

Function Specification Multi Service Consumer Common Data Ericsson Dynamic Activation 1

FUNCTION SPECIFICATION

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1 Introduction

This section contains information about the purpose, scope, and target group for the document.

1.1 Purpose and Scope

This document gives a brief introduction to Multiple Service Consumer Common Data provisioning solution, provided by Ericsson™ Dynamic Activation (EDA).

1.2 Target Group

The target group for this document is as follows:

- Application Administrator
- Marketing
- Network Administrator
- System Administrator
- Network Supervision Administrator
- Application Designer

For more information regarding the different target groups, see *Library Overview* Reference [1].

1.3 Typographic Conventions

Typographic conventions are described in *Library Overview* Reference [1].



2 Multi Service Common Data Provisioning Solution

2.1 Overview

Multi Service Consumer contains multiple services. There are some common data to be synchronized among multiple services, and EDA supports this kind of provisioning via the `MultiSCCat` CAI3G interface.

The following common data is supported:

- `NetworkAccessMode`: `NetworkAccessMode` is used to determine the Mode of the Network Access. Currently CSPA and EPS services are affected. In future this feature might be extended to other services.
- `AdminUserDisable`: `AdminUserDisable` function is a subscriber or user level function that causes an immediate and subsequent cessation of all network service. Currently EPS service is affected. In future this feature might be extended to other services.

CAI3G interface parameter mapping is shown in the following table:

Table 1 Mapping Relationship of CAI3G Interface Parameters

MOType	MultiSCCat @http://schemas .ericsson.com/pg/ cudb/1.0/	EPSMultiSC @http: //schemas.ericsson .com/ma/HSS/	Subscription @http://schemas.e ricsson.com/ema/ UserProvisioning/ GsmHlr/
Attribute	AdminUserDisable	epsAdminDisable	N/A
	NetworkAccessMode	epsNam	nam

An overview of the provisioning flow for `MultiSCCat` is shown in Figure 1.

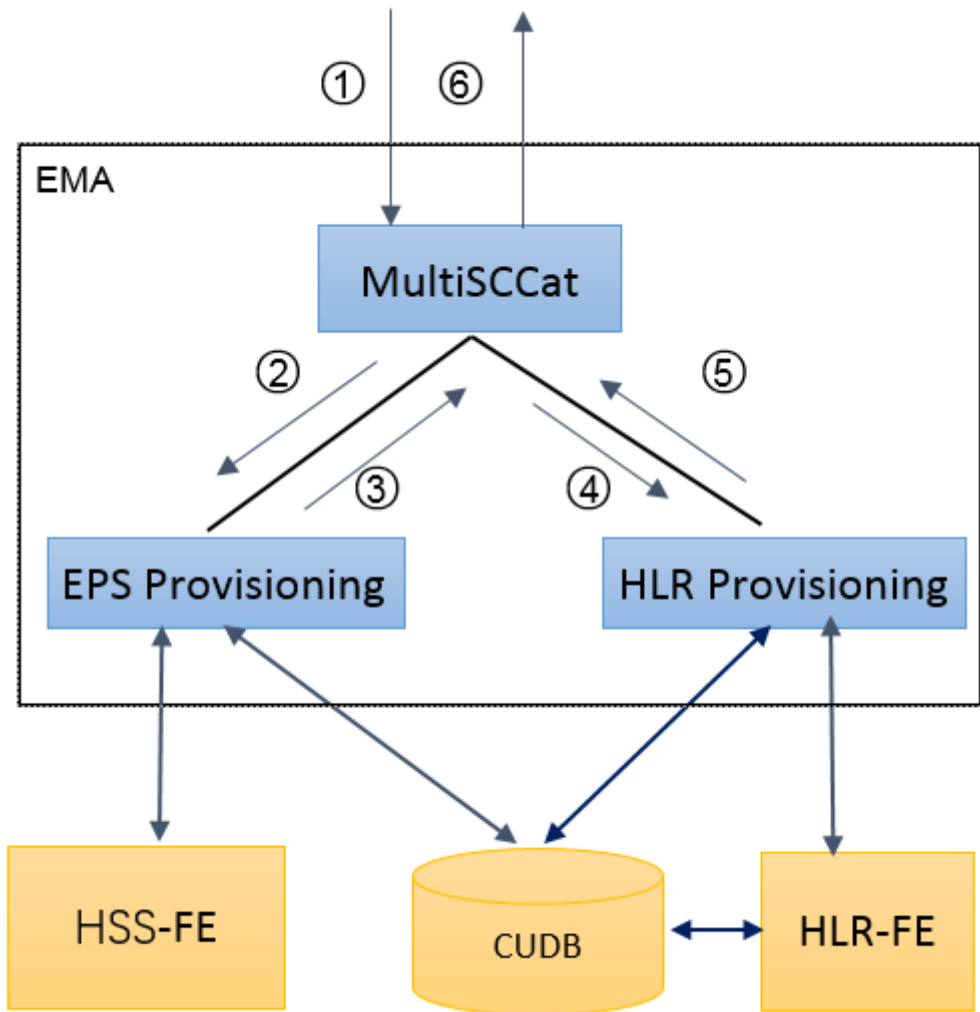


Figure 1 Provisioning Flow for Subscriber Provisioning

The MultiSCCat subscriber provisioning workflow procedure is as follows:

1. A provisioning MultiSCCat request is received and its syntax is validated. MultiSCCat checks existing services and decides to execute corresponding operation on the existing services.
2. An EPS provisioning request is received and its syntax is validated. For detailed steps of EPS provisioning, refer to *Function Specification Layered LTE EPC*, Reference [2].
3. A response is sent back to the MultiSCCat.
4. An HLR provisioning request is received and its syntax is validated. For detailed steps of HLR provisioning, refer to *Function Specification Layered HLR*, Reference [3].
5. A response is sent back to MultiSCCat.



6. The `MultiSCCat` response message is sent back.

Note: The `Get` operation of `MultiSCCat` provisioning interacts with CUDB directly.

The Fault Tolerant function is supported in the `Set` operation. When the `Set` operation fails, the same request can be re-sent.

2.2 Multi Service Common Data Provisioning

CAI3G is offered for the provisioning of Multiple Service Consumer Common Data. Through the CAI3G provisioning interface, it is possible to perform the following Customer Service Orders (CSOs):

- `Get MultiSCCat`
- `Set MultiSCCat`



Reference List

Ericsson Documents

- [1] *Library Overview*, 18/1553-CSH 109 628 Uen
- [2] *Function Specification Layered LTE EPC*, 5/155 17-CSH 109 628 Uen
- [3] *Function Specification Layered HLR*, 4/155 17-CSH 109 628 Uen