

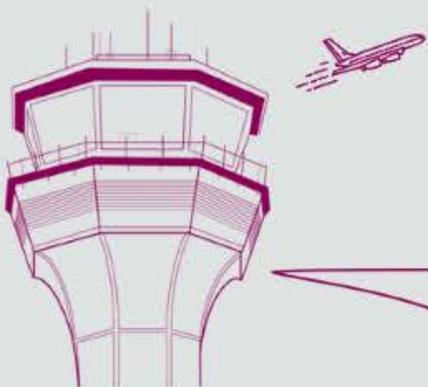


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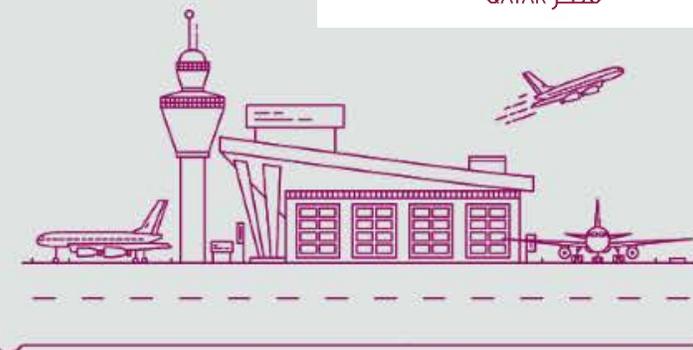
قطر QATAR



ATM SG/7

The MIDANPIRG Air Traffic Management Sub-Group, Seventh Meeting

Virtual Meeting 15 – 18 November 2021



State of Qatar

Update

Presented by: Kevin Cooper

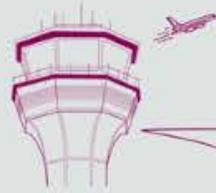
State/ANSP/ORG: Qatar



Agenda Item 3:

Updates from MID States on ATM/SAR Implementations

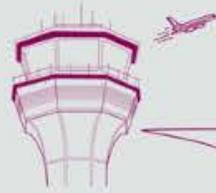
- Latest developments related to ATM/SAR in your State/ANSP/ORG;
- Identified needs and priorities;
- Challenges and difficulties;
- Lessons learnt, and capacity building activities; and
- Ongoing and Planned projects.



Latest developments related to ATM/SAR

- Capacity Enhancements

- ⇒ High-Intensity Runway Operations (HIRO) – introduced and used in peak hours
- ⇒ Reduced Runway Separation Minima (RRSM) – waiting Regulatory approval
- ⇒ Independent Parallel Runway Operations – undergoing validation trials
- ⇒ Re-categorisation of aircraft wake types (RECAT)
- ⇒ Departure Manager (DMAN) – currently being procured
- ⇒ Air Traffic Flow Management (ATFM) system – recently procured and under development



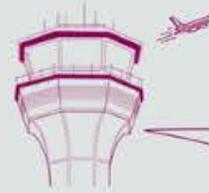
Latest developments related to ATM/SAR

- **Airspace**

- ⇒ Revisions to Airspace – under validation activities (both FTS and RTS)
- ⇒ Capacity declarations to be determined
- ⇒ Additional support from adjacent ANSPs – yet to be determined

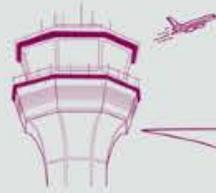
- **Flexible use of Airspace (FUA)**

- ⇒ High-level Airspace Body – established
- ⇒ Air Management Cell (AMC) – under development
- ⇒ FUA procedures – under discussion between civil & military authorities



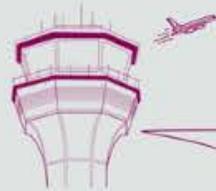
Latest developments related to ATM/SAR

- Communication, Navigation, Surveillance (CNS)
 - ⇒ New communication system up to 250NM coverage – increased capacity
 - ⇒ CPDLC and OLDI/AIC system - upgraded
 - ⇒ Increased Surveillance capability
 - ↪ Radars (2 S-Band – 200NM, 1 L-Band – 250NM , and 2 ADS-B – 200NM & 250NM) System
 - ↪ Additional MLAT units
 - ↪ Upgrading SMRs to e-SMRs
 - ⇒ ATM Automation System – upgrade with additional ATC support tools
 - ↪ Hold Stack Manager, Distance-based Separation Tool (DBS), Arrival Manager (AMAN)



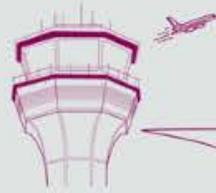
Identified needs and priorities

- Focus on FIFA World Cup 2022™
 - ⇒ Additional Airport terminal capacity – under development
 - ⇒ Increased apron/parking areas – under development
 - ⇒ State transport infrastructure (roads, metro, sea)
 - ⇒ Competition facilities (stadiums – 90% complete)
 - ⇒ Impact study (capacity) on aviation facilities (terminal, airspace) – ongoing
 - ⇒ Impact on neighbouring States – study ongoing
 - ⇒ Security (land, air) - ongoing



Challenges and difficulties

- Multi-stakeholder requirements
- Time
- Resources

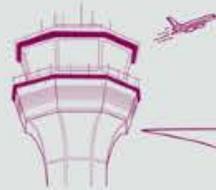


Ongoing and Planned projects

- Contingency
 - ⇒ TMA/Approach Contingency – under development
 - ⇒ HIA Aerodrome Contingency – Remote Digital Tower solution – under development
 - ⇒ Airspace Contingency – further discussion required



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THANK YOU

