

Telcordia[®] Mobile ID

Reduce Revenue Leakage with Improved Rating and Billing Data

For International Carriers

Telcordia[®] Mobile ID provides over one million validated dial codes from more than 230 countries. It also offers authoritative, worldwide number portability-corrected routing data to help prevent interconnection-related revenue leakage and improve revenue assurance results.

Protect Your Financial Performance

International carriers are facing increasing competition and falling profit margins on their international voice and data services. Because of this, any effort to help prevent revenue leakage and enable more efficient delivery of traffic is more important today than ever before. Unfortunately, these efforts can be complicated by a rapidly growing list of countries implementing number portability, never-ending changes in country dial codes and national numbering plans, as well as varying mobile-termination rates within countries.

Telcordia Mobile ID addresses the full range of routing and interconnection challenges by:

- Delivering authoritative data on dial codes and ported numbers from around the world
- Plugging the revenue leakage from incorrect rating and billing
- Preventing fraudulent calls to premium rate services
- Supporting the full range of global protocols, interfaces, and numbering plans.

Our Mobile ID service addresses revenue leakage and commercial risk by providing accurate and continuously updated dial codes. This enables international carriers to correctly identify type-of-service in interconnect agreements to make sure rating and billing are correct. It safeguards against higher cost premium rate service or mobile calls being misclassified as lower-cost regular landline calls, which can quickly result in substantial losses.

The Mobile ID service also lowers costs and protects against revenue loss by solving the international routing issues caused by number portability. Mobile ID provides the trusted number portability-corrected data carriers need in order to identify the terminating network to which each international number belongs, ensuring reliable least-cost routing and efficient delivery of traffic.

Using Mobile ID, an international carrier can directly route traffic to the proper terminating network associated with a ported number, instead of routing to the original range holder network, which can often impose a conveyance fee for forwarding the traffic to the terminating network.

This also ensures that calls to ported numbers that belong to mobile networks with higher termination rates are not misclassified as calls to range holder networks with lower termination rates, which would lead to undercharging and revenue loss. In addition, it protects an international carrier against ‘cherry-picking’ practices, where other carriers knowingly send it traffic to ported numbers that have higher mobile termination rates than the range holder ones.

Obtain Routing Data with Complete Confidence

You can save money, time, and resources by obtaining reliable, formatted, and normalized global routing data from a single source. With Mobile ID, you can eliminate the need for the expensive and time-consuming in-house tasks of gathering range holder dial codes and number portability-corrected data from all the national regulators and operators worldwide. Telcordia imports range holder and number portability data from authorized administrators on a per country basis, so you can count on the accuracy of the information.

We standardize our data formats and fields from country-specific number portability data — including over a million dial codes from more than 230 countries — into a common, normalized format for access by service providers. Our service is highly resilient and available, because it’s deployable with key solutions components replicated at multiple geographical locations.

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, if you wish. Whichever option you choose, Mobile ID gives you added flexibility by enabling access to subsets of data based on your authorization and contractual agreements.

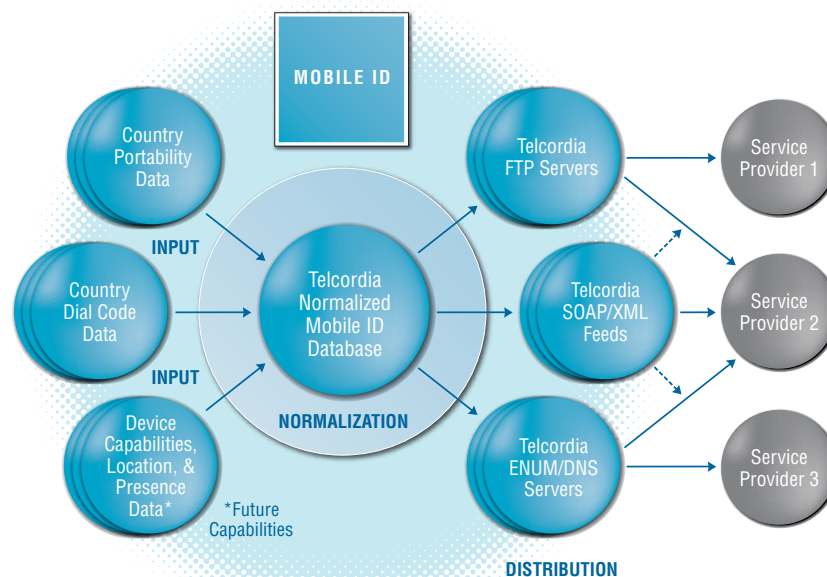


Figure: Mobile ID Architecture

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 a digital signature using the recipient's public key.

SFTP maximizes download efficiency in two ways: first, it provides data compression; and second, its normal distribution via FTP and to name servers is incremental — which means that typically, it only distributes changes (additions, updates, and deletions) without massive retransmissions of unchanged data. When operational circumstances require a full refresh, such as the initialization of a new server or restoration of a failed database, complete datasets can be distributed as compressed files.

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

Make Customized, On-Demand ENUM Queries

Telcordia hosted name servers support ENUM queries (per RFC 3761). 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.

Discover the Service that's Invaluable Today and Future-Ready

With Mobile ID, you can simplify your operations both 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

Contact us and let's talk about your requirements, and how Mobile ID service might help you 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.



For more information about Telcordia,
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