

CSCF, Reference to non-existing End-Of-Selection Case Detected

Call Session Control Function

OPERATING INSTRUCTIONS

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CSCF, Reference to non-existing End-Of-Selection Case Detected



1 Introduction

This instruction concerns alarm handling.

1.1 Alarm Description

The threshold alarm `CSCF, Reference to non-existing End-Of-Selection Case Detected` is issued when several non-existing End-of-Selection (EOS) Case Detections are received during traffic.

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

The alarm is raised when the number of non-conformant EOSs 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=1`, and `thresholdLow=0`. This means that when the counter value is 1 or higher, the alarm is raised when the granularity period is ended. The alarm is ceased when the counter `cscfNonConfEosCase` 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=CscfEndOfSelectionThreshold`, `MeasurementReader=cscfNonConfEosCaseMeasReader`, `PmThresholdMonitoring=cscfNonConfEosCase`.

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*.

At initialization of the alarm, EOS analysis for this call or session is ended and normal CSCF error handling takes place.

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>cscfNonConfEosCase</code> has reached or exceeded its configured upper threshold value.	Several non-existing EOS Case Detections are received during traffic.	The referenced EOS case does not exist.	Possible EOS table erroneous configuration.	At initialization of the alarm, EOS analysis for this call or session is ended and normal CSCF error handling takes place.

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	6684702
Managed Object Class	MeasurementReader
Managed Object Instance	ManagedElement=<node_name>, SystemFunctions=1, Pm=1, PmJob=CscfEndOfSelectionThreshold, MeasurementReader=cscfNonConfEosCaseMeasReader
Specific Problem	CSCF, Reference to non-existing End-Of-Selection Case Detected
Event Type	processingError (4)
Probable Cause	x733ThresholdCrossed (351)
Additional Text	The PM counter <code>cscfNonConfEosCase</code> is keyed with both SUM and individual EOS Cases. The EOS Case indicated by the individual key does not exist.
Perceived Severity	major (4)



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:

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

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. The specific EOS Cases that are being referenced by applications are identified from the non-sum keys of the PM measurement `cscfNonConfEosCase`.
2. Verify that the intended EOS Case name to be used is not misspelled as a `cscfEosCaseTableEntryId` parameter in `cscfEosCaseTableId` and correct it if applicable.
3. If the indicated EOS Case name is valid and is to be used but does not exist as a `cscfEosCaseTableEntryId` in `cscfEosCaseTableId`, configure the indicated EOS Case name and associated parameters in `cscfEosCaseTableId`. Alternatively, if the indicated EOS Case name is invalid, or has been previously removed from `cscfEosCaseTableId`, remove the indicated EOS Case name from the application configuration.
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 reoccurs, consult the next level of maintenance support. Further actions are outside the scope of this instruction.
6. Job is completed.