

# SS7 CAF Link out of service

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## OPERATING INSTRUCTION

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# 1 Overview

## 1.1 Description

The alarm is issued when a link is out of service.

<b>Major type</b>	193
<b>Minor type</b>	1586562564
	1586562651
<b>MO Class</b>	N/A
<b>Specific Problem</b>	Link Out of Service (1586562564)
	Link Unavailable for UP (1586562651)
<b>Severity</b>	SEVERITY_MAJOR (1586562564)
	SEVERITY_WARNING (1586562651)

The possible causes are as follows:

- A result of an error that has occurred in M3 or lower layer.
- The hardware is faulty.
- The signalling link has been blocked or inhibited.

As a result of the fault, the link is out of service.

Traffic carried by the link is transferred to one or more alternative links by means of a changeover procedure.

## 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

The link is automatically restarted by M3. This is a timer-controlled process and the link should come back into service.

Perform the following steps:

1. If the link does not come back into service automatically within two minutes, check cables, connections and SS7 boards.

When working with plug-in units, use an ESD wrist strap to avoid ESD damage. Connect the free end of the strap cable to the ground connection point in the upper part of the cabinet. Remove ESD wrist strap when finished.

2. Check to see if there are any "Remote Processor Outage" alarms regarding the SS7 processor and solve those alarms.
3. Check in Signaling Manager to verify that the NMM process is up and running. In Signaling Manager click **Tools** in the Menu bar, select **Process View...** to open Signaling Stack Process View dialogue box.

If the NMM process is down, consult next level of maintenance support. Further actions are outside the scope of this Operating Instruction.

4. Check that adjacent node is working correctly by contacting the operator of adjacent node.
5. When the link is restarted by M3, and the backlog is cleared, the alarm is cleared.

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