



ICAO MID REGION

STATE OF QATAR

AIR TRAFFIC FLOW MANAGEMENT

ROADMAP & IMPLEMENTATION PLAN



ATFM implementation - a requirement due to predicted increase in traffic in the Region generally, but crucial for the extraordinary demand during the FWC 2022™ competition.

ATFM requires a common understanding and robust co-ordination with relevant stakeholders.

ATFM is performed as a CDM process with stakeholder collaboration to improve the overall performance of the Regional ATM network.

Use of ICAO Doc 9971 'Manual of Collaborative ATFM' as guidance.

ICAO MID Region ATFM Task Force is committed to implement a Regional Cross-border multi-nodal model for ATFM.

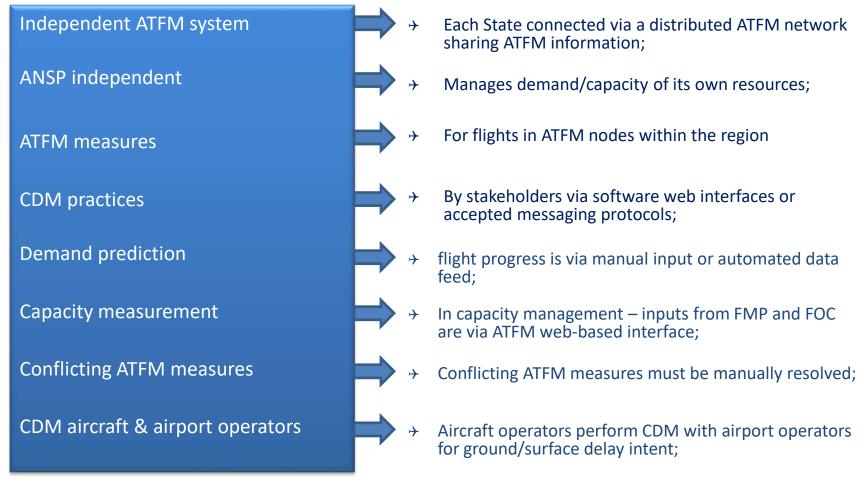
State of Qatar to use ICAO MID DOC 014 MID Region ATFM Implementation Plan as framework for implementation.





16/11/2021

Regional Cross-border multi-nodal model for ATFM





ATFM systems and communications infrastructure **Adequate resources** Development of procedures Formal letters of agreement with neighbouring ANSPs Is a key factor of success **Training** Operational training to be established Is crucial for success **Stakeholder Agreement** Education and awareness programmes to be established Formal international, regional and national agreements (LoAs) in accordance with ICAO Annex 11 and published according to **External agreements ICAO Annex 15** Adopt the principles of a project management programme **Operational implementation** Detailed testing and validation prior to operational service.



16/11/2021

A roadmap is generally a high-level, graphical overview of the plan with the deliverables presented on a timeline. During this timeline each of the proposed items will progress through several stages which are listed below:

- → Documentation & publications
- Capacity & capacity management
- → Airspace structures
- → Flexible use of airspace (FUA)
- → ATFM system
- → Inter-State and Inter-regional co-ordination / CDM



Roadmap Requirements

