

NAS Enterprise Architecture

Business & Technology Roadmaps
v7.0



BASELINE

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Business & Technology Roadmaps Overview

What are the Business & Technology Roadmaps?

- The Business & Technology (B&T) Roadmaps are a collection of multi-year strategic roadmaps that depict enterprise-level changes to NAS internal operations, business processes, and functions that will lead to improved efficiencies, cost savings, and other internal benefits. These NAS-focused improvements establish a life cycle approach that ensures the foundation of the NAS continues to modernize its technology and processes in support of future operational and technological improvements.
- The B&T Roadmaps are grouped by FAA Service and Capability and include Current Business or Technology Environments (CBTEs), Current Business or Technology (CBTs), B&T Improvements (BTIs), and Support Activities (SAs). CBTEs describe the current state baseline of FAA service delivery. BTIs are strategic or technological changes to the NAS intended to enhance FAA service delivery through the realization of internal benefits (e.g., cost effectiveness of ATM services) from an Air Navigation Service Provider (ANSP) perspective. Operationally available BTIs in the NAS transition to CBTs. Together, the CBTEs, CBTs, and BTIs show the evolution of the FAA Service. The CBT and BTI dates represent the operational availability (OA) of the respective change to Services.
- B&T Roadmaps also include relevant Support Activities (SAs) which inform the development or identification of new capabilities, policies, and procedures.

Guidelines for Understanding the Roadmaps

- The Business & Technology Improvement (BTI) bars represent the date range which an improvement is expected to be initially (e.g., at the first location) available to users. For BTIs that are expected to be made operationally available incrementally, the range represents the earliest date for the first initial operational change to the latest date for the final operational change.
- Each Business & Technology Roadmap diagram is segmented by Capabilities, which are depicted by alternating gray and white backgrounds as necessary.

Business & Technology Roadmaps Legend



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BTI Status Definitions

- BTI status is determined by the most mature capability solution, until the most mature solution achieves Initial Operational Availability (IOA) status.
- Once the most mature capability solution achieves IOA, the BTI will remain IOA until all capability solutions are complete, and then the BTI will transition to a Current Business & Technology (CBT).

| BTI Status | Definition |
|---|---|
| Planned | No funding – either internally or externally (e.g. NASA or other partner agency) – has been allocated. The BTI represents a potential future concept; initial development may have begun and this is used as a placeholder to assist in further refining of solution on interdependency relationships. |
| Concept Exploration & Maturation | Work is underway and funded to define the concept, develop acquisition artifacts, mitigate risks, and determine the options for the implementation strategy. Solutions under development to deliver this operational change are currently in either concept and requirement definition or investment analysis up until a final investment decision is achieved (or a comparable agreement on the scope/implementation). |
| Development | The most mature solutions to deliver the operational change are under development. There may be additional solutions needed to fully deliver this BTI which are less mature. |
| Initial Operational Availability | At least one of the capability solutions needed to deliver the operational change has been achieved or approved for use at an initial site. IOA occurs after demonstration of initial operational capability at the key test site(s). A BTI remains in IOA until all capability solutions have achieved operational use. |
| Current Business & Technology Environment (CBTE) | The current operational state of FAA service delivery to NAS users. |
| Current Business & Technology (CBT) | All capability solutions needed to fully deliver the BTI are complete. |

Service Group 8: Commercial Space Transportation

Commercial Space Transportation services ensure the protection of the public, property, and national security and foreign policy interests of the United States during commercial launch or reentry activities, and to encourage, facilitate, and promote U.S. commercial space transportation.

Service 804: Commercial Space Transportation Infrastructure

This Service is composed of capabilities and assets related to providing safe, environmentally appropriate and affordable commercial space system launch, landing and navigation facilities.

Commercial Space Transportation Infrastructure (1 of 1)

