

SS7 CAF Low Link Availability

OPERATING INSTRUCTION

Copyright

© Ericsson AB 2009-2010, 2013. All rights reserved. No part of this document may be reproduced in any form without the written permission of the copyright owner.

Disclaimer

The contents of this document are subject to revision without notice due to continued progress in methodology, design and manufacturing. Ericsson shall have no liability for any error or damage of any kind resulting from the use of this document.



Contents

| | | |
|----------|------------------|----------|
| 1 | Overview | 1 |
| 1.1 | Description | 1 |
| 1.2 | Prerequisites | 1 |
| 2 | Procedure | 3 |





1 Overview

1.1 Description

The alarm is issued when the number of links in a route falls below the threshold value for `Link low availability`.

| | |
|-------------------------|-----------------------|
| Major type | 193 |
| Minor type | 1586562654 |
| MO Class | N/A |
| Specific Problem | Low Link Availability |
| Severity | SEVERITY_WARNING |

The possible causes are as follows:

- The number of links has fallen below the threshold value for `Link low availability` because a number of links have been inhibited or are out of service.

As a result of the fault, the route does not have the expected number of available links.

1.2 Prerequisites

1.2.1 Documents

Before starting this procedure, make sure that you have read the following documents:

- "Fault Management User Guide" (24/1553-APR 901 0315/2 Uen)
- "Configuring SS7, System Components" (7/1543-CNA 403 0874/1 Uen)

1.2.2 Tools

Not applicable.

1.2.3 Conditions

Not applicable.





2 Procedure

Perform the following steps:

1. Get status for each link. In Signalling Manager (SM) expand **Signaling System** and select a link.
2. Click **Actions** , select **M3-Link State** and click **Send** . Find the result in **Action Results** .
3. If a link is **Locally Inhibited** , click **Actions** , select **M3-Link Uninhibit** and click **Send** .
4. Verify that the link is in service. Click **Actions** , select **M3-Link Status** and click **Send** .
5. Repeat Step 1 to Step 4 for all links and all **Local SPCs** .
6. Get status for all links. Click **Actions** , select **M3** and **M3-Status of all Links** , click **Send** . Find the result in **Action Results** .
7. If links are **Out of Service (S01)** or **Aligning (S03)** , return them back into service. Click **Actions** , select **Normal Link Activation** and click **Send** . Perform this procedure for each link.
8. If this alarm occurs frequently, amend links to handle additional capacity.
9. If the number of links is successfully increased and the backlog is cleared, the alarm is also cleared.

If the alarm does not cease, consult the next level of maintenance support. Further actions are outside the scope of this Operating Instruction.