

## Telcordia® Mobile ID

An interconnection breakthrough for routing, rating, and billing voice calls, messages, and value-added applications for all mobile players — operators, international long distance carriers, SMS aggregators, application service providers, and mobile content providers.

► There are more and more telecom and non-telecom players in the mobile industry, and they all want to reach mobile subscribers. Unfortunately, they are also discovering how expensive, time consuming, and difficult it can be to gather reliable data on ported numbers from the roughly 50 countries that have implemented number portability, and to keep up with the endless changes in national number plans and dial codes.

Working with inaccurate data is a business nightmare. The impacts include: non-optimal routing, revenue leakage from incorrect rating and billing, added interconnection charges and transit fees, blocked calls, and dropped messages.

What's more, as service providers deploy next generation services, using IP and IP Multimedia Subsystem (IMS) infrastructures, there is the added difficulty of routing calls and messages efficiently and securely based on new addressing systems such as Uniform Resource Identifiers (URIs).

### LEAVE YOUR INTERCONNECTION PROBLEMS BEHIND

Telcordia Mobile ID is a subscription service, available on a country-by-country basis, that delivers continuously updated, number portability-corrected routing and global dial code information. A one-stop data source, it tackles virtually all of the routing and interconnection challenges that result from international number portability adoption, use of IP addresses for mobile messaging and VoIP services, and the explosive growth in service providers and subscribers worldwide.

### 001

Leverage a one-stop source of the latest, global, number portability-corrected routing data and dial codes

### 002

Boost revenues with successful call and message terminations to ported numbers

### 003

Avoid routing errors, interconnection charges, and transit fees with optimal, least-cost routing

**USE OUR SERVICE YOUR WAY**

We offer flexible delivery options for Mobile ID data — File Transfer Protocol (FTP) downloads, ENUM query service, and SOAP/XML for incremental downloads — and you can even combine them if you wish. For example, you could use ENUM queries to obtain routing information and FTP downloads to execute billing and settlement. Whichever option you choose, for added flexibility Mobile ID enables access to subsets of data based on your authorization and contractual agreements.

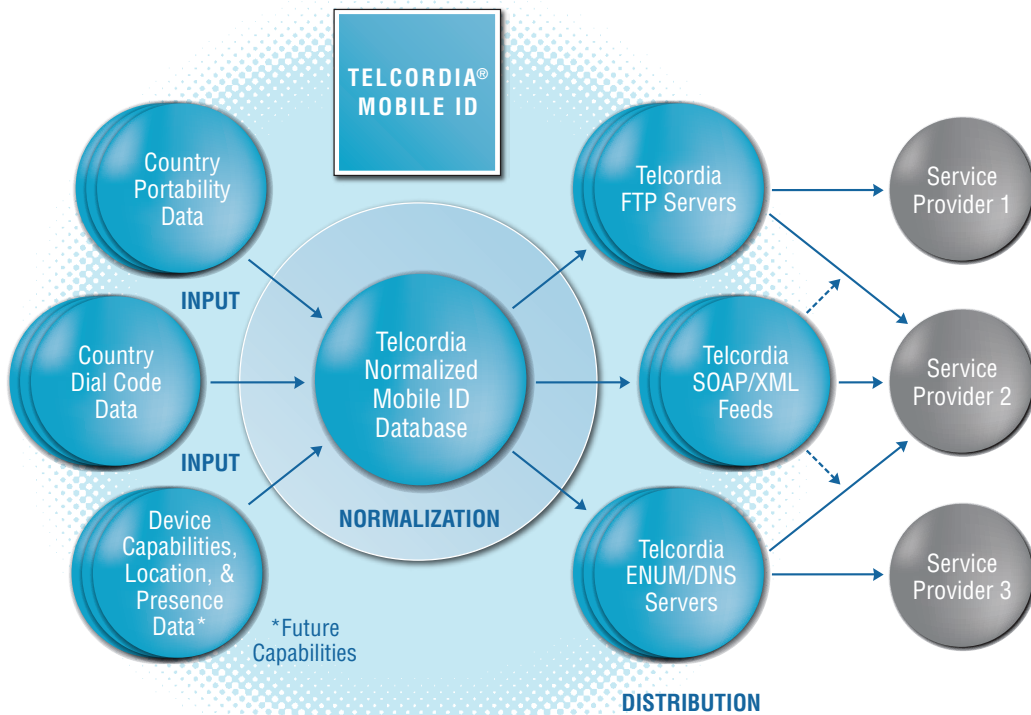
**DOWNLOAD EFFICIENTLY AND SECURELY WITH FTP AND SOAP/XML**

With FTP, data access is through the Secure File Transfer Protocol (SFTP) — an interactive file transfer program that utilizes Secure Shell (SSH) protocol and public keys to provide authentication, confidentiality, and data integrity. Non-repudiation of the data is achieved through digital signature using the recipient’s public key.

- **TELCORDIA INTERCONNECTION SOLUTIONS**
- Telcordia Interconnection Solutions is a global leader in number portability, mobile messaging, and global number information exchange. Our registries, clearinghouses, and technology enable service providers to extend service reach, reduce OPEX, and minimize revenue leakage.

**Mobile ID Architecture**

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SFTP maximizes download efficiency in two ways. First, it provides data compression. Second, its normal distribution via FTP and to name servers is incremental, which means that, typically, it only distributes changes (additions, updates, and deletions) and avoids the need for massive retransmissions of unchanged data. When operational circumstances, such as initialization of a new server or restoration of a failed database, require a full refresh, complete datasets can be distributed as compressed files.

Telcordia Mobile ID also supports a SOAP/XML interface as an additional download option for near real-time incremental downloads that can be implemented after a bulk initialization using Secure FTP.

#### **MAKE CUSTOMIZED, ON-DEMAND ENUM QUERIES**

Telcordia hosted name servers support ENUM queries (per RFC 3761), and our hosted service can be easily configured for your customized routing data selections, based on both the origin of the queries (identities of the service providers issuing the queries) and the destinations (identities of the service providers serving the terminating parties).

We also support IPv6, allowing ENUM/DNS operations in both IPv4 and IPv6 networks according to IETF BCP 91 recommendations. And Telcordia has a provisional patent on the resolution logic that enables processing source data and answering queries against a name server with both telephone number and number block record entries.

#### **OBTAIN ROUTING DATA WITH COMPLETE CONFIDENCE**

Mobile ID eliminates the need for you to interface directly with national regulators and operators in hundreds of countries to obtain routing data. Telcordia imports number portability data from authorized administrators on a per country basis, and we import range holder dial code data from the authoritative Telcordia® LERG™ Routing Guide for North American Numbering Plan (NANP) (World Zone 1) and Telcordia Global Dialing Data (GDD) for outside the NANP.

We standardize our data formats and fields from country-specific number portability data and about one million dial codes from more than 230 countries into a common, normalized format for access by service providers.

- **AT A GLANCE**
- Telcordia Mobile ID addresses the full range of routing and interconnection challenges by:
- Delivering authoritative data on ported numbers and dial codes from around the world
- Plugging the revenue leakage from incorrect rating and billing
- Significantly decreasing the routing errors that degrade service quality
- Supporting the full range of global protocols, interfaces, and numbering plans.



Our service is also highly resilient and available, because it's deployable with key solutions components replicated at multiple geographical locations.

#### DISCOVER THE SERVICE THAT'S OPEN TODAY AND FUTURE-READY

With Mobile ID, you can simplify your operations today and as they evolve with:

- Application-neutral support for voice, SMS, MMS, VoIP and other emerging IP-based services
- Worldwide numbering plan support (ITU-T E.164 numbering)
- A unified provisioning interface regardless of country or geography to simplify operations and save costs
- Support for standard protocols and interfaces (DNS, SIP, ENUM, SOAP/XML) for flexibility and lower integration costs
- Extensible support for new device capabilities and data types as they become available, including presence and location.

#### LEARN MORE

Talk to us about all the ways that Mobile ID service can help to cut costs, improve revenues, and relieve pressure on your organization by delivering the highest quality routing and dial code data conveniently and efficiently, every time.

#### GET IT RIGHT

- With the expertise to solve the world's most complex communications challenges, Telcordia is known for helping its customers get it right so they can reap the greatest business benefits. Our Interconnection Solutions are part of our broad offering of products and services designed to help you operate more efficiently, drive revenues, and deploy innovative new services.



For more information about Telcordia Technologies, contact your local account executive, or you can reach us at:

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