Enabling ICAO ASBU strategy

Upgrade your system hand in hand with the entire world creating the future global air navigation

Indra Avitech

Indra Avitech solutions for your ASBU implementation

The steps forward set by the ASBU methodology imply a transition to new technologies and new navigation and operational concepts. All these upgrades are data driven operations. Indra Avitech Solutions address exactly the most critical and important core of the strategy: diligent management of the data.

We supply top performing systems that allow you to securely store, manage and share information when and where it is required on a system- wide basis, with data being personalized, filtered and accessed as needed. Given such a strong basis, data can then be tailored to fulfil a more precise scope, from map generation and procedure design to other complex systems that allow enhanced situational awareness, systems interoperability and flexible use of airspace.

In alignment with ASBU Block 0 and 1, Indra Avitech has already developed and implemented solutions with the latest digital processing and information management in many parts of the world. Our solutions smooth the transition from AIS to AIM by using latest data exchange models such as AIXM for aeronautical information, WXXM for meteorological information and FIXM for flight- and flow information and utilizing Internet protocols in a fully compliant SWIM solution – all essential elements for global interoperability.

For our worldwide references please refer to www.indra-avitech.aero/our-expertise/our-references

We are fully conformant to ICAO ASBU Block 0, aligned with Block 1 and paving the way to Blocks 2 & 3

✓ **ASBU-Compliance**

(Block 0) (Block 1)

› 2013 › 2019 › 2024
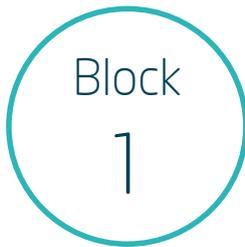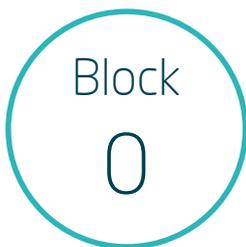
Going global together

ICAO's Aviation System Block Upgrades long-term vision brings together States and stakeholders from every corner of the aviation community to develop a global solution and to provide stateof-the-art 21th century air navigation. The common target is a fully-harmonized global system built on modern performance-based procedures and technologies, capable of sustaining increased capacity and improved environmental efficiency by binding safety improvements and air navigation modernization. ASBU methodology is designed to be flexible and adaptive to each State, so that each can advance its air navigation capacities based on its specific operational requirements.

We develop solutions aligned with ASBU strategy for every performance improvement areas to achieve the safe, efficient and modern aviation of tomorrow.

Block 0   2013 - 2018

Airport Operations		AIM	ATM	MET	MHS	SWIM
B0-APTA	Optimization of Approach Procedures including vertical guidance	■	■	□	□	□
B0-SURF	Safety and Efficiency of Surface Operations (A-SMGCS Level 1-2)	■	□	□	□	□
B0-ACDM	Improved Airport Operations through Airport-CDM	■	■	■	■	■

Globally Interoperable Systems and Data		AIM	ATM	MET	MHS	SWIM
B0-FICE	Increased Interoperability, Efficiency and Capacity through Ground-Ground-Integration	□	■	□	□	■
B0-DAIM	Service Improvement through Digital Aeronautical Information Management	■	□	□	□	■
B0-AMET	Meteorological information supporting enhanced operational efficiency and safety	□	■	■	□	■

Efficient Flight Paths		AIM	ATM	MET	MHS	SWIM
B0-CDO	Improved Flexibility and Efficiency in Descent Profiles (CDOs)	■	■	□	□	□
B0-CCO	Improved Flexibility and Efficiency in Departure Profiles - Continuous Climb Operations CCOs)	■	■	□	□	□

Block 1 2019 - 2024

Airport Operations		AIM	ATM	MET	MHS	SWIM
B1-APTA	Optimized Airport accesibility	■	■	□	□	□
B1-SURF	Enhanced Safety and Efficiency of Surface Operations - SURF, SURF IA and Enhanced Vision Systems (EVS)	■	□	□	□	□
B1-ACDM	Optimized Airport Operations through Airport-CDM	■	■	■	■	■
B1-RATS	Remotely Operated Aerodrome Control	□	■	□	□	□

Globally Interoperable Systems and Data		AIM	ATM	MET	MHS	SWIM
B1-FICE	Increased Interoperability, Efficiency and Capacity through FF-ICE, Step 1 application before Departure	□	■	□	□	■
B1-DAIM	Service Improvement through Integration of all Digital ATM Information	■	□	□	□	■
B1-SWIM	Performance Improvement through the application of System Wide Information Management (SWIM)	□	□	□	□	■
B1-AMET	Enhanced Operational Decisions through Integrated Meteorological Information (Planning and Near-Term Service)	□	□	■	□	■

Efficient Flight Paths		AIM	ATM	MET	MHS	SWIM
B1-CDO	Improved Flexibility and Efficiency in Descent Profiles (CDOs) using VNAV	■	■	□	□	□
B1-RPAS	Initial Integration of Remotely Piloted Aircraft (RPA) Systems into non-segregated airspace	■	■	■	□	■

Creating skies together

We guarantee the right Aeronautical Information at the right time

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