

NAS Enterprise Architecture

Infrastructure Roadmaps v18.0

Enterprise Services



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February 2024



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 15-year outlook.
- The roadmaps have swim lanes for Infrastructure (white) and Support Activities (green).
- 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

Roadmap Shapes Information

	Timeline (Calendar Year)		Decommission
	System / Service / Support Activity		System Successor
	Project		System in Draw-Down Mode
	NextGen Project (Denoted by G CIP Number)		Support Activity which is primarily tracked on this Infrastructure Roadmap
	Other Architecture Object		Support Activity which is primarily tracked on another NAS EA Roadmap
	Facility Type		Planned Support Activity
	Planned / Unfunded (Applies to any fill color type)		

Decision Point Shapes Information

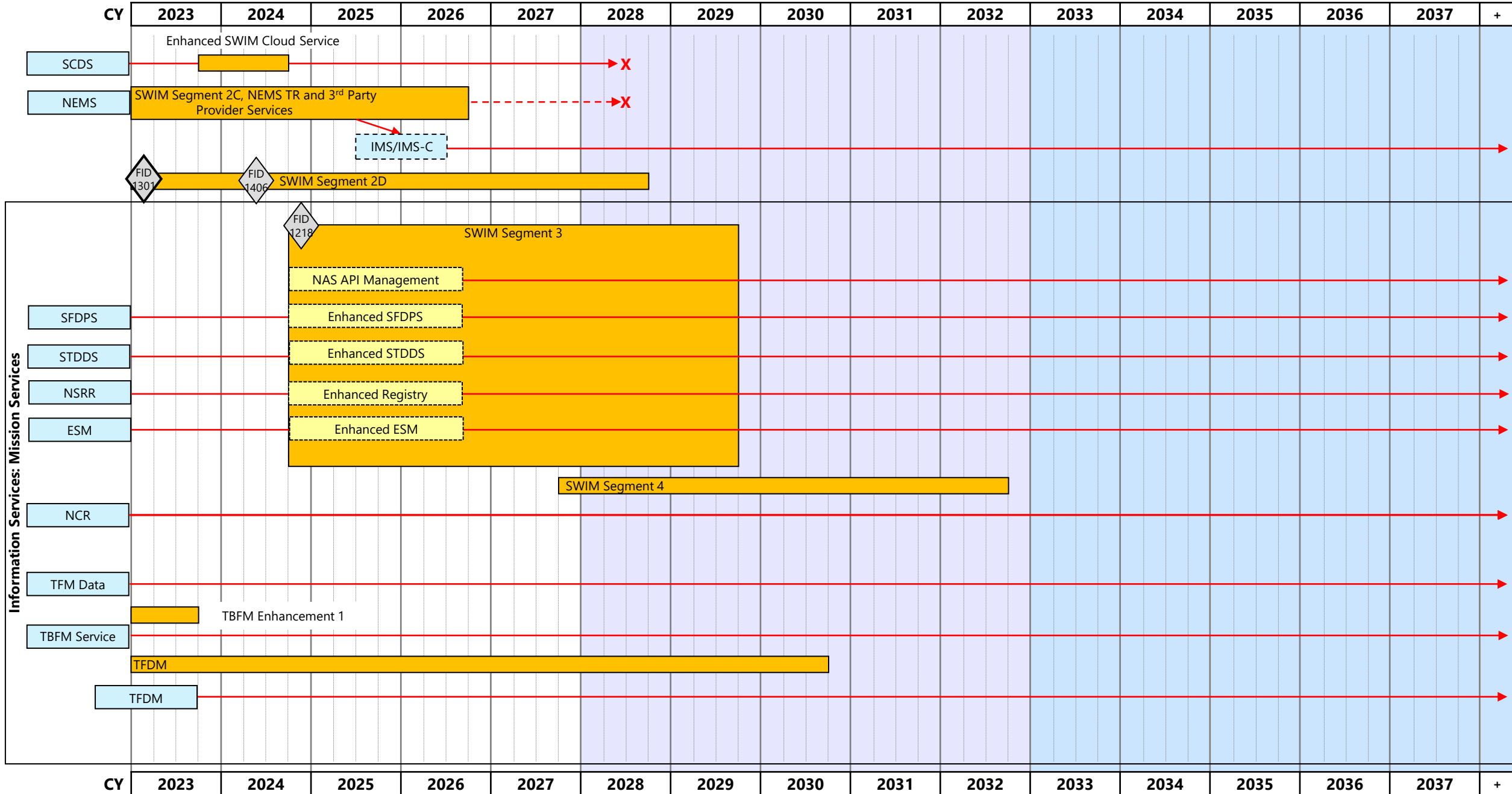
Decision Point Fill Colors	
	AMS Decision Point (CRDR, IARD, IID, FID, BCD)
	Strategy (JRC)
	Strategy (Other)
	Policy Milestone
	Owned by Another Roadmap
	Regulatory Milestone
	Milestone Number
Decision Point Border Styles/Colors	
	Future Baselined
	Completed
	Planned / Unfunded
	High Priority

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Enterprise Services

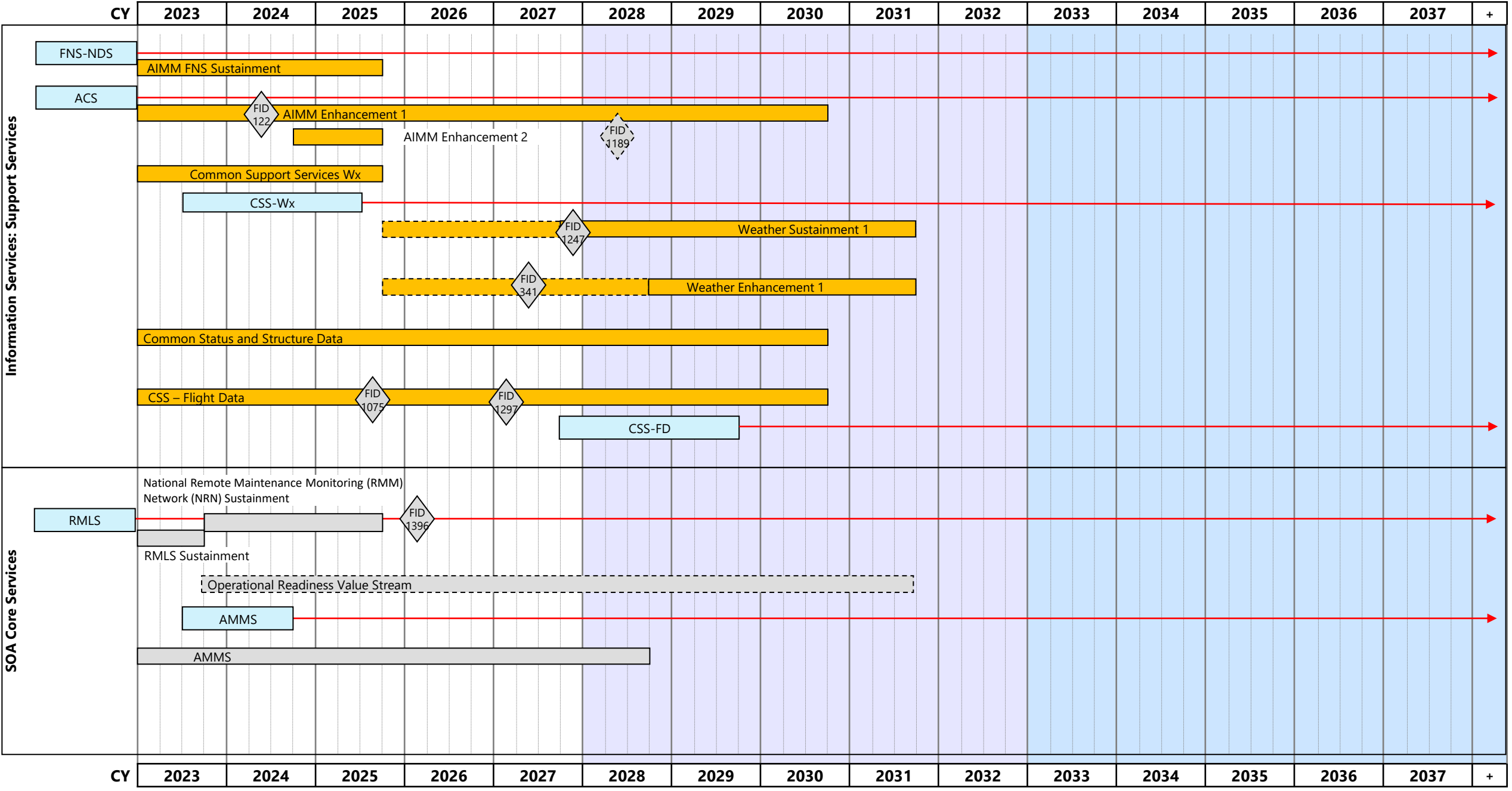
The Enterprise Services Roadmap presents an Executive View (EV) of the evolution of existing and planned enterprise services provided by NAS systems and programs and provides an outline of the major activities, decisions, and milestones. By definition, services are capabilities that exist as processes, applications, infrastructure, or any combination. They are implemented using design principles that support and promote enterprise-wide interoperability, sharing, standardization, federation, awareness, loose coupling, granularity, modularity, abstraction, reuse, and flexibility.

Enterprise Services Roadmap (1 of 3)



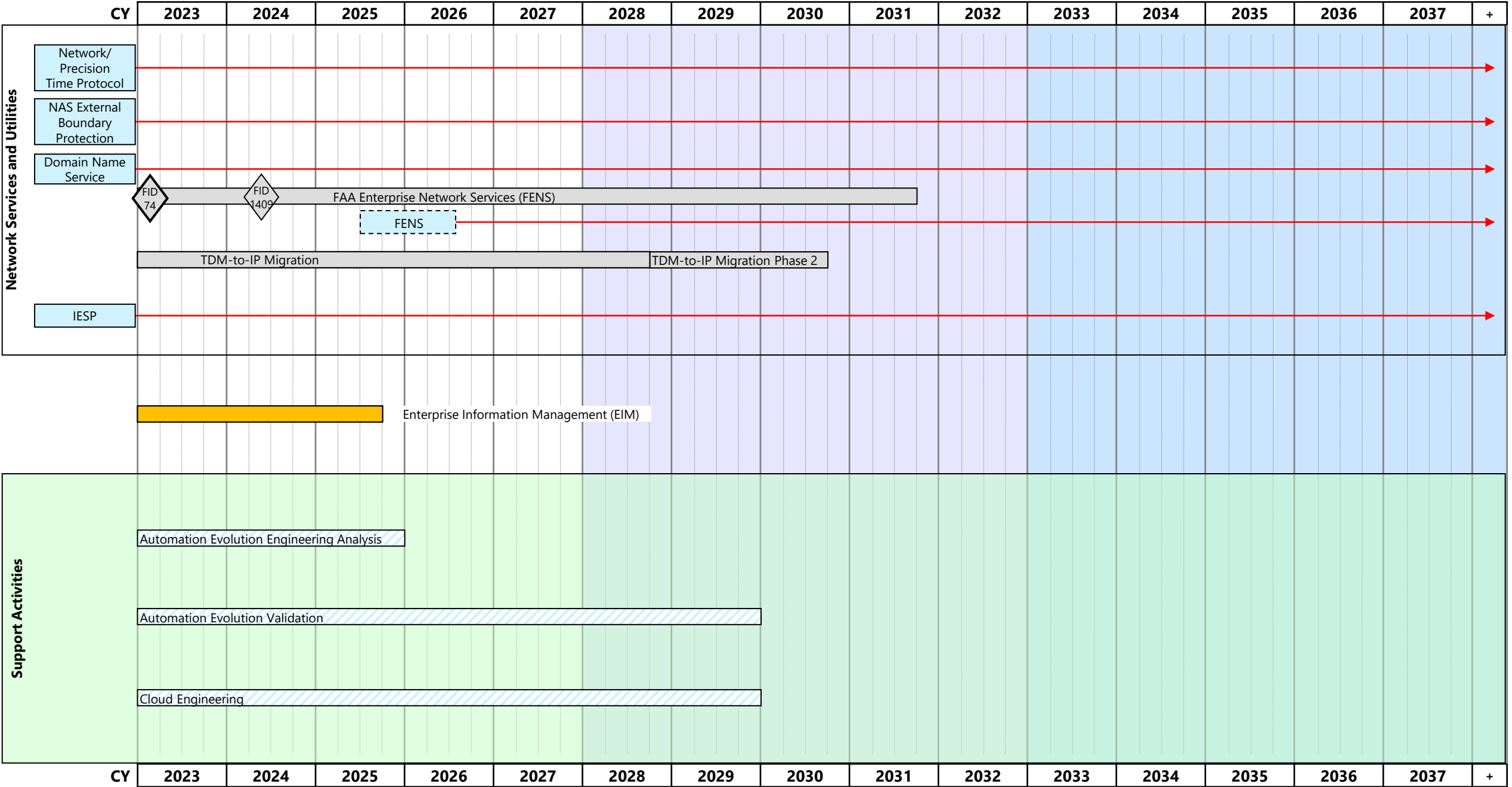
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Enterprise Services Roadmap (2 of 3)



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Enterprise Services Roadmap (3 of 3)



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Enterprise Services Roadmap: Decision Points (1 of 1)

DP #	Target Date CY	Primary Domain	Type	Name
122	2024 Q2	Automation	FID	Final Investment Decision (FID) for AIMM Enhancement 1
341	2027 Q2	Weather	FID	Final Investment Decision (FID) for Weather Enhancement 1
1075	2025 Q3	Automation	FID	Final Investment Decision (FID) for Common Support Services - Flight Data Phase 1
1189	2028 Q2	Automation	FID	Final Investment Decision (FID) for AIMM Enhancement 2
1218	2024 Q4	Communication	FID	Final Investment Decision (FID) for SWIM Segment 3
1247	2027 Q4	Weather	FID	Final Investment Decision (FID) from Weather Sustainment 1
1297	2027 Q1	Automation	FID	Final Investment Decision (FID) for Common Support Services - Flight Data Phase 2
1301	2023 Q1	Communication	FID	Final Investment Decision (FID) for SWIM 2D
1396	2026 Q1	Automation	FID	Final Investment Decision (FID) for National RMLS Network Sustainment
1406	2024 Q2	Communication	FID	Final Investment Decision for SWIM Segment 2D
1409	2024 Q2	Communication	FID	Final Investment Decision for FAA Enterprise Network Services (FENS)