

# SAPC Massive Operations over CLI

## Ericsson Dynamic Activation 1

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### INTERFACE DESCRIPTION

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# 1 Introduction

This document covers the massive operations available through the Ericsson™ Dynamic Activation (EDA) Command Line Interface (CLI) for Service-Aware Policy Controller (SAPC) data.

**Note:** This function is only supported for layered SAPC.

## 1.1 Purpose and Scope

This document describes SAPC conditional search commands.

How to use these commands is covered in the document *Generic CLI Interface Specification*, Reference [1].

## 1.2 Target Group

The target group for this document is as follows:

- System Integrator

For more information regarding the different target groups, see *Library Overview*, Reference [2].

## 1.3 Typographic Conventions

Typographic conventions are described in the document *Library Overview*, Reference [2].

For information about abbreviations used throughout this document refer to *Glossary of Terms and Acronyms*, Reference [3].





## 2 SAPC Conditional Search Command

This section covers all SAPC conditional search commands through the Dynamic Activation CLI. All conditional search commands generate response files, rather than printing the answer directly to the client.

The following SAPC search command is available:

- Print Families and Corresponding Subscribers (PCMSFMP), see Section 2.1 on page 3

### 2.1 Print Families and Corresponding Subscribers (PCMSFMP)

The PCMSFMP command supports massive print of the SAPC subscriptions and the SAPC families.

#### 2.1.1 PCMSFMP Request

Command syntax:

```
PCMSFMP [:FAMILYID=familyid];
```

#### Examples of the PCMSFMP command

```
PCMSFMP;
```

This CLI command prints the identifiers of all families and the identifiers of their respective subscribers.

```
PCMSFMP:FAMILYID=family1234;
```

This CLI command prints the identifiers of all subscribers that belong to the family with identifier `family1234`.

The following table covers the attribute that can be used in a PCMSFMP request.

*Table 1 Command Attribute*

Attribute	Type	Occurrence	Description
FAMILYID	String Min Length = 1 Max. Length = 32	Optional	The identifier of the family



## 2.1.2 PCMSFMP Result File Schema

Example 1 is an example of the result file schema for PCMSFMP:

```
<?xml version="1.0" encoding="UTF-8"?>
<xs:schema xmlns:xs="http://www.w3.org/2001/XMLSchema"
  targetNamespace="http://schemas.ericsson.com/ma/SAPC/" elementFormDefault="qualified"
  attributeFormDefault="qualified">
  <xs:element name="SAPCFamilyMemberData">
    <xs:complexType>
      <xs:sequence>
        <xs:element name="SAPCFamily" minOccurs="0" maxOccurs="unbounded">
          <xs:complexType>
            <xs:sequence>
              <xs:element name="pcFamilyId" type="xs:string" />
              <xs:element name="pcSubscriberId" type="xs:string" minOccurs="0" maxOccurs="unbounded"/>
            </xs:sequence>
          </xs:complexType>
        </xs:element>
      </xs:sequence>
    </xs:complexType>
  </xs:element>
</xs:schema>
```

*Example 1 PCMSFMP Result File Schema*

The following table covers the attributes that can be received in a PCMSFMP response.

*Table 2 Result Attributes*

Attribute	Type	Occurrence	Description
pcFamilyId	String Min Length = 1 Max. Length = 32	Mandatory	The identifier of the family to which the subscribers belong
pcSubscriberId	String Min Length = 1 Max. Length = 32	Optional (0-n)	The identifier of the subscriber





## 3 Faults or Errors

The CLI error codes can appear both directly in the prompt, and in the result files. Besides the generic and common error codes, the CLI commands can also return some more specific error codes.

### 3.1 General CLI Errors

The following table covers Dynamic Activation internal error codes. They can appear in any CLI responses.

*Table 3 General Dynamic Activation Internal Error Codes*

Error Code	Error Message
1001	Invalid resource.
1002	Invalid XPath.
1003	Unrecognized namespace. No data view associated.
1004	Access denied. Invalid principal or credentials.
1005	Not authorized to perform current operation on selected data view.
1006	Invalid parameter.
1007	The XPath failed to match any data in the processed XML.
1008	Failed to provision data.
1009	Unsupported operation.
1093	Could not process request because of limit of maximum number of concurrent ongoing CLI transactions reached.
1095	Communication error while interacting with a Network Element.
1096	Time-out expired during wait for answer from Network Element.
1097	Failure during processing of the request.
1098	Could not process request because of resource limitation.
1099	System error.
1100	Execution was canceled.
1101	External error.
1103	License error.

### 3.2 Command Mapped Errors

This section covers SAPC provisioning interface errors that are mapped towards certain commands. The commands listed in this section can be assumed to be stopping, unless "(not stopping)" is stated. They are listed in the following table along with the commands that can return them.



*Table 4 Command Mapped Errors*

Error Code	Error Message	Command
17007	FAMILY NOT DEFINED	PCMSFMP



## Reference List

### **Ericsson Documents**

- [1] *Generic CLI Interface Specification*, 15/155 19-CSH 109 628 Uen
- [2] *Library Overview*, 18/1553-CSH 109 628 Uen
- [3] *Glossary of Terms and Acronyms*, 0033-CSH 109 628 Uen