Planning and  
Implementation Regional Group**

**Sixteenth Meeting (MIDANPIRG/16)  
(Kuwait, 13 – 16 February 2017)**

**Agenda Item 5.2.2: Specific Air Navigation issues**

**UAE AIRSPACE RESTRUCTURING PROJECT PHASE 3  
INTEGRATION AND IMPLEMENTATION**

*(Presented by UNITED ARAB EMIRATES)*

**SUMMARY**

The need to accommodate the forecasted increasing demand of civil air traffic for next decades is becoming a strategic goal for the aviation industry and air navigation service providers worldwide.

This Working Paper provides an update of the UAE's current Airspace Restructuring Project Phase 3 – Integration and Implementation and its proactive approach across all its key stakeholders to enhance airspace and accommodate the forecasted traffic demand.

Action by the meeting is at paragraph 3.

**1. INTRODUCTION**

1.1 The need to accommodate the forecasted increasing demand of civil air traffic for next decades is becoming a strategic goal for the aviation industry and air navigation service providers worldwide.

1.2 The UAE Air Traffic Management Strategic Plan 2015 – 2030 is intended to support the evolution to a future Air Traffic Management (ATM) system in the United Arab Emirates that is performance-based, addresses ATM community expectations, is cost-efficient and globally harmonized.

1.3 In order to achieve a long-term viable and effective solution able to meet GCAA and UAE stakeholders' objective of having an efficient airspace able to accommodate next future air traffic growth, the UAE Airspace Restructuring Project, ARP, was launched in March 2014. It is focused on the following pillars:

- Phase 1: Terminal Airspace” and “Phase 2: En-route Airspace” addressing airspace conceptual design work and already completed.

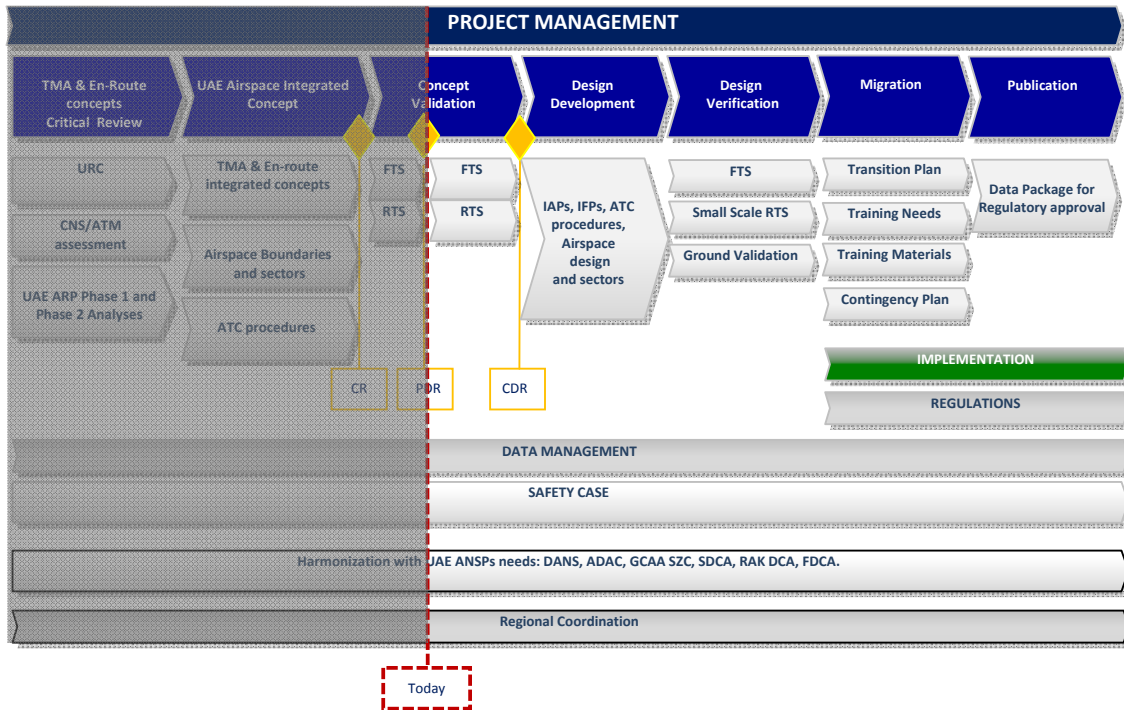
- **Phase 3 of UAE ARP** formed by:
  - TASK 1: Integration and implementation of airspace concept design for 2016-2020 timeframe.
  - TASK 2: Development of an integrated master plan for 2016, 2020, 2022-2025 and 2035 timeframes.

2. DISCUSSION

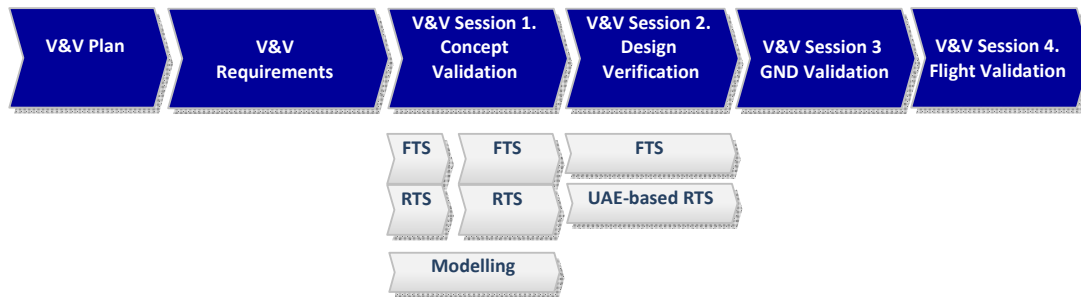
Development of the UAE ARP Phase 3 Implementation

2.1 Completed Activities

- Phase 3 Project Kick off (July 2016)
- User Requirement Capture Workshop (31 July -2 Aug)
- Safety Workshops (6-7 Sept) and (12-16 Dec)
- Integrated Concept Review Progress Meeting (20-21 Sept)
- Consultant/ANSP Airspace Expert workshops (3-6 October)
- Concept Review Meeting (10-13 Oct)
- Regional Coordination Meetings - Round 1 (20-23 Nov)
- FTS Model Review (29 Nov)
- RTS Session #1 (5-16 Dec)
- Preliminary Design Review (9-12 Jan 2017)



## 2.2 Phase 3 Concept Validation and Verification Progress



- FTS Model  
Metrics – Capacity and Efficiency
- RTS Session #1 Completed Dec  
Metrics - Safety and Human Performance.
- RTS Session #2 Scheduled Feb-Mar  
Several Options resulting from FTS and RTS #1 will be evaluated
- RTS Session #3 Scheduled May-Jun, UAE ANSPs  
Final evaluation and refinement of Concept

## 2.3 Project Schedule Activities

- RTS Session #2 (Feb-Mar)
- Final Design Review (June)
- Final Safety Case (July)
- Regional Coordination Meetings (*see Note*)
- UAE ANSP Training
- Implementation Date - 7 Dec 2017

*Note: Continuation of the Phase 3 Regional Coordination Meetings will take place with two further scheduled meeting periods in the months of May & July 2017.*

## 3. ACTION BY THE MEETING

### 3.1 The meeting is invited to:

- a) note the information contained in this paper;
- b) consider the valuable initiative of the U.A.E. GCAA to support forecasted traffic growth for the UAE and the Region; and
- c) Request the UAE adjacent FIRs (Bahrain, Iran, Oman, Qatar and Saudi Arabia) to provide necessary support to the UAE Airspace Restructuring Project Phase 3.