

tyntec

Sophisticated Simplicity
In Mobile Interaction



Product Data Sheet Number Lookup



Product Data Sheet

Number Lookup

Having accurate data is key for enabling and supporting precise and cost-effective communications and authentication processes with customers. tyntec's Number Lookup service provides customizable network information directly from the GSM network. This service enables companies to perform efficient subscriber database cleaning, compile statistical data, implement anti-fraud procedures and ID verification, and many other use cases.

Get the information you need: the real customizable lookup service

The Number Lookup service offers value-added network information which can be tailored according to customer requirements. tyntec's platform is highly scalable and reliable, providing customers with guaranteed lookup results in less than 1.5 seconds as well as up to 80 lookups simultaneously. The service offers a highly accurate means of querying network information directly from the GSM network.

With Number Lookup, you can:

- Enable faster and more efficient database cleansing by verifying mobile subscriber databases and removing invalid numbers
- Validate the identity and location of subscribers, as well as perform Mobile Number Portability lookups
- Implement real-time relay of billing and data records
- Optimize message and call routing
- Implement least cost routing by directing SMS messages or voice calls to the right network

tyntec offers two main service levels: standard and premium. The premium service enables customers to further customize network information, tailoring the response according to their needs.

Value-added features

- Lookup results can be returned to multiple destinations (different IP / locations)
- Synchronous interface for faster, easier communication

Tech specs

- Request: MSISDN
- Interfaces: SOAP, ENUM, H.225, SIP
- Request type: synchronous and asynchronous
- Throughput: up to 80 simultaneous lookups
- Real-time lookups directly into the GSM network
- Technical support: 24/7/365

Use Cases	Output	Standard	Premium	Interfaces
MNP check, Routing, Billing	MCC + MNC	✓	✓	SOAP, SIP ENUM, H.225
Database cleaning	Error code	✓	✓	
Location check	Country, MSC	x	✓	SOAP
Location check	Roaming flag	x	✓	
ID verification check	IMSI	x	✓	
Original network check	Number range holder	x	✓	
Subscriber status	Portability flag	x	✓	
Subscriber status	SS7 return codes	x	✓	

Who should use this service?

- Financial institutions (banks, insurance companies, credit card agencies, anti-fraud management companies)
- Messaging aggregators and resellers
- IT outsourcing companies
- Voice gateways and VoIP providers
- Call centers
- Mobile Network Operators (MNOs)
- Marketing and research organizations
- Online entertainment companies (dating, gambling, games)

Key benefits

Save costs and improve data accuracy

Implementing a scalable and high speed lookup service can help companies check the accuracy of customer databases. This ensures that companies can be sure of using up-to-date information when contacting customers or subscribers and do not spend time or resources contacting invalid numbers.

Prevent fraudulent activities

In the financial and security sector, checking a customer's location and IMSI offers a secure solution for preventing fraud and strengthening authentication procedures, such as in financial transactions.

Improve efficiency in communications with customers

Any company with a direct interface to consumers can greatly improve customer service and call centre efficiency by excluding roaming subscribers from cold calls. This also helps to avoid contacting customers when they're not available.

Optimize message and call routing

Companies in the telecommunications space can use the Lookup service to optimize message and call routing. With real-time lookups companies can immediately and accurately identify the network that a mobile phone number belongs to.

About tyntec

tyntec is a mobile interaction specialist, enabling businesses to integrate mobile telecom services for a wide range of uses – from enterprise mission-critical applications to internet services. The company reduces the complexity involved in accessing the closed and complex telecoms world by providing a high quality, easy-to-integrate and global offering using universal services such as SMS, voice and numbers. Founded in 2002, and with more than 150 staff in five offices around the globe, tyntec works with 500+ businesses including mobile service providers, enterprises and internet companies.

Munich +49 (89) 202 451 100 – London +44 (207) 436 0283 – Singapore +65 (6478) 3020
E-Mails sales@tyntec.com www.tyntec.com

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