NAS Enterprise Architecture

Infrastructure Roadmaps v19.1

BASELINE

May 2025

Infrastructure Roadmap Overview

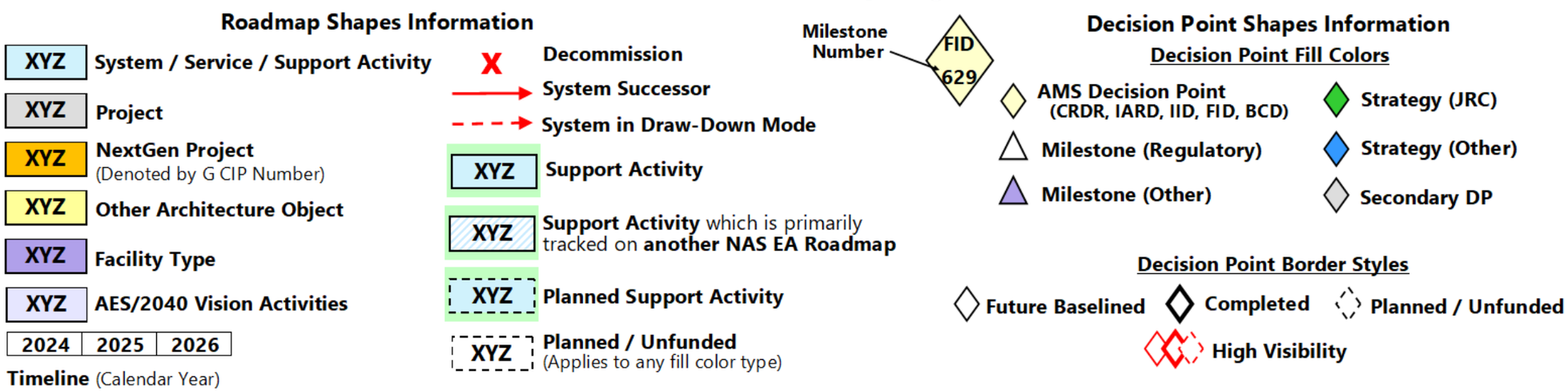
What are the Infrastructure Roadmaps?

- The FAA Infrastructure Roadmaps show the progression of system deployments, investments, and key decision points for major NAS acquisitions. They depict the acquisition strategy to evolve the NAS from the As-Is to the To-Be environment.
- The Infrastructure Roadmaps show all Capital Investment Plan (CIP) investment projects and systems identified in the NSIP that will deliver the necessary functionality to enable OIs and BTIs.

Guidelines for Understanding the Roadmaps

- The Infrastructure Roadmaps are organized by Domain (Automation, Communication, etc.) and depict projects, systems, services, decision points, and support activities.
- The timeline is in calendar years and shows a 17-year outlook.
- The roadmaps have swim lanes for Infrastructure (white), Support Activities (green), and Platform/Compute (purple).
- The DP diamonds represent the quarter in which a decision will occur.
- The Support Activity bars represent the dates that work is being performed on the activity.
- The Project bars represent the dates that CIP funding is allocated to a project.
- The System and Service bars represent the dates that a system or service is operational, with red lines indicating sustainment, drawdown, or convergence

Infrastructure Roadmap Legend



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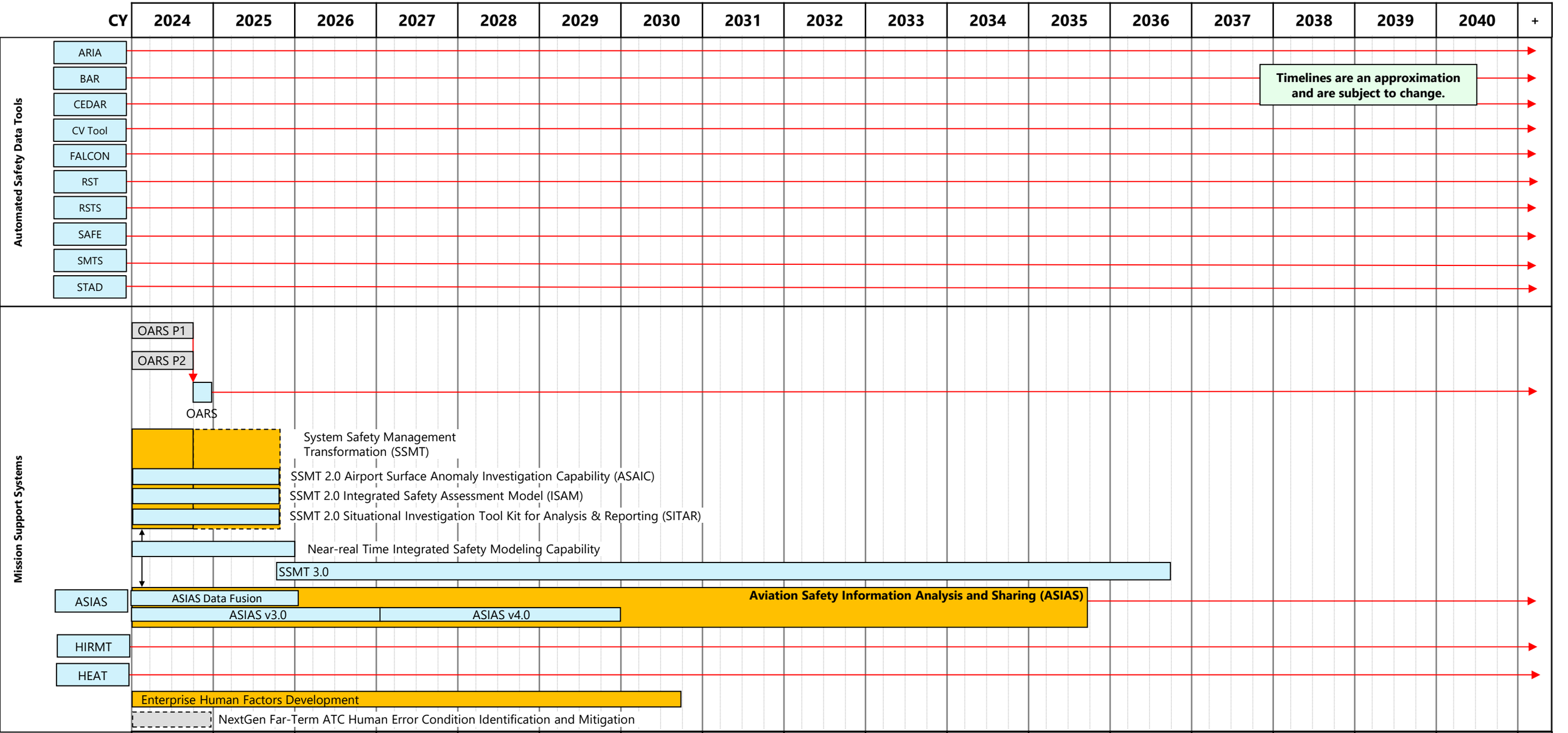
Safety

The Safety Roadmap reflects various aspects of the Safety Risk Management (SRM) process that support enterprise level, concept/capability level, and system level safety. It supports the execution of safety assessments on potential safety issues that span multiple FAA organizations, through cross-cutting stakeholder collaboration, and provides FAA decision-makers with pertinent information to make risk-based decisions. The Safety Roadmap integrates SRM elements with NAS operations and system acquisition milestones through the development of key safety assessments, procedures, guidance, policy and requirements that support the NextGen Enterprise System.

Safety Roadmap (1 of 2)



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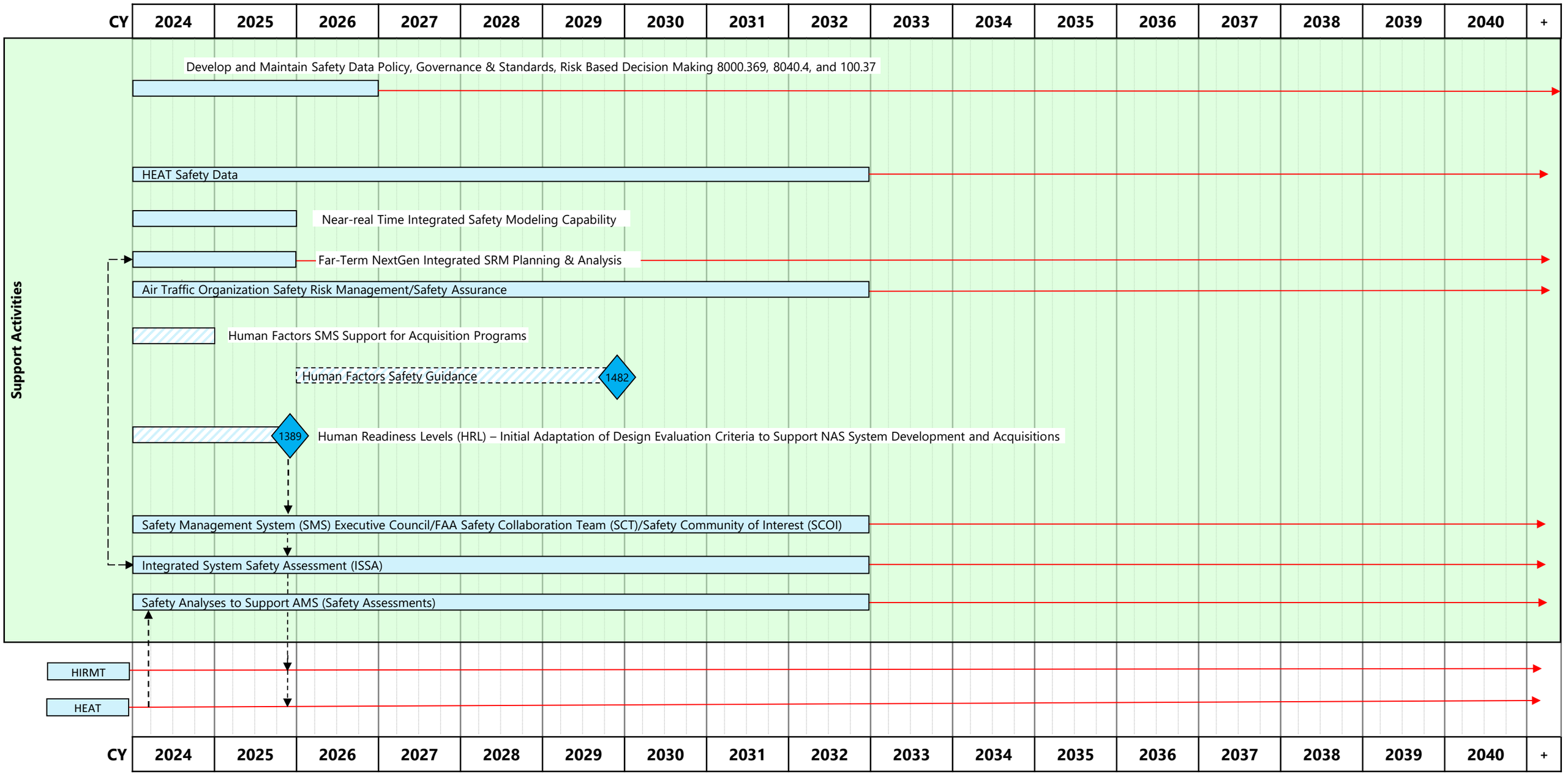
Safety Roadmap (2 of 2)



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Safety Roadmap: Assumptions

Identifier	Description
SAFE-01	ASIAS is part of the FAA Mission Support EA. It is depicted on the Safety Infrastructure Roadmap for coordination purposes since: a) It will require NAS data. b) It will provide safety data and tools for the NAS
SAFE-02	SMS Implementations for other LOBs are part of the FAA Mission Support EA. These activities are depicted on the Safety Infrastructure Roadmap for coordination purposes.

Safety Roadmap: Decision Points (1 of 1)

DP #	Target Date CY	Primary Domain	Type	Name
1389	2025 Q4	Human Systems Integration	Strategy (Other)	Decision to Adapt and Implement Human Readiness Levels in System Development and Acquisition Guidance
1482	2029 Q4	Human Systems Integration	Strategy (Other)	Other Strategy for Human Factors Safety Guidance