

vDicos, Diameter Link Disabled

C-Diameter

OPERATING INSTRUCTIONS

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vDicos, Diameter Link Disabled



1 Alarm Description

The alarm is raised when the relevant Diameter connection is disabled.

Table 1 vDicos, Diameter Link Disabled Alarm Causes

Alarm Cause	Description	Fault Reason	Fault Location	Impact
Link disabled by O&M.	The Diameter connection is disabled by OAM.	The link is administratively disabled or a new link is created (disabled by default).	Own node	No traffic flow through the disabled link.

The alarm is cleared if the relevant Diameter connection is enabled by the operator.

The alarm is also cleared automatically if one of the following alarms is raised:

— vDicos, Diameter Peer Node Disabled

Alarms for connections to the peer node are cleared and a new alarm is raised for the peer node.

— vDicos, Diameter Own Node Disabled

Alarms for connections (and peer nodes) related to the own node are cleared and a new alarm is raised for the own node.



vDicos, Diameter Link Disabled



2 Procedure

2.1 Handle Alarm vDicos, Diameter Link Disabled

Prerequisites

- This instruction references the following documents:
 - C-Diameter Trouble Report and Support Case Writing Guideline
- No tools are required.
- The following conditions must apply:
 - The alarm is raised.
 - Diameter configuration data are correctly defined.
 - An Ericsson Command-Line Interface (ECLI) session in Exec mode is in progress.

Steps

1. Contact the network or node administrator. Is the connection administratively disabled for maintenance reasons?

Yes: Proceed with Step 10.

No: Continue with the next step.

2. Navigate to the **DIA-CFG-Conn** Managed Object (MO), for example:

```
>dn ManagedElement=NODE06ST,XYZFunction=xyz,DIA-CFG-Application=DIA,DIA-CFG-StackContainer=abc,DIA-CFG-PeerNodeContainer=abc,DIA-CFG-NeighbourNode=node12.ericsson.com\23abc,DIA-CFG-Conn=abc\23node12.ericsson.com\23conn1
```

Replace the key of the DIA MOs with the `stackId`, `hostId` and `connId` values of the alarm attributes.

3. Enable the outgoing connection:

```
(DIA-CFG-Conn=abc\23node12.ericsson.com\23conn1)>configure
```

```
(config-DIA-CFG-Conn=abc\23node12.ericsson.com\23conn1)>enable  
d=true
```

```
(config-DIA-CFG-Conn=abc\23node12.ericsson.com\23conn1)>commit
```

4. Verify the setting:



```
(DIA-CFG-Conn=abc\23node12.ericsson.com\23conn1)>show enabled
```

The following is an example output:

```
enabled=true
```

5. Check the link status:

```
(DIA-CFG-Conn=abc\23node12.ericsson.com\23conn1)>show linkStatus
```

The following is an example output:

```
linkStatus=Up
```

6. Is the connection established?

Yes: Proceed with Step 7.

No: Proceed with Step 8.

7. Is the alarm cleared?

Yes: Proceed with Step 10.

No: Continue with the next step.

8. Perform data collection, refer to [C-Diameter Trouble Report and Support Case Writing Guideline](#).

9. Consult the next level of maintenance support. Further actions are outside the scope of this instruction.

10. Job is completed.