

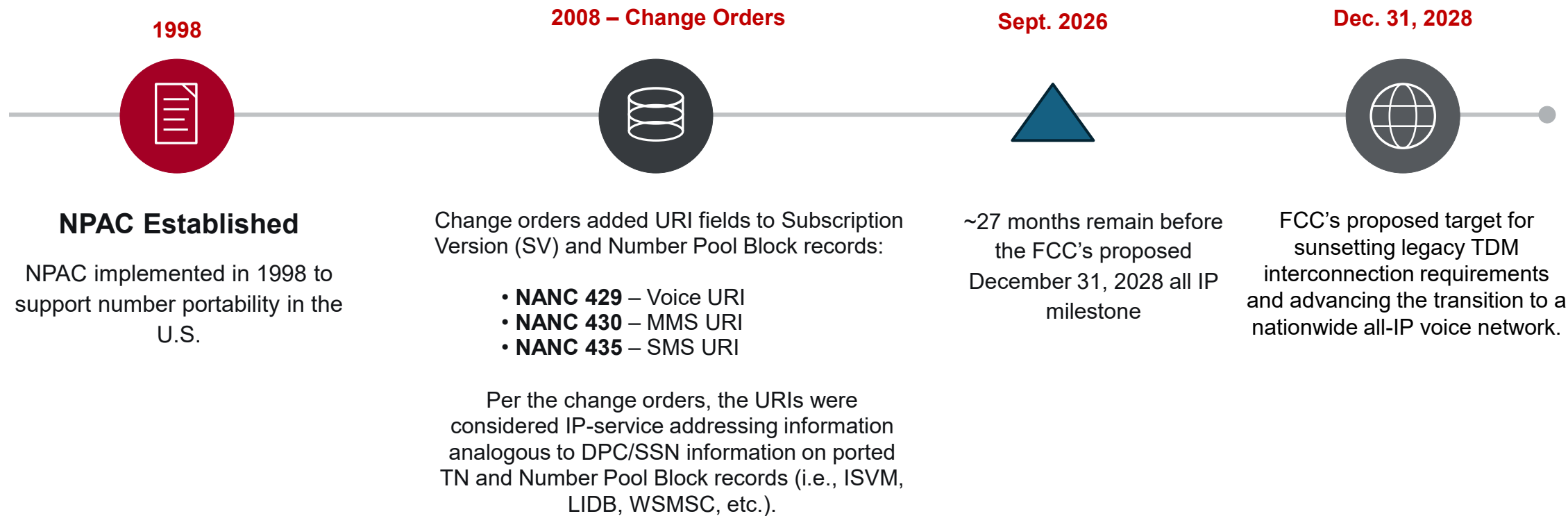
Using NPAC to Enable IP Call Routing

**Building on an existing foundation
Ready for the all-IP future**

SIPNOC Conference
Discussion Deck



History of NPAC & URI Fields



The latest NPAC Functional Requirement Specifications (FRS) and interface specifications for further context surrounding URI field requirements can be found at: [Software Releases Overview | NPAC](#)

Operational Benefits of Using NPAC



Trusted, Neutral Platform

NPAC is a carrier-neutral, highly available system with established governance and oversight.



Leverages Existing Distribution

NPAC already distributes data via LSMSs to network elements—extending this to URI/FQDN minimizes the need for new systems.



Enables Faster Time to Implementation

Builds on existing infrastructure and processes, accelerating industry readiness for all-IP.



Cost Effective

Avoids duplicative databases and interfaces; maximizes existing industry investments. NPIF change orders are implemented at no cost to industry participants.

Next Steps - Defining URI Requirements for All-IP Routing



The existing URI fields provide a strong foundation.

Additional requirements must be developed by NPIF to fully support IP call routing in an all-IP environment.

Key Areas for NPIF to Define

- ✓ Field usage rules and record applicability
- ✓ Field formats (FQDN, URI scheme, port handling)
- ✓ Field length and permitted character set (current limit: 255 characters)
- ✓ Validation rules (syntax, scheme, FQDN, DNS)
- ✓ Field Update Authority - what entities may populate or modify the URI fields
- ✓ Backward compatibility and transitional use