

NAS Enterprise Architecture

Business & Technology Roadmaps v8.0

BASELINE

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Business & Technology Roadmaps Overview

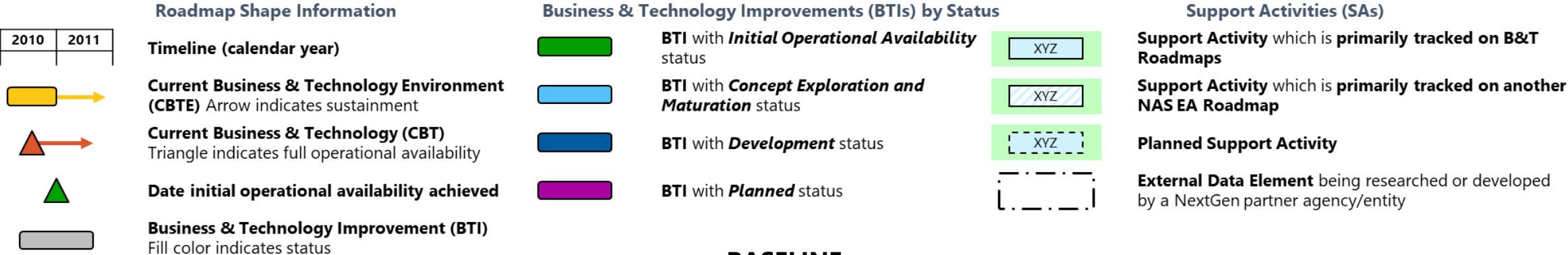
What are the Business & Technology Roadmaps?

- 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 benefits to the FAA. 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 the following elements that together show the evolution of the FAA Service:
 - **Current Business or Technology Environments (CBTEs)** describe the current state baseline of FAA service delivery
 - **B&T Improvements (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)
 - **Current Business or Technology (CBTs)** are completed BTIs that show the capability solutions that are available and demonstrate evolution of the FAA service
 - **Support Activities (SAs)** are initiatives that 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 for which an improvement is beginning implementation to when it 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 end date represents the first instance of the capability's operational availability. Expanded deployment of the capability beyond the first instance is captured on the Infrastructure Roadmaps.
- 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 ensures 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

Commercial Space Transportation Infrastructure 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)

