



Service for automatic setup of mobile phones



What is GSMSota

Modern information services, such as WAP, GPRS, MMS, e-mail, have already become part of important characteristics of all modern mobile phones. Now mobile network operators and service providers face the task of providing their subscribers with a possibility to set up all these services without problems on the phones of their clients.

GSMSota represents a platform which provides a reliable solution for mobile phone settings remote control. This solution helps mobile network operators and service providers to reduce expenses on customer service and increases profits from modern information services.

Advantages of GSMSota service for mobile network operators and service providers:

- Sets up phones of their clients automatically
- Increases profits from new services, ensures their fast implementation
- Reduces customer service costs considerably due to load reduction on support service
- Analyses possibilities of clients due to automatic identification of phone models by IMEI-codes.

Main distinctive features of GSMSota system

- Automatic setup of a wide range of mobile services (WAP, GPRS, E-mail, MMS, SyncML, Push-To-Talk, Bookmarks, Presence, Video Streaming) on clients' phones
- Extensive support list which includes more than 500 phone models produced by leading manufacturers
- Possibility of automatic identification of a phone number by IMEI code
- Possibility of system customization
- Support and timely extension of a phone model line by the solution developer

Extensive GSMSota support list - for phone models

GSMSota supports configuration setup of phones produced by leading manufacturers, including Nokia, Sony Ericsson, Motorola, Samsung, Siemens, Panasonic, Alcatel, LG.

New phone models appear constantly in the market which makes it complicated to support parameters of the whole phone model line up-to-date for operators and service providers.

GSMSota solution provides further support and guarantees mobile network operators and service providers regular updates of setup parameters for new phones in GSMSota system.

Support of a wide range of settings: WAP, GPRS, MMS, e-mail

Different standards and specifications make the task of mobile phone configuration setup somewhat complicated. GSMSota supports settings according to the following specifications:

- OMA Client Provisioning
- Nokia-Sony-Ericsson OTA Settings
- Openwave Primary Provisioning Browser
- Smart Messaging

Administration tools and interfaces

GSMSota offers external WEB and WAP interfaces which can be customized and integrated into already existing web-content as well as tools for easy development of applications which use GSMSota.

Standard external interfaces include step-by-step masters of configuration setup which help clients in the process of configuration setup of their mobile phones. External interfaces can be customized.

Parameters which can be customized:

- Text and design modification
- Security setting
- Control of profiles with settings

GSMSota system architecture

GSMSota server

GSMSota server is a master component of this solution which ensures the main functionality for mobile phone setup. The server contains phone database with information about setup parameters and features of each model.

Profile manager

Profile manager represents an administration module which ensures preliminary setup of the main parameters of mobile services such as WAP, MMS, E-mail, PTT, SyncML.

XML interface

XML interfaces are GSMSota server-based interfaces which allow to integrate the existing systems of the operator or service provider with the system of automatic settings.

XML interfaces allow to:

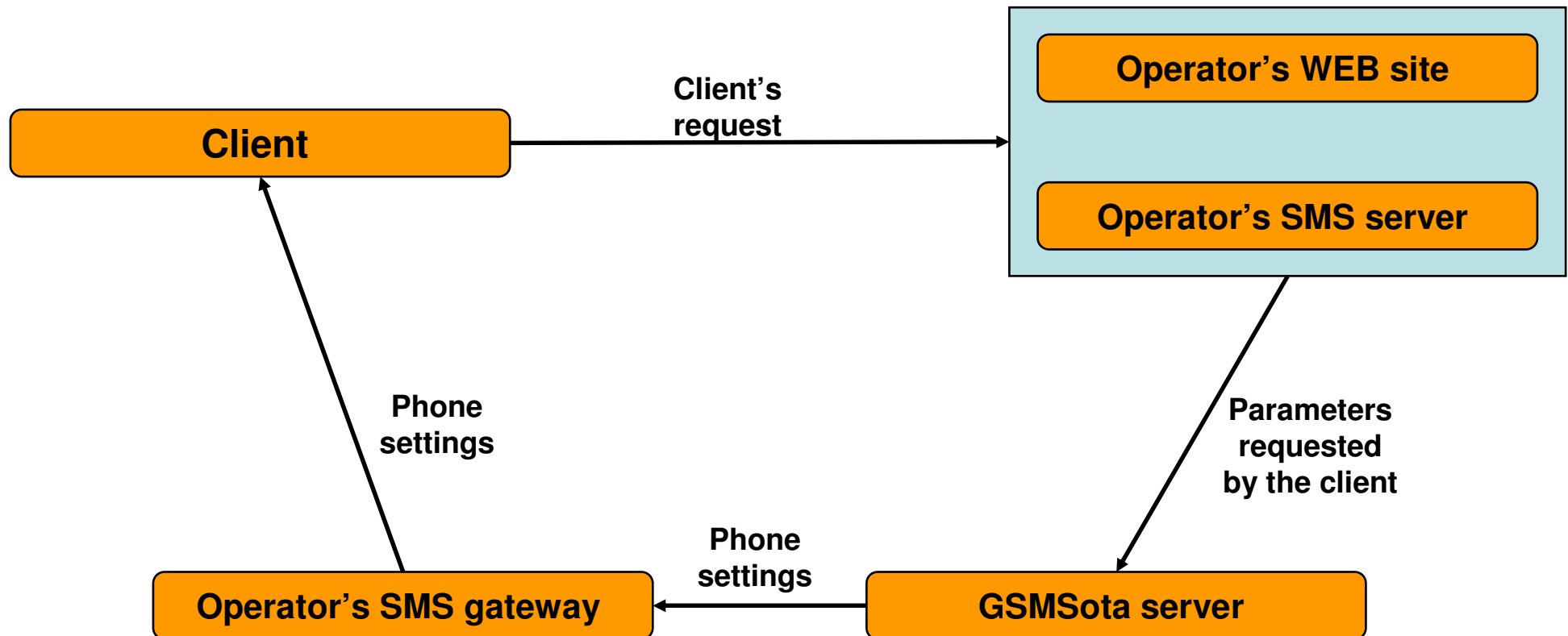
- receive a list of supported phones and detailed characteristics of each model
- request to create a binary message of automatic setting according to the indicated profile and/or parameters
- receive parameters or change parameters of a previously created profile
- identify phone characteristics by IMEI code.

Standard scheme to receive settings

The client requests settings via WEB interface or SMS

The operator transmits the requested parameters to GSMSota server

GSMSota server forms settings and sends them via SMS gateway of the operator

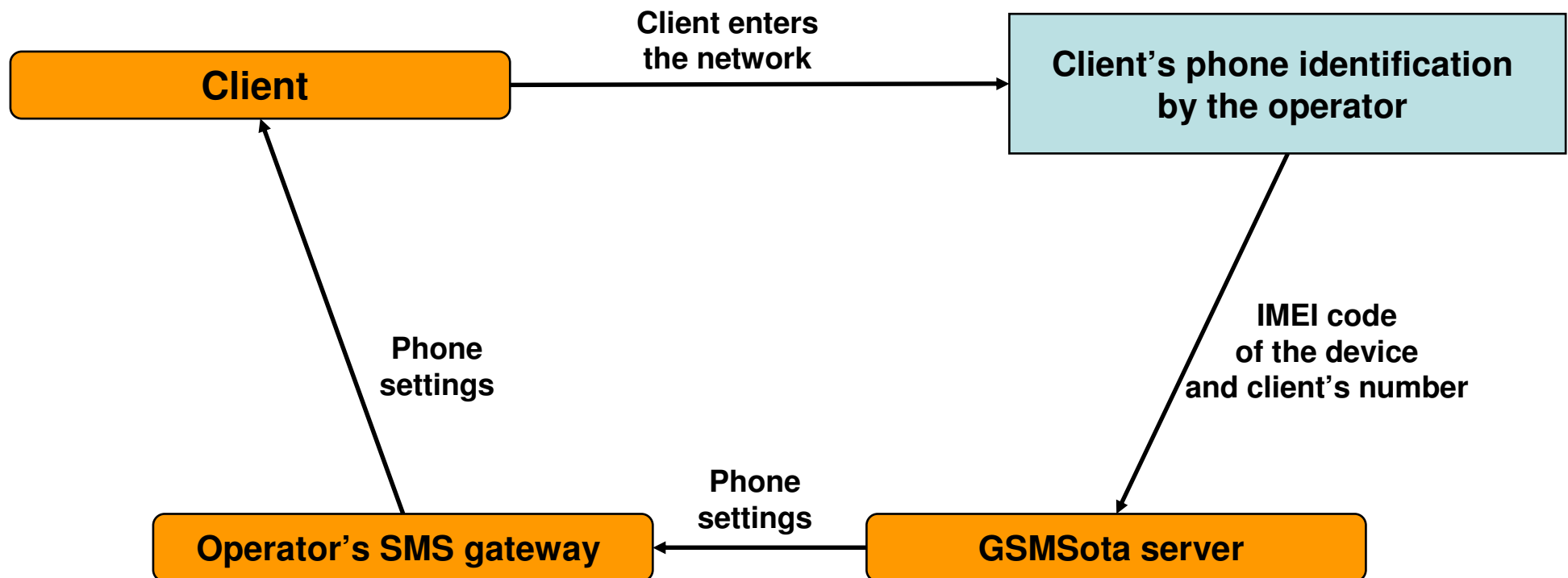


The scheme to receive settings without user's request

The operator identifies a new device which appears in the network

The operator transmits the IMEI code of the new device and its number

GSMSota server identifies the phone model, forms settings and sends them via SMS gateway of the operator



Installation platform and requirements to the system

GSMSota is a Java-based system. This solution runs on a WEB server with Java servlet support and uses a database compatible with JDBC.

To ensure stable functioning of GSMSota system it is recommended that the hardware component of the server should correspond to the following requirements:

- Intel P4 processor or similar
- 1GB RAM
- 5 GB of free space on hard disc

Business model for operators

Qplaze offers a customized solution which is to be installed on the technical basis of the ordering party.

Updates of supported phone models list and their characteristics can be done automatically via WEB interface or in the form of service packs by technical experts of the ordering party.

Business model for service providers

There are two options: a model similar to that of the operators' or leasing of the system installed on Qplaze technical basis with payment for each sent setting.

Qplaze-RME

VCS Company is the owner of Qplaze trademark and specializes in the development of Java and Brew games as well as entertainment content for mobile phones and server solutions for mobile operators and mobile portals.

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