canso
civil air navigation services organisation

ASBU Implementation

TRANSFORMING
GLOBAL ATM PERFORMANCE

ASBU Workshop – Marrakech, 10-13 Dec. 2018

About CANSO

- The global voice of air traffic management (ATM) worldwide.
- CANSO Members support over 85% of world air traffic.
- Members share information and develop new policies, with the ultimate aim of improving air navigation services.
- CANSO seeks to lead the transformation of global ATM performance.
- Types of members:
  - Full members (ANSPs – CAAs).
  - Associate members (Airlines – Airports – Consultancy firms – Manufacturers)

Members of CANSO in ME

- Existing full members in the Middle east:
  - Saudi Air Navigation Services (SANS) KSA
  - National Air Navigation Services Company (NANSC) Egypt
  - Sudan Civil Aviation Authority Sudan
  - Public Authority for Civil Aviation (PACA) Oman
- Existing associate members in the Middle east:
  - SAUDIA,
  - NATS,
  - Airways Comp.
  - HELIOS,
  - SERCO,

Working groups – Operations

- Operations Standing Committee (OSC)
- Environment Workgroup (ENV WG)
- OPS - Aeronautical Information Management Workgroup (AIM WG)
- OPS - Air Traffic Flow Management Workgroup (ATFM WG)
- OPS - Controller Pilot Data Link Force (CPDLC TF)
- OPS - Operational Performance Workgroup (OP WG)
- OPS - RPAS and Emerging Technologies Workgroup (RPAS/ET WG)
- OPS - Smart and Digital Tower Task Force (SDT TF)
- Performance-based Navigation Workgroup (PBN WG)
- Satellite Surveillance and Tracking Task Force (SST)
- UTM (Drone) Task Force.

Working groups – Strategy & Integration

- Strategy and Integration Standing Committee (SISC)
- SISC Steering Committee
- Acquisition Excellence (AEWG)
- Business Excellence (BEWG)
- Global Benchmarking (GBWG)
- Human Resources (HR WG)
- Performance-Based Regulation on Remote Tower Task Force (PBR on RT TF) ARCHIVE
- S & I - ATM Security (ASWG) ARCHIVE
- S & I - Strategy Task Force - ARCHIVE.

CANSO Papers

Committee-B:

- WP-169: Considerations about Cybersecurity in Aviation.
- WP-170: Collaborations of UAS traffic management (UTM) & Air Traffic management (ATM).
- WP-171: Cyber Resilience in the SWIM concept.
- WP-172: **Global interoperability**.
- WP-173: Coordination of flight through controlled airspace for space & near space operations.
- WP-174: **Digitization of Aerodrome & Air Traffic services**.
- WP-175: **Investment in Air Traffic Management (ATM)**.

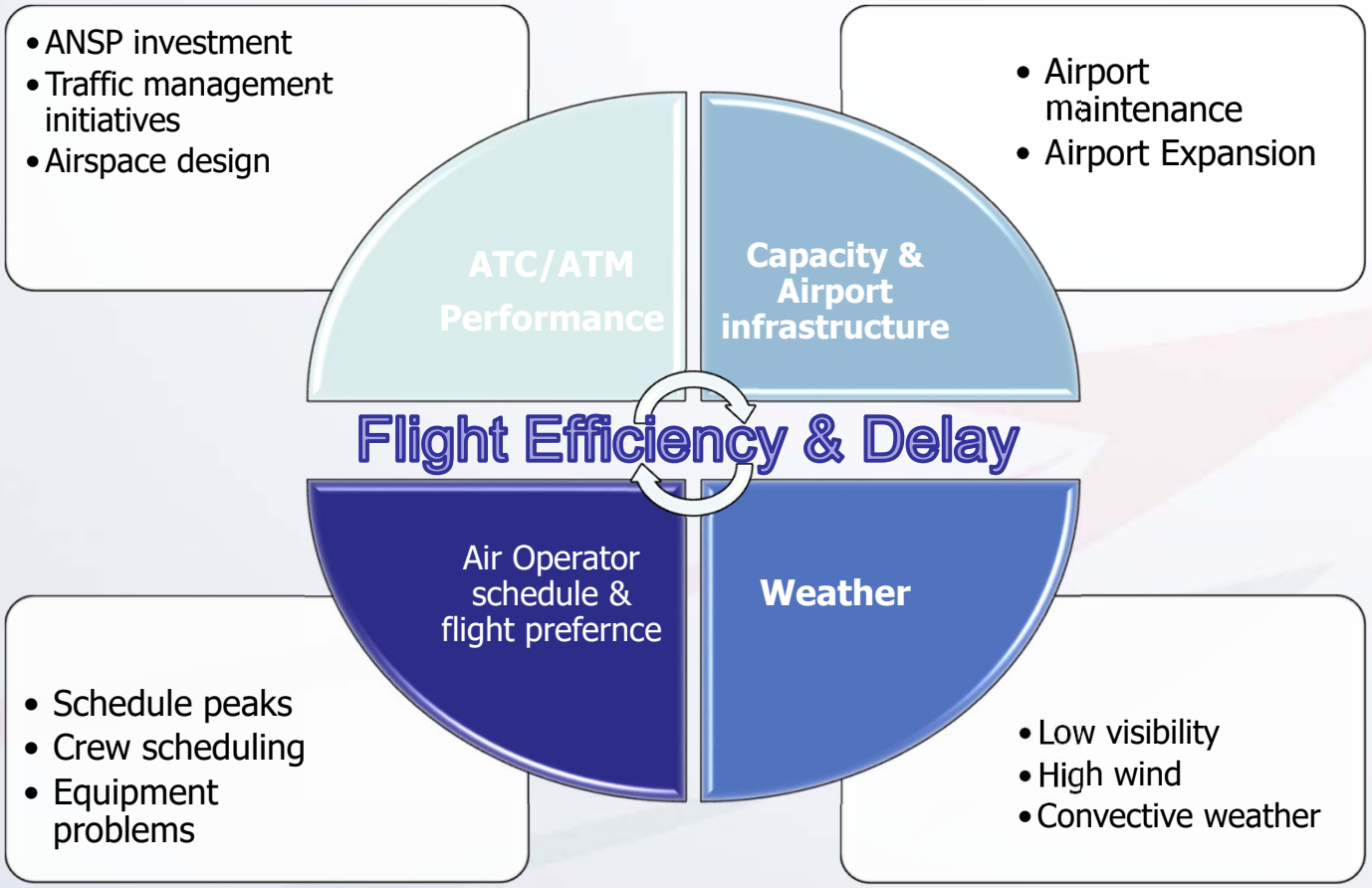
CANSO Papers

- WP-176: **Progressing global ATS surveillance benefits through Space-based ADS-B**.
- WP-177: Proposal on issuance of a secondary surveillance radar special purpose code as an RPAS lost link code.

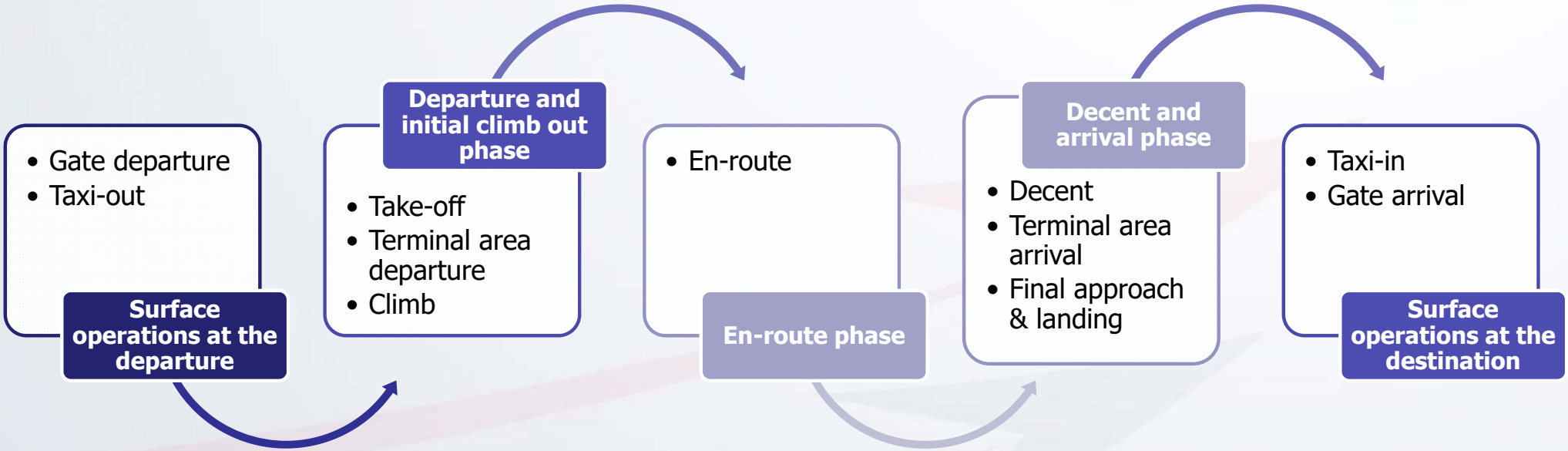
Committee-B:

- WP-63: ICAO Runway safety Program – Global Runway Safety Action Plan.
- WP-178: Safety Management System for space operations.
- WP-213: Aviation Safety Implementation Assistance Partnership (ASIAP).

Understanding ATM System Interdependencies



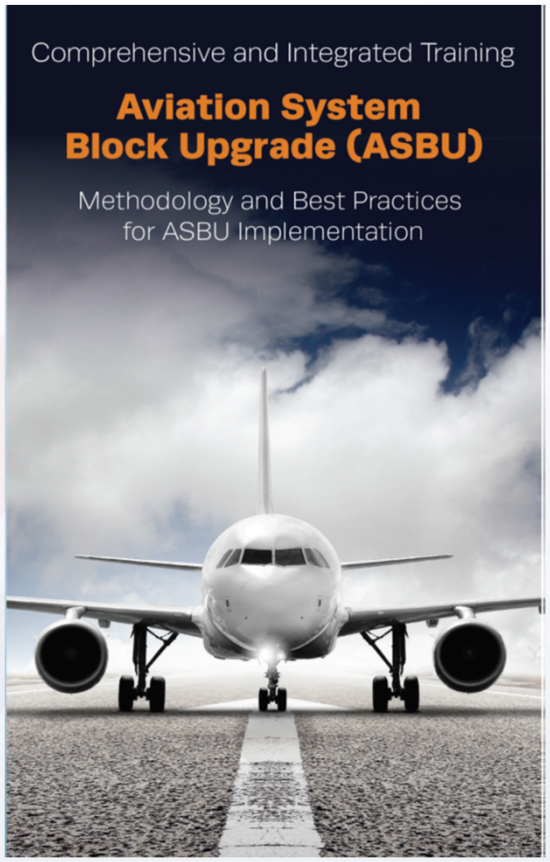
Operational Performance KPAs and KPIs: Flight Efficiency



ASBU implementation path

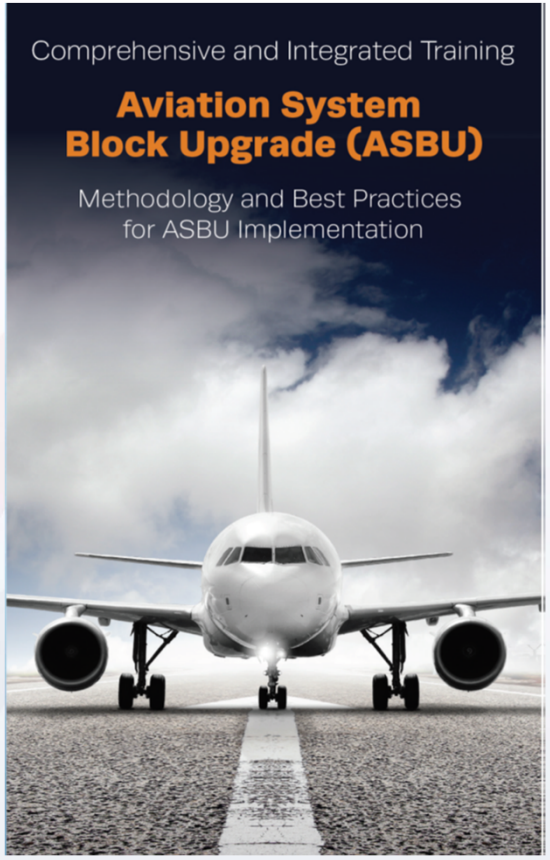
ASBU Implementation Training

- Comprehensive and Integrated Training course form CANSO.
- In association with MITRE Corporation, and hosted by Civil Aviation Authority of Singapore (CAAS).
- Targeted participants:
  - Decision-makers responsible for ATM modernization programs and ASBU capability implementation.
  - Civil aviation authorities and regulators.
  - Air navigation service providers.
  - Aircraft operators.
  - Airports.
  - ATM systems manufacturers and solution providers.



ASBU Implementation Training - Outlines

- Selecting, prioritizing and implementing the ASBU capabilities.
- Identifying technology gaps and interdependencies between an organization's current ATM capabilities and the ASBU Block 0 and 1 capabilities.
- Authoring effective business cases.
- Authoring effective cost benefit analyses (CBAs) and performance metrics to support ASBU implementation.
- Understanding regional and cross FIR boundary capability needs.
- Determining current and future air traffic demand.
- Identifying air traffic management (ATM) system deficiencies and how the ASBUs help to resolve them.
- Establishing decision points in an implementation schedule to monitor progress.



Thank You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Баярлалаа
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감사합니다
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