

**Source:** SA5 (Telecom Management)

**Title:** 2 Rel-4/5 CR 32.632 (Configuration Management; Core Network  
IRP: Network Resource Model): Correction of IOCs Notifications

**Document for:** Approval

**Agenda Item:** 7.5.3

| Doc-1st-Level | Spec   | CR  | Rev | Phase | Subject   | Cat | Version-Current | Doc-2nd-Level | Workitem |
|---------------|--------|-----|-----|-------|---|-----|-----------------|---------------|----------|
| SP-030419     | 32.632 | 008 | -   | Rel-4 | Correction of Information Object Classes (IOCs) Notifications - Alignment with 32.102 | F   | 4.3.0           | S5-036954     | OAM-CM   |
| SP-030419     | 32.632 | 009 | -   | Rel-5 | Correction of Information Object Classes (IOCs) Notifications - Alignment with 32.102 | A   | 5.3.0           | S5-037025     | OAM-CM   |

## CHANGE REQUEST

⌘ **32.632 CR 008** ⌘ rev **-** ⌘ Current version: **4.3.0** ⌘

For **HELP** on using this form, see bottom of this page or look at the pop-up text over the ⌘ symbols.

**Proposed change affects:** UICC apps  ME  Radio Access Network  Core Network

|                        |   |                 |   |
|------------------------|---|-----------------|---|
| <b>Title:</b>          | ⌘ Correction of Information Object Classes (IOCs) Notifications - Alignment with 32.102   |                 |   |
| <b>Source:</b>         | ⌘ SA5 (Trevor.Pirt@motorola.com)  |                 |   |
| <b>Work item code:</b> | ⌘ OAM-CM  | <b>Date:</b>    | ⌘ 05/09/2003  |
| <b>Category:</b>       | ⌘ <b>F</b>  | <b>Release:</b> | ⌘ Rel-4   |
|                        | Use <u>one</u> of the following categories:<br><b>F</b> (correction)<br><b>A</b> (corresponds to a correction in an earlier release)<br><b>B</b> (addition of feature),<br><b>C</b> (functional modification of feature)<br><b>D</b> (editorial modification)<br>Detailed explanations of the above categories can be found in 3GPP <a href="#">TR 21.900</a> . |                 | Use <u>one</u> of the following releases:<br>2 (GSM Phase 2)<br>R96 (Release 1996)<br>R97 (Release 1997)<br>R98 (Release 1998)<br>R99 (Release 1999)<br>Rel-4 (Release 4)<br>Rel-5 (Release 5)<br>Rel-6 (Release 6) |

|                                      |  |
|--------------------------------------|--|
| <b>Reason for change:</b>            | ⌘ Notifications Missing  |
| <b>Summary of change:</b>            | ⌘ Add missing notifications according to updated IS Template in 32.102 |
| <b>Consequences if not approved:</b> | ⌘ Incorrect specification of which notifications apply to IOCs.        |

|                              |  |                |   |  |   |   |  |  |
|------------------------------|--|----------------|---|--|---|---|--|--|
| <b>Clauses affected:</b>     | ⌘ 6.3  |                |   |  |   |   |  |  |
| <b>Other specs affected:</b> | <table border="1" style="display: inline-table; border-collapse: collapse;"> <tr> <td style="padding: 2px;">Y</td> <td style="padding: 2px;">N</td> </tr> <tr> <td style="padding: 2px;"></td> <td style="padding: 2px;">X</td> </tr> <tr> <td style="padding: 2px;">X</td> <td style="padding: 2px;"></td> </tr> </table> | Y              | N |  | X | X |  | ⌘ Other core specifications<br>⌘ Test specifications<br>⌘ O&M Specifications |
|                              | Y  | N              |   |  |   |   |  |  |
|                              |  | X              |   |  |   |   |  |  |
| X                            |  |                |   |  |   |   |  |  |
|                              |  | ⌘ Rel-5 32.632 |   |  |   |   |  |  |
| <b>Other comments:</b>       | ⌘ Rel-5 Mirror CR in S5-036955.  |                |   |  |   |   |  |  |

|                             |
|-----------------------------|
| <b>Change in Clause 6.3</b> |
|-----------------------------|

## 6.3 Managed Object Class (MOC) definitions

### 6.3.1 MOC MscFunction

This Managed Object Class represents MSC functionality. For more information about the MSC, see 3GPP TS 23.002 [15].

It inherits from ManagedFunction.

**Table 1: Attributes of MscFunction**

| Name          | Qualifier     | Description   |
|---------------|---------------|---|
| mscFunctionId | READ-ONLY, M  | An attribute whose 'name+value' can be used as an RDN when naming an instance of this object class. This RDN uniquely identifies the object instance within the scope of its containing (parent) object instance. |
| userLabel     | READ-WRITE, M | A user-friendly (and user assigned) name of the associated object. Inherited from ManagedFunction.  |

**Table 2: Notifications of MscFunction**

| Name                                   | Qualifier   | Notes |
|--|---|-------|
| notifyAckStateChanged                  | See Alarm IRP (3GPP TS 32.111-2 [11])                 |       |
| notifyAttributeValueChange             | O   |       |
| notifyChangedAlarm                     | See Alarm IRP (3GPP TS 32.111-2 [11])                 |       |
| notifyClearedAlarm                     | See Alarm IRP (3GPP TS 32.111-2 [11])                 |       |
| notifyNewAlarm                         | See Alarm IRP (3GPP TS 32.111-2 [11])                 |       |
| notifyObjectCreation                   | O   |       |
| notifyObjectDeletion                   | O   |       |
| <a href="#">notifyComments</a>         | <a href="#">See Alarm IRP (3GPP TS 32.111-2 [11])</a> |       |
| <a href="#">notifyAlarmListRebuilt</a> | <a href="#">See Alarm IRP (3GPP TS 32.111-2 [11])</a> |       |

### 6.3.2 MOC HlrFunction

This Managed Object Class represents HLR functionality. For more information about the HLR, see 3GPP TS 23.002 [15].

It inherits from ManagedFunction.

**Table 3: Attributes of HlrFunction**

| Name          | Qualifier     | Description   |
|---------------|---------------|---|
| hlrFunctionId | READ-ONLY, M  | An attribute whose 'name+value' can be used as an RDN when naming an instance of this object class. This RDN uniquely identifies the object instance within the scope of its containing (parent) object instance. |
| userLabel     | READ-WRITE, M | A user-friendly (and user assigned) name of the associated object. Inherited from ManagedFunction.  |

**Table 4: Notifications of HlrFunction**

| Name                                   | Qualifier   | Notes |
|--|---|-------|
| notifyAckStateChanged                  | See Alarm IRP (3GPP TS 32.111-2 [11])                 |       |
| notifyAttributeValueChange             | O   |       |
| notifyChangedAlarm                     | See Alarm IRP (3GPP TS 32.111-2 [11])                 |       |
| notifyClearedAlarm                     | See Alarm IRP (3GPP TS 32.111-2 [11])                 |       |
| notifyNewAlarm                         | See Alarm IRP (3GPP TS 32.111-2 [11])                 |       |
| notifyObjectCreation                   | O   |       |
| notifyObjectDeletion                   | O   |       |
| <a href="#">notifyComments</a>         | <a href="#">See Alarm IRP (3GPP TS 32.111-2 [11])</a> |       |
| <a href="#">notifyAlarmListRebuilt</a> | <a href="#">See Alarm IRP (3GPP TS 32.111-2 [11])</a> |       |

### 6.3.3 MOC VlrFunction

This Managed Object Class represents VLR functionality. For more information about the VLR, see 3GPP TS 23.002 [15].

It inherits from ManagedFunction.

**Table 5: Attributes of VlrFunction**

| Name          | Qualifier     | Description   |
|---------------|---------------|---|
| vlrFunctionId | READ-ONLY, M  | An attribute whose 'name+value' can be used as an RDN when naming an instance of this object class. This RDN uniquely identifies the object instance within the scope of its containing (parent) object instance. |
| userLabel     | READ-WRITE, M | A user-friendly (and user assigned) name of the associated object. Inherited from ManagedFunction.  |

**Table 6: Notifications of VlrFunction**

| Name                                   | Qualifier   | Notes |
|--|---|-------|
| notifyAckStateChanged                  | See Alarm IRP (3GPP TS 32.111-2 [11])                 |       |
| notifyAttributeValueChange             | O   |       |
| notifyChangedAlarm                     | See Alarm IRP (3GPP TS 32.111-2 [11])                 |       |
| notifyClearedAlarm                     | See Alarm IRP (3GPP TS 32.111-2 [11])                 |       |
| notifyNewAlarm                         | See Alarm IRP (3GPP TS 32.111-2 [11])                 |       |
| notifyObjectCreation                   | O   |       |
| notifyObjectDeletion                   | O   |       |
| <a href="#">notifyComments</a>         | <a href="#">See Alarm IRP (3GPP TS 32.111-2 [11])</a> |       |
| <a href="#">notifyAlarmListRebuilt</a> | <a href="#">See Alarm IRP (3GPP TS 32.111-2 [11])</a> |       |

### 6.3.4 MOC AucFunction

This Managed Object Class represents AUC functionality. For more information about the AUC, see 3GPP TS 23.002 [15].

It inherits from ManagedFunction.

**Table 7: Attributes of AucFunction**

| Name          | Qualifier     | Description   |
|---------------|---------------|---|
| aucFunctionId | READ-ONLY, M  | An attribute whose 'name+value' can be used as an RDN when naming an instance of this object class. This RDN uniquely identifies the object instance within the scope of its containing (parent) object instance. |
| userLabel     | READ-WRITE, M | A user-friendly (and user assigned) name of the associated object. Inherited from ManagedFunction.  |

**Table 8: Notifications of AucFunction**

| Name                                   | Qualifier   | Notes |
|--|---|-------|
| notifyAckStateChanged                  | See Alarm IRP (3GPP TS 32.111-2 [11])                 |       |
| notifyAttributeValueChange             | O   |       |
| notifyChangedAlarm                     | See Alarm IRP (3GPP TS 32.111-2 [11])                 |       |
| notifyClearedAlarm                     | See Alarm IRP (3GPP TS 32.111-2 [11])                 |       |
| notifyNewAlarm                         | See Alarm IRP (3GPP TS 32.111-2 [11])                 |       |
| notifyObjectCreation                   | O   |       |
| notifyObjectDeletion                   | O   |       |
| <a href="#">notifyComments</a>         | <a href="#">See Alarm IRP (3GPP TS 32.111-2 [11])</a> |       |
| <a href="#">notifyAlarmListRebuilt</a> | <a href="#">See Alarm IRP (3GPP TS 32.111-2 [11])</a> |       |

### 6.3.5 MOC EirFunction

This Managed Object Class represents EIR functionality. For more information about the EIR, see 3GPP TS 23.002 [15].

It inherits from ManagedFunction.

**Table 9: Attributes of EirFunction**

| Name          | Qualifier     | Description   |
|---------------|---------------|---|
| eirFunctionId | READ-ONLY, M  | An attribute whose 'name+value' can be used as an RDN when naming an instance of this object class. This RDN uniquely identifies the object instance within the scope of its containing (parent) object instance. |
| userLabel     | READ-WRITE, M | A user-friendly (and user assigned) name of the associated object. Inherited from ManagedFunction.  |

**Table 10: Notifications of EirFunction**

| Name                                   | Qualifier   | Notes |
|--|---|-------|
| notifyAckStateChanged                  | See Alarm IRP (3GPP TS 32.111-2 [11])                 |       |
| notifyAttributeValueChange             | O   |       |
| notifyChangedAlarm                     | See Alarm IRP (3GPP TS 32.111-2 [11])                 |       |
| notifyClearedAlarm                     | See Alarm IRP (3GPP TS 32.111-2 [11])                 |       |
| notifyNewAlarm                         | See Alarm IRP (3GPP TS 32.111-2 [11])                 |       |
| notifyObjectCreation                   | O   |       |
| notifyObjectDeletion                   | O   |       |
| <a href="#">notifyComments</a>         | <a href="#">See Alarm IRP (3GPP TS 32.111-2 [11])</a> |       |
| <a href="#">notifyAlarmListRebuilt</a> | <a href="#">See Alarm IRP (3GPP TS 32.111-2 [11])</a> |       |

### 6.3.6 MOC SmsIwmscFunction

This Managed Object Class represents SMS-IWMSC functionality. For more information about the SMS-IWMSC, see 3GPP TS 23.002 [15].

It inherits from ManagedFunction.

**Table 11: Attributes of SmsIwmscFunction**

| Name               | Qualifier     | Description   |
|--------------------|---------------|---|
| SmsIwmscFunctionId | READ-ONLY, M  | An attribute whose 'name+value' can be used as an RDN when naming an instance of this object class. This RDN uniquely identifies the object instance within the scope of its containing (parent) object instance. |
| userLabel          | READ-WRITE, M | A user-friendly (and user assigned) name of the associated object. Inherited from ManagedFunction.  |

Table 12: Notifications of `SmsIwmscFunction`

| Name                                    | Qualifier   | Notes |
|---|---|-------|
| <code>notifyAckStateChanged</code>      | See Alarm IRP (3GPP TS 32.111-2 [11])                 |       |
| <code>notifyAttributeValueChange</code> | O   |       |
| <code>notifyChangedAlarm</code>         | See Alarm IRP (3GPP TS 32.111-2 [11])                 |       |
| <code>notifyClearedAlarm</code>         | See Alarm IRP (3GPP TS 32.111-2 [11])                 |       |
| <code>notifyNewAlarm</code>             | See Alarm IRP (3GPP TS 32.111-2 [11])                 |       |
| <code>notifyObjectCreation</code>       | O   |       |
| <code>notifyObjectDeletion</code>       | O   |       |
| <a href="#">notifyComments</a>          | <a href="#">See Alarm IRP (3GPP TS 32.111-2 [11])</a> |       |
| <a href="#">notifyAlarmListRebuilt</a>  | <a href="#">See Alarm IRP (3GPP TS 32.111-2 [11])</a> |       |

### 6.3.7 MOC `SmsGmscFunction`

This Managed Object Class represents SMS-GMSC functionality. For more information about the SMS-GMSC, see 3GPP TS 23.002 [15].

It inherits from `ManagedFunction`.

Table 13: Attributes of `SmsGmscFunction`

| Name                           | Qualifier     | Description   |
|--------------------------------|---------------|---|
| <code>SmsGmscFunctionId</code> | READ-ONLY, M  | An attribute whose 'name+value' can be used as an RDN when naming an instance of this object class. This RDN uniquely identifies the object instance within the scope of its containing (parent) object instance. |
| <code>userLabel</code>         | READ-WRITE, M | A user-friendly (and user assigned) name of the associated object. Inherited from <code>ManagedFunction</code> .  |

Table 14: Notifications of `SmsGmscFunction`

| Name                                    | Qualifier   | Notes |
|---|---|-------|
| <code>notifyAckStateChanged</code>      | See Alarm IRP (3GPP TS 32.111-2 [11])                 |       |
| <code>notifyAttributeValueChange</code> | O   |       |
| <code>notifyChangedAlarm</code>         | See Alarm IRP (3GPP TS 32.111-2 [11])                 |       |
| <code>notifyClearedAlarm</code>         | See Alarm IRP (3GPP TS 32.111-2 [11])                 |       |
| <code>notifyNewAlarm</code>             | See Alarm IRP (3GPP TS 32.111-2 [11])                 |       |
| <code>notifyObjectCreation</code>       | O   |       |
| <code>notifyObjectDeletion</code>       | O   |       |
| <a href="#">notifyComments</a>          | <a href="#">See Alarm IRP (3GPP TS 32.111-2 [11])</a> |       |
| <a href="#">notifyAlarmListRebuilt</a>  | <a href="#">See Alarm IRP (3GPP TS 32.111-2 [11])</a> |       |

### 6.3.8 MOC `GmscFunction`

This Managed Object Class represents GMSC functionality. For more information about the GMSC, see 3GPP TS 23.002 [15].

It inherits from `ManagedFunction`.

Table 15: Attributes of `GmscFunction`

| Name                        | Qualifier     | Description   |
|-----------------------------|---------------|---|
| <code>gmscFunctionId</code> | READ-ONLY, M  | An attribute whose 'name+value' can be used as an RDN when naming an instance of this object class. This RDN uniquely identifies the object instance within the scope of its containing (parent) object instance. |
| <code>userLabel</code>      | READ-WRITE, M | A user-friendly (and user assigned) name of the associated object. Inherited from <code>ManagedFunction</code> .  |

**Table 16: Notifications of GmscFunction**

| Name                                   | Qualifier   | Notes |
|--|---|-------|
| notifyAckStateChanged                  | See Alarm IRP (3GPP TS 32.111-2 [11])                 |       |
| notifyAttributeValueChange             | O   |       |
| notifyChangedAlarm                     | See Alarm IRP (3GPP TS 32.111-2 [11])                 |       |
| notifyClearedAlarm                     | See Alarm IRP (3GPP TS 32.111-2 [11])                 |       |
| notifyNewAlarm                         | See Alarm IRP (3GPP TS 32.111-2 [11])                 |       |
| notifyObjectCreation                   | O   |       |
| notifyObjectDeletion                   | O   |       |
| <a href="#">notifyComments</a>         | <a href="#">See Alarm IRP (3GPP TS 32.111-2 [11])</a> |       |
| <a href="#">notifyAlarmListRebuilt</a> | <a href="#">See Alarm IRP (3GPP TS 32.111-2 [11])</a> |       |

### 6.3.9 MOC SgsnFunction

This managed object class represents SGSN functionality. For more information about the SGSN, see 3GPP TS 23.002 [15].

It inherits from ManagedFunction.

**Table 17: Attributes of sgsnFunction**

| Name           | Qualifier     | Description   |
|----------------|---------------|---|
| sgsnFunctionId | READ-ONLY, M  | An attribute whose 'name+value' can be used as an RDN when naming an instance of this object class. This RDN uniquely identifies the object instance within the scope of its containing (parent) object instance. |
| userLabel      | READ-WRITE, M | A user-friendly (and user assigned) name of the associated object. Inherited from ManagedFunction.  |

**Table 18: Notifications of SgsnFunction**

| Name                                   | Qualifier   | Notes |
|--|---|-------|
| notifyAckStateChanged                  | See Alarm IRP (3GPP TS 32.111-2 [11])                 |       |
| notifyAttributeValueChange             | O   |       |
| notifyChangedAlarm                     | See Alarm IRP (3GPP TS 32.111-2 [11])                 |       |
| notifyClearedAlarm                     | See Alarm IRP (3GPP TS 32.111-2 [11])                 |       |
| notifyNewAlarm                         | See Alarm IRP (3GPP TS 32.111-2 [11])                 |       |
| notifyObjectCreation                   | O   |       |
| notifyObjectDeletion                   | O   |       |
| <a href="#">notifyComments</a>         | <a href="#">See Alarm IRP (3GPP TS 32.111-2 [11])</a> |       |
| <a href="#">notifyAlarmListRebuilt</a> | <a href="#">See Alarm IRP (3GPP TS 32.111-2 [11])</a> |       |

### 6.3.10 MOC GgsnFunction

This Managed Object Class represents GGSN functionality. For more information about the GGSN, see 3GPP TS 23.002 [15].

It inherits from ManagedFunction.

**Table 19: Attributes of GgsnFunction**

| Name           | Qualifier     | Description   |
|----------------|---------------|---|
| ggsnFunctionId | READ-ONLY, M  | An attribute whose 'name+value' can be used as an RDN when naming an instance of this object class. This RDN uniquely identifies the object instance within the scope of its containing (parent) object instance. |
| userLabel      | READ-WRITE, M | A user-friendly (and user assigned) name of the associated object. Inherited from ManagedFunction.  |

**Table 20: Notifications of GgsnFunction**

| Name                                   | Qualifier   | Notes |
|--|---|-------|
| notifyAckStateChanged                  | See Alarm IRP (3GPP TS 32.111-2 [11])                 |       |
| notifyAttributeValueChange             | O   |       |
| notifyChangedAlarm                     | See Alarm IRP (3GPP TS 32.111-2 [11])                 |       |
| notifyClearedAlarm                     | See Alarm IRP (3GPP TS 32.111-2 [11])                 |       |
| notifyNewAlarm                         | See Alarm IRP (3GPP TS 32.111-2 [11])                 |       |
| notifyObjectCreation                   | O   |       |
| notifyObjectDeletion                   | O   |       |
| <a href="#">notifyComments</a>         | <a href="#">See Alarm IRP (3GPP TS 32.111-2 [11])</a> |       |
| <a href="#">notifyAlarmListRebuilt</a> | <a href="#">See Alarm IRP (3GPP TS 32.111-2 [11])</a> |       |

### 6.3.11 MOC BgFunction

This Managed Object Class represents BG functionality. For more information about the BG, see 3GPP TS 23.002 [15].

It inherits from ManagedFunction.

**Table 21: Attributes of BgFunction**

| Name         | Qualifier     | Description   |
|--------------|---------------|---|
| bgFunctionId | READ-ONLY, M  | An attribute whose 'name+value' can be used as an RDN when naming an instance of this object class. This RDN uniquely identifies the object instance within the scope of its containing (parent) object instance. |
| userLabel    | READ-WRITE, M | A user-friendly (and user assigned) name of the associated object. Inherited from ManagedFunction.  |

**Table 22: Notifications of BgFunction**

| Name                                   | Qualifier   | Notes |
|--|---|-------|
| notifyAckStateChanged                  | See Alarm IRP (3GPP TS 32.111-2 [11])                 |       |
| notifyAttributeValueChange             | O   |       |
| notifyChangedAlarm                     | See Alarm IRP (3GPP TS 32.111-2 [11])                 |       |
| notifyClearedAlarm                     | See Alarm IRP (3GPP TS 32.111-2 [11])                 |       |
| notifyNewAlarm                         | See Alarm IRP (3GPP TS 32.111-2 [11])                 |       |
| notifyObjectCreation                   | O   |       |
| notifyObjectDeletion                   | O   |       |
| <a href="#">notifyComments</a>         | <a href="#">See Alarm IRP (3GPP TS 32.111-2 [11])</a> |       |
| <a href="#">notifyAlarmListRebuilt</a> | <a href="#">See Alarm IRP (3GPP TS 32.111-2 [11])</a> |       |

### 6.3.12 MOC SmlcFunction

This Managed Object Class represents SMLC functionality. For more information about the SMLC, see 3GPP TS 23.002 [15].

It inherits from ManagedFunction.

**Table 23: Attributes of SmlcFunction**

| Name           | Qualifier     | Description   |
|----------------|---------------|---|
| smlcFunctionId | READ-ONLY, M  | An attribute whose 'name+value' can be used as an RDN when naming an instance of this object class. This RDN uniquely identifies the object instance within the scope of its containing (parent) object instance. |
| userLabel      | READ-WRITE, M | A user-friendly (and user assigned) name of the associated object. Inherited from ManagedFunction.  |



**Table 24: Notifications of `smlcFunction`**

| Name                                    | Qualifier   | Notes |
|---|---|-------|
| <code>notifyAckStateChanged</code>      | See Alarm IRP (3GPP TS 32.111-2 [11])                 |       |
| <code>notifyAttributeValueChange</code> | O   |       |
| <code>notifyChangedAlarm</code>         | See Alarm IRP (3GPP TS 32.111-2 [11])                 |       |
| <code>notifyClearedAlarm</code>         | See Alarm IRP (3GPP TS 32.111-2 [11])                 |       |
| <code>notifyNewAlarm</code>             | See Alarm IRP (3GPP TS 32.111-2 [11])                 |       |
| <code>notifyObjectCreation</code>       | O   |       |
| <code>notifyObjectDeletion</code>       | O   |       |
| <a href="#">notifyComments</a>          | <a href="#">See Alarm IRP (3GPP TS 32.111-2 [11])</a> |       |
| <a href="#">notifyAlarmListRebuilt</a>  | <a href="#">See Alarm IRP (3GPP TS 32.111-2 [11])</a> |       |

### 6.3.13 MOC `GmlcFunction`

This Managed Object Class represents GMLC functionality. For more information about the GMLC, see 3GPP TS 23.002 [15].

It inherits from `ManagedFunction`.

**Table 25: Attributes of `GmlcFunction`**

| Name                        | Qualifier     | Description   |
|-----------------------------|---------------|---|
| <code>gmlcFunctionId</code> | READ-ONLY, M  | An attribute whose 'name+value' can be used as an RDN when naming an instance of this object class. This RDN uniquely identifies the object instance within the scope of its containing (parent) object instance. |
| <code>userLabel</code>      | READ-WRITE, M | A user-friendly (and user assigned) name of the associated object. Inherited from <code>ManagedFunction</code> .  |

**Table 26: Notifications of `GmlcFunction`**

| Name                                    | Qualifier   | Notes |
|---|---|-------|
| <code>notifyAckStateChanged</code>      | See Alarm IRP (3GPP TS 32.111-2 [11])                 |       |
| <code>notifyAttributeValueChange</code> | O   |       |
| <code>notifyChangedAlarm</code>         | See Alarm IRP (3GPP TS 32.111-2 [11])                 |       |
| <code>notifyClearedAlarm</code>         | See Alarm IRP (3GPP TS 32.111-2 [11])                 |       |
| <code>notifyNewAlarm</code>             | See Alarm IRP (3GPP TS 32.111-2 [11])                 |       |
| <code>notifyObjectCreation</code>       | O   |       |
| <code>notifyObjectDeletion</code>       | O   |       |
| <a href="#">notifyComments</a>          | <a href="#">See Alarm IRP (3GPP TS 32.111-2 [11])</a> |       |
| <a href="#">notifyAlarmListRebuilt</a>  | <a href="#">See Alarm IRP (3GPP TS 32.111-2 [11])</a> |       |

### 6.3.14 MOC `ScfFunction`

This Managed Object Class represents SCF functionality (also referred to as `gsmSCF`). For more information about the SCF, see 3GPP TS 23.002 [15].

It inherits from `ManagedFunction`.

**Table 27: Attributes of `ScfFunction`**

| Name                       | Qualifier     | Description   |
|----------------------------|---------------|---|
| <code>scfFunctionId</code> | READ-ONLY, M  | An attribute whose 'name+value' can be used as an RDN when naming an instance of this object class. This RDN uniquely identifies the object instance within the scope of its containing (parent) object instance. |
| <code>userLabel</code>     | READ-WRITE, M | A user-friendly (and user assigned) name of the associated object. Inherited from <code>ManagedFunction</code> .  |

**Table 28: Notifications of ScfFunction**

| Name                                   | Qualifier   | Notes |
|--|---|-------|
| notifyAckStateChanged                  | See Alarm IRP (3GPP TS 32.111-2 [11])                 |       |
| notifyAttributeValueChange             | O   |       |
| notifyChangedAlarm                     | See Alarm IRP (3GPP TS 32.111-2 [11])                 |       |
| notifyClearedAlarm                     | See Alarm IRP (3GPP TS 32.111-2 [11])                 |       |
| notifyNewAlarm                         | See Alarm IRP (3GPP TS 32.111-2 [11])                 |       |
| notifyObjectCreation                   | O   |       |
| notifyObjectDeletion                   | O   |       |
| <a href="#">notifyComments</a>         | <a href="#">See Alarm IRP (3GPP TS 32.111-2 [11])</a> |       |
| <a href="#">notifyAlarmListRebuilt</a> | <a href="#">See Alarm IRP (3GPP TS 32.111-2 [11])</a> |       |

### 6.3.15 MOC SrfFunction

This Managed Object Class represents SRF functionality (also referred to as gsmSRF). For more information about the SRF, see 3GPP TS 23.002 [15].

It inherits from ManagedFunction.

**Table 29: Attributes of SrfFunction**

| Name          | Qualifier     | Description   |
|---------------|---------------|---|
| srfFunctionId | READ-ONLY, M  | An attribute whose 'name+value' can be used as an RDN when naming an instance of this object class. This RDN uniquely identifies the object instance within the scope of its containing (parent) object instance. |
| userLabel     | READ-WRITE, M | A user-friendly (and user assigned) name of the associated object. Inherited from ManagedFunction.  |

**Table 30: Notifications of SrfFunction**

| Name                                   | Qualifier   | Notes |
|--|---|-------|
| notifyAckStateChanged                  | See Alarm IRP (3GPP TS 32.111-2 [11])                 |       |
| notifyAttributeValueChange             | O   |       |
| notifyChangedAlarm                     | See Alarm IRP (3GPP TS 32.111-2 [11])                 |       |
| notifyClearedAlarm                     | See Alarm IRP (3GPP TS 32.111-2 [11])                 |       |
| notifyNewAlarm                         | See Alarm IRP (3GPP TS 32.111-2 [11])                 |       |
| notifyObjectCreation                   | O   |       |
| notifyObjectDeletion                   | O   |       |
| <a href="#">notifyComments</a>         | <a href="#">See Alarm IRP (3GPP TS 32.111-2 [11])</a> |       |
| <a href="#">notifyAlarmListRebuilt</a> | <a href="#">See Alarm IRP (3GPP TS 32.111-2 [11])</a> |       |

### 6.3.16 MOC CbcFunction

This Managed Object Class represents CBC functionality. For more information about the CBC, see 3GPP TS 23.002 [15].

It inherits from ManagedFunction.

**Table 31: Attributes of CbcFunction**

| Name          | Qualifier     | Description   |
|---------------|---------------|---|
| cbcFunctionId | READ-ONLY, M  | An attribute whose 'name+value' can be used as an RDN when naming an instance of this object class. This RDN uniquely identifies the object instance within the scope of its containing (parent) object instance. |
| userLabel     | READ-WRITE, M | A user-friendly (and user assigned) name of the associated object. Inherited from ManagedFunction.  |

**Table 32: Notifications of CbcFunction**

| Name                                   | Qualifier   | Notes |
|--|---|-------|
| notifyAckStateChanged                  | See Alarm IRP (3GPP TS 32.111-2 [11])                 |       |
| notifyAttributeValueChange             | O   |       |
| notifyChangedAlarm                     | See Alarm IRP (3GPP TS 32.111-2 [11])                 |       |
| notifyClearedAlarm                     | See Alarm IRP (3GPP TS 32.111-2 [11])                 |       |
| notifyNewAlarm                         | See Alarm IRP (3GPP TS 32.111-2 [11])                 |       |
| notifyObjectCreation                   | O   |       |
| notifyObjectDeletion                   | O   |       |
| <a href="#">notifyComments</a>         | <a href="#">See Alarm IRP (3GPP TS 32.111-2 [11])</a> |       |
| <a href="#">notifyAlarmListRebuilt</a> | <a href="#">See Alarm IRP (3GPP TS 32.111-2 [11])</a> |       |

### 6.3.17 MOC CgfFunction

This Managed Object Class represents CGF functionality. For more information about the CGF, see 3GPP TS 23.060 [18].

It inherits from ManagedFunction.

**Table 33: Attributes of CgfFunction**

| Name          | Qualifier     | Description   |
|---------------|---------------|---|
| cgfFunctionId | READ-ONLY, M  | An attribute whose 'name+value' can be used as an RDN when naming an instance of this object class. This RDN uniquely identifies the object instance within the scope of its containing (parent) object instance. |
| userLabel     | READ-WRITE, M | A user-friendly (and user assigned) name of the associated object. Inherited from ManagedFunction.  |

**Table 34: Notifications of CgfFunction**

| Name                                   | Qualifier   | Notes |
|--|---|-------|
| notifyAckStateChanged                  | See Alarm IRP (3GPP TS 32.111-2 [11])                 |       |
| notifyAttributeValueChange             | O   |       |
| notifyChangedAlarm                     | See Alarm IRP (3GPP TS 32.111-2 [11])                 |       |
| notifyClearedAlarm                     | See Alarm IRP (3GPP TS 32.111-2 [11])                 |       |
| notifyNewAlarm                         | See Alarm IRP (3GPP TS 32.111-2 [11])                 |       |
| notifyObjectCreation                   | O   |       |
| notifyObjectDeletion                   | O   |       |
| <a href="#">notifyComments</a>         | <a href="#">See Alarm IRP (3GPP TS 32.111-2 [11])</a> |       |
| <a href="#">notifyAlarmListRebuilt</a> | <a href="#">See Alarm IRP (3GPP TS 32.111-2 [11])</a> |       |

### 6.3.18 MOC MgwFunction

This Managed Object Class represents MGW functionality. For more information about MGW, see 3GPP TS 23.002 [15].

It inherits from ManagedFunction.

**Table 35: Attributes of MgwFunction**

| Name          | Qualifier     | Description   |
|---------------|---------------|---|
| mgwFunctionId | READ-ONLY, M  | An attribute whose 'name+value' can be used as an RDN when naming an instance of this object class. This RDN uniquely identifies the object instance within the scope of its containing (parent) object instance. |
| userLabel     | READ-WRITE, M | A user-friendly (and user assigned) name of the associated object. Inherited from ManagedFunction.  |

**Table 36: Notifications of MgwFunction**

| Name                                   | Qualifier   | Notes |
|--|---|-------|
| notifyAckStateChanged                  | See Alarm IRP (3GPP TS 32.111-2 [11])                 |       |
| notifyAttributeValueChange             | O   |       |
| notifyChangedAlarm                     | See Alarm IRP (3GPP TS 32.111-2 [11])                 |       |
| notifyClearedAlarm                     | See Alarm IRP (3GPP TS 32.111-2 [11])                 |       |
| notifyNewAlarm                         | See Alarm IRP (3GPP TS 32.111-2 [11])                 |       |
| notifyObjectCreation                   | O   |       |
| notifyObjectDeletion                   | O   |       |
| <a href="#">notifyComments</a>         | <a href="#">See Alarm IRP (3GPP TS 32.111-2 [11])</a> |       |
| <a href="#">notifyAlarmListRebuilt</a> | <a href="#">See Alarm IRP (3GPP TS 32.111-2 [11])</a> |       |

### 6.3.19 MOC GmscServerFunction

This Managed Object Class represents GMSCServer functionality. For more information about GMSCServer, see 3GPP TS 23.002 [15].

It inherits from ManagedFunction.

**Table 37: Attributes of GmscServerFunction**

| Name                 | Qualifier     | Description   |
|----------------------|---------------|---|
| gmscServerFunctionId | READ-ONLY, M  | An attribute whose 'name+value' can be used as an RDN when naming an instance of this object class. This RDN uniquely identifies the object instance within the scope of its containing (parent) object instance. |
| userLabel            | READ-WRITE, M | A user-friendly (and user assigned) name of the associated object. Inherited from ManagedFunction.  |

**Table 38: Notifications of GmscServerFunction**

| Name                                   | Qualifier   | Notes |
|--|---|-------|
| notifyAckStateChanged                  | See Alarm IRP (3GPP TS 32.111-2 [11])                 |       |
| notifyAttributeValueChange             | O   |       |
| notifyChangedAlarm                     | See Alarm IRP (3GPP TS 32.111-2 [11])                 |       |
| notifyClearedAlarm                     | See Alarm IRP (3GPP TS 32.111-2 [11])                 |       |
| notifyNewAlarm                         | See Alarm IRP (3GPP TS 32.111-2 [11])                 |       |
| notifyObjectCreation                   | O   |       |
| notifyObjectDeletion                   | O   |       |
| <a href="#">notifyComments</a>         | <a href="#">See Alarm IRP (3GPP TS 32.111-2 [11])</a> |       |
| <a href="#">notifyAlarmListRebuilt</a> | <a href="#">See Alarm IRP (3GPP TS 32.111-2 [11])</a> |       |

### 6.3.20 MOC IwfFunction

This Managed Object Class represents IWF functionality. For more information about IWF, see 3GPP TS 23.002 [15].

It inherits from ManagedFunction.

**Table 39: Attributes of IwfFunction**

| Name          | Qualifier     | Description   |
|---------------|---------------|---|
| iwfFunctionId | READ-ONLY, M  | An attribute whose 'name+value' can be used as an RDN when naming an instance of this object class. This RDN uniquely identifies the object instance within the scope of its containing (parent) object instance. |
| userLabel     | READ-WRITE, M | A user-friendly (and user assigned) name of the associated object. Inherited from ManagedFunction.  |

**Table 40: Notifications of IwfFunction**

| Name                                   | Qualifier   | Notes |
|--|---|-------|
| notifyAckStateChanged                  | See Alarm IRP (3GPP TS 32.111-2 [11])                 |       |
| notifyAttributeValueChange             | O   |       |
| notifyChangedAlarm                     | See Alarm IRP (3GPP TS 32.111-2 [11])                 |       |
| notifyClearedAlarm                     | See Alarm IRP (3GPP TS 32.111-2 [11])                 |       |
| notifyNewAlarm                         | See Alarm IRP (3GPP TS 32.111-2 [11])                 |       |
| notifyObjectCreation                   | O   |       |
| notifyObjectDeletion                   | O   |       |
| <a href="#">notifyComments</a>         | <a href="#">See Alarm IRP (3GPP TS 32.111-2 [11])</a> |       |
| <a href="#">notifyAlarmListRebuilt</a> | <a href="#">See Alarm IRP (3GPP TS 32.111-2 [11])</a> |       |

### 6.3.21 MOC MnpSrfFunction

This Managed Object Class represents MNP-SRF functionality (also known as FNR). For more information about MNP-SRF, see 3GPP TS 23.002 [15].

It inherits from ManagedFunction.

**Table 41: Attributes of MnpSrfFunction**

| Name             | Qualifier     | Description   |
|------------------|---------------|---|
| mnpSrfFunctionId | READ-ONLY, M  | An attribute whose 'name+value' can be used as an RDN when naming an instance of this object class. This RDN uniquely identifies the object instance within the scope of its containing (parent) object instance. |
| userLabel        | READ-WRITE, M | A user-friendly (and user assigned) name of the associated object. Inherited from ManagedFunction.  |

**Table 42: Notifications of MnpSrfFunction**

| Name                                   | Qualifier   | Notes |
|--|---|-------|
| notifyAckStateChanged                  | See Alarm IRP (3GPP TS 32.111-2 [11])                 |       |
| notifyAttributeValueChange             | O   |       |
| notifyChangedAlarm                     | See Alarm IRP (3GPP TS 32.111-2 [11])                 |       |
| notifyClearedAlarm                     | See Alarm IRP (3GPP TS 32.111-2 [11])                 |       |
| notifyNewAlarm                         | See Alarm IRP (3GPP TS 32.111-2 [11])                 |       |
| notifyObjectCreation                   | O   |       |
| notifyObjectDeletion                   | O   |       |
| <a href="#">notifyComments</a>         | <a href="#">See Alarm IRP (3GPP TS 32.111-2 [11])</a> |       |
| <a href="#">notifyAlarmListRebuilt</a> | <a href="#">See Alarm IRP (3GPP TS 32.111-2 [11])</a> |       |

### 6.3.22 MOC NpdbFunction

This Managed Object Class represents NPDB functionality. For more information about NPDB, see 3GPP TS 23.002 [15].

It inherits from ManagedFunction.

**Table 43: Attributes of NpdbFunction**

| Name           | Qualifier     | Description   |
|----------------|---------------|---|
| npdbFunctionId | READ-ONLY, M  | An attribute whose 'name+value' can be used as an RDN when naming an instance of this object class. This RDN uniquely identifies the object instance within the scope of its containing (parent) object instance. |
| userLabel      | READ-WRITE, M | A user-friendly (and user assigned) name of the associated object. Inherited from ManagedFunction.  |

**Table 44: Notifications of NpdbFunction**

| Name                                   | Qualifier   | Notes |
|--|---|-------|
| notifyAckStateChanged                  | See Alarm IRP (3GPP TS 32.111-2 [11])                 |       |
| notifyAttributeValueChange             | O   |       |
| notifyChangedAlarm                     | See Alarm IRP (3GPP TS 32.111-2 [11])                 |       |
| notifyClearedAlarm                     | See Alarm IRP (3GPP TS 32.111-2 [11])                 |       |
| notifyNewAlarm                         | See Alarm IRP (3GPP TS 32.111-2 [11])                 |       |
| notifyObjectCreation                   | O   |       |
| notifyObjectDeletion                   | O   |       |
| <a href="#">notifyComments</a>         | <a href="#">See Alarm IRP (3GPP TS 32.111-2 [11])</a> |       |
| <a href="#">notifyAlarmListRebuilt</a> | <a href="#">See Alarm IRP (3GPP TS 32.111-2 [11])</a> |       |

### 6.3.23 MOC SgwFunction

This Managed Object Class represents SGW functionality. For more information about SGW, see 3GPP TS 23.002 [15].

It inherits from ManagedFunction.

**Table 45: Attributes of SgwFunction**

| Name          | Qualifier     | Description   |
|---------------|---------------|---|
| sgwFunctionId | READ-ONLY, M  | An attribute whose 'name+value' can be used as an RDN when naming an instance of this object class. This RDN uniquely identifies the object instance within the scope of its containing (parent) object instance. |
| userLabel     | READ-WRITE, M | A user-friendly (and user assigned) name of the associated object. Inherited from ManagedFunction.  |

**Table 46: Notifications of SgwFunction**

| Name                                   | Qualifier   | Notes |
|--|---|-------|
| notifyAckStateChanged                  | See Alarm IRP (3GPP TS 32.111-2 [11])                 |       |
| notifyAttributeValueChange             | O   |       |
| notifyChangedAlarm                     | See Alarm IRP (3GPP TS 32.111-2 [11])                 |       |
| notifyClearedAlarm                     | See Alarm IRP (3GPP TS 32.111-2 [11])                 |       |
| notifyNewAlarm                         | See Alarm IRP (3GPP TS 32.111-2 [11])                 |       |
| notifyObjectCreation                   | O   |       |
| notifyObjectDeletion                   | O   |       |
| <a href="#">notifyComments</a>         | <a href="#">See Alarm IRP (3GPP TS 32.111-2 [11])</a> |       |
| <a href="#">notifyAlarmListRebuilt</a> | <a href="#">See Alarm IRP (3GPP TS 32.111-2 [11])</a> |       |

### 6.3.24 MOC SsfFunction

This Managed Object Class represents SSF functionality. For more information about SSF, see 3GPP TS 23.002 [15].

It inherits from ManagedFunction.

**Table 47: Attributes of SsfFunction**

| Name          | Qualifier     | Description   |
|---------------|---------------|---|
| ssfFunctionId | READ-ONLY, M  | An attribute whose 'name+value' can be used as an RDN when naming an instance of this object class. This RDN uniquely identifies the object instance within the scope of its containing (parent) object instance. |
| userLabel     | READ-WRITE, M | A user-friendly (and user assigned) name of the associated object. Inherited from ManagedFunction.  |

**Table 48: Notifications of SsfFunction**

| Name                                   | Qualifier   | Notes |
|--|---|-------|
| notifyAckStateChanged                  | See Alarm IRP (3GPP TS 32.111-2 [11])                 |       |
| notifyAttributeValueChange             | O   |       |
| notifyChangedAlarm                     | See Alarm IRP (3GPP TS 32.111-2 [11])                 |       |
| notifyClearedAlarm                     | See Alarm IRP (3GPP TS 32.111-2 [11])                 |       |
| notifyNewAlarm                         | See Alarm IRP (3GPP TS 32.111-2 [11])                 |       |
| notifyObjectCreation                   | O   |       |
| notifyObjectDeletion                   | O   |       |
| <a href="#">notifyComments</a>         | <a href="#">See Alarm IRP (3GPP TS 32.111-2 [11])</a> |       |
| <a href="#">notifyAlarmListRebuilt</a> | <a href="#">See Alarm IRP (3GPP TS 32.111-2 [11])</a> |       |

### 6.3.25 MOC BsFunction

This Managed Object Class represents BS functionality. For more information about BS, see 3GPP TS 23.060 [18].

It inherits from ManagedFunction.

**Table 49: Attributes of BsFunction**

| Name         | Qualifier     | Description   |
|--------------|---------------|---|
| bsFunctionId | READ-ONLY, M  | An attribute whose 'name+value' can be used as an RDN when naming an instance of this object class. This RDN uniquely identifies the object instance within the scope of its containing (parent) object instance. |
| userLabel    | READ-WRITE, M | A user-friendly (and user assigned) name of the associated object. Inherited from ManagedFunction.  |

**Table 50: Notifications of BsFunction**

| Name                                   | Qualifier   | Notes |
|--|---|-------|
| notifyAckStateChanged                  | See Alarm IRP (3GPP TS 32.111-2 [11])                 |       |
| notifyAttributeValueChange             | O   |       |
| notifyChangedAlarm                     | See Alarm IRP (3GPP TS 32.111-2 [11])                 |       |
| notifyClearedAlarm                     | See Alarm IRP (3GPP TS 32.111-2 [11])                 |       |
| notifyNewAlarm                         | See Alarm IRP (3GPP TS 32.111-2 [11])                 |       |
| notifyObjectCreation                   | O   |       |
| notifyObjectDeletion                   | O   |       |
| <a href="#">notifyComments</a>         | <a href="#">See Alarm IRP (3GPP TS 32.111-2 [11])</a> |       |
| <a href="#">notifyAlarmListRebuilt</a> | <a href="#">See Alarm IRP (3GPP TS 32.111-2 [11])</a> |       |

**End of Change in Clause 6.3**  
**End of Document**

## Annex A (informative): Change history

| Change history |       |           |     |     |   |       |       |
|----------------|-------|-----------|-----|-----|---|-------|-------|
| Date           | TSG # | TSG Doc.  | CR  | Rev | Subject/Comment   | Old   | New   |
| Jun 2001       | S_12  | SP-010283 | --  | --  | Approved at TSG SA #12 and placed under Change Control  | 2.0.0 | 4.0.0 |
| Dec 2001       | S_14  | SP-010649 | 001 | --  | Removal of MOC FnrFunction from the diagrams  | 4.0.0 | 4.1.0 |
| Jun 2002       | S_16  | SP-020302 | 002 | --  | Align with Rel-4 Network Architecture (23.002) by changing Roaming Signalling Gateway (R-SGW) to Signalling Gateway (SGW) | 4.1.0 | 4.2.0 |
| Mar 2003       | S_19  | SP-030142 | 005 | --  | Change userLabel attribute from Read-Only to Read-Write   | 4.2.0 | 4.3.0 |
|                |       |           |     |     |   |       |       |



## CHANGE REQUEST

⌘ **32.632 CR 009** ⌘ rev **-** ⌘ Current version: **5.3.0** ⌘

For **HELP** on using this form, see bottom of this page or look at the pop-up text over the ⌘ symbols.

**Proposed change affects:** UICC apps  ME  Radio Access Network  Core Network

|                        |   |                 |   |
|------------------------|---|-----------------|---|
| <b>Title:</b>          | ⌘ Correction of Information Object Classes (IOCs) Notifications - Alignment with 32.102   |                 |   |
| <b>Source:</b>         | ⌘ SA5 (Trevor.Pirt@motorola.com)  |                 |   |
| <b>Work item code:</b> | ⌘ OAM-CM  | <b>Date:</b>    | ⌘ 05/09/2003  |
| <b>Category:</b>       | ⌘ <b>A</b>  | <b>Release:</b> | ⌘ Rel-5   |
|                        | Use <u>one</u> of the following categories:<br><i>F</i> (correction)<br><i>A</i> (corresponds to a correction in an earlier release)<br><i>B</i> (addition of feature),<br><i>C</i> (functional modification of feature)<br><i>D</i> (editorial modification)<br>Detailed explanations of the above categories can be found in 3GPP <a href="#">TR 21.900</a> . |                 | Use <u>one</u> of the following releases:<br>2 (GSM Phase 2)<br>R96 (Release 1996)<br>R97 (Release 1997)<br>R98 (Release 1998)<br>R99 (Release 1999)<br>Rel-4 (Release 4)<br>Rel-5 (Release 5)<br>Rel-6 (Release 6) |

|                                      |  |
|--------------------------------------|--|
| <b>Reason for change:</b>            | ⌘ Notifications Missing  |
| <b>Summary of change:</b>            | ⌘ Add missing notifications according to updated IS Template in 32.102 |
| <b>Consequences if not approved:</b> | ⌘ Incorrect specification of which notifications apply to IOCs.        |

|                              |   |                     |   |  |   |  |   |  |   |                           |   |
|------------------------------|---|---------------------|---|--|---|--|---|--|---|---------------------------|---|
| <b>Clauses affected:</b>     | ⌘ 6.3   |                     |   |  |   |  |   |  |   |                           |   |
| <b>Other specs affected:</b> | <table border="1" style="display: inline-table; border-collapse: collapse;"> <tr> <td style="width: 20px; text-align: center;">Y</td> <td style="width: 20px; text-align: center;">N</td> </tr> <tr> <td style="text-align: center;"> </td> <td style="text-align: center;">X</td> </tr> <tr> <td style="text-align: center;"> </td> <td style="text-align: center;">X</td> </tr> <tr> <td style="text-align: center;"> </td> <td style="text-align: center;">X</td> </tr> </table> | Y                   | N |  | X |  | X |  | X | Other core specifications | ⌘ |
|                              | Y   | N                   |   |  |   |  |   |  |   |                           |   |
|                              |   | X                   |   |  |   |  |   |  |   |                           |   |
|                              | X   |                     |   |  |   |  |   |  |   |                           |   |
|                              | X   |                     |   |  |   |  |   |  |   |                           |   |
|                              |   | Test specifications |   |  |   |  |   |  |   |                           |   |
|                              |   | O&M Specifications  |   |  |   |  |   |  |   |                           |   |
| <b>Other comments:</b>       | ⌘ Rel-5 Mirror CR of S5-036954.   |                     |   |  |   |  |   |  |   |                           |   |

**Change in Clause 6.3**

## 6.3 Information Object Classes definition

### 6.3.1 MscServerFunction

#### 6.3.1.1 Definition

This IOC represents MSCserver functionality. For more information about the MSC, see 3GPP TS 23.002 [15].

#### 6.3.1.2 Attributes

**Table 6.3.1.1: Attributes of MscServerFunction**

| Attribute name                    | Visibility | Support Qualifier | Read Qualifier | Write Qualifier |
|-----------------------------------|------------|-------------------|----------------|-----------------|
| mscServerFunctionId               | +          | M                 | M              | -               |
| userLabel                         | +          | M                 | M              | M               |
| mccList                           | +          | M                 | M              | M               |
| mncList                           | +          | M                 | M              | M               |
| lacList                           | +          | M                 | M              | M               |
| sacList                           | +          | M                 | M              | M               |
| gcaList                           | +          | O                 | M              | M               |
| mscld                             | +          | M                 | M              | M               |
| mscServerFunction-GSMcell         | +          | M                 | M              | -               |
| mscServerFunction-ExternalGSMcell | +          | M                 | M              | -               |
| mscServerFunction-CsMgwFunction   | +          | M                 | M              | -               |

**Table 6.3.1.2: Notifications of MscServerFunction**

| Name   | Qualifier   | Notes |
|--|---|-------|
| notifyAckStateChanged                          | See Alarm IRP (3GPP TS 32.111-2 [11])                 |       |
| notifyAttributeValueChange                     | O   |       |
| notifyChangedAlarm                             | See Alarm IRP (3GPP TS 32.111-2 [11])                 |       |
| notifyClearedAlarm                             | See Alarm IRP (3GPP TS 32.111-2 [11])                 |       |
| notifyNewAlarm                                 | See Alarm IRP (3GPP TS 32.111-2 [11])                 |       |
| notifyObjectCreation                           | O   |       |
| notifyObjectDeletion                           | O   |       |
| <a href="#">notifyComments</a>                 | <a href="#">See Alarm IRP (3GPP TS 32.111-2 [11])</a> |       |
| <a href="#">notifyAlarmListRebuilt</a>         | <a href="#">See Alarm IRP (3GPP TS 32.111-2 [11])</a> |       |
| <a href="#">notifyPotentialFaultyAlarmList</a> | <a href="#">See Alarm IRP (3GPP TS 32.111-2 [11])</a> |       |

### 6.3.2 HlrFunction

#### 6.3.2.1 Definition

This IOC represents HLR functionality. For more information about the HLR, see 3GPP TS 23.002 [15].

#### 6.3.2.2 Attributes

**Table 6.3.2.1: Attributes of HlrFunction**

| Attribute name | Visibility | Support Qualifier | Read Qualifier | Write Qualifier |
|----------------|------------|-------------------|----------------|-----------------|
| hlrFunctionId  | +          | M                 | M              | -               |
| userLabel      | +          | M                 | M              | M               |

**Table 6.3.2.2: Notifications of HlrFunction**

| Name   | Qualifier   | Notes |
|--|---|-------|
| notifyAckStateChanged                          | See Alarm IRP (3GPP TS 32.111-2 [11])                 |       |
| notifyAttributeValueChange                     | O   |       |
| notifyChangedAlarm                             | See Alarm IRP (3GPP TS 32.111-2 [11])                 |       |
| notifyClearedAlarm                             | See Alarm IRP (3GPP TS 32.111-2 [11])                 |       |
| notifyNewAlarm                                 | See Alarm IRP (3GPP TS 32.111-2 [11])                 |       |
| notifyObjectCreation                           | O   |       |
| notifyObjectDeletion                           | O   |       |
| <a href="#">notifyComments</a>                 | <a href="#">See Alarm IRP (3GPP TS 32.111-2 [11])</a> |       |
| <a href="#">notifyAlarmListRebuilt</a>         | <a href="#">See Alarm IRP (3GPP TS 32.111-2 [11])</a> |       |
| <a href="#">notifyPotentialFaultyAlarmList</a> | <a href="#">See Alarm IRP (3GPP TS 32.111-2 [11])</a> |       |

### 6.3.3 VlrFunction

#### 6.3.3.1 Definition

This IOC represents VLR functionality. For more information about the VLR, see 3GPP TS 23.002 [15].

#### 6.3.3.2 Attributes

**Table 6.3.3.1: Attributes of VlrFunction**

| Attribute name | Visibility | Support Qualifier | Read Qualifier | Write Qualifier |
|----------------|------------|-------------------|----------------|-----------------|
| vlrFunctionId  | +          | M                 | M              | -               |
| userLabel      | +          | M                 | M              | M               |

**Table 6.3.3.2: Notifications of VlrFunction**

| Name   | Qualifier   | Notes |
|--|---|-------|
| notifyAckStateChanged                          | See Alarm IRP (3GPP TS 32.111-2 [11])                 |       |
| notifyAttributeValueChange                     | O   |       |
| notifyChangedAlarm                             | See Alarm IRP (3GPP TS 32.111-2 [11])                 |       |
| notifyClearedAlarm                             | See Alarm IRP (3GPP TS 32.111-2 [11])                 |       |
| notifyNewAlarm                                 | See Alarm IRP (3GPP TS 32.111-2 [11])                 |       |
| notifyObjectCreation                           | O   |       |
| notifyObjectDeletion                           | O   |       |
| <a href="#">notifyComments</a>                 | <a href="#">See Alarm IRP (3GPP TS 32.111-2 [11])</a> |       |
| <a href="#">notifyAlarmListRebuilt</a>         | <a href="#">See Alarm IRP (3GPP TS 32.111-2 [11])</a> |       |
| <a href="#">notifyPotentialFaultyAlarmList</a> | <a href="#">See Alarm IRP (3GPP TS 32.111-2 [11])</a> |       |

### 6.3.4 AucFunction

#### 6.3.4.1 Definition

This IOC represents AUC functionality. For more information about the AUC, see 3GPP TS 23.002 [15].

#### 6.3.4.2 Attributes

**Table 6.3.4.1: Attributes of AucFunction**

| Attribute name | Visibility | Support Qualifier | Read Qualifier | Write Qualifier |
|----------------|------------|-------------------|----------------|-----------------|
| aucFunctionId  | +          | M                 | M              | -               |
| userLabel      | +          | M                 | M              | M               |

**Table 6.3.4.2: Notifications of AucFunction**

| Name   | Qualifier   | Notes |
|--|---|-------|
| notifyAckStateChanged                          | See Alarm IRP (3GPP TS 32.111-2 [11])                 |       |
| notifyAttributeValueChange                     | O   |       |
| notifyChangedAlarm                             | See Alarm IRP (3GPP TS 32.111-2 [11])                 |       |
| notifyClearedAlarm                             | See Alarm IRP (3GPP TS 32.111-2 [11])                 |       |
| notifyNewAlarm                                 | See Alarm IRP (3GPP TS 32.111-2 [11])                 |       |
| notifyObjectCreation                           | O   |       |
| notifyObjectDeletion                           | O   |       |
| <a href="#">notifyComments</a>                 | <a href="#">See Alarm IRP (3GPP TS 32.111-2 [11])</a> |       |
| <a href="#">notifyAlarmListRebuilt</a>         | <a href="#">See Alarm IRP (3GPP TS 32.111-2 [11])</a> |       |
| <a href="#">notifyPotentialFaultyAlarmList</a> | <a href="#">See Alarm IRP (3GPP TS 32.111-2 [11])</a> |       |

## 6.3.5 EirFunction

### 6.3.5.1 Definition

This IOC represents EIR functionality. For more information about the EIR, see 3GPP TS 23.002 [15].

### 6.3.5.2 Attributes

**Table 6.3.5.1: Attributes of EirFunction**

| Attribute name | Visibility | Support Qualifier | Read Qualifier | Write Qualifier |
|----------------|------------|-------------------|----------------|-----------------|
| eirFunctionId  | +          | M                 | M              | -               |
| userLabel      | +          | M                 | M              | M               |

**Table 6.3.5.2: Notifications of EirFunction**

| Name   | Qualifier   | Notes |
|--|---|-------|
| notifyAckStateChanged                          | See Alarm IRP (3GPP TS 32.111-2 [11])                 |       |
| notifyAttributeValueChange                     | O   |       |
| notifyChangedAlarm                             | See Alarm IRP (3GPP TS 32.111-2 [11])                 |       |
| notifyClearedAlarm                             | See Alarm IRP (3GPP TS 32.111-2 [11])                 |       |
| notifyNewAlarm                                 | See Alarm IRP (3GPP TS 32.111-2 [11])                 |       |
| notifyObjectCreation                           | O   |       |
| notifyObjectDeletion                           | O   |       |
| <a href="#">notifyComments</a>                 | <a href="#">See Alarm IRP (3GPP TS 32.111-2 [11])</a> |       |
| <a href="#">notifyAlarmListRebuilt</a>         | <a href="#">See Alarm IRP (3GPP TS 32.111-2 [11])</a> |       |
| <a href="#">notifyPotentialFaultyAlarmList</a> | <a href="#">See Alarm IRP (3GPP TS 32.111-2 [11])</a> |       |

## 6.3.6 SmslwmscFunction

### 6.3.6.1 Definition

This IOC represents SMS-IWMSM functionality. For more information about the SMS-IWMSM, see 3GPP TS 23.002 [15].

### 6.3.6.2 Attributes

**Table 6.3.6.1: Attributes of SmslwmscFunction**

| Attribute name     | Visibility | Support Qualifier | Read Qualifier | Write Qualifier |
|--------------------|------------|-------------------|----------------|-----------------|
| SmslwmscFunctionId | +          | M                 | M              | -               |
| userLabel          | +          | M                 | M              | M               |

**Table 6.3.6.2: Notifications of SmsIwmscFunction**

| Name   | Qualifier   | Notes |
|--|---|-------|
| notifyAckStateChanged                          | See Alarm IRP (3GPP TS 32.111-2 [11])                 |       |
| notifyAttributeValueChange                     | O   |       |
| notifyChangedAlarm                             | See Alarm IRP (3GPP TS 32.111-2 [11])                 |       |
| notifyClearedAlarm                             | See Alarm IRP (3GPP TS 32.111-2 [11])                 |       |
| notifyNewAlarm                                 | See Alarm IRP (3GPP TS 32.111-2 [11])                 |       |
| notifyObjectCreation                           | O   |       |
| notifyObjectDeletion                           | O   |       |
| <a href="#">notifyComments</a>                 | <a href="#">See Alarm IRP (3GPP TS 32.111-2 [11])</a> |       |
| <a href="#">notifyAlarmListRebuilt</a>         | <a href="#">See Alarm IRP (3GPP TS 32.111-2 [11])</a> |       |
| <a href="#">notifyPotentialFaultyAlarmList</a> | <a href="#">See Alarm IRP (3GPP TS 32.111-2 [11])</a> |       |

## 6.3.7 SmsGmscFunction

### 6.3.7.1 Definition

This IOC represents SMS-GMSC functionality. For more information about the SMS-GMSC, see 3GPP TS 23.002 [15].

### 6.3.7.2 Attributes

**Table 6.3.7.1: Attributes of SmsGmscFunction**

| Attribute name    | Visibility | Support Qualifier | Read Qualifier | Write Qualifier |
|-------------------|------------|-------------------|----------------|-----------------|
| SmsGmscFunctionId | +          | M                 | M              | -               |
| userLabel         | +          | M                 | M              | M               |

**Table 6.3.7.2: Notifications of SmsGmscFunction**

| Name   | Qualifier   | Notes |
|--|---|-------|
| notifyAckStateChanged                          | See Alarm IRP (3GPP TS 32.111-2 [11])                 |       |
| notifyAttributeValueChange                     | O   |       |
| notifyChangedAlarm                             | See Alarm IRP (3GPP TS 32.111-2 [11])                 |       |
| notifyClearedAlarm                             | See Alarm IRP (3GPP TS 32.111-2 [11])                 |       |
| notifyNewAlarm                                 | See Alarm IRP (3GPP TS 32.111-2 [11])                 |       |
| notifyObjectCreation                           | O   |       |
| notifyObjectDeletion                           | O   |       |
| <a href="#">notifyComments</a>                 | <a href="#">See Alarm IRP (3GPP TS 32.111-2 [11])</a> |       |
| <a href="#">notifyAlarmListRebuilt</a>         | <a href="#">See Alarm IRP (3GPP TS 32.111-2 [11])</a> |       |
| <a href="#">notifyPotentialFaultyAlarmList</a> | <a href="#">See Alarm IRP (3GPP TS 32.111-2 [11])</a> |       |

## 6.3.8 GmscFunction

### 6.3.8.1 Definition

This IOC represents GMSC functionality. For more information about the GMSC, see 3GPP TS 23.002 [15].

### 6.3.8.2 Attributes

**Table 6.3.8.1: Attributes of GmscFunction**

| Attribute name | Visibility | Support Qualifier | Read Qualifier | Write Qualifier |
|----------------|------------|-------------------|----------------|-----------------|
| gmscFunctionId | +          | M                 | M              | -               |
| userLabel      | +          | M                 | M              | M               |

**Table 6.3.8.2: Notifications of GmscFunction**

| Name   | Qualifier   | Notes |
|--|---|-------|
| notifyAckStateChanged                          | See Alarm IRP (3GPP TS 32.111-2 [11])                 |       |
| notifyAttributeValueChange                     | O   |       |
| notifyChangedAlarm                             | See Alarm IRP (3GPP TS 32.111-2 [11])                 |       |
| notifyClearedAlarm                             | See Alarm IRP (3GPP TS 32.111-2 [11])                 |       |
| notifyNewAlarm                                 | See Alarm IRP (3GPP TS 32.111-2 [11])                 |       |
| notifyObjectCreation                           | O   |       |
| notifyObjectDeletion                           | O   |       |
| <a href="#">notifyComments</a>                 | <a href="#">See Alarm IRP (3GPP TS 32.111-2 [11])</a> |       |
| <a href="#">notifyAlarmListRebuilt</a>         | <a href="#">See Alarm IRP (3GPP TS 32.111-2 [11])</a> |       |
| <a href="#">notifyPotentialFaultyAlarmList</a> | <a href="#">See Alarm IRP (3GPP TS 32.111-2 [11])</a> |       |

## 6.3.9 SgsnFunction

### 6.3.9.1 Definitions

This IOC represents SGSN functionality. For more information about the SGSN, see 3GPP TS 23.002 [15].

### 6.3.9.2 Attributes

**Table 6.3.9.1: Attributes of SgsnFunction**

| Attribute name               | Visibility | Support Qualifier | Read Qualifier | Write Qualifier |
|------------------------------|------------|-------------------|----------------|-----------------|
| sgsnFunctionId               | +          | M                 | M              | -               |
| userLabel                    | +          | M                 | M              | M               |
| mccList                      | +          | M                 | M              | M               |
| mncList                      | +          | M                 | M              | M               |
| lacList                      | +          | M                 | M              | M               |
| racList                      | +          | M                 | M              | M               |
| sacList                      | +          | M                 | M              | M               |
| sgsnId                       | +          | M                 | M              | M               |
| sgsnFunction-GSMCell         | +          | M                 | M              | -               |
| sgsnFunction-ExternalGSMCell | +          | M                 | M              | -               |

**Table 6.3.9.2: Notifications of SgsnFunction**

| Name   | Qualifier   | Notes |
|--|---|-------|
| notifyAckStateChanged                          | See Alarm IRP (3GPP TS 32.111-2 [11])                 |       |
| notifyAttributeValueChange                     | O   |       |
| notifyChangedAlarm                             | See Alarm IRP (3GPP TS 32.111-2 [11])                 |       |
| notifyClearedAlarm                             | See Alarm IRP (3GPP TS 32.111-2 [11])                 |       |
| notifyNewAlarm                                 | See Alarm IRP (3GPP TS 32.111-2 [11])                 |       |
| notifyObjectCreation                           | O   |       |
| notifyObjectDeletion                           | O   |       |
| <a href="#">notifyComments</a>                 | <a href="#">See Alarm IRP (3GPP TS 32.111-2 [11])</a> |       |
| <a href="#">notifyAlarmListRebuilt</a>         | <a href="#">See Alarm IRP (3GPP TS 32.111-2 [11])</a> |       |
| <a href="#">notifyPotentialFaultyAlarmList</a> | <a href="#">See Alarm IRP (3GPP TS 32.111-2 [11])</a> |       |

## 6.3.10 GgsnFunction

### 6.3.10.1 Definitions

This IOC represents GGSN functionality. For more information about the GGSN, see 3GPP TS 23.002 [15].

It inherits from ManagedFunction.

## 6.3.10.2 Attributes

**Table 6.3.10.1: Attributes of GgsnFunction**

| Attribute name | Visibility | Support Qualifier | Read Qualifier | Write Qualifier |
|----------------|------------|-------------------|----------------|-----------------|
| ggsnFunctionId | +          | M                 | M              | -               |
| userLabel      | +          | M                 | M              | M               |

**Table 6.3.10.2: Notifications of GgsnFunction**

| Name   | Qualifier   | Notes |
|--|---|-------|
| notifyAckStateChanged                          | See Alarm IRP (3GPP TS 32.111-2 [11])                 |       |
| notifyAttributeValueChange                     | O   |       |
| notifyChangedAlarm                             | See Alarm IRP (3GPP TS 32.111-2 [11])                 |       |
| notifyClearedAlarm                             | See Alarm IRP (3GPP TS 32.111-2 [11])                 |       |
| notifyNewAlarm                                 | See Alarm IRP (3GPP TS 32.111-2 [11])                 |       |
| notifyObjectCreation                           | O   |       |
| notifyObjectDeletion                           | O   |       |
| <a href="#">notifyComments</a>                 | <a href="#">See Alarm IRP (3GPP TS 32.111-2 [11])</a> |       |
| <a href="#">notifyAlarmListRebuilt</a>         | <a href="#">See Alarm IRP (3GPP TS 32.111-2 [11])</a> |       |
| <a href="#">notifyPotentialFaultyAlarmList</a> | <a href="#">See Alarm IRP (3GPP TS 32.111-2 [11])</a> |       |

## 6.3.11 BgFunction

### 6.3.11.1 Definitions

This IOC represents BG functionality. For more information about the BG, see 3GPP TS 23.002 [15].

### 6.3.11.2 Attributes

**Table 6.3.11.1: Attributes of BgFunction**

| Attribute name | Visibility | Support Qualifier | Read Qualifier | Write Qualifier |
|----------------|------------|-------------------|----------------|-----------------|
| bgFunctionId   | +          | M                 | M              | -               |
| userLabel      | +          | M                 | M              | M               |

**Table 6.3.11.2: Notifications of BgFunction**

| Name   | Qualifier   | Notes |
|--|---|-------|
| notifyAckStateChanged                          | See Alarm IRP (3GPP TS 32.111-2 [11])                 |       |
| notifyAttributeValueChange                     | O   |       |
| notifyChangedAlarm                             | See Alarm IRP (3GPP TS 32.111-2 [11])                 |       |
| notifyClearedAlarm                             | See Alarm IRP (3GPP TS 32.111-2 [11])                 |       |
| notifyNewAlarm                                 | See Alarm IRP (3GPP TS 32.111-2 [11])                 |       |
| notifyObjectCreation                           | O   |       |
| notifyObjectDeletion                           | O   |       |
| <a href="#">notifyComments</a>                 | <a href="#">See Alarm IRP (3GPP TS 32.111-2 [11])</a> |       |
| <a href="#">notifyAlarmListRebuilt</a>         | <a href="#">See Alarm IRP (3GPP TS 32.111-2 [11])</a> |       |
| <a href="#">notifyPotentialFaultyAlarmList</a> | <a href="#">See Alarm IRP (3GPP TS 32.111-2 [11])</a> |       |

## 6.3.12 SmlcFunction

### 6.3.12.1 Definitions

This IOC represents SMLC functionality. For more information about the SMLC, see 3GPP TS 23.002 [15].

### 6.3.12.2 Attributes

**Table 6.3.12.1: Attributes of SmlcFunction**

| Attribute name | Visibility | Support Qualifier | Read Qualifier | Write Qualifier |
|----------------|------------|-------------------|----------------|-----------------|
| smlcFunctionId | +          | M                 | M              | -               |
| userLabel      | +          | M                 | M              | M               |

**Table 6.3.12.2: Notifications of SmlcFunction**

| Name   | Qualifier   | Notes |
|--|---|-------|
| notifyAckStateChanged                          | See Alarm IRP (3GPP TS 32.111-2 [11])                 |       |
| notifyAttributeValueChange                     | O   |       |
| notifyChangedAlarm                             | See Alarm IRP (3GPP TS 32.111-2 [11])                 |       |
| notifyClearedAlarm                             | See Alarm IRP (3GPP TS 32.111-2 [11])                 |       |
| notifyNewAlarm                                 | See Alarm IRP (3GPP TS 32.111-2 [11])                 |       |
| notifyObjectCreation                           | O   |       |
| notifyObjectDeletion                           | O   |       |
| <a href="#">notifyComments</a>                 | <a href="#">See Alarm IRP (3GPP TS 32.111-2 [11])</a> |       |
| <a href="#">notifyAlarmListRebuilt</a>         | <a href="#">See Alarm IRP (3GPP TS 32.111-2 [11])</a> |       |
| <a href="#">notifyPotentialFaultyAlarmList</a> | <a href="#">See Alarm IRP (3GPP TS 32.111-2 [11])</a> |       |

### 6.3.13 GmlcFunction

#### 6.3.13.1 Definitions

This IOC represents GMLC functionality. For more information about the GMLC, see 3GPP TS 23.002 [15].

#### 6.3.13.2 Attributes

**Table 6.3.13.1: Attributes of GmlcFunction**

| Attribute name | Visibility | Support Qualifier | Read Qualifier | Write Qualifier |
|----------------|------------|-------------------|----------------|-----------------|
| gmlcFunctionId | +          | M                 | M              | -               |
| userLabel      | +          | M                 | M              | M               |

**Table 6.3.13.2: Notifications of GmlcFunction**

| Name   | Qualifier   | Notes |
|--|---|-------|
| notifyAckStateChanged                          | See Alarm IRP (3GPP TS 32.111-2 [11])                 |       |
| notifyAttributeValueChange                     | O   |       |
| notifyChangedAlarm                             | See Alarm IRP (3GPP TS 32.111-2 [11])                 |       |
| notifyClearedAlarm                             | See Alarm IRP (3GPP TS 32.111-2 [11])                 |       |
| notifyNewAlarm                                 | See Alarm IRP (3GPP TS 32.111-2 [11])                 |       |
| notifyObjectCreation                           | O   |       |
| notifyObjectDeletion                           | O   |       |
| <a href="#">notifyComments</a>                 | <a href="#">See Alarm IRP (3GPP TS 32.111-2 [11])</a> |       |
| <a href="#">notifyAlarmListRebuilt</a>         | <a href="#">See Alarm IRP (3GPP TS 32.111-2 [11])</a> |       |
| <a href="#">notifyPotentialFaultyAlarmList</a> | <a href="#">See Alarm IRP (3GPP TS 32.111-2 [11])</a> |       |

### 6.3.14 ScfFunction

#### 6.3.14.1 Definitions

This IOC represents SCF functionality (also referred to as gsmSCF). For more information about the SCF, see 3GPP TS 23.002 [15].



## 6.3.14.2 Attributes

**Table 6.3.14.1: Attributes of ScfFunction**

| Attribute name | Visibility | Support Qualifier | Read Qualifier | Write Qualifier |
|----------------|------------|-------------------|----------------|-----------------|
| scfFunctionId  | +          | M                 | M              | -               |
| userLabel      | +          | M                 | M              | M               |

**Table 6.3.14.2: Notifications of ScfFunction**

| Name   | Qualifier   | Notes |
|--|---|-------|
| notifyAckStateChanged                          | See Alarm IRP (3GPP TS 32.111-2 [11])                 |       |
| notifyAttributeValueChange                     | O   |       |
| notifyChangedAlarm                             | See Alarm IRP (3GPP TS 32.111-2 [11])                 |       |
| notifyClearedAlarm                             | See Alarm IRP (3GPP TS 32.111-2 [11])                 |       |
| notifyNewAlarm                                 | See Alarm IRP (3GPP TS 32.111-2 [11])                 |       |
| notifyObjectCreation                           | O   |       |
| notifyObjectDeletion                           | O   |       |
| <a href="#">notifyComments</a>                 | <a href="#">See Alarm IRP (3GPP TS 32.111-2 [11])</a> |       |
| <a href="#">notifyAlarmListRebuilt</a>         | <a href="#">See Alarm IRP (3GPP TS 32.111-2 [11])</a> |       |
| <a href="#">notifyPotentialFaultyAlarmList</a> | <a href="#">See Alarm IRP (3GPP TS 32.111-2 [11])</a> |       |

## 6.3.15 SrfFunction

### 6.3.15.1 Definitions

This IOC represents SRF functionality (also referred to as gsmSRF). For more information about the SRF, see 3GPP TS 23.002 [15].

### 6.3.15.2 Attributes

**Table 6.3.15.1: Attributes of SrfFunction**

| Attribute name | Visibility | Support Qualifier | Read Qualifier | Write Qualifier |
|----------------|------------|-------------------|----------------|-----------------|
| srfFunctionId  | +          | M                 | M              | -               |
| userLabel      | +          | M                 | M              | M               |

**Table 6.3.15.2: Notifications of SrfFunction**

| Name   | Qualifier   | Notes |
|--|---|-------|
| notifyAckStateChanged                          | See Alarm IRP (3GPP TS 32.111-2 [11])                 |       |
| notifyAttributeValueChange                     | O   |       |
| notifyChangedAlarm                             | See Alarm IRP (3GPP TS 32.111-2 [11])                 |       |
| notifyClearedAlarm                             | See Alarm IRP (3GPP TS 32.111-2 [11])                 |       |
| notifyNewAlarm                                 | See Alarm IRP (3GPP TS 32.111-2 [11])                 |       |
| notifyObjectCreation                           | O   |       |
| notifyObjectDeletion                           | O   |       |
| <a href="#">notifyComments</a>                 | <a href="#">See Alarm IRP (3GPP TS 32.111-2 [11])</a> |       |
| <a href="#">notifyAlarmListRebuilt</a>         | <a href="#">See Alarm IRP (3GPP TS 32.111-2 [11])</a> |       |
| <a href="#">notifyPotentialFaultyAlarmList</a> | <a href="#">See Alarm IRP (3GPP TS 32.111-2 [11])</a> |       |

## 6.3.16 CbcFunction

### 6.3.16.1 Definitions

This IOC represents CBC functionality. For more information about the CBC, see 3GPP TS 23.002 [15].

## 6.3.16.2 Attributes

**Table 6.3.16.1: Attributes of CbcFunction**

| Attribute name | Visibility | Support Qualifier | Read Qualifier | Write Qualifier |
|----------------|------------|-------------------|----------------|-----------------|
| cbcFunctionId  | +          | M                 | M              | -               |
| userLabel      | +          | M                 | M              | M               |

**Table 6.3.16.2: Notifications of CbcFunction**

| Name   | Qualifier   | Notes |
|--|---|-------|
| notifyAckStateChanged                          | See Alarm IRP (3GPP TS 32.111-2 [11])                 |       |
| notifyAttributeValueChange                     | O   |       |
| notifyChangedAlarm                             | See Alarm IRP (3GPP TS 32.111-2 [11])                 |       |
| notifyClearedAlarm                             | See Alarm IRP (3GPP TS 32.111-2 [11])                 |       |
| notifyNewAlarm                                 | See Alarm IRP (3GPP TS 32.111-2 [11])                 |       |
| notifyObjectCreation                           | O   |       |
| notifyObjectDeletion                           | O   |       |
| <a href="#">notifyComments</a>                 | <a href="#">See Alarm IRP (3GPP TS 32.111-2 [11])</a> |       |
| <a href="#">notifyAlarmListRebuilt</a>         | <a href="#">See Alarm IRP (3GPP TS 32.111-2 [11])</a> |       |
| <a href="#">notifyPotentialFaultyAlarmList</a> | <a href="#">See Alarm IRP (3GPP TS 32.111-2 [11])</a> |       |

## 6.3.17 CgfFunction

### 6.3.17.1 Definitions

This IOC represents CGF functionality. For more information about the CGF, see 3GPP TS 23.060 [18].

### 6.3.17.2 Attributes

**Table 6.3.17.1: Attributes of CgfFunction**

| Attribute name | Visibility | Support Qualifier | Read Qualifier | Write Qualifier |
|----------------|------------|-------------------|----------------|-----------------|
| cgfFunctionId  | +          | M                 | M              | -               |
| userLabel      | +          | M                 | M              | M               |

**Table 6.3.17.2: Notifications of CgfFunction**

| Name   | Qualifier   | Notes |
|--|---|-------|
| notifyAckStateChanged                          | See Alarm IRP (3GPP TS 32.111-2 [11])                 |       |
| notifyAttributeValueChange                     | O   |       |
| notifyChangedAlarm                             | See Alarm IRP (3GPP TS 32.111-2 [11])                 |       |
| notifyClearedAlarm                             | See Alarm IRP (3GPP TS 32.111-2 [11])                 |       |
| notifyNewAlarm                                 | See Alarm IRP (3GPP TS 32.111-2 [11])                 |       |
| notifyObjectCreation                           | O   |       |
| notifyObjectDeletion                           | O   |       |
| <a href="#">notifyComments</a>                 | <a href="#">See Alarm IRP (3GPP TS 32.111-2 [11])</a> |       |
| <a href="#">notifyAlarmListRebuilt</a>         | <a href="#">See Alarm IRP (3GPP TS 32.111-2 [11])</a> |       |
| <a href="#">notifyPotentialFaultyAlarmList</a> | <a href="#">See Alarm IRP (3GPP TS 32.111-2 [11])</a> |       |

## 6.3.18 MgwFunction

### 6.3.18.1 Definitions

This IOC represents IM-MGW functionality. For more information about MGW, see 3GPP TS 23.002 [15].

### 6.3.18.2 Attributes

**Table 6.3.18.1: Attributes of MgwFunction**

| Attribute name | Visibility | Support Qualifier | Read Qualifier | Write Qualifier |
|----------------|------------|-------------------|----------------|-----------------|
| mgwFunctionId  | +          | M                 | M              | -               |
| userLabel      | +          | M                 | M              | M               |

**Table 6.3.18.2: Notifications of MgwFunction**

| Name   | Qualifier   | Notes |
|--|---|-------|
| notifyAckStateChanged                          | See Alarm IRP (3GPP TS 32.111-2 [11])                 |       |
| notifyAttributeValueChange                     | O   |       |
| notifyChangedAlarm                             | See Alarm IRP (3GPP TS 32.111-2 [11])                 |       |
| notifyClearedAlarm                             | See Alarm IRP (3GPP TS 32.111-2 [11])                 |       |
| notifyNewAlarm                                 | See Alarm IRP (3GPP TS 32.111-2 [11])                 |       |
| notifyObjectCreation                           | O   |       |
| notifyObjectDeletion                           | O   |       |
| <a href="#">notifyComments</a>                 | <a href="#">See Alarm IRP (3GPP TS 32.111-2 [11])</a> |       |
| <a href="#">notifyAlarmListRebuilt</a>         | <a href="#">See Alarm IRP (3GPP TS 32.111-2 [11])</a> |       |
| <a href="#">notifyPotentialFaultyAlarmList</a> | <a href="#">See Alarm IRP (3GPP TS 32.111-2 [11])</a> |       |

## 6.3.19 GmscServerFunction

### 6.3.19.1 Definitions

This IOC represents GMSCServer functionality. For more information about GMSCServer, see 3GPP TS 23.002 [15].

### 6.3.19.2 Attributes

**Table 6.3.19.1: Attributes of GmscServerFunction**

| Attribute name       | Visibility | Support Qualifier | Read Qualifier | Write Qualifier |
|----------------------|------------|-------------------|----------------|-----------------|
| gmscServerFunctionId | +          | M                 | M              | -               |
| userLabel            | +          | M                 | M              | M               |

**Table 6.3.19.2: Notifications of GmscServerFunction**

| Name   | Qualifier   | Notes |
|--|---|-------|
| notifyAckStateChanged                          | See Alarm IRP (3GPP TS 32.111-2 [11])                 |       |
| notifyAttributeValueChange                     | O   |       |
| notifyChangedAlarm                             | See Alarm IRP (3GPP TS 32.111-2 [11])                 |       |
| notifyClearedAlarm                             | See Alarm IRP (3GPP TS 32.111-2 [11])                 |       |
| notifyNewAlarm                                 | See Alarm IRP (3GPP TS 32.111-2 [11])                 |       |
| notifyObjectCreation                           | O   |       |
| notifyObjectDeletion                           | O   |       |
| <a href="#">notifyComments</a>                 | <a href="#">See Alarm IRP (3GPP TS 32.111-2 [11])</a> |       |
| <a href="#">notifyAlarmListRebuilt</a>         | <a href="#">See Alarm IRP (3GPP TS 32.111-2 [11])</a> |       |
| <a href="#">notifyPotentialFaultyAlarmList</a> | <a href="#">See Alarm IRP (3GPP TS 32.111-2 [11])</a> |       |

## 6.3.20 IwfFunction

### 6.3.20.1 Attributes

This IOC represents IWF functionality. For more information about IWF, see 3GPP TS 23.002 [15].

## 6.3.20.2 Attributes

**Table 6.3.20.1: Attributes of IwfFunction**

| Attribute name | Visibility | Support Qualifier | Read Qualifier | Write Qualifier |
|----------------|------------|-------------------|----------------|-----------------|
| iwfFunctionId  | +          | M                 | M              | -               |
| userLabel      | +          | M                 | M              | M               |

**Table 6.3.20.2: Notifications of IwfFunction**

| Name   | Qualifier   | Notes |
|--|---|-------|
| notifyAckStateChanged                          | See Alarm IRP (3GPP TS 32.111-2 [11])                 |       |
| notifyAttributeValueChange                     | O   |       |
| notifyChangedAlarm                             | See Alarm IRP (3GPP TS 32.111-2 [11])                 |       |
| notifyClearedAlarm                             | See Alarm IRP (3GPP TS 32.111-2 [11])                 |       |
| notifyNewAlarm                                 | See Alarm IRP (3GPP TS 32.111-2 [11])                 |       |
| notifyObjectCreation                           | O   |       |
| notifyObjectDeletion                           | O   |       |
| <a href="#">notifyComments</a>                 | <a href="#">See Alarm IRP (3GPP TS 32.111-2 [11])</a> |       |
| <a href="#">notifyAlarmListRebuilt</a>         | <a href="#">See Alarm IRP (3GPP TS 32.111-2 [11])</a> |       |
| <a href="#">notifyPotentialFaultyAlarmList</a> | <a href="#">See Alarm IRP (3GPP TS 32.111-2 [11])</a> |       |

## 6.3.21 MnpSrfFunction

### 6.3.21.1 Definitions

This IOC represents MNP-SRF functionality (also known as FNR). For more information about MNP-SRF, see 3GPP TS 23.002 [15].

### 6.3.21.2 Attributes

**Table 6.3.21.1: Attributes of MnpSrfFunction**

| Attribute name   | Visibility | Support Qualifier | Read Qualifier | Write Qualifier |
|------------------|------------|-------------------|----------------|-----------------|
| mnpSrfFunctionId | +          | M                 | M              | -               |
| userLabel        | +          | M                 | M              | M               |

**Table 6.3.21.2: Notifications of MnpSrfFunction**

| Name   | Qualifier   | Notes |
|--|---|-------|
| notifyAckStateChanged                          | See Alarm IRP (3GPP TS 32.111-2 [11])                 |       |
| notifyAttributeValueChange                     | O   |       |
| notifyChangedAlarm                             | See Alarm IRP (3GPP TS 32.111-2 [11])                 |       |
| notifyClearedAlarm                             | See Alarm IRP (3GPP TS 32.111-2 [11])                 |       |
| notifyNewAlarm                                 | See Alarm IRP (3GPP TS 32.111-2 [11])                 |       |
| notifyObjectCreation                           | O   |       |
| notifyObjectDeletion                           | O   |       |
| <a href="#">notifyComments</a>                 | <a href="#">See Alarm IRP (3GPP TS 32.111-2 [11])</a> |       |
| <a href="#">notifyAlarmListRebuilt</a>         | <a href="#">See Alarm IRP (3GPP TS 32.111-2 [11])</a> |       |
| <a href="#">notifyPotentialFaultyAlarmList</a> | <a href="#">See Alarm IRP (3GPP TS 32.111-2 [11])</a> |       |

## 6.3.22 NpdbFunction

### 6.3.22.1 Definitions

This IOC represents NPDB functionality. For more information about NPDB, see 3GPP TS 23.002 [15].

### 6.3.22.2 Attributes

**Table 6.3.22.1: Attributes of NpdbFunction**

| Attribute name | Visibility | Support Qualifier | Read Qualifier | Write Qualifier |
|----------------|------------|-------------------|----------------|-----------------|
| npdbFunctionId | +          | M                 | M              | -               |
| userLabel      | +          | M                 | M              | M               |

**Table 6.3.22.2: Notifications of NpdbFunction**

| Name   | Qualifier   | Notes |
|--|---|-------|
| notifyAckStateChanged                          | See Alarm IRP (3GPP TS 32.111-2 [11])                 |       |
| notifyAttributeValueChange                     | O   |       |
| notifyChangedAlarm                             | See Alarm IRP (3GPP TS 32.111-2 [11])                 |       |
| notifyClearedAlarm                             | See Alarm IRP (3GPP TS 32.111-2 [11])                 |       |
| notifyNewAlarm                                 | See Alarm IRP (3GPP TS 32.111-2 [11])                 |       |
| notifyObjectCreation                           | O   |       |
| notifyObjectDeletion                           | O   |       |
| <a href="#">notifyComments</a>                 | <a href="#">See Alarm IRP (3GPP TS 32.111-2 [11])</a> |       |
| <a href="#">notifyAlarmListRebuilt</a>         | <a href="#">See Alarm IRP (3GPP TS 32.111-2 [11])</a> |       |
| <a href="#">notifyPotentialFaultyAlarmList</a> | <a href="#">See Alarm IRP (3GPP TS 32.111-2 [11])</a> |       |

### 6.3.23 SgwFunction

#### 6.3.23.1 Definitions

This IOC represents SGW functionality. For more information about SGW, see 3GPP TS 23.002 [15].

#### 6.3.23.2 Attributes

**Table 6.3.23.1: Attributes of SgwFunction**

| Attribute name | Visibility | Support Qualifier | Read Qualifier | Write Qualifier |
|----------------|------------|-------------------|----------------|-----------------|
| sgwFunctionId  | +          | M                 | M              | -               |
| userLabel      | +          | M                 | M              | M               |

**Table 6.3.23.2: Notifications of SgwFunction**

| Name   | Qualifier   | Notes |
|--|---|-------|
| notifyAckStateChanged                          | See Alarm IRP (3GPP TS 32.111-2 [11])                 |       |
| notifyAttributeValueChange                     | O   |       |
| notifyChangedAlarm                             | See Alarm IRP (3GPP TS 32.111-2 [11])                 |       |
| notifyClearedAlarm                             | See Alarm IRP (3GPP TS 32.111-2 [11])                 |       |
| notifyNewAlarm                                 | See Alarm IRP (3GPP TS 32.111-2 [11])                 |       |
| notifyObjectCreation                           | O   |       |
| notifyObjectDeletion                           | O   |       |
| <a href="#">notifyComments</a>                 | <a href="#">See Alarm IRP (3GPP TS 32.111-2 [11])</a> |       |
| <a href="#">notifyAlarmListRebuilt</a>         | <a href="#">See Alarm IRP (3GPP TS 32.111-2 [11])</a> |       |
| <a href="#">notifyPotentialFaultyAlarmList</a> | <a href="#">See Alarm IRP (3GPP TS 32.111-2 [11])</a> |       |

### 6.3.24 SsfFunction

#### 6.3.24.1 Definitions

This IOC represents SSF functionality. For more information about SSF, see 3GPP TS 23.002 [15].

### 6.3.24.2 Attributes

**Table 6.3.24.1: Attributes of SsfFunction**

| Attribute name | Visibility | Support Qualifier | Read Qualifier | Write Qualifier |
|----------------|------------|-------------------|----------------|-----------------|
| ssfFunctionId  | +          | M                 | M              | -               |
| userLabel      | +          | M                 | M              | M               |

**Table 6.3.24.2: Notifications of SsfFunction**

| Name   | Qualifier   | Notes |
|--|---|-------|
| notifyAckStateChanged                          | See Alarm IRP (3GPP TS 32.111-2 [11])                 |       |
| notifyAttributeValueChange                     | O   |       |
| notifyChangedAlarm                             | See Alarm IRP (3GPP TS 32.111-2 [11])                 |       |
| notifyClearedAlarm                             | See Alarm IRP (3GPP TS 32.111-2 [11])                 |       |
| notifyNewAlarm                                 | See Alarm IRP (3GPP TS 32.111-2 [11])                 |       |
| notifyObjectCreation                           | O   |       |
| notifyObjectDeletion                           | O   |       |
| <a href="#">notifyComments</a>                 | <a href="#">See Alarm IRP (3GPP TS 32.111-2 [11])</a> |       |
| <a href="#">notifyAlarmListRebuilt</a>         | <a href="#">See Alarm IRP (3GPP TS 32.111-2 [11])</a> |       |
| <a href="#">notifyPotentialFaultyAlarmList</a> | <a href="#">See Alarm IRP (3GPP TS 32.111-2 [11])</a> |       |

### 6.3.25 BsFunction

#### 6.3.25.1 Definitions

This IOC represents BS functionality. For more information about BS, see 3GPP TS 23.060 [18].

#### 6.3.25.2 Attributes

**Table 6.3.25.1: Attributes of BsFunction**

| Attribute name | Visibility | Support Qualifier | Read Qualifier | Write Qualifier |
|----------------|------------|-------------------|----------------|-----------------|
| bsFunctionId   | +          | M                 | M              | -               |
| userLabel      | +          | M                 | M              | M               |

**Table 6.3.25.2: Notifications of BsFunction**

| Name   | Qualifier   | Notes |
|--|---|-------|
| notifyAckStateChanged                          | See Alarm IRP (3GPP TS 32.111-2 [11])                 |       |
| notifyAttributeValueChange                     | O   |       |
| notifyChangedAlarm                             | See Alarm IRP (3GPP TS 32.111-2 [11])                 |       |
| notifyClearedAlarm                             | See Alarm IRP (3GPP TS 32.111-2 [11])                 |       |
| notifyNewAlarm                                 | See Alarm IRP (3GPP TS 32.111-2 [11])                 |       |
| notifyObjectCreation                           | O   |       |
| notifyObjectDeletion                           | O   |       |
| <a href="#">notifyComments</a>                 | <a href="#">See Alarm IRP (3GPP TS 32.111-2 [11])</a> |       |
| <a href="#">notifyAlarmListRebuilt</a>         | <a href="#">See Alarm IRP (3GPP TS 32.111-2 [11])</a> |       |
| <a href="#">notifyPotentialFaultyAlarmList</a> | <a href="#">See Alarm IRP (3GPP TS 32.111-2 [11])</a> |       |

### 6.3.26 IucsLink

#### 6.3.26.1 Definitions

This IOC represents a Iu-cs interface link connecting a MSCserver to the RNC or BSC. For more information about the Iu interface, see 3GPP TS 23.002 [15].

## 6.3.26.2 Attributes

Table 6.3.26.1: Attributes of lucsLink

| Attribute name | Visibility | Support Qualifier | Read Qualifier | Write Qualifier |
|----------------|------------|-------------------|----------------|-----------------|
| iucslinkId     | +          | M                 | M              | -               |
| userLabel      | +          | M                 | M              | M               |
| connectedRnc   | +          | M                 | M              | -               |
| connectedBss   | +          | M                 | M              | -               |

Table 6.3.26.2: Notifications of lucsLink

| Name   | Qualifier   | Notes |
|--|---|-------|
| notifyAckStateChanged                          | See Alarm IRP (3GPP TS 32.111-2 [11])                 |       |
| notifyAttributeValueChange                     | O   |       |
| notifyChangedAlarm                             | See Alarm IRP (3GPP TS 32.111-2 [11])                 |       |
| notifyClearedAlarm                             | See Alarm IRP (3GPP TS 32.111-2 [11])                 |       |
| notifyNewAlarm                                 | See Alarm IRP (3GPP TS 32.111-2 [11])                 |       |
| notifyObjectCreation                           | O   |       |
| notifyObjectDeletion                           | O   |       |
| <a href="#">notifyComments</a>                 | <a href="#">See Alarm IRP (3GPP TS 32.111-2 [11])</a> |       |
| <a href="#">notifyAlarmListRebuilt</a>         | <a href="#">See Alarm IRP (3GPP TS 32.111-2 [11])</a> |       |
| <a href="#">notifyPotentialFaultyAlarmList</a> | <a href="#">See Alarm IRP (3GPP TS 32.111-2 [11])</a> |       |

## 6.3.27 IupsLink

## 6.3.27.1 Definitions

This IOC represents a Iu-ps interface link connecting a SGSN to the RNC or BSC. For more information about the Iu interface, see 3GPP TS 23.002 [15].

## 6.3.27.2 Attributes

Table 6.3.27.1: Attributes of IupsLink

| Attribute name | Visibility | Support Qualifier | Read Qualifier | Write Qualifier |
|----------------|------------|-------------------|----------------|-----------------|
| iupslinkId     | +          | M                 | M              | -               |
| userLabel      | +          | M                 | M              | M               |
| connectedRnc   | +          | O                 | M              | -               |
| connectedBss   | +          | O                 | M              | -               |

NOTE: An instance of an IupsLink can only be connected to an RNC or a BSS.

Table 6.3.27.2: Notifications of IupsLink

| Name   | Qualifier   | Notes |
|--|---|-------|
| notifyAckStateChanged                          | See Alarm IRP (3GPP TS 32.111-2 [11])                 |       |
| notifyAttributeValueChange                     | O   |       |
| notifyChangedAlarm                             | See Alarm IRP (3GPP TS 32.111-2 [11])                 |       |
| notifyClearedAlarm                             | See Alarm IRP (3GPP TS 32.111-2 [11])                 |       |
| notifyNewAlarm                                 | See Alarm IRP (3GPP TS 32.111-2 [11])                 |       |
| notifyObjectCreation                           | O   |       |
| notifyObjectDeletion                           | O   |       |
| <a href="#">notifyComments</a>                 | <a href="#">See Alarm IRP (3GPP TS 32.111-2 [11])</a> |       |
| <a href="#">notifyAlarmListRebuilt</a>         | <a href="#">See Alarm IRP (3GPP TS 32.111-2 [11])</a> |       |
| <a href="#">notifyPotentialFaultyAlarmList</a> | <a href="#">See Alarm IRP (3GPP TS 32.111-2 [11])</a> |       |

## 6.3.28 IubcLink

### 6.3.28.1 Definitions

This IOC represents a Iu-bc interface link connecting a CBC to the RNC. For more information about the Iu interface, see 3GPP TS 23.002 [15].

### 6.3.28.2 Attributes

**Table 6.3.28.1: Attributes of IubcLink**

| Attribute name | Visibility | Support Qualifier | Read Qualifier | Write Qualifier |
|----------------|------------|-------------------|----------------|-----------------|
| iubcLinkId     | +          | M                 | M              | -               |
| userLabel      | +          | M                 | M              | M               |
| connectedRnc   | +          | M                 | M              | -               |

**Table 6.3.28.2: Notifications of IubcLink**

| Name   | Qualifier   | Notes |
|--|---|-------|
| notifyAckStateChanged                          | See Alarm IRP (3GPP TS 32.111-2 [11])                 |       |
| notifyAttributeValueChange                     | O   |       |
| notifyChangedAlarm                             | See Alarm IRP (3GPP TS 32.111-2 [11])                 |       |
| notifyClearedAlarm                             | See Alarm IRP (3GPP TS 32.111-2 [11])                 |       |
| notifyNewAlarm                                 | See Alarm IRP (3GPP TS 32.111-2 [11])                 |       |
| notifyObjectCreation                           | O   |       |
| notifyObjectDeletion                           | O   |       |
| <a href="#">notifyComments</a>                 | <a href="#">See Alarm IRP (3GPP TS 32.111-2 [11])</a> |       |
| <a href="#">notifyAlarmListRebuilt</a>         | <a href="#">See Alarm IRP (3GPP TS 32.111-2 [11])</a> |       |
| <a href="#">notifyPotentialFaultyAlarmList</a> | <a href="#">See Alarm IRP (3GPP TS 32.111-2 [11])</a> |       |

## 6.3.29 ALink

### 6.3.29.1 Definitions

This IOC represents the A interface link connecting a MSC to the GERAN. For more information about the GERAN, see 3GPP TS 23.002 [15].

### 6.3.29.2 Attributes

**Table 6.3.29.1: Attributes of ALink**

| Attribute name | Visibility | Support Qualifier | Read Qualifier | Write Qualifier |
|----------------|------------|-------------------|----------------|-----------------|
| aLinkId        | +          | M                 | M              | -               |
| userLabel      | +          | M                 | M              | M               |
| connectedBss   | +          | M                 | M              | -               |



**Table 6.3.29.2: Notifications of ALink**

| Name   | Qualifier   | Notes |
|--|---|-------|
| notifyAckStateChanged                          | See Alarm IRP (3GPP TS 32.111-2 [11])                 |       |
| notifyAttributeValueChange                     | O   |       |
| notifyChangedAlarm                             | See Alarm IRP (3GPP TS 32.111-2 [11])                 |       |
| notifyClearedAlarm                             | See Alarm IRP (3GPP TS 32.111-2 [11])                 |       |
| notifyNewAlarm                                 | See Alarm IRP (3GPP TS 32.111-2 [11])                 |       |
| notifyObjectCreation                           | O   |       |
| notifyObjectDeletion                           | O   |       |
| <a href="#">notifyComments</a>                 | <a href="#">See Alarm IRP (3GPP TS 32.111-2 [11])</a> |       |
| <a href="#">notifyAlarmListRebuilt</a>         | <a href="#">See Alarm IRP (3GPP TS 32.111-2 [11])</a> |       |
| <a href="#">notifyPotentialFaultyAlarmList</a> | <a href="#">See Alarm IRP (3GPP TS 32.111-2 [11])</a> |       |

## 6.3.30 GbLink

### 6.3.30.1 Definitions

This IOC represents the Gb interface link connecting a SGSN to the GERAN. For more information about the GERAN, see 3GPP TS 23.002 [15].

### 6.3.30.2 Attributes

**Table 6.3.30.1: Attributes of GbLink**

| Attribute name | Visibility | Support Qualifier | Read Qualifier | Write Qualifier |
|----------------|------------|-------------------|----------------|-----------------|
| gbLinkId       | +          | M                 | M              | -               |
| userLabel      | +          | M                 | M              | M               |
| connectedBss   | +          | M                 | M              | -               |

**Table 6.3.30.2: Notifications of GbLink**

| Name   | Qualifier   | Notes |
|--|---|-------|
| notifyAckStateChanged                          | See Alarm IRP (3GPP TS 32.111-2 [11])                 |       |
| notifyAttributeValueChange                     | O   |       |
| notifyChangedAlarm                             | See Alarm IRP (3GPP TS 32.111-2 [11])                 |       |
| notifyClearedAlarm                             | See Alarm IRP (3GPP TS 32.111-2 [11])                 |       |
| notifyNewAlarm                                 | See Alarm IRP (3GPP TS 32.111-2 [11])                 |       |
| notifyObjectCreation                           | O   |       |
| notifyObjectDeletion                           | O   |       |
| <a href="#">notifyComments</a>                 | <a href="#">See Alarm IRP (3GPP TS 32.111-2 [11])</a> |       |
| <a href="#">notifyAlarmListRebuilt</a>         | <a href="#">See Alarm IRP (3GPP TS 32.111-2 [11])</a> |       |
| <a href="#">notifyPotentialFaultyAlarmList</a> | <a href="#">See Alarm IRP (3GPP TS 32.111-2 [11])</a> |       |

## 6.3.31 CsMgwFunction

### 6.3.31.1 Definitionss

This IOC represents CS-MGW functionality. For more information about MGW, see 3GPP TS 23.002 [15].

6.3.31.2 Attributes

Table 6.3.31.1: Attributes of CsMgwFunction

| Attribute name                   | Visibility | Support Qualifier | Read Qualifier | Write Qualifier |
|----------------------------------|------------|-------------------|----------------|-----------------|
| csmgwFunctionId                  | +          | M                 | M              | -               |
| userLabel                        | +          | M                 | M              | M               |
| csMgwFunction- MscServerFunction | +          | M                 | M              | -               |
| csMgwFunction- lucsLink          | +          | M                 | M              | -               |
| csMgwFunction- ALink             | +          | M                 | M              | -               |

Table 6.3.31.2: Notifications of CsMgwFunction

| Name   | Qualifier   | Notes |
|--|---|-------|
| notifyAckStateChanged                          | See Alarm IRP (3GPP TS 32.111-2 [11])                 |       |
| notifyAttributeValueChange                     | O   |       |
| notifyChangedAlarm                             | See Alarm IRP (3GPP TS 32.111-2 [11])                 |       |
| notifyClearedAlarm                             | See Alarm IRP (3GPP TS 32.111-2 [11])                 |       |
| notifyNewAlarm                                 | See Alarm IRP (3GPP TS 32.111-2 [11])                 |       |
| notifyObjectCreation                           | O   |       |
| notifyObjectDeletion                           | O   |       |
| <a href="#">notifyComments</a>                 | <a href="#">See Alarm IRP (3GPP TS 32.111-2 [11])</a> |       |
| <a href="#">notifyAlarmListRebuilt</a>         | <a href="#">See Alarm IRP (3GPP TS 32.111-2 [11])</a> |       |
| <a href="#">notifyPotentialFaultyAlarmList</a> | <a href="#">See Alarm IRP (3GPP TS 32.111-2 [11])</a> |       |

**End of Change in Clause 6.3**  
**End of Document**

## 6.4 Annex A (informative): Change history

| Change history |       |           |     |     |   |       |       |
|----------------|-------|-----------|-----|-----|---|-------|-------|
| Date           | TSG # | TSG Doc.  | CR  | Rev | Subject/Comment   | Old   | New   |
| Jun 2001       | S_12  | SP-010283 | --  | --  | Approved at TSG SA #12 and placed under Change Control  | 2.0.0 | 4.0.0 |
| Dec 2001       | S_14  | SP-010649 | 001 | --  | Removal of MOC FnrFunction from the diagrams  | 4.0.0 | 4.1.0 |
| Jun 2002       | S_16  | SP-020302 | 002 | --  | Align with Rel-4 Network Architecture (23.002) by changing Roaming Signalling Gateway (R-SGW) to Signalling Gateway (SGW)                                 | 4.1.0 | 4.2.0 |
| Sep 2002       | S_17  | SP-020489 | 003 | --  | Upgrade to Rel-5 the Network Resource Model for Core Network Management (add Managed Object Classes (MOCs)) [NOTE: Align with Rel-5 Network Architecture] | 4.2.0 | 5.0.0 |
| Dec 2002       | S_18  | SP-020747 | 004 | --  | Removal of faulty attribute uralist   | 5.0.0 | 5.1.0 |
| Mar 2003       | S_19  | SP-030142 | 006 | --  | CN Network Resource Model changed to the New Methodology - alignment with 32.102 (Telecommunication management; Architecture)                             | 5.1.0 | 5.2.0 |
| Jun 2003       | S_20  | SP-030281 | 007 | --  | CN Network Resource Model changed to the New Methodology - alignment with 32.102  | 5.2.0 | 5.3.0 |