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Air Navigation Department



Civil Aviation Authority

Air Navigation

ANS Improvements to Achieve MID Air Navigation Strategy Objectives



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Introduction



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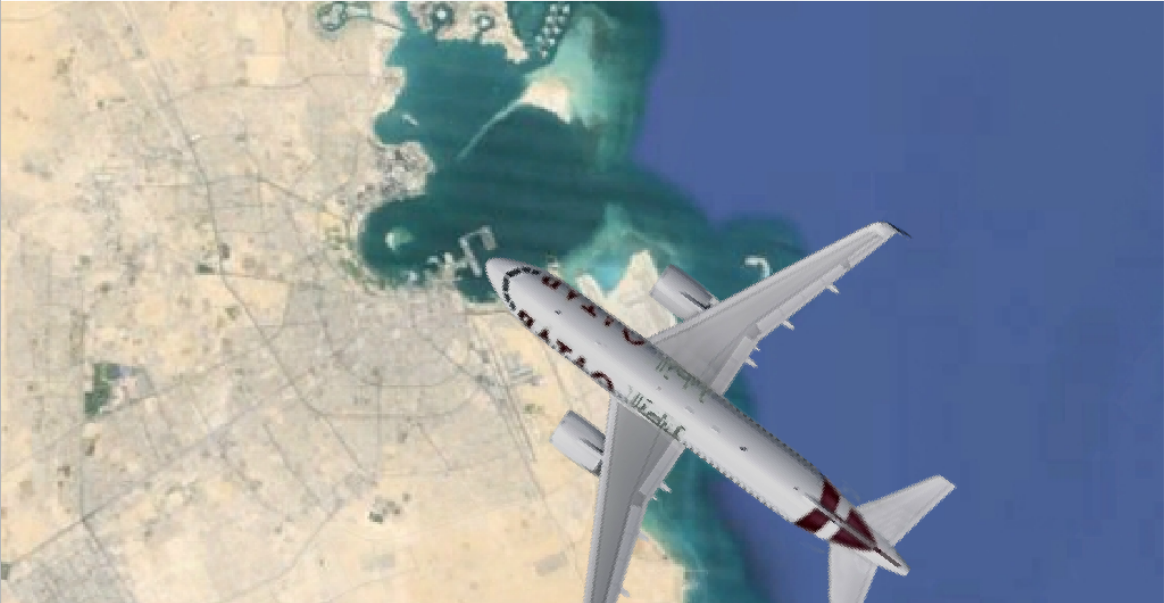


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Introduction



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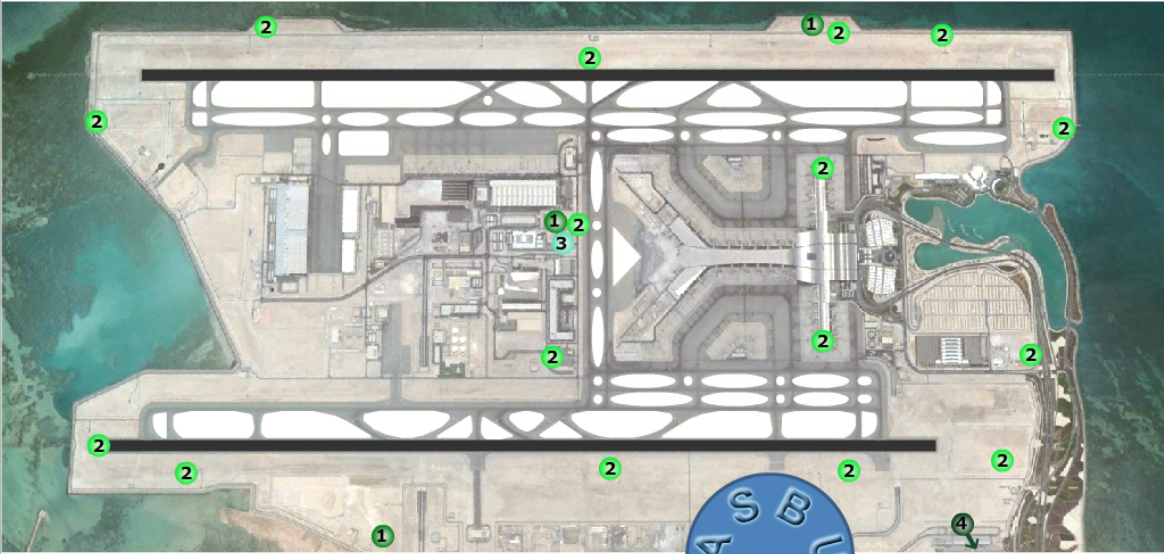


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ICAO - OACI - HMAO
الهيئة العامة للطيران المدني

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Communication Navigation Surveillance



COM:
Tx, Rx, VDF

NAV:
ILS Cat III
(A,B,C) DVOR-DME

SUR:
SMR1, SMR2, SMR3
MLAT ADS-B **ASR**

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A-SMGCS



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ICAO - OACI - HAO
الهيئة العامة للغرفة الجوية

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Air Navigation Services - Air Traffic Control Tower



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Air Navigation Services - Apron Cabs





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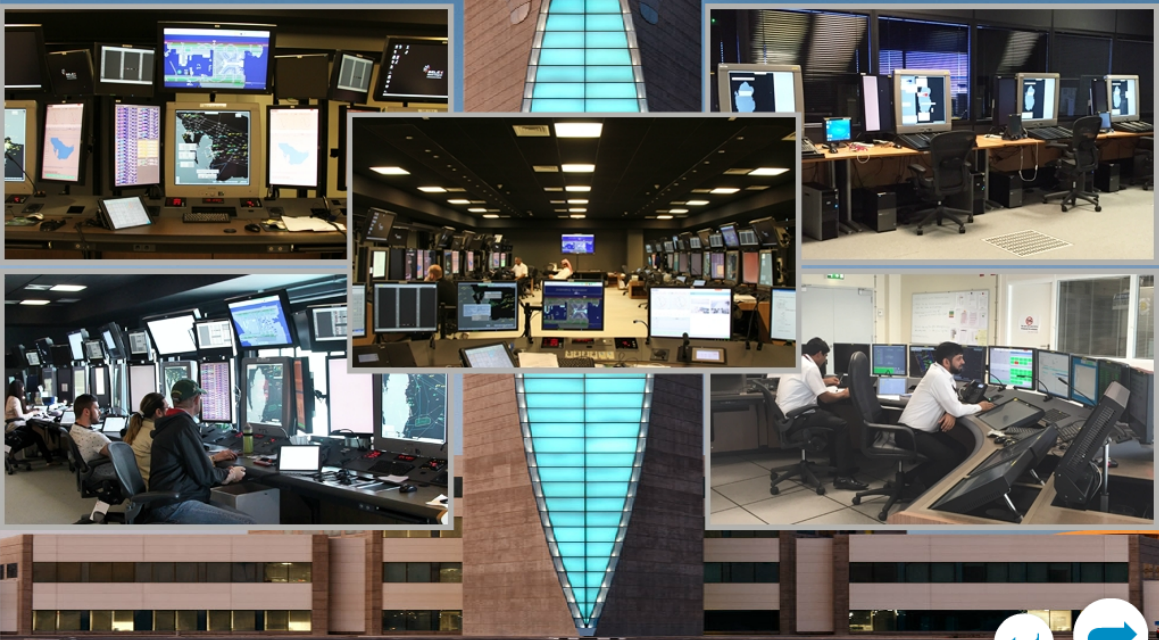


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Air Navigation Services - Approach And Supervision rooms



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Air Navigation Services - 3D Simulator



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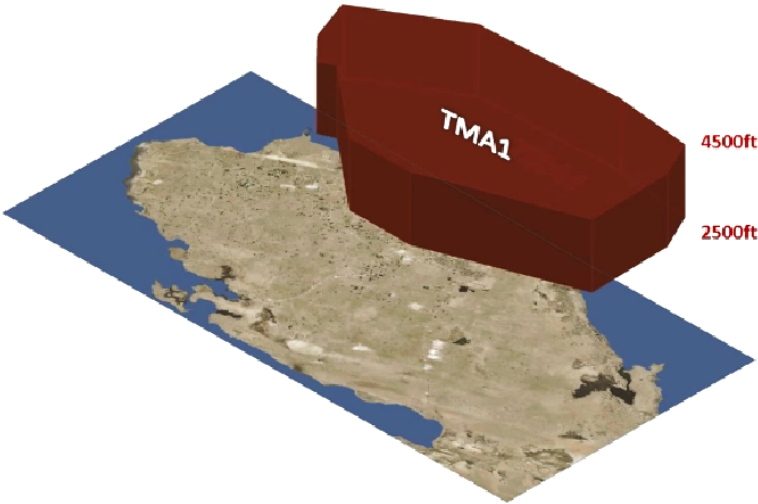


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The Airspace & Organisation



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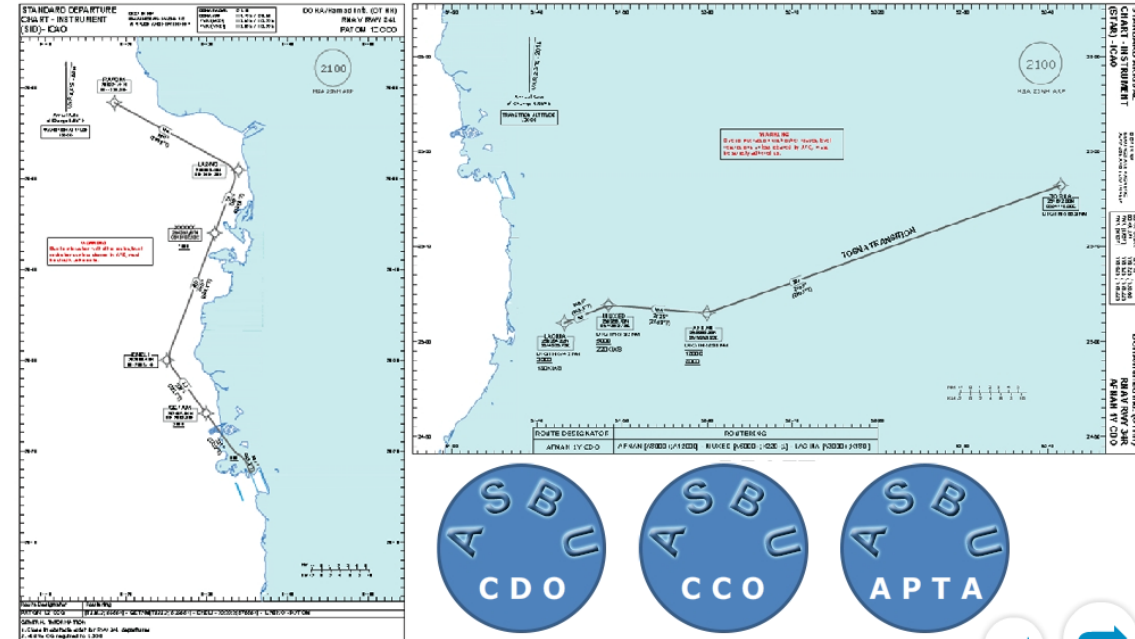


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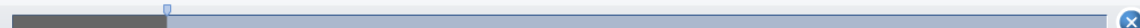
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Instrument Flight Procedures



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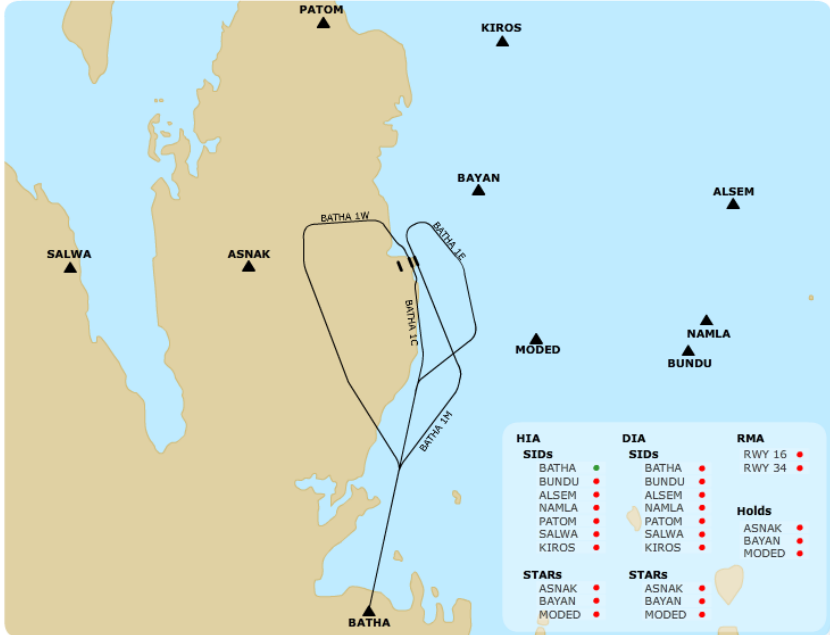


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Instrument Flight Procedures



HIA	DIA	RMA
SIDS	SIDS	SIDS
BATHA	BATHA	RWY 16
BUNDU	BUNDU	RWY 34
ALSEM	ALSEM	
NAMLA	NAMLA	Holds
PATOM	PATOM	ASNAK
SALWA	SALWA	BAYAN
KIROS	KIROS	MODDED
STARS	STARS	
ASNAK	ASNAK	
BAYAN	BAYAN	
MODDED	MODDED	

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QCAA/QR Trials - Departures

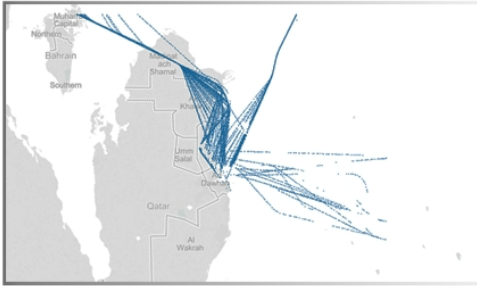


Departures 28 February 2015

BEFORE

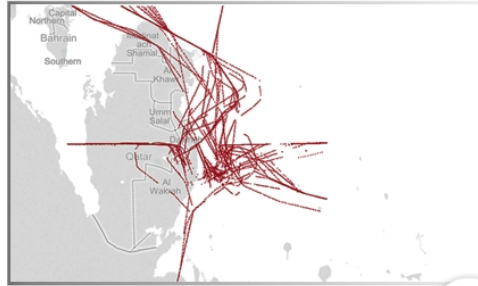


Arrivals 28 February 2015



Departures 05 March 2015

AFTER



Arrivals 05 March 2015

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Automation System



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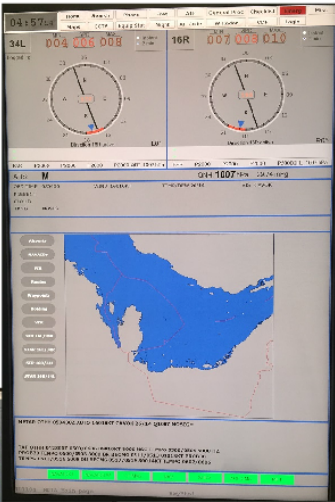


AMAN / DMAN and Supervision Systems

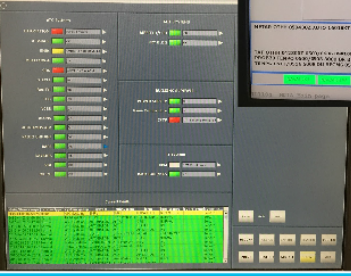
AMAN DMAN



The AMAN DMAN system displays a list of flight data, including flight numbers, times, and statuses. A circular diagram labeled RSEQ is overlaid on the data.



The radar display shows aircraft positions and a map of the Persian Gulf region. It includes various flight data and a circular diagram labeled RSEQ.



The system interface displays various data fields and a progress bar. It includes a circular diagram labeled RSEQ.

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Aeronautical Information Management

QATAR



CIVIL AVIATION AUTHORITY

AERONAUTICAL
INFORMATION
MANAGEMENT

STATE OF QATAR

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Welcome to
Qatar Aeronautical Information Management
Official Website

The Aeronautical Information Management of the State of Qatar are provided by Aeronautical Information Service, which forms part of Air Navigation Department of Qatar Civil Aviation Authority. AIM ensures the flow of information necessary for the safety, regularity and efficiency of international and national air navigation within the area of its responsibility. AIM consists of the departments of Publications, International NOTAM Office (INOF) and briefing.



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QCAA improvements vs MID ANP/ASBU Priorities (1)

B0 Code	Description	Priority	QCAA
FRT0	Enhanced En-route Trajectories (e.g. FUA)	1	
ACAS	ACAS Improvement (TCAS v7.1)	1	
CDO	Flexibility & Efficiency of Descent Profiles	1	
TBO	Safety & Efficiency thru CPDLC	1	
CCO	Flexibility & Efficiency of Departure Profiles	1	
APTA	Approach Procedures with Vertical Guidance	1	
SURF	Safety & Efficiency of Surface Operations	1	
ACDM	Improved Airport Operations thru A-CDM	1	
FICE	Interoperability Efficiency & Capacity (AIDC)	1	
DATM	Improvement thru Digital AIM	1	

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QCAA improvements vs MID ANP/ASBU Priorities (2)

BO Code	Description	Priority	QCAA
AMET	MET Information for operational Eff. & Safety	1	
FRT0	Enhanced En-route Trajectories (e.g. FUA)	1	
NOPS	Improve Flow Performance (e.g. ATFM)	2	
ASUR	Ground Surveillance (e.g. ADS-B, MLAT)	2	
ASEP	Air Traffic Situational Awareness (ATSA)	2	
OPFL	Optimum FL thru climb/descent procedures	2	
SNET	Effectiveness of Ground Base Safety Nets	2	
WAKE	RWY Throughput through Optimized WT Sep.	2	
RSEQ	Improve Traffic Flow thru Traffic Sequencing	2	

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Thank You

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