Methodology and Best Practices for ASBU Implementation

MITRE – a non-profit corporation—has been chartered by the Federal Aviation Administration to operate the Center for Advanced Aviation System Development (CAASD), a Federally Funded Research and Development Center. CAASD engages in advanced research and development of aviation technologies relevant to air traffic management and other aviation system development issues, including analytical tools and techniques, as well as undertaking specific studies to evaluate the application of particular technologies, and support the development of the civil aviation system in the United States and other countries.

CANSO – the Civil Air Navigation Services Organisation – is the global voice of air navigation service providers (ANSPs) worldwide. Its Members support over 85% of world air traffic, and share information and develop new policies, with the ultimate aim of improving air navigation services on the ground and in the air. CANSO represents its Members’ views in major regulatory and industry forums, including at ICAO, where it has official Observer status.

CANSO is collaborating with The MITRE Corporation to deliver the training course ‘Methodology and Best Practices for ASBU Implementation’ which provides a common understanding of ICAO’s Aviation System Block Upgrades (ASBU) methodology as well as advice on implementation for the global air transport community, regulators and States.

ASBU Course Fee Structure

CANSO Full and Associate Members

Prices: $2,300 for first attendee
$2,000 each additional attendee from same organisation

Non–CANSO Member

Prices: $2,700 for first attendee
$2,400 each additional attendee from same organisation

Discounted rates will be available for CANSO/Non–CANSO members who sponsor a training location.

Please contact us for additional details.

More Information and Registrations at http://mai.mitrecaasd.org

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The Global Air Navigation Plan (GANP), agreed by States at the 38th Assembly of the International Civil Aviation Organization (ICAO), introduced the Aviation System Block Upgrades (ASBU) strategic framework for future air navigation technology and procedure improvements. The ASBU framework is the result of comprehensive consultations with a wide range of aviation stakeholders, and it provides a harmonized and flexible approach for implementing operational improvements to the global aviation system.

### Performance Improvement Areas (PIAs)

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<tr>
<td>2018</td>
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<td>Airport Operations</td>
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### Methodology and Best Practices for ASBU Implementation

**DAY 1** – ASBU Overview and Value: Guidance for Selecting ASBU Capabilities

**DAY 2** – Identifying Your Operational Performance

**Day 3** – Operational View of Case Study Alternatives and Business View of Case Study Alternatives

**Day 4** – Business View of Case Study Alternatives (continued) and Case Study’s Economic Value

**Day 5** – Case Study’s Economic Value (continued) and Decision Making

In five, fast-paced days, participants will gain a solid understanding of the ASBU objectives and the implementation planning process, and learn how to assess the suitability of capabilities with respect to current/future needs, expected impacts on air traffic performance, and return on investment.

### Taught by the Leaders in Aviation Systems Development

This training program is tailored for aviation professionals and is based on the comprehensive knowledge and experience of leading aviation experts.

### ASBU Selection and Implementation

The ASBU Framework is built on a global perspective; however, not all ASBU capabilities will be uniformly implemented around the globe. A Needs and Dependency Analysis (NDA) will drive the process of selecting capabilities that satisfy operational requirements and provide related benefits to aviation service providers.

This NDA will provide the foundation of ASBU capability selection in support of the organisations goals, objectives and requirements while maintaining alignment with the overall objectives of the global Air Traffic Management (ATM) modernisation program.

### What You Will Learn

- How decision makers should select, prioritise, and implement ASBU capabilities
- Current ATM system deficiencies and how the ASBU framework helps resolve them
- How to identify technology gaps and interdependencies between your organisation’s current ATM capabilities and ASBU Block 0 and 1 capabilities
- How to develop an effective approach to Cost–Benefit Analysis and performance metrics to support ASBU implementation
- How to establish decision points in your implementation schedule to monitor progress

### Who Should Attend this Course

- Decision-makers responsible for ATM modernisation programmes and ASBU capability implementation
- Civil Aviation Authorities and Regulators
- Air Navigation Service Providers
- Aircraft Operators
- Airports
- ATM systems manufacturers and solution providers