

Universal One Number System (ONS) Overview

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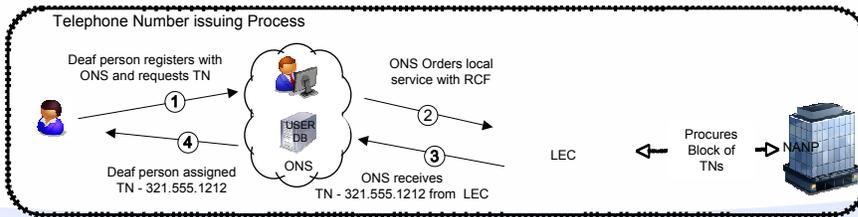
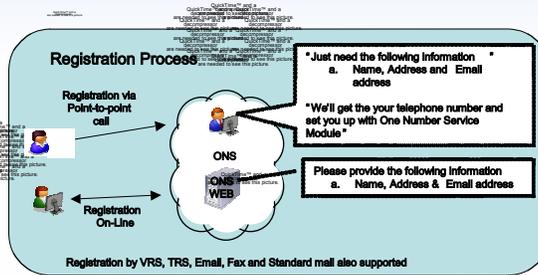
ONS the neutral solution

- Numbering and E9-1-1 service for people who are deaf and hard of hearing by neutral third party – ONS
- Telephone number tied to person/IP address, not a provider or video phone or device
- Provides and operates critical infrastructure for E9-1-1 services for all service providers
- System is uniform and consistent - gets the service providers out of the numbering business
- Cost effective and funded by surcharge on TRS rate – fair share from each provider
- Fast implementation – 6 months or less



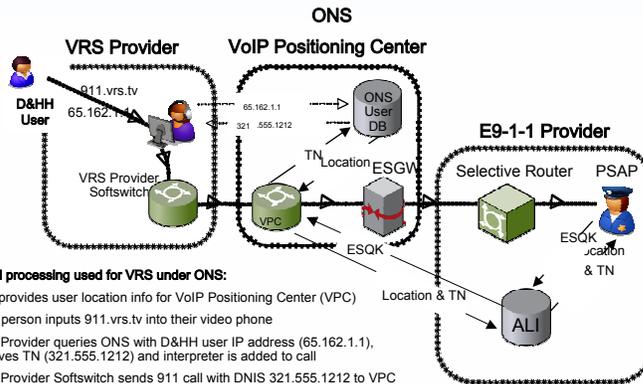
Uniform, Efficient, and Secure Numbering

- ONS uniform, efficient and secure**
- § One place to register for number = Easy
 - § One place to change address = Privacy
 - § One place to change providers = Choice
 - § One database to secure = Safety
 - § One place to correct problems = Support



ONS Equality in E9-1-1

- E9-1-1 Services**
- One database for numbers and addresses
 - VoIP system for relay providers
 - One system to implement for relay industry
 - Deaf/hard of hearing user responsible for address information
 - Fast implementation



E9-1-1 call processing used for VRS under ONS:

- ONS provides user location info for VoIP Positioning Center (VPC)
- Deaf person inputs 911.vrs.tv into their video phone
- VRS Provider queries ONS with D&HH user IP address (65.162.1.1), receives TN (321.555.1212) and interpreter is added to call
- VRS Provider Softswitch sends 911 call with DNIS 321.555.1212 to VPC
- VPC, in conjunction with Emergency Services GateWay (ESGW), routes the call to the correct PSAP
- VPC provides location of caller to PSAP



ONS Benefits

- Uses neutral 3rd party to issue numbers and manage database
- Levels playing field for service providers: eliminates numbering from the marketing activities
- Promotes greater privacy, security and control
 - Consumers can easily choose and change providers
 - Consumers have control over personal information in the database
- Employs one neutral system for E9-1-1: supports effective and prompt response in high volume emergencies
- Achieves economies of scale to save costs for Interstate TRS Fund; uses fair cost allocation for providers of all sizes – surcharge on the TRS rate



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ONS Benefits

- Promotes consistency in service quality
 - One telephone/IP address database is updated regularly
 - Uniformity in number administration
- Fosters innovation and competition
 - supports evolution to new technologies in addressing systems, communication protocols
 - Frees up providers to focus on service innovation, rather than numbering
- Readily achieves number portability on day one
- Facilitates law enforcement action when needed; mitigates fraud, slamming
- Fast and cost effective implementation



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William Cobb - Bio

25 years experience building telecommunication products and services

9 years with Sprint Nextel building innovative products leveraging numbering plans and data communication products

14 years in start-ups building wireless data and DSL products

4 years creating and building a \$25m consumer data product business

Senior management experience in Product Development, Sales, Marketing and Network Operations

