

# Start Geographical Redundancy

Ericsson Service-Aware Policy Controller

## OPERATING INSTRUCTION

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Start Geographical Redundancy



# 1 Introduction

This document describes how to start geographical redundancy in the SAPC. To do this, start Preferred SAPC as Active and Non-Preferred as Standby.

## 1.1 Prerequisites

This section provides information of the prerequisites which must be fulfilled before using the procedure.

The following conditions must apply:

- Understand geographical redundancy functionality.
- Both SAPCs are in Initial state.





## 2 Procedure

### 2.1 Start Preferred as Active

To start Preferred as Active, do the following:

1. Connect to the Preferred SAPC and open an Ericsson Command-Line Interface (CLI) session:

2. Navigate to class `GeoRedManager` object:

```
>dn ManagedElement=1,PolicyControlFunction=1,GeoRedManager=1
```

3. Execute start action:

```
(ManagedElement=1,PolicyControlFunction=1,GeoRedManager=1)>
start --state Active
```

If action was successfully executed, alarms Policy Control, Geographical Redundancy Unable To Reach Peer and DBS, NR, Initial Synchronization Needed raise until Non-Preferred is started.

4. Verify the result:

```
(ManagedElement=1,PolicyControlFunction=1,GeoRedManager=1)>show
```

**Note:** Since this is a long-running operation, it can be required to enter show command several times until the final operation result is shown in the progress report.

When the operation is successfully executed, it shows the following values:

```
lastOperationExecuted=START
```

```
lastOperationResult=ACTION_RESULT_OK
```

To check the status of the node, verify that the attribute `currentState` is `Active`.

If an error occurs during the execution of the operation, it shows the following values:

```
lastOperationExecuted=START
```

```
lastOperationResult=ACTION_RESULT_NOT_OK
```

Attribute `lastOperationDetailedInfo` shows information about the error. It can take one of these values:

— Already in Active state



- Not possible to execute start action from <state> state
- Parameter state missing

## 2.2 Start Non-Preferred as Standby

To start Non-Preferred as Standby, do the following:

1. Connect to the Non-Preferred SAPC and open an Ericsson Command-Line Interface (CLI) session.
2. Navigate to class `GeoRedManager` object:

```
>dn ManagedElement=1,PolicyControlFunction=1,GeoRedManager=1
```

3. Execute start action:

```
(ManagedElement=1,PolicyControlFunction=1,GeoRedManager=1)>  
start --state Standby
```

If action was successfully executed, alarms `Policy Control`, `Geographical Redundancy Unable To Reach Peer` and `DBS, NR, Initial Synchronization Needed` are cleared when both peers are synchronized.

4. Verify the result:

```
(ManagedElement=1,PolicyControlFunction=1,GeoRedManager=1)>show
```

**Note:** Since this is a long-running operation, it can be required to enter `show` command several times until the final operation result is shown in the progress report.

When the operation is successfully executed, it shows the following values:

```
lastOperationExecuted=START
```

```
lastOperationResult=ACTION_RESULT_OK
```

To check the status of the node, verify that the attribute `currentState` is `Standby`.

If an error occurs during the execution of the operation, it shows the following values:

```
lastOperationExecuted=START
```

```
lastOperationResult=ACTION_RESULT_NOT_OK
```

Attribute `lastOperationDetailedInfo` shows information about the error. It can take one of these values:

- Already in Standby state





- Not possible to execute start action from <state> state
- Parameter state missing