

Preview

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Air Navigation Department



Civil Aviation Authority

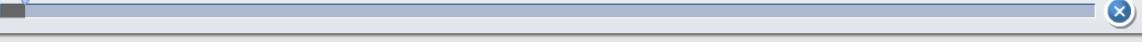
Air Navigation

ANS Improvements to Achieve MID Air Navigation Strategy Objectives



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Progress



Civil Aviation Authority

Air Navigation Department

ICAO - OACI - FAO

DOHA

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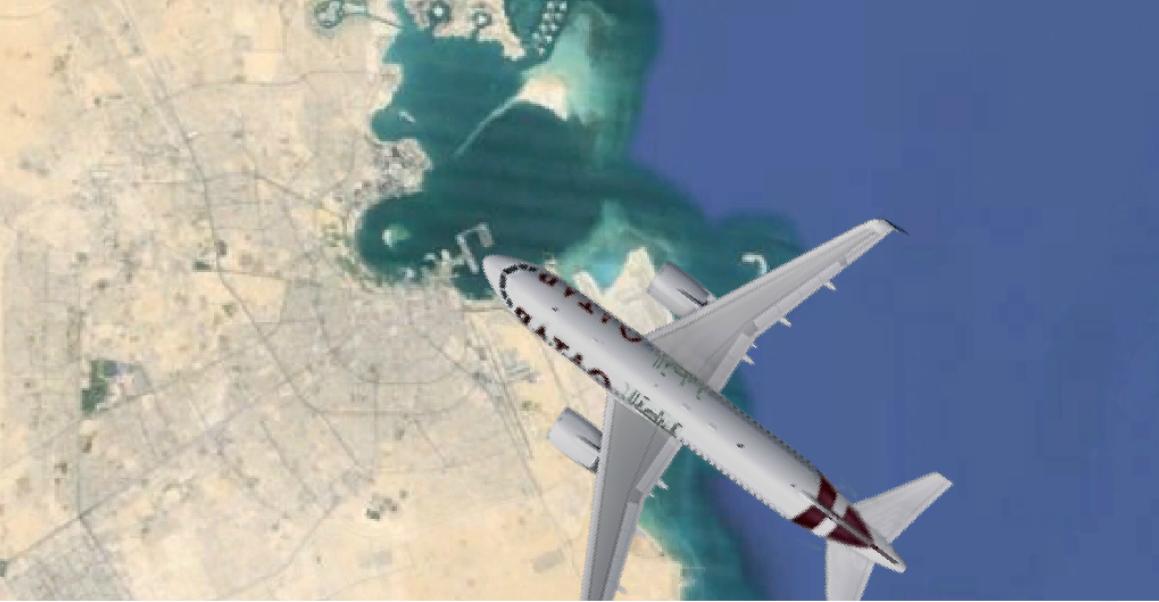
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Introduction



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ICAO - OACI - ICAO

International Civil Aviation Organization

Navigation

Preview

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Communication Navigation Surveillance

ASUR

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

Air Navigation Department

ICAO - OACI - ICAO

The interface displays a detailed airport map with various runways, taxiways, and terminal buildings. Numerous aircraft are shown with their call signs and current positions. For example, QTR632 is at B77W 16U, E7; QTR1070 is at A333 16L E13; QTR1303FM is at A320 16L G4L; QTR103 is at A320 16L G3C; and QTR159 is at B788 16R C8. The map also includes labels for 'SAFE4' and 'D1-D11'. A large blue circular logo in the bottom right corner contains the letters 'ASBU SURF'. At the bottom, a progress bar indicates the slide number.

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ASBU SURF

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Air Navigation Services - Air Traffic Control Tower

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ICO-OACI-FAO

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Air Navigation Services - Apron Cabs



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ICO-OACI-FAO

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Air Navigation Services - Approach And Supervision rooms

The collage consists of six images: top-left shows a control room with multiple screens; top-center shows a large room with many monitors; top-right shows a row of desks with computer monitors; bottom-left shows people working at desks; bottom-center shows a modern building facade with a large glass-enclosed entrance; bottom-right shows two people working at a desk. A progress bar and navigation arrows are at the bottom.

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◀ ▶ X



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ICAO - OACI - ICAO

The Airspace & Organisation

TMA1

4500ft

2500ft

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Navigation icons: back, forward, search, etc.

Preview

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ICAO - OACI - ICAO

Instrument Flight Procedures

The map displays several SID routes originating from various airports:

- HIA SIDs:** BATHA, BUNDU, ALSEM, NAMLA, PATOM, SALWA, KIROS.
- DIA SIDs:** BATHA, BUNDU, ALSEM, NAMLA, PATOM, SALWA, KIROS.
- STARS:** ASNAK, BAYAN, MODED.
- STARS:** ASNAK, BAYAN, MODED.
- RMA:** RWY 16, RWY 34.

Hold points: ASNAK, BAYAN, MODED.

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Progress

Navigation icons: back, forward, search, and close.

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QCAA/QR Trials - Departures

Departures 28 February 2015

Arrivals 28 February 2015

Departures 05 March 2015

Arrivals 05 March 2015

ICAO - OACI - ICAO

BEFORE

AFTER

Click on the buttons on the right to navigate the presentation

Progress

◀ ▶ X

The slide displays four maps of the Middle East region, specifically focusing on the Gulf Cooperation Council countries (Bahrain, Kuwait, Oman, Qatar, Saudi Arabia, and the United Arab Emirates). The maps illustrate flight patterns for departures and arrivals on two different dates: 28 February 2015 (labeled 'BEFORE') and 05 March 2015 (labeled 'AFTER').

- Departures 28 February 2015:** Shows numerous blue lines radiating from various airports across the region.
- Arrivals 28 February 2015:** Shows numerous red lines converging on major airports like Doha, Abu Dhabi, and Jeddah.
- Departures 05 March 2015:** Shows a significant reduction in the number of blue lines, indicating improved route efficiency.
- Arrivals 05 March 2015:** Shows a significant reduction in the number of red lines, indicating improved route efficiency.

The 'AFTER' maps show more direct and organized flight paths, suggesting the implementation of the QCAA/QR trials has led to more efficient air traffic management. The presentation also includes a navigation bar with arrows and a progress bar at the bottom.

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Automation System

Map showing flight routes and aircraft positions across Southeast Asia and the South China Sea. Key locations include Hanoi, Phnom Penh, Bangkok, Kuala Lumpur, and Jakarta. Numerous flight tracks are shown with callouts indicating flight numbers and destinations.

Three circular icons are overlaid on the map:

- ASB
- SNET
- FICE
- TBO

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AMAN / DMAN and Supervision Systems

ASBU RSEQ

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Aeronautical Information Management

QATAR

AERONAUTICAL INFORMATION MANAGEMENT
STATE OF QATAR

CIVIL AVIATION AUTHORITY

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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 internal and national air navigation within the area of its responsibility. AIM consists of the departments of Publications, International NOTAM Office (NOP) and Briefing.

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QATAR CIVIL AVIATION AUTHORITY

ICAO - OACI - ICAO

DATM

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Air Navigation Department

ICAO - OACI - ICAO

QCAA improvements vs MID ANP/ASBU Priorities (1)

BO Code	Description	Priority	QCAA
FRTO	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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Navigation buttons: back, forward, search, close.

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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	Orange
FRT0	Enhanced En-route Trajectories (e.g. FUA)	1	Orange
NOPS	Improve Flow Performance (e.g. ATFM)	2	Orange
ASUR	Ground Surveillance (e.g. ADS-B, MLAT)	2	Green
ASEP	Air Traffic Situational Awareness (ATSA)	2	Orange
OPFL	Optimum FL thru climb/descent procedures	2	Orange
SNET	Effectiveness of Ground Base Safety Nets	2	Green
WAKE	RWY Throughput through Optimized WT Sep.	2	Orange
RSEQ	Improve Traffic Flow thru Traffic Sequencing	2	Green

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Thank You

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