



Malaysia State Report

State Summary & Presentation · COSCAP-SEA 23rd SCM

Digital Tower — New Initiative 2026



IMPLEMENTATION STATUS: LIVE — 2 Airports in the pipeline · National rollout programme by Q4 2026

What is a Digital Tower?

A Remote / Digital Air Traffic Control Tower uses high-definition cameras, sensors, and advanced software to provide ATC services remotely. Controllers monitor all airport movements through digital screens rather than from a traditional tower cab.

Benefits

Cost efficiency · Enhanced situational awareness via multi-camera HD views · Improved safety data capture from tower operations.

Malaysia's Implementation

CAAM has started Digital Tower project at 2 airports in 2026. This reflects Malaysia's commitment to modernising Air Navigation Services infrastructure and improving ATC capacity without the cost and time requirements of physical tower construction.

Way Forward

Full national rollout programme by Q4 2026, with additional airports to follow post-evaluation.



Malaysia Host Country for 61st Conference of the Directors General of Civil Aviation (DGCA61) of the Asia and Pacific Regions

Theme :

Smart Skies: Emerging Technologies for Safe, Secure, Sustainable and Efficient Aviation

Date :

7 – 11 September

Venue :

Mandarin Oriental Kuala Lumpur



National Aviation Safety Plan (NASP 2026–2028) — Malaysia



GASP · AP-RASP Aligned · NASP Publication Target: End Q2 2026

STATUS: NASP Malaysia targets publication by end of Q2 2026. Aligned with ICAO GASP (Doc 10004) and AP-RASP 2026–2028. Incorporates updated N-HRC risk framework.

PLANNING HIERARCHY

ICAO GASP (Doc 10004)

Global vision & targets



AP-RASP 2026–2028

APAC regional priorities · Delhi Declaration 2024



NASP 2026–2028 (Malaysia)

National priorities — 3 focus components

Safety Risk Management

01

Aligned with GASP G-HRC & AP-RASP R-HRC

Updated N-HRC: Runway Safety, LOC-I, MAC, Turbulence, GNSS/RFI, Li-Ion Fire, Cybersecurity, SCF-NP, Ground Safety.

Safety Oversight & Assurance

02

Aligned with GASP SP-2 & AP-RASP ORG Roadmap

Risk-based oversight implementation · Inspector competency development · USOAP CMA preparation.

Safety Promotion & Data

03

Aligned with GASP SP-4 & AP-RASP Safety Data

CAREs v2 reporting system · Safety Promotion.

COSCAP-SEA — Collaboration Areas (Phase VI)



Malaysia's Position on Three Priority Areas

AREA	COLLABORATION TOPIC	MALAYSIA'S POSITION
AIR Airworthiness	Inspector capacity building · Ageing aircraft oversight	eVTOL / AAM type certification framework · Joint COSCAP-SEA AIR inspector training
PEL Personnel Licensing	Mutual recognition of licences · ATCO competency	ATO harmonisation · Common examiner standards across ASEAN member states
SSP State Safety Programme	SSP maturity benchmarking	Peer review mechanism among COSCAP-SEA states · Shared SSP assessment tools
AAM / LAE Advanced Air Mobility	UTM standards · eVTOL frameworks	No APAC regional consensus yet — COSCAP-SEA Phase VI working group critical for Malaysia

Priority Needs — What Malaysia Seeks from COSCAP-SEA



Five Priority Areas for COSCAP-SEA Phase VI Support

01

USOAP CMA / SSPIA Preparation

Mock audits · CAP review · Inspector mentoring

02

Inspector Competency Development

Joint COSCAP-SEA training for OPS, AIR, AGA and ANS inspectors · Addressing systemic

03

Long-Term Technical Assistance

Coordinated with ICAO CDI · Sustained support for regulatory framework development, inspector capacity building, and SMS verification.

04

AAM / LAE Regulatory Capacity Building

Dedicated working group or technical workshop on UTM standards, eVTOL certification frameworks, cross-border LAE airspace coordination.

Way Forward



Key Challenges and Malaysia's Response Plans

Inspector Capacity (CE-4)

Systemic shortage of qualified technical personnel post-COVID.

WAY FORWARD:

Active recruitment underway · Structured training pathways aligned to ICAO TRAINAIR PLUS.

AIG & AGA Oversight

Malaysia's lowest EI areas

WAY FORWARD:

Targeted improvement via SSP preparation, mock audits, enhanced aerodrome surveillance programme.

NASP & SSP Publication

NASP 2026–2028 targeted Q2 2026 · SSP document targeted Q3 2026.

WAY FORWARD:

Both aligned with GASP, AP-RASP, and updated N-HRC framework from MASP 2026–2028.

Emerging Risks — AAM / LAE & Cybersecurity

eVTOL certification, UTM-AAM integration and aviation cybersecurity are new regulatory frontiers.

WAY FORWARD:

No established regional consensus. Regional coordination via COSCAP-SEA Phase VI critical.

Financial Sustainability Post-Merger

MAVCOM merger (Aug 2025): CAAM taking over back economic functions.

WAY FORWARD:

Corporate Plan 2027–2031 aligns financial self-sustainability with safety investment priorities.



Thank You