

# Start Active-Standby Geographical Redundancy

Ericsson Service-Aware Policy Controller

Operating Instructions

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# 1 Description

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

## 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.
- Geographical redundancy license is active.



## 2 Procedure

### 2.1 Start Preferred as Active

To start the Preferred SAPC as Active, do the following:

#### Steps

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 the Non-Preferred SAPC 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 Preferred SAPC, 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
- Geographical Redundancy without license

## 2.2 Start Non-Preferred as Standby

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

### Steps

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 Non-Preferred SAPC, 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