

Multi-tenancy support

Table of Contents

Restcomm USSD GATEWAY is able to work in multi-tenant mode by connecting to a set of different SS7 operators. The procedure is based on dividing of USSD routing rules into several areas ("subnetworks").

Each area has its unique digital "networkId" value. You can assign a unique USSD Global Title for each networkId. Each SS7 SCCP service access point (SAP) and each USSD Routing Rule belongs to one of the networks (to each of them a networkId value is assigned). Default networkId value is "0". If a user does not specify a networkId value when USSD Routing Rule or SAP rule creation, networkId=0 will be assigned.

When a PULL request comes from SS7 network, a networkId value from SAP will be assigned to a USSD dialog. Then USSD Routing Rule with assigned networkId will be chosen for request routing to a proper HTTP or SIP application.

When a PUSH request comes from HTTP application, a networkId value from HTTP XML payload ("networkId" attribute) is taken (or is assigned as 0 if "networkId" attribute is missed in the XML payload). Then SS7 SAP will be chosen when routing USSD request to SS7 network.

When a PUSH request comes from SIP application, a networkId value is always assigned as 0. It is impossible now to use SIP App originated messages for multi-tenancy.

NetworkId are specified at different places:

- for JSS7 level SAPs and SCCP routing rules are configured for this. See "7.4.5. Create a new Service Access Point" and "7.4.17. Create a new SCCP Rule" chapters of "JSS7 stack User Guide".
- for USSD Routing Rule see the chapter [\[setting_ussd_routing_rules_create\]](#).

For configuring of USSD Global Titles - see chapters [\[setting_ussd_gt\]](#).