

Local Number Portability Administrator (LNPA) Services for LEA and PSAP Users



agenda



- *Who is iconectiv?*
- *U.S. Number Portability Administration Center (NPAC)
Transition Overview*
- *Services for Law Enforcement and Public Safety*
- *Onboarding and Transition Information*

iconectiv

unparalleled leadership and legacy in global communications



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d.b.a **iconectiv**

Owned by Ericsson and Francisco Partners since 2017.

99

 **Telcordia.**

Purchased by SAIC in 1997; renamed Telcordia in 1999. Sold to Warburg Pincus and Providence Equity in 2004. Acquired by Ericsson in 2012.

84

Bellcore
Bell Communications Research

Renowned telecommunications research and development company. Created as part of the divestiture of AT&T in 1983. Originally named the Central Services Organization (CSO), became Bellcore in 1984.

Background



July 25, 2016: *iconectiv named the new Local Number Portability Administrator for the NPAC. (FCC Docket 09-109)*

2H 2018: *Transition underway, will be completed in 2Q 2018.*

March 4, 2018: *Services for Law Enforcement and Public Safety Services successfully transitioned*

Note:

- iconectiv is operating under a new Master Services Agreement with the North American Portability Management LLC
- iconectiv deployed new data centers and built new NPAC systems; no re-use of the Neustar systems or data centers
- While functional requirements for the iconectiv NPAC remain largely the same, there are significant new security requirements for the iconectiv systems, data centers and operations
- The new security requirements were driven by the FCC PSHSB and several federal agencies in light of today's ever-changing high risk cyber environment

overview



LNPA-at-a-Glance

- The **Local Number Portability Administrator (LNPA)** administers the U.S. Number Portability Administration Center Service Management System (NPAC SMS)
- The NPAC SMS enables porting of phone numbers in the U.S., allowing customers to retain their numbers when switching service providers
- The NPAC provides information for the routing of calls and texts for 650+ million U.S. phone numbers and is integral to the U.S. telecommunications infrastructure
- The NPAC is not in the path of 9-1-1 call completion as the service provider routes calls to the relevant PSAP
- The NPAC is not in the path of Wireless Emergency Alerts (WEA), which are sent via cellular broadcast technology that allows service providers to broadcast a message to a specific location.

LNPA Customers and Services

The LNPA provides porting services and related data to multiple user groups, including

- Services Providers (SP) and Service Bureaus (SB)
- Providers of Telecom-Related Services (PTRS)
- Businesses that must comply with Wireless Do Not Call laws
- Law Enforcement and Public Safety Entities
- Services for Law Enforcement and Public Safety include:
 - Enhanced Law Enforcement Platform (ELEP) – an online service
 - Interactive Voice Response – a telephone service

ELEP & IVR Service Comparison



Should a law enforcement or public safety agency use the IVR or ELEP Service?

	IVR	ELEP
Current service provider for ported numbers	YES	YES
Current service provider for numbers that have not been ported	NO	YES
Service provider's law enforcement contact	YES	YES
Port information provided	YES	YES
Port history provided	NO	YES
Ability to search by individual telephone number	YES	YES

	IVR	ELEP
Ability to search by a range of telephone numbers	NO	YES
API available	NO	YES
Number of telephone number look-ups allowed per session	20	100
Online access	NO	YES
Phone access	YES	NO
Ability to upload a file	NO	YES

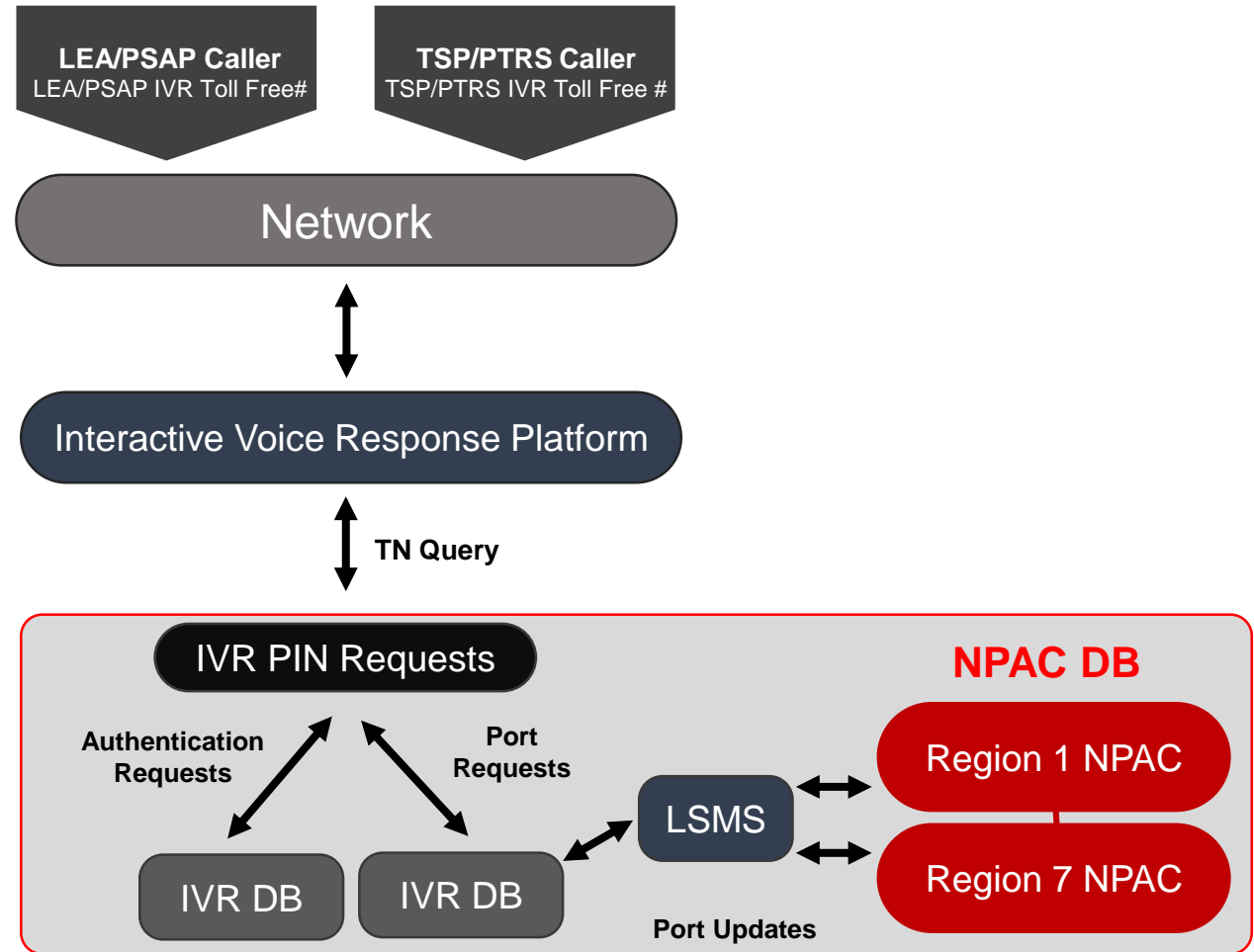


Interactive Voice Response (IVR)



- Authentication by PIN
- Query up to 20 telephone numbers (TN) per call
- Returned Information:
 - TN Status (ported, not ported)
 - Service Provider ID for ported numbers
 - Service Provider Name
 - Service Provider contact name
 - Service Provider phone number

NOTE: there is no charge for this service

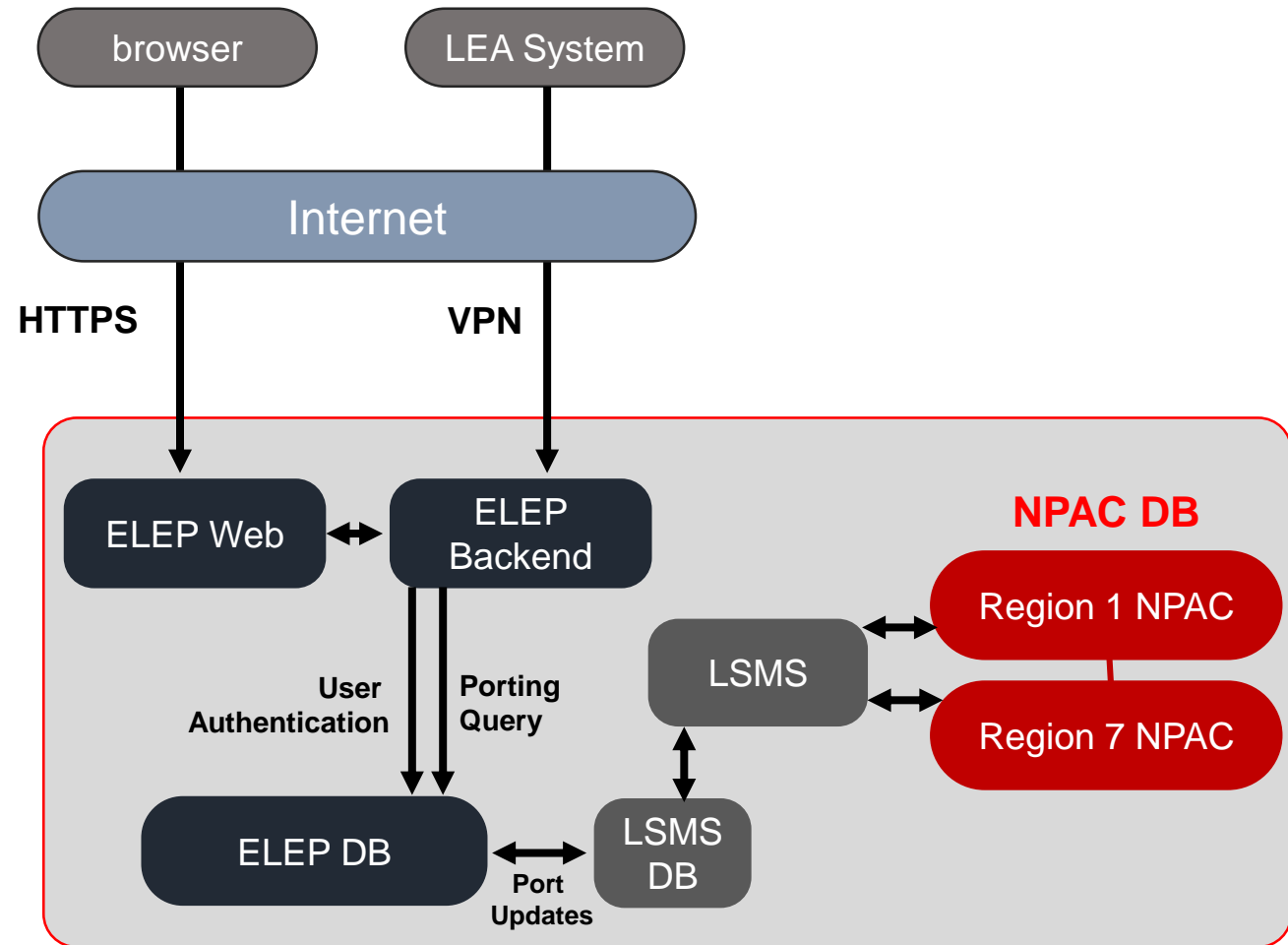


Enhanced Law Enforcement Platform (ELEP)

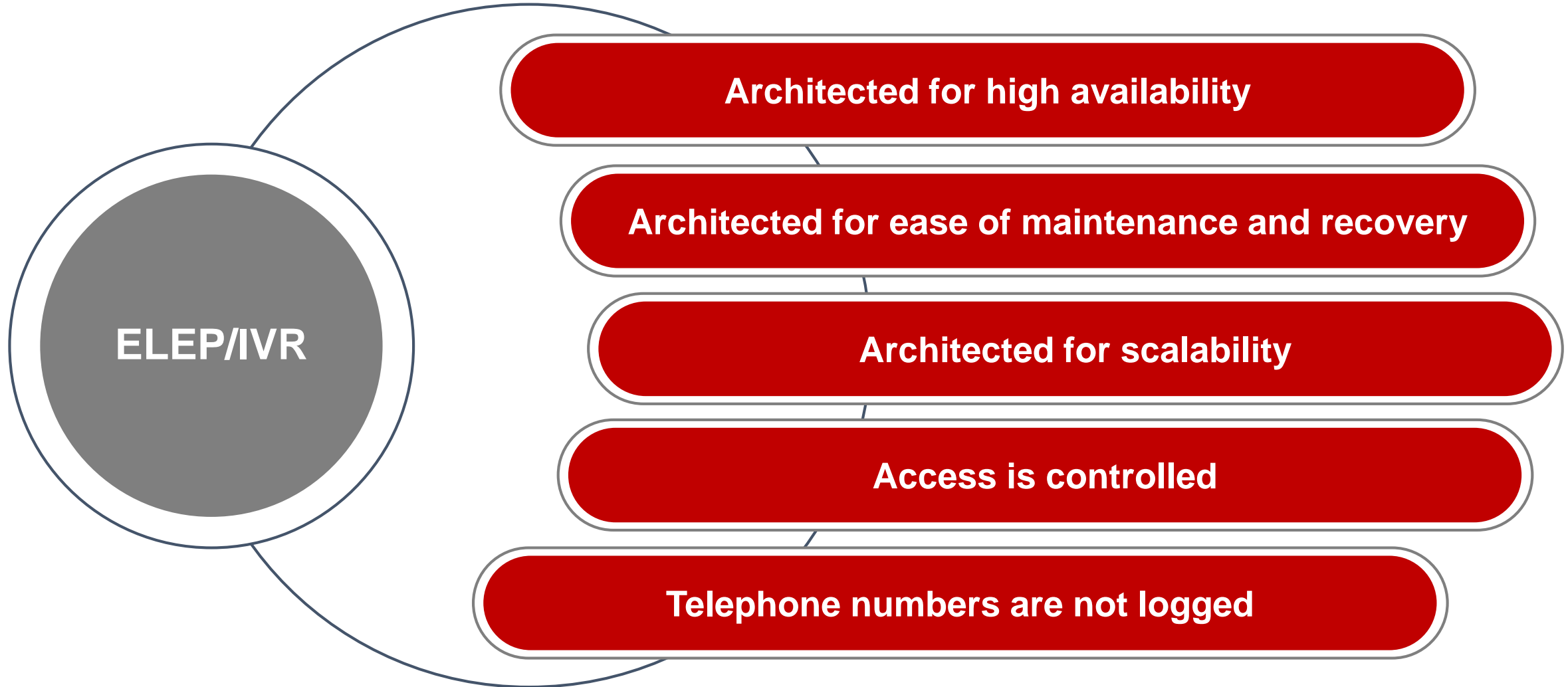


- Authentication by username/password
- Communications over encrypted channel
- Query up to 100 TNs per request
- Returned Information:
 - Service Provider ID (SPID) for ported numbers
 - Service Provider Name
 - Service Provider Contact Name
 - Service Provider Telephone Number
 - Date of Change from one Service Provider to another
 - Alternative SPID information
 - Last Alternative SPID information
 - Porting History (if selected)

NOTE: there is a fee for this service



ELEP/IVR Architecture Overview



ELEP and IVR Onboarding

iconectiv onboarding steps:



Qualified users can go to lawenforcement.numberportability.com to begin registration

User fills out simple online registration form for their agency

iconectiv will review the registration form and verify that the agency is qualified

iconectiv and the agency will finalize registration; iconectiv will provide access credentials

Transition and Onboarding Status



IVR

Education and outreach continues, particularly to public safety organizations
Registrations to iconectiv IVR service continuing to grow

ELEP

Interested agencies have transitioned or are in the process of transitioning to iconectiv ELEP Service

Transition

Services smoothly transitioned to iconectiv on March 4th, 2018;
Neustar services discontinued on March 9th

Service Levels

iconectiv has new fee and service levels for ELEP that reflect our system and security requirements
We continue to work with all users to find the right level to fit their service needs and budget



Further Information and Assistance

24x7 operations



www.lawenforcement.numberportability.com



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