

## Configuration information

Procedure	Procedure version	Date changed	Block	
Reconnect	3.2	28 Sept 2007	3	

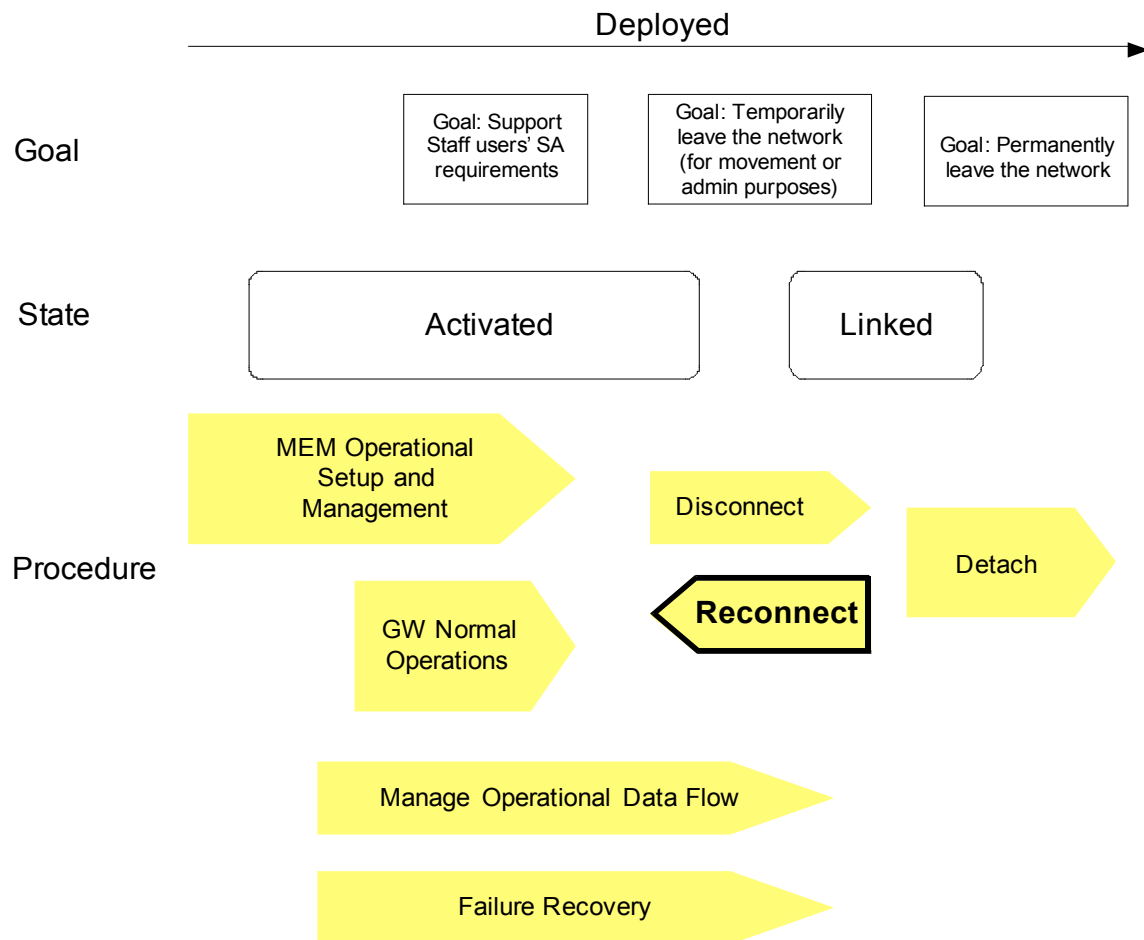
## Procedure overview

<b>Aim</b>	Place the GW into a state of service after being in a non-service state (e.g. for administrative purposes or movement).
<b>Initial state</b>	GW is a state providing no services.  GW is in state 'Linked'.
<b>End state</b>	GW is placed into a state that provides services.  GW is in state 'Activated'.
<b>Input</b>	GW restarts services at the planned time.
<b>Output</b>	GW sends the reconnect information to all nations it is providing services to at the re-establishment of services.  The GW transmits the content of its stored data collected during the system disconnect. The GWs that are reconnected also send their stored data changes to the GW. Then the GW operational mode is restored and no information is lost.
<b>Estimated effort</b>	

## Context

<b>Intended users</b>	MIP GW Operators / System Administrators
<b>Type of procedure</b>	MOP
<b>Comments</b>	

## Procedure overview



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## Procedure details

### 1 Reconnect

#### 1.1 MEM Reconnect

##### 1.1.1 Inform all the other Connected Gateways on the MIP LAN

An e-mail containing the reconnect information is sent to all other Nations. This may be in the form of a MIP System Administration Form message indicating 'Reconnect' contained in either an e-mail body or attachment.

At this moment the traffic can be resumed. The other MIP Gateways transmit the content of their message buffers. Then operational mode is restored and no information is lost.

##### 1.1.2 Send all stored messages

All the messages generated during the disconnection will be sent to the other GWs on the MIP LAN, as required.

#### 1.2 DEM Reconnect

##### 1.2.1 Notify the other Connected Gateways on the MIP LAN

Both the connecting node and the other nodes on the MIP LAN should have retained the required DEM Connection Information from before the Disconnect.

The node that is Reconnecting must make arrangements to receive the operational data it requires.

Note that several factors influence the actual flow of data; see the procedure 'Manage Operational Data Flow' for details.

##### 1.2.2 Data Provider Actions

The node as a Data Provider has no action to take until a Data Receiver opens a connection.

The node as a Data Provider will resend available OIG lists to the potential Data Receivers. The available OIG lists for each potential Data Receivers should, in principle, be exactly the same as before the Disconnect (though the operational situation might override this).

These steps might be completely automated in some systems.

## 1.2.3 Data Receiver Actions

The node as a Data Receiver will need to handle restoration of its previous subscriptions.

In the case of a clean Disconnect, the Reconnecting node should have been able to retain the synchronization points of the last successful replication transaction for each subscribed OIG. In this case it can re-subscribe to the same OIGs using the retained synchronization points.

These steps might be completely automated in some systems.