

MMAS, CPU Load Limit Exceeded

OPERATING INSTRUCTIONS

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MMAS, CPU Load Limit Exceeded



1 Introduction

This instruction concerns alarm handling.

1.1 Alarm Description

The alarm is raised by the Multimedia Application Server (MMAS) as part of overload protection when the CPU load use exceeds a configured threshold value.

The possible alarm causes and fault locations are explained in Table 1.

Table 1 Alarm Causes

Alarm Cause	Description	Fault Reason	Fault Location	Impact
CPU load exceeds upper threshold value	CPU load use exceeds the upperThreshold Value threshold value	System is not dimensioned to handle the engineered capacity	CPU	A 503 Service Unavailable HTTP error containing a Retry-After header using the retryAfterInterval attribute value

The alarm attributes are listed and explained in Table 2.

Table 2 Alarm Attributes

Attribute Name	Attribute Value
Major Type	193
Minor Type	835885159
Managed Object Class	<i>MmasCpuMonitoring</i>
Managed Object Instance	ManagedElement=<node_name>,Mmas=1,MmasMonitoring=1,MmasCpuMonitoring=1
Specific Problem	MMAS, CPU Memory Load Limit Exceeded
Event Type	processingErrorAlarm (4)
Probable Cause	x736UnspecifiedReason (418)
Additional Text	⁽¹⁾
Perceived Severity	critical (3)

(1) No additional text exists.



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 document:

- *Data Collection Guideline*

1.2.2 Tools

No tools are required.

1.2.3 Conditions

Before starting this procedure, ensure that the following conditions are met:

- An MMAS, CPU Load Limit Exceeded alarm is raised.
- An Ericsson Command-Line Interface (ECLI) session in Exec mode is in progress.

2 Procedure

Do the following:

1. Navigate to the *MmasCpuMonitoring* managed object, for example:

```
>dn ManagedElement=NODE06ST,Mmas=1,MmasMonitoring=1,MmasCpuMonitoring=1
```

2. View the CPU overload protection configuration:

```
(MmasCpuMonitoring=1) > show
```

The following is an example output:



```
MmasCpuMonitoring=1
  activationAlgorithm=CONSECUTIVE
  deactivationAlgorithm=MEAN
  enable=true
  lowerThresholdValue=85
  maxLowerThresholdValue=92
  maxSamplingRate=10
  maxUpperThresholdValue=94
  measuringPeriod=100
[... ]
  upperThresholdValue=90
```

3. Provide configuration information and order the planning department to replan the setting.
4. Perform data collection, refer to *Data Collection Guideline*.
5. Consult the next level of maintenance support. Further actions are outside the scope of this instruction.
6. Job is completed.