

CSCF User Subscribed Media Profile Id Not Defined

Call Session Control Function

OPERATING INSTRUCTIONS

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Contents

1	Introduction	1
1.1	Alarm Description	1
1.2	Prerequisites	3
2	Procedure	5



CSCF User Subscribed Media Profile Id Not Defined



1 Introduction

This instruction concerns alarm handling.

1.1 Alarm Description

The threshold alarm `CSCF User Subscribed Media Profile Id Not Defined` is issued when the Subscribed Media Profile Identifier (SMP ID), included in the user profile of a user, is not configured in the Call Session Control Function (CSCF), or not correct in the Home Subscriber Server (HSS) configuration.

The alarm is associated to the Performance Management counter `cscfSmpIdNotFound`.

There is a counter for the number of times that the Media Authorization function in the Serving Call Session Control Function (S-CSCF) cannot find an entry in the S-CSCF configuration database for a given SMP ID. The alarm is raised when the counter `cscfSmpIdNotFound` has reached or exceeded its configured `thresholdHigh` within the time period configured by `thresholdRateOfVariation` and `granularityPeriod`.

The alarm is automatically ceased when it reaches or goes below the configured `thresholdLow` value.

The default values related to this alarm are: `thresholdRateOfVariation=PER_GP`, `granularityPeriod=FIVE_MIN`, `thresholdHigh=2`, and `thresholdLow=0`. This means that when the counter value is 2 or higher, the alarm is raised when the granularity period is ended. The alarm is ceased when the counter `cscfSmpIdNotFound` has reached a value of 0 at the end of a granularity period.

Note: The thresholds for raising and ceasing this alarm are configurable. The default distinguished name for the thresholds is `ManagedElement=<node_name>, SystemFunctions=1, Pm=1, PmJob=CscfSessionThreshold, MeasurementReader=cscfSmpIdNotFoundMeasReader, PmThresholdMonitoring=cscfSmpIdNotFound`.

It is not possible to change threshold values once they have been set. To change a threshold, first the `PmThresholdMonitoring` instance must be deleted and recreated with required `thresholdHigh` and `thresholdLow`.

For more information, refer to *Performance Management*.



The possible alarm causes and the corresponding fault reasons, fault locations, and impacts are described in Table 1.

Table 1 Alarm Causes

Alarm Cause	Description	Fault Reason	Fault Location	Impact
The PM counter <code>cscfSmpIdNotFound</code> has reached or exceeded its configured upper threshold value.	The number of times it is detected that a provisioned SMP ID, that is not configured in S-CSCF during a granularity period, has reached or exceeded the configured threshold.	The provisioned user profile data in HSS and the S-CSCF configuration data are not synchronized.	The subscriber media profile configuration is either missing in S-CSCF or incorrectly provisioned in HSS.	The optional HSS provisioned SMP ID in the user profile is not used by the Subscriber Media Profile policy handling in S-CSCF. This means that no media authorization is done for these users, resulting in that all media being granted.

Note: An alarm can appear as a result of maintenance activity.

The alarm attributes are listed and explained in Table 2.

Table 2 Alarm Attributes

Attribute Name	Attribute Value
Major Type	193
Minor Type	6684685
Managed Object Class	MeasurementReader
Managed Object Instance	ManagedElement=<node_name>, SystemFunctions=1, Pm=1, PmJob=CscfSessionThreshold, MeasurementReader=cscfSmpIdNotFoundMeasReader
Specific Problem	CSCF User Subscribed Media Profile Id Not Defined
Event Type	processingError (4)
Probable Cause	x733ConfigurationOrCustomization Error (307)



Attribute Name	Attribute Value
Additional Text	cscfSmpIdNotFound. There is no SMP Id defined. Add Subscribed Media Profile Id to the configuration database
Perceived Severity	minor (5)

1.2 Prerequisites

This section provides information on the documents, tools, and conditions that apply to the procedure.

1.2.1 Documents

This instruction references the following documents:

- *Performance Management*
- *Managed Object Model (MOM)*

1.2.2 Tools

No tools are required.

1.2.3 Conditions

No conditions.





2 Procedure

Note: If the reason for the alarm has disappeared after the granularity period, the alarm automatically ceases.

Do the following:

1. Check if the provisioning in HSS is incorrect or if the SMP ID is missing in the S-CSCF configuration.
2. If the SMP ID is missing in the S-CSCF, add an SMP ID, which matches the `HSS-SubscribedMediaProfile` of the user profile in the HSS, to the CSCF configuration database:

To do this, add a new `cscfSmpAuthorizationPolicyEntry` named `cscfSmpAuthorizationPolicyId=<n>` where `<n>` corresponds to the `HSS-SubscribedMediaProfile`, which is configured for the specific user in the HSS.

3. If provisioned SMP ID is not to be provisioned in HSS, change or delete the SMP ID indicated in `HSS-SubscribedMediaProfile` so that it is aligned with the configuration in the CSCF.
4. If the cause is that the alarm threshold is set too low, adjust the alarm threshold.
5. Confirm that the alarm has ceased. If the alarm remains, consult the next level of maintenance support. Further actions are outside the scope of this instruction.
6. Job is completed.