Dialogic®

Dialogic® DSI SS7G41 Signaling Server

Introduction to SWS Profiles

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1 Introduction

Recent software enhancements to the Dialogic® DSI SS7G41 Signaling Server include the ability to configure multiple profiles for each SWS service. This provides the user the ability set up several sets of configuration parameters which can be invoked each time a transaction takes place by including a reference to the specific profile within the web service URI at run-time. This also allows the users application to make use of all four of the Network contexts supported by the SS7G41.

Coincident with the introduction of profile support, several additional web services have been added and some of the commands associated with web service configuration have changed.

This document supplements the released User Documentation and describes the configuration commands associated with the support of multiple configuration profiles. It also lists the currently supported web services and summarises the changes to management commands resulting from the new functionality.

The functionality described in this document relates to SWS software, Release 1.3.x and later.

1.1 Profile Overview

The ability to configure multiple profiles allows the application to select between different sets of configuration data by including a reference to the profile within the web service URI on a transaction by transaction basis. Each profile has an integer profile id and a text profile name. The application uses the profile name within the URI as follows:

```
HTTP POST
http://<server>:81/dialogicwebservice/signaling/profile/<profileName>/<msisdn>/sms
```

When configuring a profile the user can select which of the four Network Contexts supported by the SS7G41 should be used for that profile.

1.2 Web Service Support

This section lists the currently supported web services:

- SMS Services
  - MAP SMS Mobile Termination Transmit
    - SMS Mobile Terminated Transmit Requests
    - Atomic SMS Mobile Terminated Transmit Requests
    - Report SM Delivery
    - Send Routing Info for SM
  - MAP SMS Mobile Termination Receive
    - SMS Mobile Terminated Receive Requests
  - MAP SMS Mobile Origination Transmit

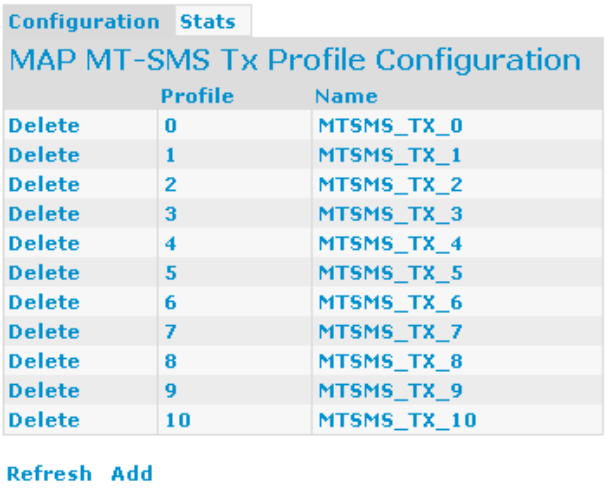
        - SMS Mobile Originated Transmit Requests
    - MAP SMS Mobile Origination Receive
        - SMS Mobile Originated Receive Requests
        - Alert Service Centre
    - MAP Ready for SM Transmit
        - Ready for SM
- Subscriber Services
    - Received LBS Location Requests
    - Received Subscriber State Requests
    - Received Get IMSI
    - LBS Location Requests
- USSD Services
    - USSD Mobile Init Sessions
    - USSD App Init Sessions
- HLR Services
    - MAP HLR Transmit
        - Send Alert Service Centre
    - MAP HLR Receive
        - Received LBS Location Requests
        - Received Send Routing Info for SM
        - Received Ready for SM
        - Received Subscriber State Requests
        - Received Atomic SMS Mobile Terminated Transmit Requests
- Update Location Service

2 Browser Based Profile Configuration

Configuration and management of web service profiles can be conducted using either the browser interface or the MML interface. This section describes the browser based interface.

Navigate via "System Administration -> MAP Services" and a high level list of service groups is presented. Within a service group the individual services can be selected.

When a particular service is selected a summary of all currently configured profiles is displayed as shown in the following example:


Configuration Stats

MAP MT-SMS Tx Profile Configuration

	Profile	Name
Delete	0	MTSMS_TX_0
Delete	1	MTSMS_TX_1
Delete	2	MTSMS_TX_2
Delete	3	MTSMS_TX_3
Delete	4	MTSMS_TX_4
Delete	5	MTSMS_TX_5
Delete	6	MTSMS_TX_6
Delete	7	MTSMS_TX_7
Delete	8	MTSMS_TX_8
Delete	9	MTSMS_TX_9
Delete	10	MTSMS_TX_10

Refresh Add

Profiles may be added or deleted at this level.

Select the Stats tab to display measurements for reach profile. When selecting measurements from the summary view page 1 will show the individual measurements for profiles associated with the service and page 2 will show the summary measurements. Resetting measurements on page 1 will reset the individual measurements for all profiles. Resetting the measurements on page 2 will reset the summary measurements.

The full configuration for an individual profile can be viewed by clicking the Profile field of the profile of interest. Once viewing a particular profile, individual parameters can be modified.

Configuration Stats

MAP MT-SMS Tx Profile Configuration

Profile	0
Name	MTSMS_TX_0
Network Context	NC0
Service Center Number Type	Subscriber
Service Center Numbering Plan	ISDN
Service Center Address Digits	3303123456
Originating Number Type	International
Originating Numbering Plan	Unknown
Originating Address digits	43523452345
Destination Number Type	Subscriber
Destination Numbering Plan	ISDN
Receive Optional Parameters	Y
Options	0x00000000
Automatic Report SM Delivery	N

Back Refresh Change

When viewing the configuration for a specific profile, measurements for that particular profile can also be viewed using the Stats tab. When viewing this manner the measurements for the particular profile can be reset.

2.1 Adding a new Profile

The following examples describe the process of adding a new profile using the browser based interface. It is also possible to perform this process using the command line interface..

Navigate via "System Administration -> MAP Services" and select the type of service for which a new profile is required. The summary view will be displayed as follows:

Configuration Stats

MAP MT-SMS Tx Profile Configuration

	Profile	Name
Delete	0	MTSMS_TX_0
Delete	1	MTSMS_TX_1
Delete	2	MTSMS_TX_2
Delete	3	MTSMS_TX_3
Delete	4	MTSMS_TX_4
Delete	5	MTSMS_TX_5
Delete	6	MTSMS_TX_6
Delete	7	MTSMS_TX_7
Delete	8	MTSMS_TX_8
Delete	9	MTSMS_TX_9
Delete	10	MTSMS_TX_10

Refresh Add

To create a new profile click on the "Add" button and a form similar to the example below will be displayed:

MAP MT-SMS Tx Profile Configuration

Network Context	NC0
Profile	21
Name	MT_SMS_NEW
Service Center Number Type	International
Service Center Numbering Plan	Unknown
Service Center Address Digits	4432948023
Originating Number Type	International
Originating Numbering Plan	Unknown
Originating Address digits	4479019803212
Destination Number Type	International
Destination Numbering Plan	Unknown
Receive Optional Parameters	N
Options	0
Automatic Report SM Delivery	Y

Submit Cancel

Enter the configuration parameters for the new profile taking care always to use a profile and name that is not already in use for the service.

Enter the remaining configuration parameters taking care to obey any rules (as described in the equivalent MML command for the service).

When all the parameters have been entered, use the "Submit" button to create the new profile.

The example profile created above would be referenced by the application by inserting the /profile/<profilename>/ into the URI as shown in the following example.

```
HTTP POST
http://<server>:81/dialogicwebservice/signaling/profile/MT_SMS_NEW/<msisdn>/sms
```

3 MMI Commands

Support for multiple profiles makes use of a new set of MML commands which are documented in this section.

The ability to add, change and deleted profiles is provides in addition to the ability to print the current configuration and measurements associated with the profile.

The commands to display profile configuration commands may be specified with or without a profile id. When specified without a profile id the commands will output a summary of all the profile id and profile names associated with a service. When specified with an id the commands will output all the configuration data for a particular profile.

The commands to display profile measurements may be specified with or without a profile id. When specified without a profile id the commands can be given an extra parameter, page. When page is set to 1 then the measurement commands outputs measurements for each profile associated with the service. When page is set to 2 the measurement command output summary measurements for all profiles associated with the service. If a profile id is specified on the measurements then on page 1 information indicating individual profile measurements may be output.

3.1 MAHRI / MAHRC / MAHRE - MAP HLR Rx Profile

Synopsis

Commands to initiate, change and end configuration associated with MAP Receive HLR service profiles.

Syntax

MAHRI:PROFILE=,NAME=,{[NC=,][HLRNP=,][HLRTON=,][HLRADDR=,]
[RCOPT=,][OPTIONS=,]};

MAHRC:PROFILE=,{[NAME=,][HLRNP=,][HLRTON=,][HLRADDR=,][RCOPT=,]
[OPTIONS=,]};

MAHRE:PROFILE=;

Web Management Location

System Administration > MAP Services > HLR > HLR Rx > Configuration

Applicability

Operating Modes: SWS

Permissions: Configuration Update Access

Prerequisites

The profile and name must be unique for the service.

The HLR address must be unique within the network context.

Examples

MAHRI:PROFILE=0,NAME=HLRADDR_RECV_0,HLRADDR=32331545;

MAHRC:PROFILE=0,HLRADDR=32331545;

MAHRE:PROFILE=0;

3.2 MAHRP - MAP HLR Rx Profile Print

Synopsis

Command to display configuration associated with MAP Receive HLR service profiles.

Syntax

MAHRP:[PROFILE=,];

Web Management Location

System Administration > MAP Services > HLR > HLR Rx > Configuration

Applicability

Operating Modes: SWS

Permissions: Configuration Read Access

Example

MAHRP:PROFILE=0;

Output format

```
MAP HLR Rx Profile
PROFILE     0
NAME        HLRADDR_RECV_0
NC          NC0
HLRTON      International
HLRNP       ISDN
HLRADDR     666666666666
RCOPT       N
OPTIONS     0x00000000
```

3.3 MAHTI - MAP HLR Tx Profile

Synopsis

Commands to initiate, change and end configuration associated with MAP Transmit HLR service profiles.

Syntax

MAHTI:PROFILE=,NAME=,HLRADDR=,{[NC=,][HLRNP=,][HLRTON=,]
[RCOPT=,][OPTIONS=,]};

MAHTC:PROFILE=,{[NAME=,][HLRNP=,][HLRTON=,][HLRADDR=,][RCOPT=,]
[OPTIONS=,]};

MAHTE:PROFILE=;

Web Management Location

System Administration > MAP Services > HLR > HLR Tx > Configuration

Applicability

Operating Modes: SWS

Permissions: Configuration Update Access

Prerequisites

The profile and name must be unique for the service.

The HLR address must be unique within the network context.

Example

MAHTI:PROFILE=0,NAME=HLRADDR_TRANS_0,HLRADDR=32331545;

MAHTC:PROFILE=0,HLRADDR=32331545;

MAHTE:PROFILE=0;

3.4 MAHTP - MAP HLR Tx Profile Print

Synopsis

Command to display configuration associated with MAP Transmit HLR service profiles.

Syntax

MAHTP:[PROFILE=,];

Web Management Location

System Administration > MAP Services > HLR > HLR Tx > Configuration

Applicability

Operating Modes: SWS

Permissions: Configuration Read Access

Example

MAHTP:PROFILE=0;

Output format

```
MAP HLR Tx Profile
PROFILE     0
NAME        HLRADDR_TRANS_0
NC          NC0
HLRTON      International
HLRNP       ISDN
HLRADDR     666666666666
RCOPT       N
OPTIONS     0x00000000
```

3.5 MAORI / MAORC / MAORE- MAP MO-SMS Rx Profile

Synopsis

Commands to initiate, change and end configuration associated with MAP Receive MO-SMS service profiles.

Syntax

MAORI:PROFILE=,NAME=,{[NC=,][SCTON=,][SCNP=,][SCADDR=,]
[RCOPT=,][OPTIONS=,][ASC=,] };

MAORC:PROFILE=,{[NAME=,][SCTON=,][SCNP=,][SCADDR=,][RCOPT=,]
[OPTIONS=,][ASC=,] };

MAORE:PROFILE=;

Web Management Location

System Administration > MAP Services > SMS > MO-SMS Rx > Configuration

Applicability

Operating Modes: SWS

Permissions: Configuration Update Access

Prerequisites

The profile and name must be unique for the service.

The service center address must be unique within the network context.

Example

MAORI:PROFILE=0,NAME=MOSMS_RECV_0,SCADDR=223232222;

MAORC:PROFILE=0,SCADDR=223232222;

MAORE:PROFILE=0;

3.6 MAORP - MAP MO-SMS Rx Profile Print

Synopsis

Command to display configuration associated with MAP Receive MO-SMS service profiles.

Syntax

MAORP:[PROFILE=,];

Web Management Location

System Administration > MAP Services > SMS > MO-SMS Rx > Configuration

Applicability

Operating Modes: SWS

Permissions: Configuration Read Access

Example

MAORP:PROFILE=0;

Output format

```
MAP MO-SMS Rx Profile
PROFILE     0
NAME        MOSMS_RECV_0
NC          NC0
SCTON       International
SCNP        ISDN
SCADDR      666666666666
RCOPT       N
OPTIONS     0x00000000
ASC         MAN
```

3.7 MAOTI / MAOTC / MAOTE - MAP MO-SMS Tx Profile

Synopsis

Commands to initiate, change and end configuration associated with MAP Transmit MO-SMS service profiles.

Syntax

MAOTI:PROFILE=,NAME=,MSCADDR=,ORGADDR=,DSTSCADDR=,
{[NC=,][MSCTON=,][MSCNP=,][ORGTON=,][ORGNP=,]
[DSTSCTON=,][DSTSCNP=,][RCOPT=,][OPTIONS=]};

MAOTC:PROFILE=,{[NAME=,][MSCTON=,][MSCNP=,][MSCADDR=,]
[ORGTON=,][ORGNP=,][ORGADDR=,][DSTSCTON=,][DSTSCNP=,]
[DSTSCADDR=],[RCOPT=,][OPTIONS=]};

MAOTE:PROFILE=;

Web Management Location

System Administration > MAP Services > SMS > MO-SMS Tx > Configuration

Applicability

Operating Modes: SWS

Permissions: Configuration Update Access

Prerequisites

The profile and name must be unique for the service.

The MSC address must be unique within the network context.

Example

MAOTI:PROFILE=0,NAME=MOSMS_TRANS_0,MSCADDR=123456,
ORGADDR=24333, DSTSCADDR=2211563456;

MAOTC:PROFILE=0,MSCADDR=123456,ORGADDR=24333;

MAOTE:PROFILE=0;

3.8 MAOTP - MAP MO-SMS Tx Profile Print

Synopsis

Command to display configuration associated with MAP Transmit MO-SMS service profiles.

Syntax

MAOTP:[PROFILE=,];

Web Management Location

System Administration > MAP Services > SMS > MO-SMS Tx > Configuration

Applicability

Operating Modes: SWS

Permissions: Configuration Read Access

Example

MAOTP:PROFILE=0;

Output format

```
MAP MO-SMS Tx Profile
PROFILE     0
NAME        MOSMS_TRANS_0
NC          NC0
MSCTON      International
MSCNP       ISDN
MSCADDR     666666666666
ORGTON      International
ORGNP       ISDN
ORGADDR     666666666666
DSTSCTON    International
DSTSCNP     ISDN
DSTSCADDR   666666666666
RCOPT       N
OPTIONS     0x00000000
```

3.9 MARTI / MARTC / MARTE - MAP Ready for SM Tx Profile

Synopsis

Commands to initiate, change and end configuration associated with MAP Ready for SM service profiles.

Syntax

MARTI:PROFILE=,NAME=,SCADDR=,HLRADDR=,{[NC=,][SCTON=,][SCNP=,] [HLRTON=,][HLRNP=,][RCOPT=,][NSUBP=,]} ;

MARTC:PROFILE=,{[NAME=,][SCTON=,][SCNP=,][SCADDR=,][HLRTON=,] [HLRNP=,][HLRADDR=,][RCOPT=,][NSUBP=,]} ;

MARTE:PROFILE=;

Web Management Location

System Administration > MAP Services > SMS > Ready for SM > Configuration

Applicability

Operating Modes: SWS

Permissions: Configuration Update Access

Prerequisites

The profile and name must be unique for the service.

The service center address must be unique within the network context.

Example

MARTI:PROFILE=0,NAME=READYSM_TRANS_0,SCADDR=23323121,HLRADDR=1121212;

MARTC:PROFILE=0,HLRADDR=1121212;

MARTE:PROFILE=0;

3.10 MARTP - MAP Ready for SM Tx Profile Print

Synopsis

Command to display configuration associated with MAP Ready for SM service profiles.

Syntax

MARTP:[PROFILE=,];

Web Management Location

System Administration > MAP Services > SMS > Ready for SM > Configuration

Applicability

Operating Modes: SWS

Permissions: Configuration Read Access

Example

MARTP:PROFILE=0;

Output format

```
MAP Ready for SM service profile
PROFILE     0
NAME        READYSM_TRANS_0
NC          NC0
SCTON       International
SCNP        ISDN
SCADDR      666666666666
HLRTON      International
HLRNP       ISDN
HLRADDR     666666666666
RCOPT       N
NSUBP       N
```

3.11 MASPI / MASPC / MASPE - MAP Subscriber Profiling Profile

Synopsis

Commands to initiate, change and end configuration associated with MAP Subscriber service profiles.

Syntax

MASPI:PROFILE=,NAME=,GWADDR=,{[NC=,][GWNP=,][GWTON=,]
[DSTTON=,][DSTNP=,][RCOPT=,][OPTIONS=,]};

MASPC:PROFILE=,{[NAME=,][GWNP=,][GWTON=,][GWADDR=,]
[DSTTON=,][DSTNP=,][RCOPT=,][OPTIONS=,]};

MASPE:PROFILE=;

Web Management Location

System Administration > MAP Services > Subscriber > Subscriber > Configuration

Applicability

Operating Modes: SWS

Permissions: Configuration Update Access

Prerequisites

The profile and name must be unique for the service.

The gateway address must be unique within the network context.

Example

MASPI:PROFILE=0,NAME=SUBPROF_TRANS_0,GWADDR=33233232;

MASPC:PROFILE=0,GWADDR=33233232;

MASPE:PROFILE=0;

3.12 MASPP - MAP Subscriber Profiling Profile Print

Synopsis

Command to display configuration associated with MAP Subscriber service profiles.

Syntax

MASPP:[PROFILE=,];

Web Management Location

System Administration > MAP Services > Subscriber > Subscriber > Configuration

Applicability

Operating Modes: SWS

Permissions: Configuration Read Access

Example

MASPP:PROFILE=0;

Output format

```
MAP Subscriber service profile
PROFILE     0
NAME        SUBPROF_TRANS_0
NC          NC0
GWTON       International
GWNP        ISDN
GWADDR      666666666666
DSTTON      International
DSTNP       ISDN
RCOPT       N
OPTIONS     0x00000000
```

3.13 MATRI /MATRC / MATRE - MAP MT-SMS Rx Profile

Synopsis

Commands to initiate, change and end configuration associated with MAP Receive MT-SMS service profiles.

Syntax

MATRI:PROFILE=,NAME=,{[NC=,][SCTON=,][SCNP=,][SCADDR=,]
[RCOPT=,][TXTPREF=,][OPTIONS=,]};

MATRC:PROFILE=,{NAME=,][SCTON=,][SCNP=,][SCADDR=,][RCOPT=,]
[TXTPREF=,][OPTIONS=,]};

MATRE:PROFILE=;

Web Management Location

System Administration > MAP Services > SMS > MT-SMS Rx > Configuration

Applicability

Operating Modes: SWS

Permissions: Configuration Update Access

Prerequisites

The profile and name must be unique for the service.

The service center address must be unique within the network context.

The profile cannot be ended if it is still associated with MAP Update Location configuration.

Example

MATRI:PROFILE=0,NAME=MTSMS_RECV_0,SCADDR=123456789;

MATRC:PROFILE=0,SCADDR=123456789;

MATRE:PROFILE=0;

3.14 MATRP - MAP MT-SMS Rx Profile Print

Synopsis

Command to display the system configuration associated with MAP Receive MT-SMS service profiles.

Syntax

MATRP:[PROFILE=,];

Web Management Location

System Administration > MAP Services > SMS > MT-SMS Rx > Configuration

Applicability

Operating Modes: SWS

Permissions: Configuration Read Access

Example

MATRP:PROFILE=0;

Output format

```
MAP MT-SMS Rx Profile
PROFILE     0
NAME        MTSMS_RECV_0
NC          NC0
SCTON       International
SCNP        ISDN
SCADDR      666666666666
TXTPREF     Y
RCOPT       N
OPTIONS     0x00000000
```

3.15 MATTI / MATTC / MATTE - MAP MT-SMS Tx Profile

Synopsis

Commands to initiate, change and end configuration associated with MAP Transmit MT-SMS service profiles.

Syntax

MATTI:PROFILE=,NAME=,SCADDR=,ORGADDR=,{[NC=,][SCTON=,]
[SCNP=,][ORGTON=,][ORGNP=,][DSTTON=,][DSTNP=,]
[RCOPT=,][RDEL=,]};

MATTC:PROFILE=,{NAME=,][SCTON=,][SCNP=,][SCADDR=,][ORGTON=,]
[ORGNP=,][ORGADDR=,][DSTTON=,][DSTNP=,][RCOPT=,]
[RDEL=,]};

MATTE:PROFILE=;

Web Management Location

System Administration > MAP Services > SMS > MT-SMS Tx > Configuration

Applicability

Operating Modes: SWS

Permissions: Configuration Update Access

Prerequisites

The profile and name must be unique for the service.

The service center address must be unique within the network context.

Example

MATTI: PROFILE=0,NAME=TR0,SCADDR=1234567,ORGADDR=7654321;

MATTC: PROFILE=0,RCOPT=Y;

MATTE:PROFILE=0;

3.16 MATTP - MAP MT-SMS Tx Profile Print

Synopsis

Command to display configuration associated with MAP Transmit MT-SMS service profiles.

Syntax

MATTP:[PROFILE=,];

Web Management Location

System Administration > MAP Services > SMS > MT-SMS Tx > Configuration

Applicability

Operating Modes: SWS

Permissions: Configuration Read Access

Example

MATTP:PROFILE=0;

Output format

```
MAP MT-SMS Tx Profile
PROFILE     0
NAME        MTSMS_TRANS_0
NC          NC0
SCTON       International
SCNP        ISDN
SCADDR      666666666666
ORGTON      International
ORGNP       ISDN
ORGADDR     666666666666
DSTTON      International
DSTNP       ISDN
RCOPT       N
OPTIONS     0x00000000
RDEL        N
```

3.17 MAULI / MAULC - MAP Update Location

Synopsis

Commands to initiate and change configuration associated with MAP Update Location Web Services.

Syntax

MAULI:IMSI=,HLRTON=,HLRNP=,HLRADDR=,PROFILE=

MAULC:IMSI=,[HLRTON=,][HLRNP=,][HLRADDR=,][PROFILE=,]

MAULE:IMSI=;

Web Management Location

System Administration > MAP Services > Update Location > Configuration

Applicability

Operating Modes: SWS

Permissions: Configuration Update Access

Prerequisites

The profile is an initiated MT-SMS Rx profile.

Example

MAULI:IMSI=1212122,HLRTON=International,HLRNP=ISDN,HLRADDR=3323 34423,PROFILE=0;

MAULC:IMSI=1212122,HLRTON=International;

MAULE:IMSI=1212122;

3.18 MAUPI / MAUPC / MAUPE - MAP USSD Profile

Commands to initiate, change and end configuration associated with MAP USSD service profiles.

Syntax

MAUPI:PROFILE=,NAME=,GWADDR=,{[NC=,][GWTON=,][GWNP=,]
[DSTTON=,][DSTNP=,][DFDCS=,][LANG=,][RCOPT=,]
[OPTIONS=,][RCV_GWTON=,][RCV_GWNP=,][RCV_GWADDR=,]};

MAUPC:PROFILE=,{[NAME=,][GWTON=,][GWNP=,][GWADDR=,][DSTTON=,]
[DSTNP=,][DFDCS=,][LANG=,][RCOPT=,][OPTIONS=,]
[RCV_GWTON=,][RCV_GWNP=,][RCV_GWADDR=,]};

MAUPE:PROFILE=;

Web Management Location

System Administration > MAP Services > USSD > USSD > Configuration

Applicability

Operating Modes: SWS

Permissions: Configuration Update Access

Prerequisites

The profile and name must be unique for the service.

The gateway address must be unique within the network context.

Example

MAUPI:PROFILE=0,NAME=USSD_0,GWADDR=1212321234;

MAUPC:PROFILE=0,GWADDR=1212321234;

MAUPE:PROFILE=0;

3.19 MAUPP - MAP USSD Profile Print

Command to display configuration associated with MAP USSD service profiles.

Syntax

MAUPP:[PROFILE=,];

Web Management Location

System Administration > MAP Services > USSD > USSD > Configuration

Applicability

Operating Modes: SWS

Permissions: Configuration Read Access

Example

MAUPP:PROFILE=0;

Output format

```
MAP USSD service profile
PROFILE     0
NAME        USSD_0
NC          NC0
GWTON       International
GWNP        ISDN
GWADDR      666666666666
RCV_GWTON   International
RCV_GWNP    ISDN
RCV_GWADDR  ANY
DSTTON      International
DSTNP       ISDN
DEFDSC      English
LANG        EN
RCOPT       N
OPTIONS     0x00000000
```

3.20 MSHRP - MAP HLR Rx Measurements

Command to display traffic measurements for Receive MAP HLR Services.

Page 1 displays summary measurements associated with each MAP service.

Page 2 displays measurements for each profile associated with a MAP service.

When a profile is specified Page 2 measurements are displayed.

When measurements are reset values and the measurement period are set to zero. Individual profile measurements are only reset when the profile id is specified as well as the reset field otherwise the counters for the per service measurement summary are reset.

Syntax

MSHRP:[RESET=,][PAGE=,|PROFILE=,];

Web Management Location

System Administration > MAP Services > HLR > HLR Rx > Stats

Applicability

Operating Modes: SWS

Permissions: Configuration Read Access

Example

MSHRP;

MSHRP:PAGE=2;

MSHRP:PROFILE=2;

MSHRP:RESET=Y;

Output format

```
MAP HLR Rx Services Measurements (Page 1 of 2)
MAP_SERVICE                  SUCCESS FAIL   PERIOD
Rx_Send_Routing_Info_for_SM  0       0      01:29:16
Rx_Report_Delivery_SM        0       0      01:29:16
```

```
Rx_Atomic_Mobile_Term_TX_Req 0       0      01:29:16
Rx_Get_IMSI                  0       0      01:29:16
Rx_Location_Request          3434    0      01:29:16
Rx_Subscriber_State_Reqs     1231    0      01:29:16

MAP HLR Rx Services Measurements (Page 2 of 2)
PROFILE MAP_SERVICE                  SUCCESS FAIL   PERIOD
0       Rx_Send_Routing_Info_for_SM  0       0      01:29:16
0       Rx_Report_Delivery_SM        0       0      01:29:16
0       Rx_Atomic_Mobile_Term_TX_Req 0       0      01:29:16
0       Rx_Get_IMSI                  0       0      01:29:16
0       Rx_Location_Request          3434    0      01:29:16
0       Rx_Subscriber_State_Reqs     1231    0      01:29:16
```

The meaning of each field in the output is as follows:

PROFILE - A profile associated with a MAP service.

MAP_SERVICE - The MAP service.

SUCCESS - Count of successes.

FAIL - Count of failures.

PERIOD - Time since measurements for the service were last reset.

3.21 MSHTP - MAP HLR Tx Measurements

Command to display traffic measurements for Transmit MAP HLR Services.

Page 1 displays summary measurements associated with each MAP service.

Page 2 displays measurements for each profile associated with a MAP service.

When a profile is specified Page 2 measurements are displayed.

When measurements are reset values and the measurement period are set to zero. Individual profile measurements are only reset when the profile id is specified as well as the reset field otherwise the counters for the per service measurement summary are reset.

Syntax

MSHTP:[RESET=,][PAGE=,|PROFILE=,];

Web Management Location

System Administration > MAP Services > HLR > HLR Tx > Stats

Applicability

Operating Modes: SWS

Permissions: Configuration Read Access

Example

MSHTP;

MSHTP:PAGE=2;

MSHTP:PROFILE=2;

MSHTP:RESET=Y;

Output format

```
MAP HLR Tx Services Measurements (Page 1 of 2)
MAP_SERVICE                 SUCCESS FAIL   PERIOD
Tx_Alert_SC                 0       0      01:29:16

MAP HLR Tx Services Measurements (Page 2 of 2)
PROFILE MAP_SERVICE                SUCCESS FAIL   PERIOD
0       Tx_Alert_SC                0       0      01:29:16
```

The meaning of each field in the output is as follows:

PROFILE - A profile associated with a MAP service.

MAP_SERVICE - The MAP service.

SUCCESS - Count of successes.

FAIL - Count of failures.

PERIOD - Time since measurements for the service were last reset.

3.22 MSORP - MAP MO-SMS Rx Measurements

Command to display traffic measurements associated with MAP Received MO-SMS Services.

Page 1 displays summary measurements associated with each MAP service.

Page 2 displays measurements for each profile associated with a MAP service.

When a profile is specified Page 2 measurements are displayed.

When measurements are reset values and the measurement period are set to zero. Individual profile measurements are only reset when the profile id is specified as well as the reset field otherwise the counters for the per service measurement summary are reset.

Syntax

MSORP:[RESET=,][PAGE=,|PROFILE=,];

Web Management Location

System Administration > MAP Services > SMS > MO-SMS Rx > Stats

Applicability

Operating Modes: SWS

Permissions: Configuration Read Access

Example

MSORP;

MSORP:PAGE=2;

MSORP:PROFILE=2;

MSORP:RESET=Y;

Output format

```
MAP MO-SMS Rx Measurements (Page 1 or 2)
```

```
MAP_SERVICE               SUCCESS FAIL   PERIOD
Mobile_Orig_RX_Req        23      1      01:29:16
Alert_SC                  0       0      01:29:16

MAP MO-SMS Rx Measurements(Page 2 or 2)
PROFILE  MAP_SERVICE               SUCCESS FAIL   PERIOD
0        Mobile_Orig_RX_Req        23      1      01:29:16
0        Alert_SC                  0       0      01:29:16
```

The meaning of each field in the output is as follows:

PROFILE - A profile associated with the MAP service.

MAP_SERVICE - The MAP service.

SUCCESS - Count of successes.

FAIL - Count of failures.

PERIOD - Time since measurements for the service were last reset.

3.23 MSOTP - MAP MO-SMS Tx Measurements

Command to display traffic measurements associated with MAP Transmit MO-SMS Services.

Page 1 displays summary measurements associated with each MAP service.

Page 2 displays measurements for each profile associated with a MAP service.

When a profile is specified Page 2 measurements are displayed.

When measurements are reset values and the measurement period are set to zero. Individual profile measurements are only reset when the profile id is specified as well as the reset field otherwise the counters for the per service measurement summary are reset.

Syntax

MSOTP:[RESET=,][PAGE=,|PROFILE=,];

Web Management Location

System Administration > MAP Services > SMS > MO-SMS Tx > Stats

Applicability

Operating Modes: SWS

Permissions: Configuration Read Access

Example

MSOTP;

MSOTP:PAGE=2;

MSOTP:PROFILE=2;

MSOTP:RESET=Y;

Output format

```
MAP MO-SMS Tx Measurements (Page 1 or 2)
MAP_SERVICE               SUCCESS FAIL   PERIOD
Mobile_Orig_TX_Req        23      1      01:29:16

MAP MO-SMS Tx Measurements(Page 2 or 2)
PROFILE  MAP_SERVICE               SUCCESS FAIL   PERIOD
0        Mobile_Orig_TX_Req        23      1      01:29:16
```

The meaning of each field in the output is as follows:

PROFILE - A profile associated with the MAP service.

MAP_SERVICE - The MAP service.

SUCCESS - Count of successes.

FAIL - Count of failures.

PERIOD - Time since measurements for the service were last reset.

3.24 MSRTP - MAP Ready for SM Tx Profile Measurements

Command to display traffic measurements associated with MAP Ready for SM Services.

Page 1 displays summary measurements associated with each MAP service.

Page 2 displays measurements for each profile associated with a MAP service.

When a profile is specified Page 2 measurements are displayed.

When measurements are reset values and the measurement period are set to zero. Individual profile measurements are only reset when the profile id is specified as well as the reset field otherwise the counters for the per service measurement summary are reset.

Syntax

MSRTP:[RESET=,][PAGE=,|PROFILE=,];

Web Management Location

System Administration > MAP Services > SMS > Ready for SM > Stats

Applicability

Operating Modes: SWS

Permissions: Configuration Read Access

Example

MSRTP;

MSRTP:PAGE=2;

MSRTP:PROFILE=2;

MSRTP:RESET=Y;

Output format

```
MAP Ready for SM Measurements (Page 1 or 2)
MAP_SERVICE               SUCCESS FAIL   PERIOD
Ready_for_SM              3434    0      01:00:00
```

```
MAP Ready for SM Measurements(Page 2 or 2)
PROFILE  MAP_SERVICE              SUCCESS FAIL   PERIOD
0        Ready_for_SM          3434    0      01:00:00
```

The meaning of each field in the output is as follows:

PROFILE - A profile associated with the MAP service.

MAP_SERVICE - The MAP service.

SUCCESS - Count of successes.

FAIL - Count of failures.

PERIOD - Time since measurements for the service were last reset.

3.25 MSSPP - MAP Subscriber Profiling Measurements

Command to display traffic measurements associated with MAP Subscriber Profiling Services.

Page 1 displays summary measurements associated with each MAP service.

Page 2 displays measurements for each profile associated with a MAP service.

When a profile is specified Page 2 measurements are displayed.

When measurements are reset values and the measurement period are set to zero. Individual profile measurements are only reset when the profile id is specified as well as the reset field otherwise the counters for the per service measurement summary are reset.

Syntax

MSSPP:[RESET=,][PAGE=,|PROFILE=,];

Web Management Location

System Administration > MAP Services > Subscriber > Subscriber > Stats

Applicability

Operating Modes: SWS

Permissions: Configuration Read Access

Example

MSSPP;

MSSPP:PAGE=2;

MSSPP:PROFILE=2;

MSSPP:RESET=Y;

Output format

```
MAP Subscriber Profiling Measurements(Page 2 or 2)
MAP_SERVICE               SUCCESS FAIL   PERIOD
Location_Request          3434    0      01:00:00
Subscriber_State_Reqs     1231    0      01:00:00
Get_IMSI                  0       0      01:00:00
```

```
MAP Subscriber Profiling Measurements (Page 1 or 2)
PROFILE  MAP_SERVICE               SUCCESS FAIL   PERIOD
0        Location_Request          3434    0      01:00:00
0        Subscriber_State_Reqs     1231    0      01:00:00
0        Get_IMSI                  0       0      01:00:00
```

The meaning of each field in the output is as follows:

PROFILE - A profile associated with the MAP service.

MAP_SERVICE - The MAP service.

SUCCESS - Count of successes.

FAIL - Count of failures.

PERIOD - Time since measurements for the service were last reset.

3.26 MSTRP - MAP MT-SMS Rx Measurements

Command to display traffic measurements associated with a MAP Receive MT-SMS service profile.

Page 1 displays summary measurements associated with each MAP service.

Page 2 displays measurements for each profile associated with a MAP service.

When a profile is specified Page 2 measurements are displayed.

When measurements are reset values and the measurement period are set to zero. Individual profile measurements are only reset when the profile id is specified as well as the reset field otherwise the counters for the per service measurement summary are reset.

Syntax

MSTRP:[RESET=,][PAGE=,|PROFILE=,];

Web Management Location

System Administration > MAP Services > SMS > MT-SMS Rx > Stats

Applicability

Operating Modes: SWS

Permissions: Configuration Read Access

Example

MSTRP;

MSTRP:PAGE=2;

MSTRP:PROFILE=2;

MSTRP:RESET=Y;

Output format

```
MAP MT-SMS Rx Measurements (Page 1 or 2)
MAP_SERVICE               SUCCESS FAIL   PERIOD
Mobile_Term_RX_Req        23      1      01:29:16

MAP MT-SMS Rx Measurements (Page 2 or 2)
```

```
PROFILE  MAP_SERVICE               SUCCESS FAIL   PERIOD
0        Mobile_Term_RX_Req        23      1      01:29:16
```

The meaning of each field in the output is as follows:

PROFILE - A profile associated with the MAP service.

MAP_SERVICE - The MAP service.

SUCCESS - Count of successes.

FAIL - Count of failures.

PERIOD - Time since measurements for the service were last reset.

3.27 MSTTP - MAP MT-SMS Tx Measurements

Command to display traffic measurements associated with MAP Transmit MT-SMS Services.

Page 1 displays summary measurements associated with each MAP service.

Page 2 displays measurements for each profile associated with a MAP service.

When a profile is specified Page 2 measurements are displayed.

When measurements are reset values and the measurement period are set to zero. Individual profile measurements are only reset when the profile id is specified as well as the reset field otherwise the counters for the per service measurement summary are reset.

Syntax

MSTTP:[RESET=,][PAGE=,|PROFILE=,];

Web Management Location

System Administration > MAP Services > SMS > MT-SMS Tx > Stats

Applicability

Operating Modes: SWS

Permissions: Configuration Read Access

Example

MSTTP;

MSTTP:PAGE=2;

MSTTP:PROFILE=2;

MSTTP:RESET=Y;

Output format

```
MAP MT-SMS Tx Measurements (Page 1 or 2)
MAP_SERVICE               SUCCESS FAIL   PERIOD
Mobile_Term_TX_Req        23      1      01:29:16
Send_Routing_Info_for_SM  0       0      01:29:16
Report_Delivery_SM        0       0      01:29:16
Atomic_Mobile_Term_TX_Req 0       0      01:29:16

MAP MT-SMS Tx Measurements (Page 2 or 2)
```

```
PROFILE  MAP_SERVICE                SUCCESS FAIL   PERIOD
0        Mobile_Term_TX_Req         23      1      01:29:16
0        Send_Routing_Info_for_SM   0       0      01:29:16
0        Report_Delivery_SM         0       0      01:29:16
0        Atomic_Mobile_Term_TX_Req  0       0      01:29:16
```

The meaning of each field in the output is as follows:

PROFILE - A profile associated with the MAP service.

MAP_SERVICE - The MAP service.

SUCCESS - Count of successes.

FAIL - Count of failures.

PERIOD - Time since measurements for the service were last reset.

3.28 MSUPP - MAP USSD Measurements

Command to display traffic measurements associated with MAP USSD Services.

Page 1 displays summary measurements associated with each MAP service.

Page 2 displays measurements for each profile associated with a MAP service.

When a profile is specified Page 2 measurements are displayed.

When measurements are reset values and the measurement period are set to zero. Individual profile measurements are only reset when the profile id is specified as well as the reset field otherwise the counters for the per service measurement summary are reset.

Syntax

MSUPP:[RESET=,][PAGE=,|PROFILE=,];

Web Management Location

System Administration > MAP Services > USSD > USSD > Stats

Applicability

Operating Modes: SWS

Permissions: Configuration Read Access

Example

MSUPP;

MSUPP:PAGE=2;

MSUPP:PROFILE=2;

MSUPP:RESET=Y;

Output format

```
MAP USSD Measurements (Page 1 or 2)
MAP_SERVICE                SUCCESS FAIL   PERIOD
USSD_Mobile_Init_Sessions  55      4      01:00:00
USSD_App_Init_Sessions     44      1      01:00:00
USSD_Notify_Request        54345   0      01:00:00
```

```
MAP USSD Measurements(Page 2 or 2)
PROFILE  MAP_SERVICE               SUCCESS FAIL   PERIOD
0        USSD_Mobile_Init_Sessions  55     4      01:00:00
0        USSD_App_Init_Sessions     44     1      01:00:00
0        USSD_Notify_Request        54345  0      01:00:00
```

The meaning of each field in the output is as follows:

PROFILE - A profile associated with the MAP service.

MAP_SERVICE - The MAP service.

SUCCESS - Count of successes.

FAIL - Count of failures.

PERIOD - Time since measurements for the service were last reset.

3.29 Superseded Command Cross Reference

This section lists the commands described in this document and identifies the commands that are no longer supported but prior to Release 1.3 were used to achieve similar functionality.

Pre Release 1.3.0 command	New Command (from Release 1.3.0)
MALBP - MAP LBS Services Configuration MALBS - MAP LBS Services Set	MASPC - MAP Subscriber Profiling Profile Change MASPE - MAP Subscriber Profiling Profile End MASPI - MAP Subscriber Profiling Profile Initiate MASPP - MAP Subscriber Profiling Profile Configuration
MARSP - MAP Ready for SM Configuration MARSS - MAP Ready for SM Set	MARTC - MAP Ready for SM Tx Profile Change MARTE - MAP Ready for SM Tx Profile End MARTI - MAP Ready for SM Tx Profile Initiate MARTP - MAP Ready for SM Tx Profile Configuration
MASMP - MAP SMS Services Configuration MASMS - MAP SMS Services Set	MAORC - MAP MO-SMS Rx Profile Change MAORE - MAP MO-SMS Rx Profile End MAORI - MAP MO-SMS Rx Profile Initiate MAORP - MAP MO-SMS Rx Profile Configuration MAOTC - MAP MO-SMS Tx Profile Change MAOTE - MAP MO-SMS Tx Profile End MAOTI - MAP MO-SMS Tx Profile Initiate MAOTP - MAP MO-SMS Tx Profile Configuration MATRC - MAP MT-SMS Rx Profile Change MATRE - MAP MT-SMS Rx Profile End MATRI - MAP MT-SMS Rx Profile Initiate MATRP - MAP MT-SMS Rx Profile Configuration MATTC - MAP MT-SMS Tx Profile Change MATTE - MAP MT-SMS Tx Profile End MATTI - MAP MT-SMS Tx Profile Initiate
MAUSP - MAP USSD Services Configuration MAUSS - MAP USSD Services Set	MAUPC - MAP USSD Profile Change MAUPE - MAP USSD Profile End MAUPI - MAP USSD Profile Initiate MAUPP - MAP USSD Profile Configuration
MSLBP - MAP LBS Web Services Measurements	MSSPP - MAP Subscriber Profiling Measurements
MSSMP - MAP Ready for SM Measurements	MSRTP - MAP Ready for SM Tx Profile Measurements
MSSMP - MAP SMS Web Services Measurements	MSORP - MAP MO-SMS Rx Measurements MSOTP - MAP MO-SMS Tx Measurements MSTRP - MAP MT-SMS Rx Measurements MSTTP - MAP MT-SMS Tx Measurements
MSUSP - MAP USSD Services Measurements	MSUPP - MAP USSD Measurements