| | |
|---|---|
| **Source:** | **SA5 (Telecom Management)** |
| **Title:** | **2 Rel-5 CR 32.624/634 Alignment with the ISs 32.622/632** |
| **Document for:** | **Decision** |
| **Agenda Item:** | **7.5.3** |

| Doc-1st-Level | Spec | CR | R | Phase | Subject | Cat | Vers. | Doc-2nd-Lev | Workitem |
|---|---|---|---|---|---|---|---|---|---|
| SP-040130 | 32.624 | 013 | - | Rel-5 | Correction of OIDs and alignment of notification support with the IS 32.623 | F | 5.2.0 | S5-048181 | OAM-NIM |
| SP-040130 | 32.634 | 004 | - | Rel-5 | Removal of the attribute uraList from the MOC MscServerFunction – Alignment with the IS 32.632 | F | 5.1.0 | S5-048148 | OAM-NIM |

*CR-Form-v7*

# CHANGE REQUEST

| ⌘ | **32.624** CR **013** | ⌘**rev** | **-** | ⌘ | Current version: | **5.2.0** | ⌘ |

*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 **X**  Core Network **X**

| | | |
|---|---|---|
| *Title:* | ⌘ | Correction of OIDs and alignment of notification support with the IS 32.622 |
| *Source:* | ⌘ | SA5 (olaf.pollakowski@siemens.com) |
| *Work item code:* ⌘ | OAM-NIM | *Date:* ⌘ 27/02/2004 |

| | |
|---|---|
| *Category:* ⌘ **F** | *Release:* ⌘ Rel-5 |

*Use one of the following categories:*
*F (correction)*
*A (corresponds to a correction in an earlier release)*
*B (addition of feature),*
*C (functional modification of feature)*
*D (editorial modification)*
Detailed explanations of the above categories can
be found in 3GPP TR 21.900.

*Use one of the following releases:*
*2 (GSM Phase 2)*
*R96 (Release 1996)*
*R97 (Release 1997)*
*R98 (Release 1998)*
*R99 (Release 1999)*
*Rel-4 (Release 4)*
*Rel-5 (Release 5)*
*Rel-6 (Release 6)*

| | | |
|---|---|---|
| *Reason for change:* | ⌘ | When upgrading TS 32.624 to Rel-5 the OIDs of some MOCs have been changed erroneously. Also, support of notifications is not aligned with the IS. |
| *Summary of change:* ⌘ | | The changed OIDs are reset to their Rel-4 value and the support of notifications is aligned with the IS. |
| *Consequences if not approved:* | ⌘ | The changed OIDs will lead to interoperability problems. With respect to notification support, the CMIP SS would not be aligned with the IS. |

| | | |
|---|---|---|
| *Clauses affected:* | ⌘ | 1, 4, 5, 6 |

| | Y | N | | |
|---|---|---|---|---|
| *Other specs affected:* ⌘ | | X | Other core specifications | ⌘ |
| | | X | Test specifications | |
| | | X | O&M Specifications | |

| | | |
|---|---|---|
| *Other comments:* | ⌘ | |

# 1 Scope

The present document specifies the Common Management Information Protocol (CMIP) Solution Set (SS) for the Generic Network Resource Integration Reference Point (IRP): Network Resource Model defined in 3GPP TS 32.622 [4].

This Solution Set specification is related to 3GPP TS 32.622 V5.3~~1~~.x [4].

In detail:

- Clause 4 contains an introduction to some concepts that are the base for some specific aspects of the CMIP interfaces.

- Clause 5 contains the GDMO definitions for the Alarm Management over the CMIP interfaces

- Clause 6 contains the ASN.1 definitions supporting the GDMO definitions provided in clause 5.

# 4 Basic aspects

## 4.1 Explanation

A technology independent generic network resource model is defined in 3GPP TS 32.622 [4] for 3G networks. This document provides an implementation of this generic network resource model by using CMIP technology.

## 4.2 Void

## 4.3 Mapping

The semantic of the Generic Network Resource Model is defined in 3GPP TS 32.622 [4]. The specification of the information object classes defined there is independent of any implementation technology and protocol.
This subclause maps these technology and protocol independent definitions onto the equivalencies of the CMIP Solution Set of the Generic Network Resource IRP.

### 4.3.1 Mapping from IOCs to MOCs

Table 1 maps the information object classes defined in the Generic Network Resource Model onto the equivalent MOCs of the CMIP Solution Set.

**Table 1: Mapping of MOCs**

| Information Objects of the Generic NR IRP NRM | MOCs of this CMIP SS |
|---|---|
| ManagedElement | managedElement |
| SubNetwork | subNetwork |
| IRPAgent | irpAgent |
| ManagedFunction | managedFunction |
| ManagementNode | managementNode |
| MeContext | meContext |
| GenericIRP | no equivalence |
| VsDataContainer | no equivalence |
| Top | top (ITU-T Rec. X.721 [6]) |

## 4.3.2   Mapping of Attributes

This chapter depicts the mapping of the attributes defined in 3GPP TS 32.622 [4] on the corresponding attributes of the CMIP Solution Set.

### 4.3.2.1        Attribute Mapping of the IOC *IRPAgent*

**Table 2: Attribute mapping of the IOC *IRPAgent***

| IS Attribute | CMIP SS Attribute | Support Qualifier | Read Qualifier | Read Qualifier |
|---|---|---|---|---|
| iRPAgentId | irpAgentId | M | M | -- |
| systemDN | This IS parameter is not used in the CMIP SS. | -- | -- | -- |

### 4.3.2.2        Attribute Mapping of the IOC *ManagedElement*

**Table 3: Attribute mapping of the IOC *ManagedElement***

| IS Attribute | CMIP SS Attribute | Support Qualifier | Read Qualifier | Write Qualifier |
|---|---|---|---|---|
| managedElementId | managedElementId | M | M | -- |
| dnPrefix | systemTitle (ITU-T Rec. X.721 [6]) | M | M | -- |
| managedElementType | managedElementType | M | M | -- |
| userLabel | userLabel (ITU-T Rec. M.3100 [9]) | M | M | M |
| vendorName | vendorName (ITU-T Rec. M.3100 [9]) | M | M | -- |
| userDefinedState | userDefinedState | M | M | M |
| locationName | locationName (ITU-T Rec. M.3100 [9]) | M | M | -- |
| swVersion | swVersion | M | M | -- |

### 4.3.2.3        Attribute Mapping of the IOC *ManagedFunction*

**Table 4: Attribute mapping of the IOC *ManagedFunction***

| IS Attribute | CMIP SS Attribute | Support Qualifier | Read Qualifier | Write Qualifier |
|---|---|---|---|---|
| userLabel | userLabel (ITU-T Rec. M.3100 [9]) | M | M | M |

### 4.3.2.4 Attribute Mapping of the IOC *ManagementNode*

**Table 5: Attribute mapping of the IOC *ManagementNode***

| IS Attribute | CMIP SS Attribute | Support Qualifier | Read Qualifier | Write Qualifier |
|---|---|---|---|---|
| managementNodeId | managementNodeId | M | M | -- |
| userLabel | userLabel (ITU-T Rec. M.3100 [9]) | M | M | M |
| vendorName | vendorName (ITU-T Rec. M.3100 [9]) | M | M | -- |
| userDefinedState | userDefinedState | M | M | M |
| locationName | locationName (ITU-T Rec. M.3100 [9]) | M | M | -- |
| swVersion | swVersion | M | M | -- |

### 4.3.2.5 Attribute Mapping of the IOC *MeContext*

**Table 6: Attribute mapping of the IOC *MeContext***

| IS Attribute | CMIP SS Attribute | Support Qualifier | Read Qualifier | Write Qualifier |
|---|---|---|---|---|
| meContextId | meContextId | M | M | -- |
| dnPrefix | systemTitle (ITU-T Rec. X.721 [6]) | M | M | -- |

### 4.3.2.6 Attribute Mapping of the IOC *SubNetwork*

**Table 7: Attribute mapping of the IOC *SubNetwork***

| IS Attribute | CMIP SS Attribute | Support Qualifier | Read Qualifier | Write Qualifier |
|---|---|---|---|---|
| subNetworkId | subNetworkId | M | M | -- |
| dnPrefix | systemTitle (ITU-T Rec. X.721 [6]) | M | M | -- |
| userLabel | userLabel (ITU-T Rec. M.3100 [9]) | M | M | M |
| userDefinedNetworkType | userDefinedNetworkType | M | M | -- |

**Table 2: Mapping of Attributes**

| Attribute defined in 3GPP TS 32.622 | Attribute defined in this CMIP SS |
|---|---|
| DnPrefix | systemTitle (ITU-T Rec. X.721 [6]) |
| ManagedElementId | managedElementId |
| SubNetworkId | subNetworkId |
| IrpAgentId | irpAgentId |
| LocationName | locationName (ITU-T Rec. M.3100 [9]) |
| ManagedElementType | managedElementType |
| ManagementNodeId | managementNodeId |
| irpId | No equivalence |
| MeContextId | meContextId |
| SystemDN | No equivalence |
| UserDefinedState | userDefinedState |
| UserLabel | userLabel (ITU-T Rec. M.3100 [9]) |
| VendorName | vendorName (ITU-T Rec. M.3100 [9]) |
| VsDataContainerId | No equivalence |
| VsDataType | No equivalence |
| VsData | No equivalence |
| VsDataFormatVersion | No equivalence |
| ObjectClass | objectClass (ITU-T Rec. X.721 [6]) |
| ObjectInstance | objectInstance (ITU-T Rec. X.721 [6]) |
| UserDefinedNetworkType | userDefinedNetworkType |
| SwVersion | swVersion |

# 5 GDMO Definitions

## 5.1 Managed Object Classes

### 5.1.1 subNetwork

```
subNetwork MANAGED OBJECT CLASS
    DERIVED FROM
        "Recommendation X.721: 1992":top;
    CHARACTERIZED BY
        subNetworkBasicPackage,
        "3GPP TS 32.111-4 Release 5": x721AlarmNotificationsPackage;
    CONDITIONAL PACKAGES
        rootOptionalPackage
            PRESENT IF
                "An instance of subNetwork is the accessing root of a MIB.",
        "Rec. M.3100: 1995":createDeleteNotificationsPackage
            PRESENT IF
                "the objectCreation and the objectDeletion notifications defined in
                 ITU-T Rec. X.721 are supported by an instance of this class.",
        "Rec. M.3100: 1995":attributeValueChangeNotificationPackage
            PRESENT IF
                "the attributeValueChange notification defined in ITU-T Rec. X.721
                 is supported by an instance of this class.";
        "Recommendation M.3100: 1995":attributeValueChangeNotificationPackage
            PRESENT IF
                "the attributeValueChange notifications defined in Recommendation X.721
                 are supported by an instance of this class.",
        "Recommendation M.3100: 1995":environmentalAlarmPackage
            PRESENT IF
                "the environmentalAlarm notifications defined in Recommendation X.721
                 are supported by an instance of this class.";
REGISTERED AS {ts32-624ObjectClass 1};
```

### 5.1.2 managedElement

```
managedElement MANAGED OBJECT CLASS
    DERIVED FROM
        "Recommendation X.721: 1992":top;
    CHARACTERIZED BY
        managedElementBasicPackage,
        managedElementAssociationPackage,
        "3GPP TS 32.111-4 Release 5": x721AlarmNotificationsPackage;
    CONDITIONAL PACKAGES
        rootOptionalPackage
            PRESENT IF
                "An instance of managedElement is the accessing root of a MIB.",
        "Rec. M.3100: 1995":createDeleteNotificationsPackage
            PRESENT IF
                "the objectCreation and the objectDeletion notifications defined in
                 ITU-T Rec. X.721 are supported by an instance of this class.",
        "Rec. M.3100: 1995":attributeValueChangeNotificationPackage
            PRESENT IF
                "the attributeValueChange notification defined in ITU-T Rec. X.721
                 is supported by an instance of this class.";
REGISTERED AS {ts32-624ObjectClass 2};
```

### 5.1.3 managementNode

```
managementNode MANAGED OBJECT CLASS
    DERIVED FROM
        "Recommendation X.721: 1992":top;
    CHARACTERIZED BY
        managementNodeBasicPackage,
        managementNodeAssociationPackage,
        "3GPP TS 32.111-4 Release 5": x721AlarmNotificationsPackage;
    CONDITIONAL PACKAGES
        "Rec. M.3100: 1995":createDeleteNotificationsPackage
            PRESENT IF
```

```
              "the objectCreation and the objectDeletion notifications defined in
               ITU-T Rec. X.721 are supported by an instance of this class.",
        "Rec. M.3100: 1995":attributeValueChangeNotificationPackage
            PRESENT IF
              "the attributeValueChange notification defined in ITU-T Rec. X.721
               is supported by an instance of this class.";
        "Recommendation M.3100: 1995":createDeleteNotificationsPackage
            PRESENT IF
              "the objectCreation and the objectDeletion defined in Recommendation
               X.721 are supported by an instance of this class.",
        "Recommendation M.3100: 1995":attributeValueChangeNotificationPackage
            PRESENT IF
              "the attributeValueChange notifications defined in Recommendation X.721
               are supported by an instance of this class.",
        "Recommendation M.3100: 1995":processingErrorAlarmPackage
            PRESENT IF
              "the processingErrorAlarm notifications defined in Recommendation X.721
               are supported by an instance of this class.",
        "Recommendation M.3100: 1995":environmentalAlarmPackage
            PRESENT IF
              "the environmentalAlarm notifications defined in Recommendation X.721
               are supported by an instance of this class.",
        communicationsAlarmPackage
            PRESENT IF
              "the communicationsAlarm notifications defined in Recommendation X.721
               are supported by an instance of this class.",
        equipmentAlarmPackage
            PRESENT IF
              "the equipmentAlarm notifications defined in Recommendation X.721
               are supported by an instance of this class.";
REGISTERED AS {ts32-624ObjectClass 3};
```

# 5.1.4   void

# 5.1.5   void

# 5.1.64 irpAgent

```
irpAgent MANAGED OBJECT CLASS
    DERIVED FROM
        "Recommendation X.721: 1992":top;
    CHARACTERIZED BY
        irpAgentBasicPackage,
        "3GPP TS 32.111-4 Release 5": x721AlarmNotificationsPackage;
    CONDITIONAL PACKAGES
        "Rec. M.3100: 1995":createDeleteNotificationsPackage
            PRESENT IF
              "the objectCreation and the objectDeletion notifications defined in
               ITU-T Rec. X.721 are supported by an instance of this class.",
        "Rec. M.3100: 1995":attributeValueChangeNotificationPackage
            PRESENT IF
              "the attributeValueChange notification defined in ITU-T Rec. X.721
               is supported by an instance of this class.";
        "Recommendation M.3100: 1995":processingErrorAlarmPackage
            PRESENT IF
              "the processingErrorAlarm notifications defined in Recommendation X.721
               are supported by an instance of this class.",
        communicationsAlarmPackage
            PRESENT IF
              "the communicationsAlarm notifications defined in Recommendation X.721
               are supported by an instance of this class.";
REGISTERED AS {ts32-624ObjectClass 64};
```

# 5.1.75 managedFunction

```
managedFunction MANAGED OBJECT CLASS
    DERIVED FROM
        "Recommendation X.721: 1992":top;
```

```
    CHARACTERIZED BY
        managedFunctionBasicPackage;
    CONDITIONAL PACKAGES
        "Recommendation M.3100: 1995":createDeleteNotificationsPackage
            PRESENT IF
                "the objectCreation and the objectDeletion defined in Recommendation
                X.721 are supported by an instance of this class.",
        "Recommendation M.3100: 1995":attributeValueChangeNotificationPackage
            PRESENT IF
                "the attributeValueChange notifications defined in Recommendation X.721
                are supported by an instance of this class.",
        "Recommendation M.3100: 1995":processingErrorAlarmPackage
            PRESENT IF
                "the processingErrorAlarm notifications defined in Recommendation X.721
                are supported by an instance of this class.",
        communicationsAlarmPackage
            PRESENT IF
                "the communicationsAlarm notifications defined in Recommendation X.721
                are supported by an instance of this class.",
        qualityOfServiceAlarmPackage
            PRESENT IF
                "the qualityOfServiceAlarm notifications defined in Recommendation X.721
                are supported by an instance of this class.";
REGISTERED AS {ts32-624ObjectClass 75};
```

## 5.1.86 meContext

```
meContext MANAGED OBJECT CLASS
    DERIVED FROM
        "Recommendation X.721: 1992":top;
    CHARACTERIZED BY
        meContextBasicPackage,
        "3GPP TS 32.111-4 Release 5": x721AlarmNotificationsPackage;
    CONDITIONAL PACKAGES
        rootOptionalPackage
            PRESENT IF
                "An instance of meContext is the accessing root of a MIB.",
        "Rec. M.3100: 1995":createDeleteNotificationsPackage
            PRESENT IF
                "the objectCreation and the objectDeletion notifications defined in
                ITU-T Rec. X.721 are supported by an instance of this class.",
        "Rec. M.3100: 1995":attributeValueChangeNotificationPackage
            PRESENT IF
                "the attributeValueChange notification defined in ITU-T Rec. X.721
                is supported by an instance of this class.";
        "Recommendation M.3100: 1995":createDeleteNotificationsPackage
            PRESENT IF
                "the objectCreation and the objectDeletion defined in Recommendation
                X.721 are supported by an instance of this class.";
REGISTERED AS {ts32-624ObjectClass 86};
```

## 5.1.9   void

## 5.2      Packages

## 5.2.1   subNetworkBasicPackage

```
subNetworkBasicPackage PACKAGE
    BEHAVIOUR
        subNetworkBasicPackageBehaviour;
    ATTRIBUTES
        subNetworkId                             GET,
        "Recommendation X.721: 1992": systemTitle   GET,
        "Recommendation M.3100: 1995" : userLabel   GET-REPLACE,
        userDefinedNetworkType                   GET;
REGISTERED AS {ts32-624Package 1};

subNetworkBasicPackageBehaviour BEHAVIOUR
DEFINED AS
        "This managed object class represents collections of interconnected
        telecommunications and management objects (logical or physical) capable of
```

exchanging information. A network may be nested within another (larger) network, thereby forming a containment relationship.";

## 5.2.2   managedElementBasicPackage

```
managedElementBasicPackage PACKAGE
   BEHAVIOUR
      managedElementBasicPackageBehaviour;
   ATTRIBUTES
      managedElementId                          GET,
      managedElementType                        GET,
      "Recommendation M.3100: 1995" : userLabel      GET-REPLACE,
      "Recommendation M.3100: 1995" : vendorName     GET,
      userDefinedState                          GET-REPLACE,
      "Recommendation M.3100: 1995" : userLabel      GET-REPLACE,
      "Recommendation M.3100: 1995" : vendorName     GET,
      "Recommendation M.3100: 1995" : locationName   GET,
      swVersion                                 GET;
REGISTERED AS {ts32-624Package 2};
```

```
managedElementBasicPackageBehaviour BEHAVIOUR
   DEFINED AS
      "This managed object class represents telecommunications equipment within the
      telecommunications network that performs managed element functions, i.e.
      provides support and/or service to the subscriber. A managed element
      communicates with a manager (directly or indirectly) over one or more standard
      interfaces for the purpose of being monitored and/or controlled. A managed
      element contains equipment that may or may not be geographically distributed. A
      Managed Element is often referred to as a 'node' or a 'network element'.";
```

## 5.2.3   managedElementAssociationPackage

```
managedElementAssociationPackage PACKAGE
   BEHAVIOUR
      managedElementAssociationPackageBehaviour;
   ATTRIBUTES
      meManagedBy   GET;
REGISTERED AS {ts32-624Package 3};
```

```
managedElementAssociationPackageBehaviour BEHAVIOUR
   DEFINED AS
      "The attribute 'meManagedBy' points to the managmentNode instance which
      manages this managedElement instance. It implements the attribute managedBy
      of MOC ManagedElement defined in TS32.622.";
```

## 5.2.4   void

## 5.2.5   void

## 5.2.6   void

## 5.2.7   void

## 5.2.84 managementNodeBasicPackage

```
managementNodeBasicPackage PACKAGE
   BEHAVIOUR
      managementNodeBasicPackageBehaviour;
   ATTRIBUTES
      managementNodeId                          GET,
      "Recommendation M.3100: 1995" : userLabel      GET-REPLACE,
      "Recommendation M.3100: 1995" : vendorName     GET,
      userDefinedState                          GET-REPLACE,
      "Recommendation M.3100: 1995" : userLabel      GET-REPLACE,
```

```
      "Recommendation M.3100: 1995" : vendorName      GET,
      "Recommendation M.3100: 1995" : locationName   GET,
      swVersion                                       GET;
REGISTERED AS {ts32-624Package 84};


managementNodeBasicPackageBehaviour BEHAVIOUR
    DEFINED AS
      "This managed object class represents a telecommunications management system (EM
      or NM) within the TMN, that manages a number of Managed Elements. The management
      system communicates with the MEs directly or indirectly over one or more
      standard interfaces for the purpose of monitoring and/or controlling these MEs.";
```

## 5.2.95 managementNodeAssociationPackage

```
managementNodeAssociationPackage PACKAGE
    BEHAVIOUR
      managementNodeAssociationPackageBehaviour;
    ATTRIBUTES
      mnManagesList   GET;
REGISTERED AS {ts32-624Package 95};


managementNodeAssociationPackageBehaviour BEHAVIOUR
    DEFINED AS
      "The attribute 'mnManagesList' points to all managedElement instances which
      this managementNode instance manages. It implements the attribute manages of
      MOC ManagementNode defined in TS32.622.";
```

## 5.2.106 irpAgentBasicPackage

```
irpAgentBasicPackage PACKAGE
    BEHAVIOUR
      irpAgentBasicPackageBehaviour;
    ATTRIBUTES
      irpAgentId                                    GET,
      "Recommendation M.3100: 1995" : userLabel   GET-REPLACE,
      supportedIRPs                                 GET;
REGISTERED AS {ts32-624Package 106};


irpAgentBasicPackageBehaviour BEHAVIOUR
    DEFINED AS
      "irpAgent may have only one instance in R99 and R4. The instance of this MOC represents the
behavior of an IRP Agent
      the behavior of an IRP Agent which implements one or more IRPs";
```

## 5.2.117 managedFunctionBasicPackage

```
managedFunctionBasicPackage PACKAGE
    BEHAVIOUR
      managedFunctionBasicPackageBehaviour;
    ATTRIBUTES
      "Recommendation M.3100: 1995" : userLabel   GET-REPLACE;
REGISTERED AS {ts32-624Package 117};

managedFunctionBasicPackageBehaviour BEHAVIOUR
DEFINED AS
      "This Managed Object class corresponds to the class gsmManagedFunction defined
      in GSM 12.20 0 and is provided for sub-classing only. It provides the attributes
      that are common to functional MO classes. Note that a managed element may
      contain several managed functions. The ManagedFunction may be extended in the
      future if more common characteristics to functional objects are identified.";
```

## 5.2.128 meContextBasicPackage

```
meContextBasicPackage PACKAGE
    BEHAVIOUR
      meContextBasicPackageBehaviour;
    ATTRIBUTES
      meContextId   GET;
REGISTERED AS {ts32-624Package 128};

meContextBasicPackageBehaviour BEHAVIOUR
DEFINED AS
      "This managed object class represents the Managed Element from the network
```

perspective. It can be used to hold surveillance status information, and also planning status information for the case when the managed element is part of a planned configuration in a management system, before it has been taken into service. It can also support unambiguous naming in all cases, also for scenarios when the Managed Elements have been pre-configured where some of them may have equal names (to avoid necessary administration to make all of them globally unique at creation/installation time). Thus, by means of globally unique names for the MEContext instances, and by using these in the DN, the DNs for all MEs (and MOIs contained in them) can be assured to be globally unique, even in such a scenario as described above.";

## 5.2.139   Void

## 5.2.140   Void

## 5.2.151   Void

## 5.2.16 Void

## 5.2.17 Void

## 5.2.182   rootOptionalPackage

```
rootOptionalPackage PACKAGE
   BEHAVIOUR
      rootOptionalPackageBehaviour;
   ATTRIBUTES
      "Recommendation X.721: 1992" : systemTitle   GET;
REGISTERED AS {ts32-624Package 182};

rootOptionalPackageBehaviour BEHAVIOUR
DEFINED AS
      "This package shall be present in an instance of meContext or managedElement when it is
      the accessing point (root) of a MIB.";
```

# 5.3     Attributes

## 5.3.1   managedElementType

```
managedElementType ATTRIBUTE
   WITH ATTRIBUTE SYNTAX
      TS32-624TypeModule.ManagedElementType;
   MATCHES FOR
      EQUALITY;
   BEHAVIOUR
      managedElementTypeBehaviour;
REGISTERED AS {ts32-624Attribute 1};

managedElementTypeBehaviour BEHAVIOUR
DEFINED AS
      "This attribute specifies which managed functions a managed element contains.";
```

## 5.3.2   subNetworkId

```
subNetworkId ATTRIBUTE
   WITH ATTRIBUTE SYNTAX
      TS32-624TypeModule.GeneralObjectId;
   MATCHES FOR
      EQUALITY;
   BEHAVIOUR
```

```
        subNetworkIdBehaviour;
REGISTERED AS {ts32-624Attribute 2};

subNetworkIdBehaviour BEHAVIOUR
DEFINED AS
        "This attribute identifies a subNetwork instance.";
```

## 5.3.3  Void


## 5.3.4  Void


## 5.3.5  Void


## 5.3.6  Void


## 5.3.7  Void


## 5.3.8  Void


## 5.3.9  userDefinedNetworkType

```
userDefinedNetworkType ATTRIBUTE
    WITH ATTRIBUTE SYNTAX
        TS32-624TypeModule.UserDefinedNetworkType;
    MATCHES FOR
        EQUALITY;
    BEHAVIOUR
        userDefinedNetworkTypeBehaviour;
REGISTERED AS {ts32-624Attribute 8};

userDefinedNetworkTypeBehaviour BEHAVIOUR
DEFINED AS
        "Textual information regarding the type of network, e.g. UTRAN.";
```

## 5.3.10 swVersion

```
swVersion ATTRIBUTE
    WITH ATTRIBUTE SYNTAX
        TS32-624TypeModule.SwVersion;
    MATCHES FOR
        EQUALITY;
    BEHAVIOUR
        swVersionBehaviour;
REGISTERED AS {ts32-624Attribute 9};

swVersionBehaviour BEHAVIOUR
DEFINED AS
        "The software version of the managed element (this is used for determin which version of
        the vendor specific information that is valid for the managed element).";
```

## 5.3.11 managedElementId

```
managedElementId ATTRIBUTE
    WITH ATTRIBUTE SYNTAX
        TS32-624TypeModule.GeneralObjectId;
```

```
   MATCHES FOR
      EQUALITY;
   BEHAVIOUR
      managedElementIdBehaviour;
REGISTERED AS {ts32-624Attribute 10};

managedElementIdBehaviour BEHAVIOUR
   DEFINED AS
      "This attribute names an instance of the '3gManagedElement' object class.";
```

## 5.3.12 userDefinedState

```
userDefinedState ATTRIBUTE
   WITH ATTRIBUTE SYNTAX
      TS32-624TypeModule.UserDefinedState;
   MATCHES FOR
      EQUALITY;
   BEHAVIOUR
      userDefinedStateBehaviour;
REGISTERED AS {ts32-624Attribute 11};

userDefinedStateBehaviour BEHAVIOUR
DEFINED AS
      "This attribute specifies an operator defined state for operator specific usage.";
```

## 5.3.13 meManagedBy

```
meManagedBy ATTRIBUTE
   WITH ATTRIBUTE SYNTAX
      TS32-624TypeModule.GeneralObjectPointer;
   MATCHES FOR
      EQUALITY;
   BEHAVIOUR
      meManagedByBehaviour;
REGISTERED AS {ts32-624Attribute 12};

meManagedByBehaviour BEHAVIOUR
DEFINED AS
      "This attribute points to the managementNode instance which manages the
      related 3gManagedElement instance.";
```

## 5.3.14 managementNodeId

```
managementNodeId ATTRIBUTE
   WITH ATTRIBUTE SYNTAX
      TS32-624TypeModule.GeneralObjectId;
   MATCHES FOR
      EQUALITY;
   BEHAVIOUR
      managmentNodeIdBehaviour;
REGISTERED AS {ts32-624Attribute 13};

managmentNodeIdBehaviour BEHAVIOUR
DEFINED AS
      "This attribute names an instance of the 'managmentNode' object class.";
```

## 5.3.15 mnManagesList

```
mnManagesList ATTRIBUTE
   WITH ATTRIBUTE SYNTAX
      TS32-624TypeModule.GeneralObjectPointerList;
   MATCHES FOR
      EQUALITY;
   BEHAVIOUR
      mnManagesListBehaviour;
REGISTERED AS {ts32-624Attribute 14};

mnManagesListBehaviour BEHAVIOUR
DEFINED AS
      "This attribute points to all 3gManagedElement instances which this
      3gManagmentNode instance manages.";
```

## 5.3.16 irpAgentId

```
irpAgentId ATTRIBUTE
   WITH ATTRIBUTE SYNTAX
      TS32-624TypeModule.GeneralObjectId;
   MATCHES FOR
      EQUALITY;
   BEHAVIOUR
      irpAgentIdBehaviour;
REGISTERED AS {ts32-624Attribute 15};

irpAgentIdBehaviour BEHAVIOUR
DEFINED AS
      "This attribute identifies an irpAgent instance.";
```

## 5.3.17 voidsupportedIRPs

```
supportedIRPs ATTRIBUTE
   WITH ATTRIBUTE SYNTAX
      TS32-624TypeModule.SupportedIRPs;
   MATCHES FOR
      EQUALITY;
   BEHAVIOUR
      supportedIRPsBehaviour;
REGISTERED AS {ts32-624Attribute 16};

supportedIRPsBehaviour BEHAVIOUR
DEFINED AS
      "This attribute provides the information about IRPs an IRPAgent supports.";
```

## 5.3.18 meContextId

```
meContextId ATTRIBUTE
   WITH ATTRIBUTE SYNTAX
      TS32-624TypeModule.GeneralObjectId;
   MATCHES FOR
      EQUALITY;
   BEHAVIOUR
      meContextIdBehaviour;
REGISTERED AS {ts32-624Attribute 17};

meContextIdBehaviour BEHAVIOUR
DEFINED AS
      "This attribute names an instance of the 'MEContext' object class.";
```

## 5.3.19 Void

## 5.4 Name Binding

## 5.4.1 managedElement - meContext

```
managedElement-meContext NAME BINDING
   SUBORDINATE OBJECT CLASS
      managedElement;
   NAMED BY SUPERIOR OBJECT CLASS
      meContext;
   WITH ATTRIBUTE
      managedElementId;
   BEHAVIOUR
      managedElement-meContextBehaviour;
   CREATE
      WITH-REFERENCE-OBJECT, WITH-AUTOMATIC-INSTANCE-NAMING;
   DELETE
      ONLY-IF-NO-CONTAINED-OBJECTS;
REGISTERED AS {ts32-624NameBinding 1};

managedElement-meContextBehaviour BEHAVIOUR
DEFINED AS
```

"The name binding represents a relationship in which a meContext contains and
controls a managedElement. When automatic instance naming is used, the choice
of name bindings left as a local matter.";

## 5.4.2   managedElement - subNetwork

```
managedElement-subNetwork NAME BINDING
   SUBORDINATE OBJECT CLASS
      managedElement;
   NAMED BY SUPERIOR OBJECT CLASS
      subNetwork;
   WITH ATTRIBUTE
      managedElementId;
   BEHAVIOUR
      managedElement-subNetworkBehaviour;
   CREATE
      WITH-REFERENCE-OBJECT, WITH-AUTOMATIC-INSTANCE-NAMING;
   DELETE
      ONLY-IF-NO-CONTAINED-OBJECTS;
REGISTERED AS {ts32-624NameBinding 2};


managedElement-subNetworkBehaviour BEHAVIOUR
DEFINED AS
      "The name binding represents a relationship in which a subNetwork contains and
      controls a managedElement. When automatic instance naming is used, the choice
      of name bindings left as a local matter.";
```

## 5.4.3   meContext - subNetwork

```
meContext-subNetwork NAME BINDING
   SUBORDINATE OBJECT CLASS
      meContext;
   NAMED BY SUPERIOR OBJECT CLASS
      subNetwork;
   WITH ATTRIBUTE
      meContextId;
   BEHAVIOUR
      meContext-subNetworkBehaviour;
   CREATE
      WITH-REFERENCE-OBJECT, WITH-AUTOMATIC-INSTANCE-NAMING;
   DELETE
      ONLY-IF-NO-CONTAINED-OBJECTS;
REGISTERED AS {ts32-624NameBinding 3};


meContext-subNetworkBehaviour BEHAVIOUR
DEFINED AS
      "The name binding represents a relationship in which a subNetwork contains and
      controls a meContext. When automatic instance naming is used, the choice
      of name bindings left as a local matter.";
```

## 5.4.4   Void

## 5.4.5   irpAgent - subNetwork

```
irpAgent-subNetwork NAME BINDING
   SUBORDINATE OBJECT CLASS
      irpAgent;
   NAMED BY SUPERIOR OBJECT CLASS
      subNetwork;
   WITH ATTRIBUTE
      irpAgentId;
   BEHAVIOUR
      irpAgent-subNetworkBehaviour;
   CREATE
      WITH-REFERENCE-OBJECT, WITH-AUTOMATIC-INSTANCE-NAMING;
   DELETE
      ONLY-IF-NO-CONTAINED-OBJECTS;
REGISTERED AS {ts32-624NameBinding 5};


irpAgent-subNetworkBehaviour BEHAVIOUR
DEFINED AS
```

"The name binding represents a relationship in which a subNetwork contains and
controls a irpAgent. When automatic instance naming is used, the choice of name
bindings left as a local matter.";

## 5.4.6 irpAgent - managementNode

```
irpAgent-managementNode NAME BINDING
   SUBORDINATE OBJECT CLASS
      irpAgent;
   NAMED BY SUPERIOR OBJECT CLASS
      managementNode;
   WITH ATTRIBUTE
      irpAgentId;
   BEHAVIOUR
      irpAgent-managementNodeBehaviour;
   CREATE
      WITH-REFERENCE-OBJECT, WITH-AUTOMATIC-INSTANCE-NAMING;
   DELETE
      ONLY-IF-NO-CONTAINED-OBJECTS;
REGISTERED AS {ts32-624NameBinding 6};

irpAgent-managementNodeBehaviour BEHAVIOUR
DEFINED AS
      "The name binding represents a relationship in which a managedNode contains and
      controls a irpAgent. When automatic instance naming is used, the choice
      of name bindings left as a local matter.";
```

## 5.4.7 managementNode - subNetwork

```
managementNode-subNetwork NAME BINDING
   SUBORDINATE OBJECT CLASS
      managementNode;
   NAMED BY SUPERIOR OBJECT CLASS
      subNetwork;
   WITH ATTRIBUTE
      managementNodeId;
   BEHAVIOUR
      managementNode-subNetworkBehaviour;
   CREATE WITH-REFERENCE-OBJECT, WITH-AUTOMATIC-INSTANCE-NAMING;
   DELETE ONLY-IF-NO-CONTAINED-OBJECTS;
REGISTERED AS {ts32-624NameBinding 7};

managementNode-subNetworkBehaviour BEHAVIOUR
DEFINED AS
      "The name binding represents a relationship in which a subNetwork contains and
      controls a managementNode. When automatic instance naming is used, the choice
      of name bindings left as a local matter.";
```

## 5.4.8 irpAgent - managedElement

```
irpAgent-managedElement NAME BINDING
   SUBORDINATE OBJECT CLASS irpAgent;
   NAMED BY SUPERIOR OBJECT CLASS managedElement;
   WITH ATTRIBUTE irpAgentId;
   BEHAVIOUR
      irpAgent-managedElementBehaviour;
   CREATE WITH-REFERENCE-OBJECT, WITH-AUTOMATIC-INSTANCE-NAMING;
   DELETE ONLY-IF-NO-CONTAINED-OBJECTS;
REGISTERED AS {ts32-624NameBinding 8};

irpAgent-managedElementBehaviour BEHAVIOUR
   DEFINED AS
      "The name binding represents a relationship in which a managedElement contains and
      controls an irpAgent. When automatic instance naming is used, the choice of name
      bindings left as a local matter.";
```

## 5.4.9 Void

## 5.4.10 Void

## 5.4.11 subNetwork - subNetwork

```
subNetwork-subNetwork NAME BINDING
   SUBORDINATE OBJECT CLASS
      subNetwork;
   NAMED BY SUPERIOR OBJECT CLASS
      subNetwork;
   WITH ATTRIBUTE
      subNetworkId;
   BEHAVIOUR
      subNetwork-subNetworkBehaviour;
   CREATE
      WITH-REFERENCE-OBJECT, WITH-AUTOMATIC-INSTANCE-NAMING;
   DELETE
      ONLY-IF-NO-CONTAINED-OBJECTS;
REGISTERED AS {ts32-624NameBinding 11};

subNetwork-subNetworkBehaviour BEHAVIOUR
DEFINED AS
   "The name binding represents a relationship in which a subNetwork contains and controls another
   subNetwork. When automatic instance naming is used, the choice of name bindings is left as a
   local matter.";
```

## 5.4.12 Void

## 5.4.13 Void

## 5.4.14 Void

# 6    ASN.1 Definitions

```
TS32-624TypeModule {ccitt(0) identified-organization(4) etsi(0) mobileDomain(0) umts-Operation-
Maintenance(3) ts32-624(624) informationModel(0) asn1Module(2) version1(1)}

DEFINITIONS IMPLICIT TAGS ::=
BEGIN

--EXPORTS everything

IMPORTS

ObjectInstance
    FROM CMIP-1 {joint-iso-ccitt ms(9) cmip(1) modules(0) protocol(3)};


-- 3GPP TS 32.624 related Object Identifiers

baseNodeUMTS            OBJECT IDENTIFIER ::= {itu-t(0) identified-organization(4)
                                               etsi(0) mobileDomain(0)
                                               umts-Operation-Maintenance(3)}

ts32-624               OBJECT IDENTIFIER ::= {baseNodeUMTS ts32-624(624)}
ts32-624InfoModel      OBJECT IDENTIFIER ::= {ts32-624 informationModel(0)}

ts32-624ObjectClass    OBJECT IDENTIFIER ::= {ts32-624InfoModel managedObjectClass(3)}
ts32-624Package        OBJECT IDENTIFIER ::= {ts32-624InfoModel package(4)}
ts32-624Parameter      OBJECT IDENTIFIER ::= {ts32-624InfoModel parameter(5)}
ts32-624NameBinding    OBJECT IDENTIFIER ::= {ts32-624InfoModel nameBinding(6)}
ts32-624Attribute      OBJECT IDENTIFIER ::= {ts32-624InfoModel attribute(7)}
ts32-624Action         OBJECT IDENTIFIER ::= {ts32-624InfoModel action(9)}
ts32-624Notification   OBJECT IDENTIFIER ::= {ts32-624InfoModel notification(10)}

-- Start of 3GPP SA5 own definitions

ManagedElementType::= GraphicString

GeneralObjectId ::= INTEGER

UserDefinedState ::= GraphicString

GeneralObjectPointer ::= ObjectInstance

GeneralObjectPointerList ::= SEQUENCE OF ObjectInstance

IRPNames::= SET OF ENUMERATED
    {
    notificationIRP      (1),
    alarmIRP             (2),
    basicCmIRP           (3),
    bulkCmIRP            (4),
    genericNRM           (5),
    cnNRM                (6),
    utranNRM             (7),
    geranNRM             (8)
}

SupportedIRPs ::= SET OF IRPNames

UserDefinedNetworkType ::= GraphicString

SwVersion ::= GraphicString

END -- of TS32-624TypeModule
```

---

## End of Change in Clause 4 & 5 & 6

---

*CR-Form-v7*

# CHANGE REQUEST

| ⌘ | **32.634** CR **004** | ⌘**rev** | **-** | ⌘ | Current version: | **5.1.0** | ⌘ |

*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 **X**

| | | |
|---|---|---|
| ***Title:*** | ⌘ | Removal of the attribute *uraList* from the MOC *MscServerFunction* – Alignment with the IS 32.632 |
| ***Source:*** | ⌘ | SA5 (olaf.pollakowski@siemens.com) |

| | | | | | |
|---|---|---|---|---|---|
| ***Work item code:*** ⌘ | OAM-NIM | | | ***Date:*** ⌘ | 27/02/2004 |

| | | | | |
|---|---|---|---|---|
| ***Category:*** | ⌘ | **F** | ***Release:*** ⌘ | Rel-5 |

Use <u>one</u> of the following categories:
**F** (correction)
**A** (corresponds to a correction in an earlier release)
**B** (addition of feature),
**C** (functional modification of feature)
**D** (editorial modification)
Detailed explanations of the above categories can
be found in 3GPP TR 21.900.

Use <u>one</u> of the following releases:
2       (GSM Phase 2)
R96    (Release 1996)
R97    (Release 1997)
R98    (Release 1998)
R99    (Release 1999)
Rel-4  (Release 4)
Rel-5  (Release 5)
Rel-6  (Release 6)

| | | |
|---|---|---|
| ***Reason for change:*** | ⌘ | On the IS level the attribute *uraList* has been removed from the IOC *MscServerFunction*. |
| ***Summary of change:*** ⌘ | | The attribute *uraList* is removed from the MOC *MscServerFunction*. |
| ***Consequences if not approved:*** | ⌘ | The CMIP SS is not aligned with the IS 32.632. |

| | | |
|---|---|---|
| ***Clauses affected:*** | ⌘ | 1, 4.2.2, 5, 6 |

| | | | | |
|---|---|---|---|---|
| | | **Y** | **N** | |
| ***Other specs affected:*** | ⌘ | | **X** | Other core specifications    ⌘ |
| | | | **X** | Test specifications |
| | | | **X** | O&M Specifications |

| | | |
|---|---|---|
| ***Other comments:*** | ⌘ | |

# 1 Scope

The present document specifies the Common Management Information Protocol (CMIP) Solution Set (SS) for the CN Network Resource Integration Reference Point (IRP): Network Resource Model defined in 3GPP TS 32.632 [4]. In detail:

- Clause 4 contains an introduction to some concepts that are the base for some specific aspects of the CMIP interfaces.

- Clause 5 contains the GDMO definitions for the Alarm Management over the CMIP interfaces

- Clause 6 contains the ASN.1 definitions supporting the GDMO definitions provided in clause 5.

This Solution Set specification is related to 3GPP TS 32.632 V5.5~~0~~.X [4].

**End of Change in Clause 1**


**Change in Clause 4.2.2**


## 4.2.2 Mapping of Information Object Class Attributes

### 4.2.2.1 Attribute Mapping of the IOC *MscServerFunction*

**Table 2: Attribute mapping of the IOC *MscServerFunction***

| IS Attribute | CMIP SS Attributes | Support Qualifier | Read Qualifier | Write Qualifier |
|---|---|---|---|---|
| mscServerFunctionId | mscServerFunctionId | ~~Read Only,~~ M | M | -- |
| userLabel | userLabel (ITU-T Rec. M.3100 [9]) | ~~Read Write,~~ M | M | M |
| mccList | mccList | ~~Read Write,~~ M | M | M |
| mncList | mncList | ~~Read Write,~~ M | M | M |
| lacList | lacList | ~~Read Write,~~ M | M | M |
| sacList | sacList | ~~Read Write,~~ M | M | M |
| ~~uraList~~ | ~~uraList~~ | ~~Read Write, M~~ | | |
| gcaList | gcaList | ~~Read Write,~~ M | M | M |
| mscId | mscId | ~~Read Write,~~ M | M | M |
| mscServerFunction-GSMcell | mscServerFunction-GSMcell | ~~Read Only,~~ M | M | -- |
| mscServerFunction-ExternalGSMcell | mscServerFunction-ExternalGSMcell | ~~Read Only,~~ M | M | -- |
| mscServerFunction-CsMgwFunction | mscServerFunction-CsMgwFunction | ~~Read Only,~~ M | M | -- |

### 4.2.2.2 Attribute Mapping of the IOC *HlrFunction*

**Table 3: Attribute mapping of the IOC *HlrFunction***

| IS Attribute | CMIP SS Attribute | Support Qualifier | Read Qualifier | Write Qualifier |
|---|---|---|---|---|
| hlrFunctionId | hlrFunctionId | ~~Read Only,~~ M | M | -- |
| userLabel | userLabel (ITU-T Rec. M.3100 [9]) | ~~Read Write,~~ M | M | M |

### 4.2.2.3 Attribute Mapping of the IOC *VlrFunction*

**Table 4: Attribute mapping of the IOC *VlrFunction***

| IS Attribute | CMIP SS Attribute | Support Qualifier | Read Qualifier | Write Qualifier |
|---|---|---|---|---|
| vlrFunctionId | vlrFunctionId | ~~Read Only,~~ M | M | -- |
| userLabel | userLabel (ITU-T Rec. M.3100 [9]) | ~~Read Write,~~ M | M | M |

### 4.2.2.4 Attribute Mapping of the IOC *AucFunction*

**Table 5: Attribute mapping of the IOC *AucFunction***

| IS Attribute | CMIP SS Attribute | Support Qualifier | Read Qualifier | Write Qualifier |
|---|---|---|---|---|
| aucFunctionId | aucFunctionId | ~~Read Only,~~ M | M | -- |
| userLabel | userLabel (ITU-T Rec. M.3100 [9]) | ~~Read Write,~~ M | M | M |

### 4.2.2.5 Attribute Mapping of the IOC *EirFunction*

**Table 6: Attribute mapping of the IOC *EirFunction***

| IS Attribute | CMIP SS Attribute | Support Qualifier | Read Qualifier | Write Qualifier |
|---|---|---|---|---|
| eirFunctionId | eirFunctionId | ~~Read Only,~~ M | M | -- |
| userLabel | userLabel (ITU-T Rec. M.3100 [9]) | ~~Read Write,~~ M | M | M |

### 4.2.2.6 Attribute Mapping of the IOC *SmsIwmscFunction*

**Table 7: Attribute mapping of the IOC *SmsIwmscFunction***

| IS Attribute | CMIP SS Attribute | Support Qualifier | Read Qualifier | Write Qualifier |
|---|---|---|---|---|
| smsIwmscFunctionId | smsIwmscFunctionId | ~~Read Only,~~ M | M | -- |
| userLabel | userLabel (ITU-T Rec. M.3100 [9]) | ~~Read Write,~~ M | M | M |

#### 4.2.2.7 Attribute Mapping of the IOC *SmsGmscFunction*

**Table 8: Attribute mapping of the IOC *SmsGmscFunction***

| IS Attribute | CMIP SS Attribute | Support Qualifier | Read Qualifier | Write Qualifier |
|---|---|---|---|---|
| smsGmscFunctionId | smsGmscFunctionId | ~~Read Only,~~ M | M | -- |
| userLabel | userLabel (ITU-T Rec. M.3100 [9]) | ~~Read Write,~~ M | M | M |

#### 4.2.2.8 Attribute Mapping of the IOC *SgsnFunction*

**Table 9: Attribute mapping of the IOC *SgsnFunction***

| IS Attribute | CMIP SS Attribute | Support Qualifier | Read Qualifier | Write Qualifier |
|---|---|---|---|---|
| sgsnFunctionId | sgsnFunctionId | ~~Read Only,~~ M | M | -- |
| UserLabel | userLabel (ITU-T Rec. M.3100 [9]) | ~~Read Write,~~ M | M | M |
| mccList | mccList | ~~Read Write,~~ M | M | M |
| mncList | mncList | ~~Read Write,~~ M | M | M |
| lacList | lacList | ~~Read Write,~~ M | M | M |
| racList | racList | ~~Read Write,~~ M | M | M |
| sacList | sacList | ~~Read Write,~~ M | M | M |
| sgsnId | sgsnId | ~~Read Write,~~ M | M | M |
| sgsnFunction-GSMCell | sgsnFunction-GSMCell | ~~Read Only,~~ M | M | -- |
| sgsnFunction-ExternalGSMCell | sgsnFunction-ExternalGSMCell | ~~Read Only,~~ M | M | -- |

#### 4.2.2.9 Attribute Mapping of the IOC *GgsnFunction*

**Table 10 Attribute mapping of the IOC *GgsnFunction***

| IS Attribute | CMIP SS Attribute | Support Qualifier | Read Qualifier | Write Qualifier |
|---|---|---|---|---|
| ggsnFunctionId | ggsnFunctionId | ~~Read Only,~~ M | M | -- |
| userLabel | userLabel (ITU-T Rec. M.3100 [9]) | ~~Read Write,~~ M | M | M |

### 4.2.2.10 Attribute Mapping of the IOC *BgFunction*

**Table 11 Attribute mapping of the IOC *BgFunction***

| IS Attribute | CMIP SS Attribute | Support<br>Qualifier | Read<br>Qualifier | Write<br>Qualifier |
|---|---|---|---|---|
| bgFunctionId | bgFunctionId | ~~Read Only,~~ M | M | -- |
| userLabel | userLabel (ITU-T Rec. M.3100 [9]) | ~~Read Write,~~ M | M | M |

### 4.2.2.11 Attribute Mapping of the IOC *GmscFunction*

**Table 12: Attribute mapping of the IOC *GmscFunction***

| IS Attribute | CMIP SS Attribute | Support<br>Qualifier | Read<br>Qualifier | Write<br>Qualifier |
|---|---|---|---|---|
| gmscFunctionId | gmscFunctionId | ~~Read Only,~~ M | M | -- |
| userLabel | userLabel (ITU-T Rec. M.3100 [9]) | ~~Read Write,~~ M | M | M |

### 4.2.2.12 Attribute Mapping of the IOC *SmlcFunction*

**Table 13: Attribute mapping of the IOC *SmlcFunction***

| IS Attribute | CMIP SS Attribute | Support<br>Qualifier | Read<br>Qualifier | Write<br>Qualifier |
|---|---|---|---|---|
| smlcFunctionId | smlcFunctionId | ~~Read Only,~~ M | M | -- |
| userLabel | userLabel (ITU-T Rec. M.3100 [9]) | ~~Read Write,~~ M | M | M |

### 4.2.2.13 Attribute Mapping of the IOC *GmlcFunction*

**Table 14: Attribute mapping of the IOC *GmlcFunction***

| IS Attribute | CMIP SS Attribute | Support<br>Qualifier | Read<br>Qualifier | Write<br>Qualifier |
|---|---|---|---|---|
| gmlcFunctionId | gmlcFunctionId | ~~Read Only,~~ M | M | -- |
| userLabel | userLabel (ITU-T Rec. M.3100 [9]) | ~~Read Write,~~ M | M | M |

### 4.2.2.14 Attribute Mapping of the IOC *ScfFunction*

**Table 15: Attribute mapping of the IOC *ScfFunction***

| IS Attribute | CMIP SS Attribute | Support<br>Qualifier | Read<br>Qualifier | Write<br>Qualifier |
|---|---|---|---|---|
| scfFunctionId | scfFunctionId | ~~Read Only,~~ M | M | -- |
| userLabel | userLabel (ITU-T Rec. M.3100 [9]) | ~~Read Write,~~ M | M | M |

### 4.2.2.15 Attribute Mapping of the IOC *SrfFunction*

**Table 16: Attribute mapping of the IOC *SrfFunction***

| IS Attribute | CMIP SS Attribute | **Support** Qualifier | **Read Qualifier** | **Write Qualifier** |
|---|---|---|---|---|
| srfFunctionId | srfFunctionId | ~~Read Only,~~ M | M | -- |
| userLabel | userLabel (ITU-T Rec. M.3100 [9]) | ~~Read Write,~~ M | M | M |

### 4.2.2.16 Attribute Mapping of the IOC *CbcFunction*

**Table 17: Attribute mapping of the IOC *CbcFunction***

| IS Attribute | CMIP SS Attribute | **Support** Qualifier | **Read Qualifier** | **Write Qualifier** |
|---|---|---|---|---|
| cbcFunctionId | cbcFunctionId | ~~Read Only,~~ M | M | -- |
| userLabel | userLabel (ITU-T Rec. M.3100 [9]) | ~~Read Write,~~ M | M | M |

### 4.2.2.17 Attribute Mapping of the IOC *CgfFunction*

**Table 18: Attribute mapping of the IOC *CgfFunction***

| IS Attribute | CMIP SS Attribute | **Support** Qualifier | **Read Qualifier** | **Write Qualifier** |
|---|---|---|---|---|
| cgfFunctionId | cgfFunctionId | ~~Read Only,~~ M | M | -- |
| userLabel | userLabel (ITU-T Rec. M.3100 [9]) | ~~Read Write,~~ M | M | M |

### 4.2.2.18 Attribute Mapping of the IOC *MgwFunction*

**Table 19: Attribute mapping of the IOC *MgwFunction***

| IS Attribute | CMIP SS Attribute | **Support** Qualifier | **Read Qualifier** | **Write Qualifier** |
|---|---|---|---|---|
| mgwFunctionId | mgwFunctionId | ~~Read Only,~~ M | M | -- |
| userLabel | userLabel (ITU-T Rec. M.3100 [9]) | ~~Read Write,~~ M | M | M |

### 4.2.2.19 Attribute Mapping of the IOC *GmscServerFunction*

**Table 20: Attribute mapping of the IOC *GmscServerFunction***

| IS Attribute | CMIP SS Attribute | **Support** Qualifier | **Read Qualifier** | **Write Qualifier** |
|---|---|---|---|---|
| gmscServerFunctionId | gmscServerFunctionId | ~~Read Only,~~ M | M | -- |
| userLabel | userLabel(ITU-T Rec. M.3100 [9]) | ~~Read Write,~~ M | M | M |

### 4.2.2.20    Attribute Mapping of the IOC *IwfFunction*

**Table 21: Attribute mapping of the IOC *IwfFunction***

| IS Attribute | CMIP SS Attribute | Support Qualifier | Read Qualifier | Write Qualifier |
|---|---|---|---|---|
| iwfFunctionId | iwfFunctionId | ~~Read Only,~~ M | M | -- |
| userLabel | userLabel (ITU-T Rec. M.3100 [9]) | ~~Read Write,~~ M | M | M |

### 4.2.2.21    Attribute Mapping of the IOC *MnpSrfFunction*

**Table 22: Attribute mapping of the IOC *MnpSrfFunction***

| IS Attribute | CMIP SS Attribute | Support Qualifier | Read Qualifier | Write Qualifier |
|---|---|---|---|---|
| mnpSrfFunctionId | mnpSrfFunctionId | ~~Read Only,~~ M | M | -- |
| userLabel | userLabel(ITU-T Rec. M.3100 [9]) | ~~Read Write,~~ M | M | M |

### 4.2.2.22    Attribute Mapping of the IOC *NpdbFunction*

**Table 23: Attribute mapping of the IOC *NpdbFunction***

| IS Attribute | CMIP SS Attribute | Support Qualifier | Read Qualifier | Write Qualifier |
|---|---|---|---|---|
| npdbFunctionId | npdbFunctionId | ~~Read Only,~~ M | M | -- |
| userLabel | userLabel (ITU-T Rec. M.3100 [9]) | ~~Read Write,~~ M | M | M |

### 4.2.2.23    Attribute Mapping of the IOC *SgwFunction*

**Table 24: Attribute mapping of the IOC *SgwFunction***

| IS Attribute | CMIP SS Attribute | Support Qualifier | Read Qualifier | Write Qualifier |
|---|---|---|---|---|
| sgwFunctionId | sgwFunctionId | ~~Read Only,~~ M | M | -- |
| userLabel | userLabel (ITU-T Rec. M.3100 [9]) | ~~Read Write,~~ M | M | M |

### 4.2.2.24    Attribute Mapping of the IOC *SsfFunction*

**Table 25: Attribute mapping of the IOC *SsfFunction***

| IS Attribute | CMIP SS Attribute | Support Qualifier | Read Qualifier | Write Qualifier |
|---|---|---|---|---|
| ssfFunctionId | ssfFunctionId | ~~Read Only,~~ M | M | -- |
| userLabel | UserLabel (ITU-T Rec. M.3100 [9]) | ~~Read Write,~~ M | M | M |

### 4.2.2.25 Attribute Mapping of the IOC *BsFunction*

**Table 26: Attribute mapping of the IOC *BsFunction***

| IS Attribute | CMIP SS Attribute | Support Qualifier | Read Qualifier | Write Qualifier |
|---|---|---|---|---|
| bsFunctionId | bsFunctionId | ~~Read Only,~~ M | M | -- |
| userLabel | userLabel (ITU-T Rec. M.3100 [9]) | ~~Read Write,~~ M | M | M |

### 4.2.2.26 Attribute Mapping of the IOC *IucsLink*

**Table 27: Attribute mapping of the IOC *IucsLink***

| IS Attribute | CMIP SS Attribute | Support Qualifier | Read Qualifier | Write Qualifier |
|---|---|---|---|---|
| iucsLinkId | iucsLinkId | ~~Read Only,~~ M | M | -- |
| userLabel | userLabel (ITU-T Rec. M.3100 [9]) | ~~Read Write,~~ M | M | M |
| connectedRnc | connectedRnc | ~~Read Only,~~ M | M | -- |
| connectedBss | connectedBss | ~~Read Only,~~ M | M | -- |

### 4.2.2.27 Attribute Mapping of the IOC *IupsLink*

**Table 28: Attribute mapping of the IOC *IupsLink***

| IS Attribute | CMIP SS Attribute | Support Qualifier | Read Qualifier | Write Qualifier |
|---|---|---|---|---|
| iupsLinkId | iupsLinkId | ~~Read Only,~~ M | M | -- |
| userLabel | userLabel(ITU-T Rec. M.3100 [9]) | ~~Read Write,~~ M | M | M |
| connectedRnc | connectedRnc | ~~Read Only,~~ O | M | -- |
| connectedBss | connectedBss | ~~Read Only,~~ O | M | -- |

### 4.2.2.28 Attribute Mapping of the IOC *IubcLink*

**Table 29: Attribute mapping of the IOC *IubcLink***

| IS Attribute | CMIP SS Attribute | Support Qualifier | Read Qualifier | Write Qualifier |
|---|---|---|---|---|
| iubcLinkId | iubcLinkId | ~~Read Only,~~ M | M | -- |
| userLabel | userLabel (ITU-T Rec. M.3100 [9]) | ~~Read Write,~~ M | M | M |
| connectedRnc | connectedRnc | ~~Read Only,~~ M | M | -- |

### 4.2.2.29 Attribute Mapping of the IOC *ALink*

**Table 30: Attribute mapping of the IOC *ALink***

| IS Attribute | CMIP SS Attribute | **Support** Qualifier | **Read Qualifier** | **Write Qualifier** |
|---|---|---|---|---|
| aLinkId | aLinkId | ~~Read Only,~~ M | M | -- |
| userLabel | userLabel (ITU-T Rec. M.3100 [9]) | ~~Read Write,~~ M | M | M |
| connectedBss | connectedBss | ~~Read Only,~~ M | M | -- |

### 4.2.2.30 Attribute Mapping of the IOC *GbLink*

**Table 31: Attribute mapping of the IOC *GbLink***

| IS Attribute | CMIP SS Attribute | **Support** Qualifier | **Read Qualifier** | **Write Qualifier** |
|---|---|---|---|---|
| gbLinkId | gbLinkId | ~~Read Only,~~ M | M | -- |
| userLabel | userLabel (ITU-T Rec. M.3100 [9]) | ~~Read Write,~~ M | M | M |
| connectedBss | connectedBss | ~~Read Only,~~ M | M | -- |

### 4.2.2.31 Attribute Mapping of the IOC *CsMgwFunction*

**Table 32: Attribute mapping of the IOC *CsMgwFunction***

| IS Attribute | CMIP SS Attribute | **Support** Qualifier | **Read Qualifier** | **Write Qualifier** |
|---|---|---|---|---|
| csMgwFunctionId | CsmgwFunctionId | ~~Read Only,~~ M | M | -- |
| userLabel | userLabel (ITU-T Rec. M.3100 [9]) | ~~Read Write,~~ M | M | M |
| csMgwFunction- mscServerFunction | csMgwFunction- mscServerFunction | ~~Read Only,~~ M | M | -- |
| csMgwFunction- iucsLink | csMgwFunction- iucsLink | ~~Read Only,~~ M | M | -- |
| csMgwFunction- ALink | csMgwFunction- ALink | ~~Read Only,~~ M | M | -- |

**End of hange in Clause 4.2.2**

# 5 GDMO Definitions

## 5.1 Information Object Classes (IOCs)

### 5.1.1 smlcFunction

```
smlcFunction MANAGED OBJECT CLASS
    DERIVED FROM
        "3GPP TS 32.624 Release 5": managedFunction;
    CHARACTERIZED BY
        smlcFunctionBasicPackage,
        "3GPP TS 32.111-4 Release 5": x721AlarmNotificationsPackage;
    CONDITIONAL PACKAGES
        "Rec. M.3100: 1995":createDeleteNotificationsPackage
            PRESENT IF
            "the objectCreation and the objectDeletion notifications defined in
             ITU-T Rec. X.721 are supported by an instance of this class.",
        "Rec. M.3100: 1995":attributeValueChangeNotificationPackage
            PRESENT IF
            "the attributeValueChange notification defined in ITU-T Rec. X.721
             is supported by an instance of this class.";
REGISTERED AS {ts32-634ObjectClass 1};
```

### 5.1.2 gmlcFunction

```
gmlcFunction MANAGED OBJECT CLASS
    DERIVED FROM
        "3GPP TS 32.624 Release 5": managedFunction;
    CHARACTERIZED BY
        gmlcFunctionBasicPackage,
        "3GPP TS 32.111-4 Release 5": x721AlarmNotificationsPackage;
    CONDITIONAL PACKAGES
        "Rec. M.3100: 1995":createDeleteNotificationsPackage
            PRESENT IF
            "the objectCreation and the objectDeletion notifications defined in
             ITU-T Rec. X.721 are supported by an instance of this class.",
        "Rec. M.3100: 1995":attributeValueChangeNotificationPackage
            PRESENT IF
            "the attributeValueChange notification defined in ITU-T Rec. X.721
             is supported by an instance of this class.";
REGISTERED AS {ts32-634ObjectClass 2};
```

### 5.1.3 scfFunction

```
scfFunction MANAGED OBJECT CLASS
    DERIVED FROM
        "3GPP TS 32.624 Release 5": managedFunction;
    CHARACTERIZED BY
        scfFunctionBasicPackage,
        "3GPP TS 32.111-4 Release 5": x721AlarmNotificationsPackage;
    CONDITIONAL PACKAGES
        "Rec. M.3100: 1995":createDeleteNotificationsPackage
            PRESENT IF
            "the objectCreation and the objectDeletion notifications defined in
             ITU-T Rec. X.721 are supported by an instance of this class.",
        "Rec. M.3100: 1995":attributeValueChangeNotificationPackage
            PRESENT IF
            "the attributeValueChange notification defined in ITU-T Rec. X.721
             is supported by an instance of this class.";
REGISTERED AS {ts32-634ObjectClass 3};
```

### 5.1.4 srfFunction

```
srfFunction MANAGED OBJECT CLASS
    DERIVED FROM
```

```
         "3GPP TS 32.624 Release 5": managedFunction;
   CHARACTERIZED BY
      srfFunctionBasicPackage,
      "3GPP TS 32.111-4 Release 5": x721AlarmNotificationsPackage;
   CONDITIONAL PACKAGES
      "Rec. M.3100: 1995":createDeleteNotificationsPackage
         PRESENT IF
            "the objectCreation and the objectDeletion notifications defined in
             ITU-T Rec. X.721 are supported by an instance of this class.",
      "Rec. M.3100: 1995":attributeValueChangeNotificationPackage
         PRESENT IF
            "the attributeValueChange notification defined in ITU-T Rec. X.721
             is supported by an instance of this class.";
REGISTERED AS {ts32-634ObjectClass 4};
```

## 5.1.5     cbcFunction

```
cbcFunction MANAGED OBJECT CLASS
   DERIVED FROM
      "3GPP TS 32.624 Release 5": managedFunction;
   CHARACTERIZED BY
      cbcFunctionBasicPackage,
      "3GPP TS 32.111-4 Release 5": x721AlarmNotificationsPackage;
   CONDITIONAL PACKAGES
      "Rec. M.3100: 1995":createDeleteNotificationsPackage
         PRESENT IF
            "the objectCreation and the objectDeletion notifications defined in
             ITU-T Rec. X.721 are supported by an instance of this class.",
      "Rec. M.3100: 1995":attributeValueChangeNotificationPackage
         PRESENT IF
            "the attributeValueChange notification defined in ITU-T Rec. X.721
             is supported by an instance of this class.";
REGISTERED AS {ts32-634ObjectClass 5};
```

## 5.1.6     cgfFunction

```
cgfFunction MANAGED OBJECT CLASS
   DERIVED FROM
      "3GPP TS 32.624 Release 5": managedFunction;
   CHARACTERIZED BY
      cgfFunctionBasicPackage,
      "3GPP TS 32.111-4 Release 5": x721AlarmNotificationsPackage;
   CONDITIONAL PACKAGES
      "Rec. M.3100: 1995":createDeleteNotificationsPackage
         PRESENT IF
            "the objectCreation and the objectDeletion notifications defined in
             ITU-T Rec. X.721 are supported by an instance of this class.",
      "Rec. M.3100: 1995":attributeValueChangeNotificationPackage
         PRESENT IF
            "the attributeValueChange notification defined in ITU-T Rec. X.721
             is supported by an instance of this class.";
REGISTERED AS {ts32-634ObjectClass 6};
```

## 5.1.7     mgwFunction

```
mgwFunction MANAGED OBJECT CLASS
   DERIVED FROM
      "3GPP TS 32.624 Release 5": managedFunction;
   CHARACTERIZED BY
      mgwFunctionBasicPackage,
      "3GPP TS 32.111-4 Release 5": x721AlarmNotificationsPackage;
   CONDITIONAL PACKAGES
      "Rec. M.3100: 1995":createDeleteNotificationsPackage
         PRESENT IF
            "the objectCreation and the objectDeletion notifications defined in
             ITU-T Rec. X.721 are supported by an instance of this class.",
      "Rec. M.3100: 1995":attributeValueChangeNotificationPackage
         PRESENT IF
            "the attributeValueChange notification defined in ITU-T Rec. X.721
             is supported by an instance of this class.";
REGISTERED AS {ts32-634ObjectClass 7};
```

## 5.1.8 gmscFunction

```
gmscFunction MANAGED OBJECT CLASS
    DERIVED FROM
        "3GPP TS 32.624 Release 5": managedFunction;
    CHARACTERIZED BY
        gmscFunctionBasicPackage,
        "3GPP TS 32.111-4 Release 5": x721AlarmNotificationsPackage;
    CONDITIONAL PACKAGES
        "Rec. M.3100: 1995":createDeleteNotificationsPackage
            PRESENT IF
                "the objectCreation and the objectDeletion notifications defined in
                 ITU-T Rec. X.721 are supported by an instance of this class.",
        "Rec. M.3100: 1995":attributeValueChangeNotificationPackage
            PRESENT IF
                "the attributeValueChange notification defined in ITU-T Rec. X.721
                 is supported by an instance of this class.";
REGISTERED AS {ts32-634ObjectClass 8};
```

## 5.1.9 iwfFunction

```
iwfFunction MANAGED OBJECT CLASS
    DERIVED FROM
        "3GPP TS 32.624 Release 5": managedFunction;
    CHARACTERIZED BY
        iwfFunctionBasicPackage,
        "3GPP TS 32.111-4 Release 5": x721AlarmNotificationsPackage;
    CONDITIONAL PACKAGES
        "Rec. M.3100: 1995":createDeleteNotificationsPackage
            PRESENT IF
                "the objectCreation and the objectDeletion notifications defined in
                 ITU-T Rec. X.721 are supported by an instance of this class.",
        "Rec. M.3100: 1995":attributeValueChangeNotificationPackage
            PRESENT IF
                "the attributeValueChange notification defined in ITU-T Rec. X.721
                 is supported by an instance of this class.";
REGISTERED AS {ts32-634ObjectClass 9};
```

## 5.1.10 mnpSrfFunction

```
mnpSrfFunction MANAGED OBJECT CLASS
    DERIVED FROM
        "3GPP TS 32.624 Release 5": managedFunction;
    CHARACTERIZED BY
        mnpSrfFunctionBasicPackage,
        "3GPP TS 32.111-4 Release 5": x721AlarmNotificationsPackage;
    CONDITIONAL PACKAGES
        "Rec. M.3100: 1995":createDeleteNotificationsPackage
            PRESENT IF
                "the objectCreation and the objectDeletion notifications defined in
                 ITU-T Rec. X.721 are supported by an instance of this class.",
        "Rec. M.3100: 1995":attributeValueChangeNotificationPackage
            PRESENT IF
                "the attributeValueChange notification defined in ITU-T Rec. X.721
                 is supported by an instance of this class.";
REGISTERED AS {ts32-634ObjectClass 10};
```

## 5.1.11 npdbFunction

```
npdbFunction MANAGED OBJECT CLASS
    DERIVED FROM
        "3GPP TS 32.624 Release 5": managedFunction;
    CHARACTERIZED BY
        npdbFunctionBasicPackage,
        "3GPP TS 32.111-4 Release 5": x721AlarmNotificationsPackage;
    CONDITIONAL PACKAGES
        "Rec. M.3100: 1995":createDeleteNotificationsPackage
            PRESENT IF
                "the objectCreation and the objectDeletion notifications defined in
                 ITU-T Rec. X.721 are supported by an instance of this class.",
        "Rec. M.3100: 1995":attributeValueChangeNotificationPackage
            PRESENT IF
                "the attributeValueChange notification defined in ITU-T Rec. X.721
```

```
                       is supported by an instance of this class.";
REGISTERED AS {ts32-634ObjectClass 11};
```

## 5.1.12    rSgwFunction

```
rSgwFunction MANAGED OBJECT CLASS
    DERIVED FROM
        "3GPP TS 32.624 Release 5": managedFunction;
    CHARACTERIZED BY
        rSgwFunctionBasicPackage,
        "3GPP TS 32.111-4 Release 5": x721AlarmNotificationsPackage;
    CONDITIONAL PACKAGES
        "Rec. M.3100: 1995":createDeleteNotificationsPackage
            PRESENT IF
              "the objectCreation and the objectDeletion notifications defined in
               ITU-T Rec. X.721 are supported by an instance of this class.",
        "Rec. M.3100: 1995":attributeValueChangeNotificationPackage
            PRESENT IF
              "the attributeValueChange notification defined in ITU-T Rec. X.721
               is supported by an instance of this class.";
REGISTERED AS {ts32-634ObjectClass 12};
```

## 5.1.13    ssfFunction

```
ssfFunction MANAGED OBJECT CLASS
    DERIVED FROM
        "3GPP TS 32.624 Release 5": managedFunction;
    CHARACTERIZED BY
        ssfFunctionBasicPackage,
        "3GPP TS 32.111-4 Release 5": x721AlarmNotificationsPackage;
    CONDITIONAL PACKAGES
        "Rec. M.3100: 1995":createDeleteNotificationsPackage
            PRESENT IF
              "the objectCreation and the objectDeletion notifications defined in
               ITU-T Rec. X.721 are supported by an instance of this class.",
        "Rec. M.3100: 1995":attributeValueChangeNotificationPackage
            PRESENT IF
              "the attributeValueChange notification defined in ITU-T Rec. X.721
               is supported by an instance of this class.";
REGISTERED AS {ts32-634ObjectClass 13};
```

## 5.1.14    bsFunction

```
bsFunction MANAGED OBJECT CLASS
    DERIVED FROM
        "3GPP TS 32.624 Release 5": managedFunction;
    CHARACTERIZED BY
        bsFunctionBasicPackage,
        "3GPP TS 32.111-4 Release 5": x721AlarmNotificationsPackage;
    CONDITIONAL PACKAGES
        "Rec. M.3100: 1995":createDeleteNotificationsPackage
            PRESENT IF
              "the objectCreation and the objectDeletion notifications defined in
               ITU-T Rec. X.721 are supported by an instance of this class.",
        "Rec. M.3100: 1995":attributeValueChangeNotificationPackage
            PRESENT IF
              "the attributeValueChange notification defined in ITU-T Rec. X.721
               is supported by an instance of this class.";
REGISTERED AS {ts32-634ObjectClass 14};
```

## 5.1.15    aucFunction

```
aucFunction MANAGED OBJECT CLASS
    DERIVED FROM
        "3GPP TS 32.624 Release 5": managedFunction;
    CHARACTERIZED BY
        aucFunctionBasicPackage,
        "3GPP TS 32.111-4 Release 5": x721AlarmNotificationsPackage;
    CONDITIONAL PACKAGES
        "Rec. M.3100: 1995":createDeleteNotificationsPackage
            PRESENT IF
              "the objectCreation and the objectDeletion notifications defined in
               ITU-T Rec. X.721 are supported by an instance of this class.",
```

```
        "Rec. M.3100: 1995":attributeValueChangeNotificationPackage
            PRESENT IF
              "the attributeValueChange notification defined in ITU-T Rec. X.721
               is supported by an instance of this class.";
REGISTERED AS {ts32-634ObjectClass 15};
```

## 5.1.16    bgFunction

```
bgFunction MANAGED OBJECT CLASS
    DERIVED FROM
      "3GPP TS 32.624 Release 5": managedFunction;
    CHARACTERIZED BY
      bgFunctionBasicPackage,
      "3GPP TS 32.111-4 Release 5": x721AlarmNotificationsPackage;
    CONDITIONAL PACKAGES
      "Rec. M.3100: 1995":createDeleteNotificationsPackage
          PRESENT IF
            "the objectCreation and the objectDeletion notifications defined in
             ITU-T Rec. X.721 are supported by an instance of this class.",
      "Rec. M.3100: 1995":attributeValueChangeNotificationPackage
          PRESENT IF
            "the attributeValueChange notification defined in ITU-T Rec. X.721
             is supported by an instance of this class.";
REGISTERED AS {ts32-634ObjectClass 16};
```

## 5.1.17    eirFunction

```
eirFunction MANAGED OBJECT CLASS
    DERIVED FROM
      "3GPP TS 32.624 Release 5": managedFunction;
    CHARACTERIZED BY
      eirFunctionBasicPackage,
      "3GPP TS 32.111-4 Release 5": x721AlarmNotificationsPackage;
    CONDITIONAL PACKAGES
      "Rec. M.3100: 1995":createDeleteNotificationsPackage
          PRESENT IF
            "the objectCreation and the objectDeletion notifications defined in
             ITU-T Rec. X.721 are supported by an instance of this class.",
      "Rec. M.3100: 1995":attributeValueChangeNotificationPackage
          PRESENT IF
            "the attributeValueChange notification defined in ITU-T Rec. X.721
             is supported by an instance of this class.";
REGISTERED AS {ts32-634ObjectClass 17};
```

## 5.1.18    ggsnFunction

```
ggsnFunction MANAGED OBJECT CLASS
    DERIVED FROM
      "3GPP TS 32.624 Release 5": managedFunction;
    CHARACTERIZED BY
      ggsnFunctionBasicPackage,
      "3GPP TS 32.111-4 Release 5": x721AlarmNotificationsPackage;
    CONDITIONAL PACKAGES
      "Rec. M.3100: 1995":createDeleteNotificationsPackage
          PRESENT IF
            "the objectCreation and the objectDeletion notifications defined in
             ITU-T Rec. X.721 are supported by an instance of this class.",
      "Rec. M.3100: 1995":attributeValueChangeNotificationPackage
          PRESENT IF
            "the attributeValueChange notification defined in ITU-T Rec. X.721
             is supported by an instance of this class.";
REGISTERED AS {ts32-634ObjectClass 18};
```

## 5.1.19    hlrFunction

```
hlrFunction MANAGED OBJECT CLASS
    DERIVED FROM
      "3GPP TS 32.624 Release 5": managedFunction;
    CHARACTERIZED BY
      hlrFunctionBasicPackage,
      "3GPP TS 32.111-4 Release 5": x721AlarmNotificationsPackage;
    CONDITIONAL PACKAGES
      "Rec. M.3100: 1995":createDeleteNotificationsPackage
```

```
        PRESENT IF
            "the objectCreation and the objectDeletion notifications defined in
             ITU-T Rec. X.721 are supported by an instance of this class.",
      "Rec. M.3100: 1995":attributeValueChangeNotificationPackage
            PRESENT IF
                "the attributeValueChange notification defined in ITU-T Rec. X.721
                 is supported by an instance of this class.";
REGISTERED AS {ts32-634ObjectClass 19};
```

## 5.1.20  mscServerFunction

```
mscFunction MANAGED OBJECT CLASS
    DERIVED FROM
        "3GPP TS 32.624 Release 5": managedFunction;
    CHARACTERIZED BY
        mscServerFunctionBasicPackage,
        mscServerFunctionAssociationPackage,
        "3GPP TS 32.111-4 Release 5": x721AlarmNotificationsPackage;
    CONDITIONAL PACKAGES
        "Rec. M.3100: 1995":createDeleteNotificationsPackage
            PRESENT IF
                "the objectCreation and the objectDeletion notifications defined in
                 ITU-T Rec. X.721 are supported by an instance of this class.",
        "Rec. M.3100: 1995":attributeValueChangeNotificationPackage
            PRESENT IF
                "the attributeValueChange notification defined in ITU-T Rec. X.721
                 is supported by an instance of this class.";
REGISTERED AS {ts32-634ObjectClass 20};
```

## 5.1.21  sgsnFunction

```
sgsnFunction MANAGED OBJECT CLASS
    DERIVED FROM
        "3GPP TS 32.624 Release 5": managedFunction;
    CHARACTERIZED BY
        sgsnFunctionBasicPackage,
        sgsnFunctionAssociationPackage,
        "3GPP TS 32.111-4 Release 5": x721AlarmNotificationsPackage;
    CONDITIONAL PACKAGES
        "Rec. M.3100: 1995":createDeleteNotificationsPackage
            PRESENT IF
                "the objectCreation and the objectDeletion notifications defined in
                 ITU-T Rec. X.721 are supported by an instance of this class.",
        "Rec. M.3100: 1995":attributeValueChangeNotificationPackage
            PRESENT IF
                "the attributeValueChange notification defined in ITU-T Rec. X.721
                 is supported by an instance of this class.";
REGISTERED AS {ts32-634ObjectClass 21};
```

## 5.1.22  smsGmscFunction

```
smsGmscFunction MANAGED OBJECT CLASS
    DERIVED FROM
        "3GPP TS 32.624 Release 5": managedFunction;
    CHARACTERIZED BY
        smsGmscFunctionBasicPackage,
        "3GPP TS 32.111-4 Release 5": x721AlarmNotificationsPackage;
    CONDITIONAL PACKAGES
        "Rec. M.3100: 1995":createDeleteNotificationsPackage
            PRESENT IF
                "the objectCreation and the objectDeletion notifications defined in
                 ITU-T Rec. X.721 are supported by an instance of this class.",
        "Rec. M.3100: 1995":attributeValueChangeNotificationPackage
            PRESENT IF
                "the attributeValueChange notification defined in ITU-T Rec. X.721
                 is supported by an instance of this class.";
REGISTERED AS {ts32-634ObjectClass 22};
```

## 5.1.23  smsIwmscFunction

```
smsIwmscFunction MANAGED OBJECT CLASS
    DERIVED FROM
        "3GPP TS 32.624 Release 5": managedFunction;
```

```
        CHARACTERIZED BY
            smsIwmscFunctionBasicPackage,
            "3GPP TS 32.111-4 Release 5": x721AlarmNotificationsPackage;
        CONDITIONAL PACKAGES
            "Rec. M.3100: 1995":createDeleteNotificationsPackage
                PRESENT IF
                  "the objectCreation and the objectDeletion notifications defined in
                   ITU-T Rec. X.721 are supported by an instance of this class.",
            "Rec. M.3100: 1995":attributeValueChangeNotificationPackage
                PRESENT IF
                  "the attributeValueChange notification defined in ITU-T Rec. X.721
                   is supported by an instance of this class.";
REGISTERED AS {ts32-634ObjectClass 23};
```

## 5.1.24    vlrFunction

```
vlrFunction MANAGED OBJECT CLASS
    DERIVED FROM
        "3GPP TS 32.624 Release 5": managedFunction;
    CHARACTERIZED BY
        vlrFunctionBasicPackage,
        "3GPP TS 32.111-4 Release 5": x721AlarmNotificationsPackage;
    CONDITIONAL PACKAGES
        "Rec. M.3100: 1995":createDeleteNotificationsPackage
            PRESENT IF
              "the objectCreation and the objectDeletion notifications defined in
               ITU-T Rec. X.721 are supported by an instance of this class.",
        "Rec. M.3100: 1995":attributeValueChangeNotificationPackage
            PRESENT IF
              "the attributeValueChange notification defined in ITU-T Rec. X.721
               is supported by an instance of this class.";
REGISTERED AS {ts32-634ObjectClass 24};
```

## 5.1.25    gbLink

```
gbLink MANAGED OBJECT CLASS
    DERIVED FROM
        "3GPP TS 32.624 Release 5": managedFunction;
    CHARACTERIZED BY
        gbLinkBasicPackage,
        gbLinkAssociationPackage,
        "3GPP TS 32.111-4 Release 5": x721AlarmNotificationsPackage;
    CONDITIONAL PACKAGES
        "Rec. M.3100: 1995":createDeleteNotificationsPackage
            PRESENT IF
              "the objectCreation and the objectDeletion notifications defined in
               ITU-T Rec. X.721 are supported by an instance of this class.",
        "Rec. M.3100: 1995":attributeValueChangeNotificationPackage
            PRESENT IF
              "the attributeValueChange notification defined in ITU-T Rec. X.721
               is supported by an instance of this class.";
REGISTERED AS {ts32-634ObjectClass 25};
```

## 5.1.26    aLink

```
aLink MANAGED OBJECT CLASS
    DERIVED FROM
        "3GPP TS 32.624 Release 5": managedFunction;
    CHARACTERIZED BY
        aLinkBasicPackage,
        aLinkAssociationPackage,
        "3GPP TS 32.111-4 Release 5": x721AlarmNotificationsPackage;
    CONDITIONAL PACKAGES
        "Rec. M.3100: 1995":createDeleteNotificationsPackage
            PRESENT IF
              "the objectCreation and the objectDeletion notifications defined in
               ITU-T Rec. X.721 are supported by an instance of this class.",
        "Rec. M.3100: 1995":attributeValueChangeNotificationPackage
            PRESENT IF
              "the attributeValueChange notification defined in ITU-T Rec. X.721
               is supported by an instance of this class.";
REGISTERED AS {ts32-634ObjectClass 26};
```

## 5.1.27　iucsLink

```
iucsLink MANAGED OBJECT CLASS
    DERIVED FROM
        "3GPP TS 32.624 Release 5": managedFunction;
    CHARACTERIZED BY
        iucsLinkBasicPackage,
        iucsLinkAssociationPackage,
        "3GPP TS 32.111-4 Release 5": x721AlarmNotificationsPackage;
    CONDITIONAL PACKAGES
        "Rec. M.3100: 1995":createDeleteNotificationsPackage
            PRESENT IF
                "the objectCreation and the objectDeletion notifications defined in
                 ITU-T Rec. X.721 are supported by an instance of this class.",
        "Rec. M.3100: 1995":attributeValueChangeNotificationPackage
            PRESENT IF
                "the attributeValueChange notification defined in ITU-T Rec. X.721
                 is supported by an instance of this class.";
REGISTERED AS {ts32-634ObjectClass 27};
```

## 5.1.28　iupsLink

```
iupsLink MANAGED OBJECT CLASS
    DERIVED FROM
        "3GPP TS 32.624 Release 5": managedFunction;
    CHARACTERIZED BY
        iupsLinkBasicPackage,
        iupsLinkAssociationPackage,
        "3GPP TS 32.111-4 Release 5": x721AlarmNotificationsPackage;
    CONDITIONAL PACKAGES
        "Rec. M.3100: 1995":createDeleteNotificationsPackage
            PRESENT IF
                "the objectCreation and the objectDeletion notifications defined in
                 ITU-T Rec. X.721 are supported by an instance of this class.",
        "Rec. M.3100: 1995":attributeValueChangeNotificationPackage
            PRESENT IF
                "the attributeValueChange notification defined in ITU-T Rec. X.721
                 is supported by an instance of this class.";
REGISTERED AS {ts32-634ObjectClass 28};
```

## 5.1.29　iubcLink

```
iubcLink MANAGED OBJECT CLASS
    DERIVED FROM
        "3GPP TS 32.624 Release 5": managedFunction;
    CHARACTERIZED BY
        iubcLinkBasicPackage,
        iubcLinkAssociationPackage,
        "3GPP TS 32.111-4 Release 5": x721AlarmNotificationsPackage;
    CONDITIONAL PACKAGES
        "Rec. M.3100: 1995":createDeleteNotificationsPackage
            PRESENT IF
                "the objectCreation and the objectDeletion notifications defined in
                 ITU-T Rec. X.721 are supported by an instance of this class.",
        "Rec. M.3100: 1995":attributeValueChangeNotificationPackage
            PRESENT IF
                "the attributeValueChange notification defined in ITU-T Rec. X.721
                 is supported by an instance of this class.";
REGISTERED AS {ts32-634ObjectClass 29};
```

## 5.1.30　csMgwFunction

```
csMgwFunction MANAGED OBJECT CLASS
    DERIVED FROM
        "3GPP TS 32.624 Release 5": managedFunction;
    CHARACTERIZED BY
        csMgwFunctionBasicPackage,
        csMgwFunctionAssociationPackage,
        "3GPP TS 32.111-4 Release 5": x721AlarmNotificationsPackage;
    CONDITIONAL PACKAGES
        "Rec. M.3100: 1995":createDeleteNotificationsPackage
            PRESENT IF
                "the objectCreation and the objectDeletion notifications defined in
```

```
                ITU-T Rec. X.721 are supported by an instance of this class.",
        "Rec. M.3100: 1995":attributeValueChangeNotificationPackage
                PRESENT IF
                   "the attributeValueChange notification defined in ITU-T Rec. X.721
                    is supported by an instance of this class.";
REGISTERED AS {ts32-634ObjectClass 30};
```

## 5.1.31   GmscServerFunction

```
gmscServerFunction MANAGED OBJECT CLASS
    DERIVED FROM
        "3GPP TS 32.624 Release 5": managedFunction;
    CHARACTERIZED BY
        gmscServerFunctionBasicPackage,
        "3GPP TS 32.111-4 Release 5": x721AlarmNotificationsPackage;
    CONDITIONAL PACKAGES
        "Rec. M.3100: 1995":createDeleteNotificationsPackage
                PRESENT IF
                   "the objectCreation and the objectDeletion notifications defined in
                    ITU-T Rec. X.721 are supported by an instance of this class.",
        "Rec. M.3100: 1995":attributeValueChangeNotificationPackage
                PRESENT IF
                   "the attributeValueChange notification defined in ITU-T Rec. X.721
                    is supported by an instance of this class.";
REGISTERED AS {ts32-634ObjectClass 31};
```

# 5.2 Packages

## 5.2.1   smlcFunctionBasicPackage

```
smlcFunctionBasicPackage PACKAGE
    BEHAVIOUR
        smlcFunctionBasicPackageBehaviour;
    ATTRIBUTES
        smlcFunctionId     GET;
REGISTERED AS {ts32-634Package 1};
```

```
smlcFunctionBasicPackageBehaviour BEHAVIOUR
DEFINED AS
    "The 'SmlcFunction' Information Object represents the SMLC functionality. For more information
     about the SMLC, see 3GPP TS 23.002";
```

## 5.2.2   gmlcFunctionBasicPackage

```
gmlcFunctionBasicPackage PACKAGE
    BEHAVIOUR
        gmlcFunctionBasicPackageBehaviour;
    ATTRIBUTES
        gmlcFunctionId     GET;
REGISTERED AS {ts32-634Package 2};
```

```
gmlcFunctionBasicPackageBehaviour BEHAVIOUR
DEFINED AS
    "The 'GmlcFunction' Information Object represents the GMLC functionality. For more information
     about the GMLC, see 3GPP TS 23.002";
```

## 5.2.3   scfFunctionBasicPackage

```
scfFunctionBasicPackage PACKAGE
    BEHAVIOUR
        scfFunctionBasicPackageBehaviour;
    ATTRIBUTES
        scfFunctionId     GET;
REGISTERED AS {ts32-634Package 3};
```

```
scfFunctionBasicPackageBehaviour BEHAVIOUR
DEFINED AS
    "The 'ScfFunction' Information Object represents the SCF functionality. For more information
     about the SCF, see 3GPP TS 23.002";
```

## 5.2.4 srfFunctionBasicPackage

```
srfFunctionBasicPackage PACKAGE
    BEHAVIOUR
        srfFunctionBasicPackageBehaviour;
    ATTRIBUTES
        srfFunctionId      GET;
REGISTERED AS {ts32-634Package 4};


srfFunctionBasicPackageBehaviour BEHAVIOUR
DEFINED AS
    "The 'SrfFunction' Information Object represents the SRF functionality. For more information
     about the SRF, see 3GPP TS 23.002";
```

## 5.2.5 cbcFunctionBasicPackage

```
cbcFunctionBasicPackage PACKAGE
    BEHAVIOUR
        cbcFunctionBasicPackageBehaviour;
    ATTRIBUTES
        cbcFunctionId      GET;
REGISTERED AS {ts32-634Package 5};


cbcFunctionBasicPackageBehaviour BEHAVIOUR
DEFINED AS
    "The 'CbcFunction' Information Object represents the SBC functionality. For more
     information about the SBC, see 3GPP TS 23.002";
```

## 5.2.6 cgfFunctionBasicPackage

```
cgfFunctionBasicPackage PACKAGE
    BEHAVIOUR
        cgfFunctionBasicPackageBehaviour;
    ATTRIBUTES
        cgfFunctionId      GET;
REGISTERED AS {ts32-634Package 6};


cgfFunctionBasicPackageBehaviour BEHAVIOUR
DEFINED AS
    "The 'CgfFunction' Information Object represents the CGF functionality. For more information
     about the CGF, see 3GPP TS 23.002";
```

## 5.2.7 mgwFunctionBasicPackage

```
mgwFunctionBasicPackage PACKAGE
    BEHAVIOUR
        mgwFunctionBasicPackageBehaviour;
    ATTRIBUTES
        mgwFunctionId  GET;
REGISTERED AS {ts32-634Package 7};


mgwFunctionBasicPackageBehaviour BEHAVIOUR
DEFINED AS
    "The 'MgwFunction' Information Object represents the MGW functionality. For more information
     about the MGW, see 3GPP TS 23.002";
```

## 5.2.8 gmscFunctionBasicPackage

```
gmscFunctionBasicPackage PACKAGE
    BEHAVIOUR
        gmscFunctionBasicPackageBehaviour;
    ATTRIBUTES
        gmscFunctionId      GET;
REGISTERED AS {ts32-634Package 8};


gmscFunctionBasicPackageBehaviour BEHAVIOUR
DEFINED AS
    "The 'GmscFunction' Information Object represents the GMSC functionality. For more information
     about the GMSC, see 3GPP TS 23.002";
```

## 5.2.9    iwfFunctionBasicPackage

```
iwfFunctionBasicPackage PACKAGE
   BEHAVIOUR
      iwfFunctionBasicPackageBehaviour;
   ATTRIBUTES
      iwfFunctionId      GET;
REGISTERED AS {ts32-634Package 9};


iwfFunctionBasicPackageBehaviour BEHAVIOUR
DEFINED AS
   "The 'IwfFunction' Information Object represents the IWF functionality. For more information
    about the IWF, see 3GPP TS 23.002";
```

## 5.2.10    mnpSrfFunctionBasicPackage

```
mnpSrfFunctionBasicPackage PACKAGE
   BEHAVIOUR
      mnpSrfFunctionBasicPackageBehaviour;
   ATTRIBUTES
      mnpSrfFunctionId  GET;
REGISTERED AS {ts32-634Package 10};

mnpSrfFunctionBasicPackageBehaviour BEHAVIOUR
DEFINED AS
   "The 'MnpSrfFunction' Information Object represents the MNPSRF functionality. For more
    information about the MNPSRF, see 3GPP TS 23.002";
```

## 5.2.11    npdbFunctionBasicPackage

```
npdbFunctionBasicPackage PACKAGE
    BEHAVIOUR
       npdbFunctionBasicPackageBehaviour;
    ATTRIBUTES
       npdbFunctionId  GET;
REGISTERED AS {ts32-634Package 11};

npdbFunctionBasicPackageBehaviour BEHAVIOUR
    DEFINED AS
"The 'NpdbFunction' Information Object represents the NPDB functionality. For more information about
the NPDB, see 3GPP TS 23.002";
```

## 5.2.12    rSgwFunctionBasicPackage

```
rSgwFunctionBasicPackage PACKAGE
   BEHAVIOUR
      rSgwFunctionBasicPackageBehaviour;
   ATTRIBUTES
      rSgwFunctionId      GET;
REGISTERED AS {ts32-634Package 12};

rSgwFunctionBasicPackageBehaviour BEHAVIOUR
DEFINED AS
   "The 'RSgwFunction' Information Object represents the R-SGW functionality. For more information
    about the R-SGW, see 3GPP TS 23.002";
```

## 5.2.13    ssfFunctionBasicPackage

```
ssfFunctionBasicPackage PACKAGE
   BEHAVIOUR
      ssfFunctionBasicPackageBehaviour;
   ATTRIBUTES
      ssfFunctionId      GET;
REGISTERED AS {ts32-634Package 13};

ssfFunctionBasicPackageBehaviour BEHAVIOUR
DEFINED AS
   "The 'SsfFunction' Information Object represents the SSF functionality. For more information
    about the SSF, see 3GPP TS 23.002";
```

## 5.2.14  bsFunctionBasicPackage

```
bsFunctionBasicPackage PACKAGE
   BEHAVIOUR
      bsFunctionBasicPackageBehaviour;
   ATTRIBUTES
      bsFunctionId      GET;
REGISTERED AS {ts32-634Package 14};


bsFunctionBasicPackageBehaviour BEHAVIOUR
DEFINED AS
   "The 'BsFunction' Information Object represents the BS functionality. For more information about
    the BS, see 3GPP TS 23.002";
```

## 5.2.15  aucFunctionBasicPackage

```
aucFunctionBasicPackage PACKAGE
   BEHAVIOUR
      aucFunctionBasicPackageBehaviour;
   ATTRIBUTES
      aucFunctionId     GET;
REGISTERED AS {ts32-634Package 15};


aucFunctionBasicPackageBehaviour BEHAVIOUR
DEFINED AS
   "The 'aucFunction' Information Object represents the AUC functionality. For more information
    about the AUC, see 3GPP TS 23.002";
```

## 5.2.16  bgFunctionBasicPackage

```
bgFunctionBasicPackage PACKAGE
   BEHAVIOUR
      bgFunctionBasicPackageBehaviour;
   ATTRIBUTES
      bgFunctionId      GET;
REGISTERED AS {ts32-634Package 16};


bgFunctionBasicPackageBehaviour BEHAVIOUR
DEFINED AS
   "The 'bgFunction' Information Object represents the BG functionality. For more information about
    the BG, see 3GPP TS 23.002";
```

## 5.2.17  eirFunctionBasicPackage

```
eirFunctionBasicPackage PACKAGE
   BEHAVIOUR
      eirFunctionBasicPackageBehaviour;
   ATTRIBUTES
      eirFunctionId  GET;
REGISTERED AS {ts32-634Package 17};


eirFunctionBasicPackageBehaviour BEHAVIOUR
DEFINED AS
   "The 'EirFunction' Information Object represents the EIR functionality. For more information
    about the EIR, see 3GPP TS 23.002";
```

## 5.2.18  ggsnFunctionBasicPackage

```
ggsnFunctionBasicPackage PACKAGE
   BEHAVIOUR
      ggsnFunctionBasicPackageBehaviour;
   ATTRIBUTES
      ggsnFunctionId  GET;
REGISTERED AS {ts32-634Package 18};


ggsnFunctionBasicPackageBehaviour BEHAVIOUR
DEFINED AS
   "The 'GGSNFunction' Information Object represents the GGSN functionality. For more information
    about the GGSN, see 3GPP TS 23.002";
```

## 5.2.19    hlrFunctionBasicPackage

```
hlrFunctionBasicPackage PACKAGE
    BEHAVIOUR
       hlrFunctionBasicPackageBehaviour;
    ATTRIBUTES
       hlrFunctionId      GET;
REGISTERED AS {ts32-634Package 19};


hlrFunctionBasicPackageBehaviour BEHAVIOUR
DEFINED AS
    "The 'HLRFunction' Information Object represents the HLR functionality. For more information
     about the HLR, see 3GPP TS 23.002";
```

## 5.2.20    mscServerFunctionBasicPackage

```
mscServerFunctionBasicPackage PACKAGE
    BEHAVIOUR
       mscServerFunctionBasicPackageBehaviour;
    ATTRIBUTES
       mscServerFunctionId      GET,
       mccList                  GET-REPLACE,
       mncList                  GET-REPLACE,
       lacList                  GET-REPLACE,
       sacList                  GET-REPLACE,
       uraList                  GET REPLACE,
       gcaList                  GET-REPLACE,
       mscId                    GET-REPLACE;
REGISTERED AS {ts32-634Package 20};


mscServerFunctionBasicPackageBehaviour BEHAVIOUR
DEFINED AS
    "The 'MSCServerFunction' Information Object represents the MSCServer functionality.
     For more information about the MSCServer, see 3GPP TS 23.002";
```

## 5.2.21    mscServerFunctionAssociationPackage

```
mscServerFunctionAssociationPackage PACKAGE
    BEHAVIOUR
       mscServerFunctionAssociationPackageBehaviour;
    ATTRIBUTES
       mscServerFunction-GSMcell             GET,
       mscServerFunction-ExternalGSMcell     GET,
       mscServerFunction-CsMgwFunction       GET;
REGISTERED AS {ts32-634Package 21};


mscServerFunctionAssociationPackageBehaviour BEHAVIOUR
DEFINED AS
    "This Package contains the attributes of an 'MscServerFunction' information object in
     relation with associations to GsmCell, ExternalGsmCell and CsMgwFunction information objects";
```

## 5.2.22    sgsnFunctionBasicPackage

```
sgsnFunctionBasicPackage PACKAGE
    BEHAVIOUR
       sgsnFunctionBasicPackageBehaviour;
    ATTRIBUTES
       sgsnFunctionId      GET,
       mccList             GET-REPLACE,
       mncList             GET-REPLACE,
       lacList             GET-REPLACE,
       racList             GET-REPLACE,
       sgsnId              GET-REPLACE,
       mscId               GET-REPLACE;
REGISTERED AS {ts32-634Package 22};


sgsnFunctionBasicPackageBehaviour BEHAVIOUR
DEFINED AS
    "The 'sgsnFunction' Information Object represents the SGSN functionality. For more information
     about the SGSN, see 3GPP TS 23.002";
```

## 5.2.23    sgsnFunctionAssociattionPackage

```
sgsnFunctionAssociationPackage PACKAGE
    BEHAVIOUR
      sgsnFunctionAssociationPackageBehaviour;
    ATTRIBUTES
      sgsnFunction-GSMcell            GET,
      sgsnFunction-ExternalGSMcell    GET;
REGISTERED AS {ts32-634Package 23};


sgsnFunctionAssociationPackageBehaviour BEHAVIOUR
DEFINED AS
    "This Package contains the attributes of an 'SGSNFunction' information object in relation
     with associations to GsmCell and ExternalGsmCell information objects.";
```

## 5.2.24    smsGmscFunctionBasicPackage

```
smsGmscFunctionBasicPackage PACKAGE
    BEHAVIOUR
      smsGmscFunctionBasicPackageBehaviour;
    ATTRIBUTES
      smsGmscFunctionId    GET;
REGISTERED AS {ts32-634Package 24};

smsGmscFunctionBasicPackageBehaviour BEHAVIOUR
DEFINED AS
    "The 'smsGmscFunction' Information Object represents the SMS-GMSC functionality.
     For more information about the SMS-GMSC, see 3GPP TS 23.002";
```

## 5.2.25    smsIwmscFunctionBasicPackage

```
smsIwmscFunctionBasicPackage PACKAGE
    BEHAVIOUR
      smsIwmscFunctionBasicPackageBehaviour;
    ATTRIBUTES
      smsIwmscFunctionId    GET;
REGISTERED AS {ts32-634Package 25};

smsIwmscFunctionBasicPackageBehaviour BEHAVIOUR
DEFINED AS
    "The 'smsIwmscFunction' Information Object represents the SmsIwMSC functionality.
     For more information about the SmsIwMsc, see 3GPP TS 23.002";
```

## 5.2.26    vlrFunctionBasicPackage

```
vlrFunctionBasicPackage PACKAGE
    BEHAVIOUR
      vlrFunctionBasicPackageBehaviour;
    ATTRIBUTES
      vlrFunctionId    GET;
REGISTERED AS {ts32-634Package 26};

vlrFunctionBasicPackageBehaviour BEHAVIOUR
DEFINED AS
    "The 'vlrFunction' Information Object represents the VLR functionality. For more information
     about the VLR, see 3GPP TS 23.002";
```

## 5.2.27    gbLinkBasicPackage

```
gbLinkBasicPackage PACKAGE
    BEHAVIOUR
      gbLinkBasicPackageBehaviour;
    ATTRIBUTES
      gbLinkId    GET;
REGISTERED AS {ts32-634Package 27};

gbLinkBasicPackageBehaviour BEHAVIOUR
DEFINED AS
    "The 'gbLink' Information Object represents the Gb link functionality. For more information
     about the Gb link, see 3GPP TS 23.002";
```

## 5.2.28    gbLinkAssociationPackage

```
gbLinkAssociationPackage PACKAGE
    BEHAVIOUR
       gbLinkAssociationPackageBehaviour;
    ATTRIBUTES
       connectedBss      GET;
REGISTERED AS {ts32-634Package 28};

gbLinkAssociationPackageBehaviour BEHAVIOUR
DEFINED AS
    "This Package contains the attributes of an 'gbLink' information object in relation with
     associations to BssFunction or ExternalBssFunction objects";
```

## 5.2.29    aLinkBasicPackage

```
aLinkBasicPackage PACKAGE
    BEHAVIOUR
       aLinkBasicPackageBehaviour;
    ATTRIBUTES
       aLinkId      GET;
REGISTERED AS {ts32-634Package 29};

aLinkBasicPackageBehaviour BEHAVIOUR
DEFINED AS
    "The 'aLink' Information Object represents the A link functionality. For more information
     about the A link, see 3GPP TS 23.002";
```

## 5.2.30    aLinkAssociationPackage

```
aLinkAssociationPackage PACKAGE
    BEHAVIOUR
       aLinkAssociationPackageBehaviour;
    ATTRIBUTES
       connectedBss      GET;
REGISTERED AS {ts32-634Package 30};

aLinkAssociationPackageBehaviour BEHAVIOUR
DEFINED AS
    "This Package contains the attributes of an 'aLink' information object in relation with
     associations to BssFunction or ExternalBssFunction objects";
```

## 5.2.31    iucsLinkBasicPackage

```
iucsLinkBasicPackage PACKAGE
    BEHAVIOUR
       iucsLinkBasicPackageBehaviour;
    ATTRIBUTES
       iucsLinkId      GET;
REGISTERED AS {ts32-634Package 31};

iucsLinkBasicPackageBehaviour BEHAVIOUR
DEFINED AS
    "The 'iucsLink' Information Object represents the Iu-cs link functionality. For more
     information about the Iu-cs link, see 3GPP TS 23.002";
```

## 5.2.32    iucsLinkAssociationPackage

```
iucsLinkAssociationPackage PACKAGE
    BEHAVIOUR
       iucsLinkAssociationPackageBehaviour;
    ATTRIBUTES
       connectedRnc      GET,
       connectedBss      GET;
REGISTERED AS {ts32-634Package 32};

iucsLinkAssociationPackageBehaviour BEHAVIOUR
DEFINED AS
    "This Package contains the attributes of an 'iucsLink' information object in relation with
     associations to Bss/RncFunction or ExternalBss/RncFunction objects";
```

## 5.2.33    iupsLinkBasicPackage

```
iupsLinkBasicPackage PACKAGE
   BEHAVIOUR
      iupsLinkBasicPackageBehaviour;
   ATTRIBUTES
      iupsLinkId      GET;
REGISTERED AS {ts32-634Package 33};


iupsLinkBasicPackageBehaviour BEHAVIOUR
DEFINED AS
   "The 'iupsLink' Information Object represents the Iu-ps link functionality. For more
    information about the Iu-ps link, see 3GPP TS 23.002";
```

## 5.2.34    iupsLinkAssociationPackage

```
iupsLinkAssociationPackage PACKAGE
   BEHAVIOUR
      iupsLinkAssociationPackageBehaviour;
   ATTRIBUTES
      connectedRnc      GET,
      connectedBss      GET;
REGISTERED AS {ts32-634Package 34};


iupsLinkAssociationPackageBehaviour BEHAVIOUR
DEFINED AS
   "This Package contains the attributes of an 'iupsLink' information object in relation with
    associations to Bss/RncFunction or ExternalBss/RncFunction objects";
```

## 5.2.35    iubcLinkBasicPackage

```
iubcLinkBasicPackage PACKAGE
   BEHAVIOUR
      iubcLinkBasicPackageBehaviour;
   ATTRIBUTES
      iubcLinkId      GET;
REGISTERED AS {ts32-634Package 35};


iubcLinkBasicPackageBehaviour BEHAVIOUR
DEFINED AS
   "The 'iubcLink' Information Object represents the Iu-bc link functionality. For more
    information about the Iu-bc link, see 3GPP TS 23.002";
```

## 5.2.36    iubcLinkAssociationPackage

```
iubcLinkAssociationPackage PACKAGE
   BEHAVIOUR
      iubcLinkAssociationPackageBehaviour;
   ATTRIBUTES
      connectedRnc      GET;
REGISTERED AS {ts32-634Package 36};


iubcLinkAssociationPackageBehaviour BEHAVIOUR
DEFINED AS
   "This Package contains the attributes of an 'iubcLink' information object in relation with
    associations to RncFunction or ExternalRncFunction objects";
```

## 5.2.37    csMgwFunctionBasicPackage

```
csMgwFunctionBasicPackage PACKAGE
   BEHAVIOUR
      csMgwFunctionBasicPackageBehaviour;
   ATTRIBUTES
      csMgwFunctionId      GET;
REGISTERED AS {ts32-634Package 37};

csMgwFunctionBasicPackageBehaviour BEHAVIOUR
DEFINED AS
   "The 'csMgwFunction' Information Object represents the CS-MGW functionality. For more
    information about the CS-MGW, see 3GPP TS 23.002";
```

## 5.2.38  csMgwFunctionAssociationPackage

```
csMgwFunctionAssociationPackage PACKAGE
    BEHAVIOUR
      csMgwFunctionAssociationPackageBehaviour;
    ATTRIBUTES
      csMgwFunction-MscServerFunction      GET,
      csMgwFunction-IucsLink               GET,
      csMgwFunction-Alink                  GET;
REGISTERED AS {ts32-634Package 38};


csMgwFunctionAssociationPackageBehaviour BEHAVIOUR
DEFINED AS
    "This Package contains the attributes of an 'csMgwFunction' information object in relation
     with associations to mscServerFunction, iucsLink or aLink objects";
```

## 5.2.39  gmscServerFunctionBasicPackage

```
gmscServerFunctionBasicPackage PACKAGE
    BEHAVIOUR
      gmscServerFunctionBasicPackageBehaviour;
    ATTRIBUTES
      gmscServerFunctionId      GET;
REGISTERED AS {ts32-634Package 39};

gmscServerFunctionBasicPackageBehaviour BEHAVIOUR
DEFINED AS
    "The 'gmscServerFunction' Information Object represents the GMSCServer functionality. For more
     information about the GMSCServer, see 3GPP TS 23.002";
```

# 5.3  Attributes

## 5.3.1  smlcFunctionId

```
smlcFunctionId ATTRIBUTE
    WITH ATTRIBUTE SYNTAX
      TS32-634TypeModule.GeneralObjectId;
    MATCHES FOR
      EQUALITY;
    BEHAVIOUR
      smlcFunctionIdBehaviour;
REGISTERED AS {ts32-634Attribute 1};

smlcFunctionIdBehaviour BEHAVIOUR
DEFINED AS
    "This attribute identifies a smlcFunction instance.";
```

## 5.3.2  gmlcFunctionId

```
gmlcFunctionId ATTRIBUTE
    WITH ATTRIBUTE SYNTAX
      TS32-634TypeModule.GeneralObjectId;
    MATCHES FOR
      EQUALITY;
    BEHAVIOUR
      gmlcFunctionIdBehaviour;
REGISTERED AS {ts32-634Attribute 2};

gmlcFunctionIdBehaviour BEHAVIOUR
DEFINED AS
    "This attribute identifies a gmlcFunction instance.";
```

## 5.3.3  scfFunctionId

```
scfFunctionId ATTRIBUTE
    WITH ATTRIBUTE SYNTAX
      TS32-634TypeModule.GeneralObjectId;
    MATCHES FOR
      EQUALITY;
    BEHAVIOUR
```

```
        scfFunctionIdBehaviour;
REGISTERED AS {ts32-634Attribute 3};

scfFunctionIdBehaviour BEHAVIOUR
DEFINED AS
    "This attribute identifies a scfFunction instance.";
```

## 5.3.4    srfFunctionId

```
srfFunctionId ATTRIBUTE
    WITH ATTRIBUTE SYNTAX
        TS32-634TypeModule.GeneralObjectId;
    MATCHES FOR
        EQUALITY;
    BEHAVIOUR
        srfFunctionIdBehaviour;
REGISTERED AS {ts32-634Attribute 4};

srfFunctionIdBehaviour BEHAVIOUR
DEFINED AS
    "This attribute identifies a srfFunction instance.";
```

## 5.3.5    cbcFunctionId

```
cbcFunctionId ATTRIBUTE
    WITH ATTRIBUTE SYNTAX
        TS32-634TypeModule.GeneralObjectId;
    MATCHES FOR
        EQUALITY;
    BEHAVIOUR
        cbcFunctionIdBehaviour;
REGISTERED AS {ts32-634Attribute 5};

cbcFunctionIdBehaviour BEHAVIOUR
DEFINED AS
    "This attribute identifies a cbcFunction instance.";
```

## 5.3.6    cgfFunctionId

```
cgfFunctionId ATTRIBUTE
    WITH ATTRIBUTE SYNTAX
        TS32-634TypeModule.GeneralObjectId;
    MATCHES FOR
        EQUALITY;
    BEHAVIOUR
        cgfFunctionIdBehaviour;
REGISTERED AS {ts32-634Attribute 6};

cgfFunctionIdBehaviour BEHAVIOUR
DEFINED AS
    "This attribute identifies a cgfFunction instance.";
```

## 5.3.7    mgwFunctionId

```
mgwFunctionId ATTRIBUTE
    WITH ATTRIBUTE SYNTAX
        TS32-634TypeModule.GeneralObjectId;
    MATCHES FOR
        EQUALITY;
    BEHAVIOUR
        mgwFunctionIdBehaviour;
REGISTERED AS {ts32-634Attribute 7};

mgwFunctionIdBehaviour BEHAVIOUR
DEFINED AS
    "This attribute identifies a mgwFunction instance.";
```

## 5.3.8    gmscFunctionId

```
gmscFunctionId ATTRIBUTE
    WITH ATTRIBUTE SYNTAX
```

```
      TS32-634TypeModule.GeneralObjectId;
   MATCHES FOR
      EQUALITY;
   BEHAVIOUR
      gmscFunctionIdBehaviour;
REGISTERED AS {ts32-634Attribute 8};

gmscFunctionIdBehaviour BEHAVIOUR
DEFINED AS
   "This attribute identifies a gmscFunction instance.";
```

## 5.3.9 iwfFunctionId

```
iwfFunctionId ATTRIBUTE
   WITH ATTRIBUTE SYNTAX
      TS32-634TypeModule.GeneralObjectId;
   MATCHES FOR
      EQUALITY;
   BEHAVIOUR
      iwfFunctionIdBehaviour;
REGISTERED AS {ts32-634Attribute 9};

iwfFunctionIdBehaviour BEHAVIOUR
DEFINED AS
   "This attribute identifies a iwfFunction instance.";
```

## 5.3.10 mnpSrfFunctionId

```
mnpSrfFunctionId ATTRIBUTE
   WITH ATTRIBUTE SYNTAX
      TS32-634TypeModule.GeneralObjectId;
   MATCHES FOR
      EQUALITY;
   BEHAVIOUR
      mnpSrfFunctionIdBehaviour;
REGISTERED AS {ts32-634Attribute 10};

mnpSrfFunctionIdBehaviour BEHAVIOUR
DEFINED AS
   "This attribute identifies a mnpSrfFunction instance.";
```

## 5.3.11 npdbFunctionId

```
npdbFunctionId ATTRIBUTE
   WITH ATTRIBUTE SYNTAX
      TS32-634TypeModule.GeneralObjectId;
   MATCHES FOR
      EQUALITY;
   BEHAVIOUR
      npdbFunctionIdBehaviour;
REGISTERED AS {ts32-634Attribute 11};

npdbFunctionIdBehaviour BEHAVIOUR
DEFINED AS
   "This attribute identifies a npdbFunction instance.";
```

## 5.3.12 rSgwFunctionId

```
rSgwFunctionId ATTRIBUTE
   WITH ATTRIBUTE SYNTAX
      TS32-634TypeModule.GeneralObjectId;
   MATCHES FOR
      EQUALITY;
   BEHAVIOUR
      rSgwFunctionIdBehaviour;
REGISTERED AS {ts32-634Attribute 12};

rSgwFunctionIdBehaviour BEHAVIOUR
DEFINED AS
   "This attribute identifies a rSgwFunction instance.";
```

## 5.3.13    ssfFunctionId

```
ssfFunctionId ATTRIBUTE
    WITH ATTRIBUTE SYNTAX
        TS32-634TypeModule.GeneralObjectId;
    MATCHES FOR
        EQUALITY;
    BEHAVIOUR
        ssfFunctionIdBehaviour;
REGISTERED AS {ts32-634Attribute 13};

ssfFunctionIdBehaviour BEHAVIOUR
DEFINED AS
    "This attribute identifies a ssfFunction instance.";
```

## 5.3.14    bsFunctionId

```
bsFunctionId ATTRIBUTE
    WITH ATTRIBUTE SYNTAX
        TS32-634TypeModule.GeneralObjectId;
    MATCHES FOR
        EQUALITY;
    BEHAVIOUR
        bsFunctionIdBehaviour;
REGISTERED AS {ts32-634Attribute 14};

bsFunctionIdBehaviour BEHAVIOUR
DEFINED AS
    "This attribute identifies a bsFunction instance.";
```

## 5.3.15    aucFunctionId

```
aucFunctionId ATTRIBUTE
    WITH ATTRIBUTE SYNTAX
        TS32-634TypeModule.GeneralObjectId;
    MATCHES FOR
        EQUALITY;
    BEHAVIOUR
        aucFunctionIdBehaviour;
REGISTERED AS {ts32-634Attribute 15};

aucFunctionIdBehaviour BEHAVIOUR
DEFINED AS
    "This attribute identifies a aucFunction instance.";
```

## 5.3.16    bgFunctionId

```
bgFunctionId ATTRIBUTE
    WITH ATTRIBUTE SYNTAX
        TS32-634TypeModule.GeneralObjectId;
    MATCHES FOR
        EQUALITY;
    BEHAVIOUR
        bgFunctionIdBehaviour;
REGISTERED AS {ts32-634Attribute 16};

bgFunctionIdBehaviour BEHAVIOUR
DEFINED AS
    "This attribute identifies a bgFunction instance.";
```

## 5.3.17    eirFunctionId

```
eirFunctionId ATTRIBUTE
    WITH ATTRIBUTE SYNTAX
        TS32-634TypeModule.GeneralObjectId;
    MATCHES FOR
        EQUALITY;
    BEHAVIOUR
        eirFunctionIdBehaviour;
REGISTERED AS {ts32-634Attribute 17};
```

```
eirFunctionIdBehaviour BEHAVIOUR
DEFINED AS
"This attribute identifies a eirFunction instance.";
```

## 5.3.18    ggsnFunctionId

```
ggsnFunctionId ATTRIBUTE
   WITH ATTRIBUTE SYNTAX
      TS32-634TypeModule.GeneralObjectId;
   MATCHES FOR
      EQUALITY;
   BEHAVIOUR
      ggsnFunctionIdBehaviour;
REGISTERED AS {ts32-634Attribute 18};

ggsnFunctionIdBehaviour BEHAVIOUR
DEFINED AS
   "This attribute identifies a ggsnFunction instance.";
```

## 5.3.19    hlrFunctionId

```
hlrFunctionId ATTRIBUTE
   WITH ATTRIBUTE SYNTAX
      TS32-634TypeModule.GeneralObjectId;
   MATCHES FOR
      EQUALITY;
   BEHAVIOUR
      hlrFunctionIdBehaviour;
REGISTERED AS {ts32-634Attribute 19};

hlrFunctionIdBehaviour BEHAVIOUR
DEFINED AS
   "This attribute identifies a hlrFunction instance.";
```

## 5.3.20    mscServerFunctionId

```
mscServerFunctionId ATTRIBUTE
   WITH ATTRIBUTE SYNTAX
      TS32-634TypeModule.GeneralObjectId;
   MATCHES FOR
      EQUALITY;
   BEHAVIOUR
      mscServerFunctionIdBehaviour;
REGISTERED AS {ts32-634Attribute 20};

mscServerFunctionIdBehaviour BEHAVIOUR
DEFINED AS
   "This attribute identifies a mscServerFunction instance.";
```

## 5.3.21    vlrFunctionId

```
vlrFunctionId ATTRIBUTE
   WITH ATTRIBUTE SYNTAX
      TS32-634TypeModule.GeneralObjectId;
   MATCHES FOR
      EQUALITY;
   BEHAVIOUR
      vlrFunctionIdBehaviour;
REGISTERED AS {ts32-634Attribute 21};

vlrFunctionIdBehaviour BEHAVIOUR
DEFINED AS
   "This attribute identifies a vlrFunction instance.";
```

## 5.3.22    sgsnFunctionId

```
sgsnFunctionId ATTRIBUTE
   WITH ATTRIBUTE SYNTAX
      TS32-634TypeModule.GeneralObjectId;
   MATCHES FOR
      EQUALITY;
```

```
BEHAVIOUR
    sgsnFunctionIdBehaviour;
REGISTERED AS {ts32-634Attribute 22};

sgsnFunctionIdBehaviour BEHAVIOUR
DEFINED AS
    "This attribute identifies a sgsnFunction instance.";
```

## 5.3.23    smsGmscFunctionId

```
smsGmscFunctionId ATTRIBUTE
    WITH ATTRIBUTE SYNTAX
        TS32-634TypeModule.GeneralObjectId;
    MATCHES FOR
        EQUALITY;
    BEHAVIOUR
        smsGmscFunctionIdBehaviour;
REGISTERED AS {ts32-634Attribute 23};

smsGmscFunctionIdBehaviour BEHAVIOUR
DEFINED AS
    "This attribute identifies a smsGmscFunction instance.";
```

## 5.3.24    smsIwmscFunctionId

```
smsIwmscFunctionId ATTRIBUTE
    WITH ATTRIBUTE SYNTAX
        TS32-634TypeModule.GeneralObjectId;
    MATCHES FOR
        EQUALITY;
    BEHAVIOUR
        smsIwmscFunctionIdBehaviour;
REGISTERED AS {ts32-634Attribute 24};

smsIwmscFunctionIdBehaviour BEHAVIOUR
DEFINED AS
    "This attribute identifies a smsIwmscFunction instance.";
```

## 5.3.25    gbLinkId

```
gbLinkId ATTRIBUTE
    WITH ATTRIBUTE SYNTAX
        TS32-634TypeModule.GeneralObjectId;
    MATCHES FOR
        EQUALITY;
    BEHAVIOUR
        gbLinkIdBehaviour;
REGISTERED AS {ts32-634Attribute 25};

gbLinkIdBehaviour BEHAVIOUR
DEFINED AS
    "This attribute identifies a gbLink instance.";
```

## 5.3.26    aLinkId

```
aLinkId ATTRIBUTE
    WITH ATTRIBUTE SYNTAX
        TS32-634TypeModule.GeneralObjectId;
    MATCHES FOR
        EQUALITY;
    BEHAVIOUR
        aLinkIdBehaviour;
REGISTERED AS {ts32-634Attribute 26};

aLinkIdBehaviour BEHAVIOUR
DEFINED AS
    "This attribute identifies a aLink instance.";
```

## 5.3.27    iucsLinkId

```
iucsLinkId ATTRIBUTE
```

```
    WITH ATTRIBUTE SYNTAX
        TS32-634TypeModule.GeneralObjectId;
    MATCHES FOR
        EQUALITY;
    BEHAVIOUR
        iucsLinkIdBehaviour;
REGISTERED AS {ts32-634Attribute 27};

iucsLinkIdBehaviour BEHAVIOUR
DEFINED AS
    "This attribute identifies a iucsLink instance.";
```

## 5.3.28    iupsLinkId

```
iupsLinkId ATTRIBUTE
    WITH ATTRIBUTE SYNTAX
        TS32-634TypeModule.GeneralObjectId;
    MATCHES FOR
        EQUALITY;
    BEHAVIOUR
        iupsLinkIdBehaviour;
REGISTERED AS {ts32-634Attribute 28};

iupsLinkIdBehaviour BEHAVIOUR
DEFINED AS
    "This attribute identifies a iupsLink instance.";
```

## 5.3.29    iubcLinkId

```
iubcLinkId ATTRIBUTE
    WITH ATTRIBUTE SYNTAX
        TS32-634TypeModule.GeneralObjectId;
    MATCHES FOR
        EQUALITY;
    BEHAVIOUR
        iubcLinkIdBehaviour;
REGISTERED AS {ts32-634Attribute 29};

iubcLinkIdBehaviour BEHAVIOUR
DEFINED AS
    "This attribute identifies a iubcLink instance.";
```

## 5.3.30    csMgwFunctionId

```
csMgwFunctionId ATTRIBUTE
    WITH ATTRIBUTE SYNTAX
        TS32-634TypeModule.GeneralObjectId;
    MATCHES FOR
        EQUALITY;
    BEHAVIOUR
        csMgwFunctionIdBehaviour;
REGISTERED AS {ts32-634Attribute 30};

csMgwFunctionIdBehaviour BEHAVIOUR
DEFINED AS
    "This attribute identifies a csMgwFunction instance.";
```

## 5.3.31    gmscServerFunctionId

```
gmscServerFunctionId ATTRIBUTE
    WITH ATTRIBUTE SYNTAX
        TS32-634TypeModule.GeneralObjectId;
    MATCHES FOR
        EQUALITY;
    BEHAVIOUR
        gmscServerFunctionIdBehaviour;
REGISTERED AS {ts32-634Attribute 31};

gmscServerFunctionIdBehaviour BEHAVIOUR
DEFINED AS
    "This attribute identifies a gmscServerFunction instance.";
```

## 5.3.32    mccList

```
mccList ATTRIBUTE
    WITH ATTRIBUTE SYNTAX
        TS32-634TypeModule.MccList;
    MATCHES FOR
        EQUALITY;
    BEHAVIOUR
        mccListBehaviour;
REGISTERED AS {ts32-634Attribute 32};

mccListBehaviour BEHAVIOUR
DEFINED AS
    "List of Mobile Country Codes, MCC. The MCC is part of the PLMN Id (Ref. 3 GPP TS 23.003).";
```

## 5.3.33    mncList

```
mncList ATTRIBUTE
    WITH ATTRIBUTE SYNTAX
        TS32-634TypeModule.MncList;
    MATCHES FOR
        EQUALITY;
    BEHAVIOUR
        mncListBehaviour;
REGISTERED AS {ts32-634Attribute 33};

mncListBehaviour BEHAVIOUR
DEFINED AS
    "List of Mobile Network Code, MNC. The MNC is part of the PLMN Id (Ref. 3 GPP TS 23.003).";
```

## 5.3.34    lacList

```
lacList ATTRIBUTE
    WITH ATTRIBUTE SYNTAX
        TS32-634TypeModule.LacList;
    MATCHES FOR
        EQUALITY;
    BEHAVIOUR
        lacListBehaviour;
REGISTERED AS {ts32-634Attribute 34};

lacListBehaviour BEHAVIOUR
DEFINED AS
    "List of Location Area Codes covered by SGSN (Ref. 3 GPP TS 23.003).";
```

## 5.3.35    sacList

```
sacList ATTRIBUTE
    WITH ATTRIBUTE SYNTAX
        TS32-634TypeModule.SacList;
    MATCHES FOR
        EQUALITY;
    BEHAVIOUR
        sacListBehaviour;
REGISTERED AS {ts32-634Attribute 35};

sacListBehaviour BEHAVIOUR
DEFINED AS
    "List of Service Area Codes covered by SGSN (Ref. 3 GPP TS 23.003).";
```

## 5.3.36    void~~uraList~~

```
uraList ATTRIBUTE
    WITH ATTRIBUTE SYNTAX
        TS32-634TypeModule.UraList;
    MATCHES FOR
        EQUALITY;
    BEHAVIOUR
        uraListBehaviour;
REGISTERED AS {ts32-634Attribute 36};

uraListBehaviour BEHAVIOUR
```

## 5.3.37 gcaList

```
gcaList ATTRIBUTE
   WITH ATTRIBUTE SYNTAX
      TS32-634TypeModule.CgaList;
   MATCHES FOR
      EQUALITY;
   BEHAVIOUR
      gcaListBehaviour;
REGISTERED AS {ts32-634Attribute 37};

gcaListBehaviour BEHAVIOUR
DEFINED AS
   "List of Group Call Area (Ref. 3 GPP TS 23.003).";
```

## 5.3.38 mscId

```
mscId ATTRIBUTE
   WITH ATTRIBUTE SYNTAX
      TS32-634TypeModule.GeneralObjectId;
   MATCHES FOR
      EQUALITY;
   BEHAVIOUR
      mscIdBehaviour;
REGISTERED AS {ts32-634Attribute 38};

mscIdBehaviour BEHAVIOUR
DEFINED AS
   "Unique MSC ID (Ref. 3 GPP TS 23.002).";
```

## 5.3.39 mscServerFunction-GSMcell

```
mscServerFunction-GSMcell ATTRIBUTE
   WITH ATTRIBUTE SYNTAX
      TS32-634TypeModule.GeneralObjectPointer;
   MATCHES FOR
      EQUALITY;
      BEHAVIOUR
      mscServerFunction-GSMcellBehaviour;
REGISTERED AS {ts32-634Attribute 39};

mscServerFunction-GSMcellBehaviour BEHAVIOUR
DEFINED AS
   "This value contains the DN of the related GSMcell instance. This is a reference attribute
    modelling the role (of the association AssociatedWith) that this MscServerFunction
    is associated with to 0-* GSMcell.";
```

## 5.3.40 mscServerFunction-ExternalGSMcell

```
mscServerFunction-ExternalGSMcell ATTRIBUTE
   WITH ATTRIBUTE SYNTAX
      TS32-634TypeModule.GeneralObjectPointer;
   MATCHES FOR
      EQUALITY;
   BEHAVIOUR
      mscServerFunction-ExternalGSMcellBehaviour;
REGISTERED AS {ts32-634Attribute 40};

mscServerFunction-ExternalGSMcellBehaviour BEHAVIOUR
DEFINED AS
   "This value contains the DN of the related ExternalGSMcell instance. This is a reference
    attribute modelling the role (of the association AssociatedWith) that this MscServerFunction
    is associated with to 0-* ExternalGSMcell.";
```

## 5.3.41 mscServerFunction-CsMgwFunction

```
mscServerFunction-CsMgwFunction ATTRIBUTE
   WITH ATTRIBUTE SYNTAX
```

```
        TS32-634TypeModule.GeneralObjectPointer;
    MATCHES FOR EQUALITY;
    BEHAVIOUR
        mscServerFunction-CsMgwFunctionBehaviour;
REGISTERED AS {ts32-634Attribute 41};

mscServerFunction-CsMgwFunctionBehaviour BEHAVIOUR
DEFINED AS
    "This value contains the DN of the related CsMgwFunction instance. This is a reference
     attribute modelling the role (of the association AssociatedWith) that this MscServerFunction
     is associated with to 0-* CsMgwFunction.";
```

## 5.3.42    racList

```
racList ATTRIBUTE
    WITH ATTRIBUTE SYNTAX
        TS32-634TypeModule.RacList;
    MATCHES FOR
        EQUALITY;
    BEHAVIOUR
        racListBehaviour;
REGISTERED AS {ts32-634Attribute 42};

racListBehaviour BEHAVIOUR
DEFINED AS
    "List of Routing Area Codes covered by SGSN (Ref. 3 GPP TS 23.003).";
```

## 5.3.43    sgsnId

```
sgsnId ATTRIBUTE
    WITH ATTRIBUTE SYNTAX
        TS32-634TypeModule.GeneralObjectId;
    MATCHES FOR
        EQUALITY;
    BEHAVIOUR
        sgsnIdBehaviour;
REGISTERED AS {ts32-634Attribute 43};

sgsnIdBehaviour BEHAVIOUR
DEFINED AS
    "Unique SGSN ID (Ref. 3 GPP TS 23.002).";
```

## 5.3.44    sgsnFunction-GSMcell

```
sgsnFunction-GSMcell ATTRIBUTE
    WITH ATTRIBUTE SYNTAX
        TS32-634TypeModule.GeneralObjectPointer;
    MATCHES FOR
        EQUALITY;
    BEHAVIOUR
        sgsnFunction-GSMcellBehaviour;
REGISTERED AS {ts32-634Attribute 44};

sgsnFunction-GSMcellBehaviour BEHAVIOUR
DEFINED AS
    "This value contains the DN of the related GSMcell instance. This is a reference attribute
     modelling the role (of the association AssociatedWith) that this SgsnFunction is associated
     with to 0-* GSMcell.";
```

## 5.3.45    sgsnFunction-ExternalGSMcell

```
sgsnFunction-ExternalGSMcell ATTRIBUTE
    WITH ATTRIBUTE SYNTAX
        TS32-634TypeModule.GeneralObjectPointer;
    MATCHES FOR
        EQUALITY;
    BEHAVIOUR
        sgsnFunction-ExternalGSMcellBehaviour;
REGISTERED AS {ts32-634Attribute 45};

sgsnFunction-ExternalGSMcellBehaviour BEHAVIOUR
DEFINED AS
    "This value contains the DN of the related ExternalGSMcell instance. This is a reference
```

attribute modelling the role (of the association AssociatedWith) that this SgsnFunction
is associated with to 0-* ExternalGSMcell.";

## 5.3.46    connectedBss

```
connectedBss ATTRIBUTE
    WITH ATTRIBUTE SYNTAX
        TS32-634TypeModule.GeneralObjectPointer;
    MATCHES FOR
        EQUALITY;
    BEHAVIOUR
        connectedBssBehaviour;
REGISTERED AS {ts32-634Attribute 46};
```

```
connectedBssBehaviour BEHAVIOUR
DEFINED AS
    "This value contains the DN of the related BssFunction or ExternalBssFunction instance. This is
     a reference attribute modelling the role (of the association AssociatedWith) that link is
     connected to 0-1 BssFunction or 0-1 ExternalBssFunction.";
```

## 5.3.47    connectedRnc

```
connectedRnc ATTRIBUTE
    WITH ATTRIBUTE SYNTAX
        TS32-634TypeModule.GeneralObjectPointer;
    MATCHES FOR
        EQUALITY;
    BEHAVIOUR
        connectedRncBehaviour;
REGISTERED AS {ts32-634Attribute 47};
```

```
connectedRncBehaviour BEHAVIOUR
DEFINED AS
    "This value contains the DN of the related RncFunction or ExternalRncFunction instance. This is
     a reference attribute modelling the role (of the association AssociatedWith) that link is
     connected to 0-1 RncFunction or 0-1 ExternalRncFunction.";
```

## 5.3.48    csMgwFunction-MscServerFunction

```
csMgwFunction-MscServerFunction ATTRIBUTE
    WITH ATTRIBUTE SYNTAX
        TS32-634TypeModule.GeneralObjectPointer;
    MATCHES FOR
        EQUALITY;
    BEHAVIOUR
        csMgwFunction-MscServerFunctionBehaviour;
REGISTERED AS {ts32-634Attribute 48};
```

```
csMgwFunction-MscServerFunctionBehaviour BEHAVIOUR
DEFINED AS
    "This value contains the DN of the related mscServerFunction instance. This is a reference
     attribute modelling the role (of the association AssociatedWith) that this csMgwFunction is
     associated with to 0-* mscServerFunction.";
```

## 5.3.49    csMgwFunction-IucsLink

```
csMgwFunction-IucsLink ATTRIBUTE
    WITH ATTRIBUTE SYNTAX
        TS32-634TypeModule.GeneralObjectPointer;
    MATCHES FOR
        EQUALITY;
    BEHAVIOUR
    csMgwFunction-IucsLinkBehaviour;
REGISTERED AS {ts32-634Attribute 49};
```

```
csMgwFunction-IucsLinkBehaviour BEHAVIOUR
DEFINED AS
    "This value contains the DN of the related IucsLink instance. This is a reference attribute
     modelling the role (of the association AssociatedWith) that this csMgwFunction is
     connected to 0-* IucsLink.";
```

### 5.3.50  csMgwFunction-Alink

```
csMgwFunction-Alink ATTRIBUTE
    WITH ATTRIBUTE SYNTAX
        TS32-634TypeModule.GeneralObjectPointer;
    MATCHES FOR
        EQUALITY;
    BEHAVIOUR
        csMgwFunction-AlinkBehaviour;
REGISTERED AS {ts32-634Attribute 50};


csMgwFunction-AlinkBehaviour BEHAVIOUR
DEFINED AS
    "This value contains the DN of the related ALink instance. This is a reference attribute
     modelling the role (of the association AssociatedWith) that this csMgwFunction is
     connected to 0-* ALink.";
```

# 5.4      Name Binding

## 5.4.1      smlcFunction - managedElement

```
smlcFunction-managedElement NAME BINDING
    SUBORDINATE OBJECT CLASS
        smlcFunction;
    NAMED BY SUPERIOR OBJECT CLASS
        "3GPP TS 32.624 Release 5": managedElement;
    WITH ATTRIBUTE
        smlcFunctionId;
    BEHAVIOUR
        smlcFunction-managedElementBehaviour;
    CREATE
        WITH-REFERENCE-OBJECT, WITH-AUTOMATIC-INSTANCE-NAMING;
    DELETE
        ONLY-IF-NO-CONTAINED-OBJECTS;
REGISTERED AS {ts32-634NameBinding 1};

smlcFunction-managedElementBehaviour BEHAVIOUR
DEFINED AS
    "The name binding represents a relationship in which a managedElement contains and controls a
     smlcFunction. When automatic instance naming is used, the choice of name bindings is left as
     a local matter.";
```

## 5.4.2      gmlcFunction - managedElement

```
gmlcFunction-managedElement NAME BINDING
    SUBORDINATE OBJECT CLASS
        gmlcFunction;
    NAMED BY SUPERIOR OBJECT CLASS
         "3GPP TS 32.624 Release 5": managedElement;
    WITH ATTRIBUTE
        gmlcFunctionId;
    BEHAVIOUR
        gmlcFunction-managedElementBehaviour;
    CREATE
        WITH-REFERENCE-OBJECT, WITH-AUTOMATIC-INSTANCE-NAMING;
    DELETE
        ONLY-IF-NO-CONTAINED-OBJECTS;
REGISTERED AS {ts32-634NameBinding 2};

gmlcFunction-managedElementBehaviour BEHAVIOUR
DEFINED AS
    "The name binding represents a relationship in which a managedElement contains and controls a
     gmlcFunction. When automatic instance naming is used, the choice of name bindings is left as
     a local matter.";
```

## 5.4.3      scfFunction - managedElement

```
scfFunction-managedElement NAME BINDING
    SUBORDINATE OBJECT CLASS
        scfFunction;
    NAMED BY SUPERIOR OBJECT CLASS
```

```
      "3GPP TS 32.624 Release 5": managedElement;
   WITH ATTRIBUTE
      scfFunctionId;
   BEHAVIOUR
      scfFunction-managedElementBehaviour;
   CREATE
      WITH-REFERENCE-OBJECT, WITH-AUTOMATIC-INSTANCE-NAMING;
   DELETE
      ONLY-IF-NO-CONTAINED-OBJECTS;
REGISTERED AS {ts32-634NameBinding 3};

scfFunction-managedElementBehaviour BEHAVIOUR
DEFINED AS
   "The name binding represents a relationship in which a managedElement contains and controls a
    scfFunction. When automatic instance naming is used, the choice of name bindings is left as
    a local matter.";
```

## 5.4.4     srfFunction - managedElement

```
srfFunction-managedElement NAME BINDING
   SUBORDINATE OBJECT CLASS
      srfFunction;
   NAMED BY SUPERIOR OBJECT CLASS
      "3GPP TS 32.624 Release 5": managedElement;
   WITH ATTRIBUTE
      srfFunctionId;
   BEHAVIOUR
      srfFunction-managedElementBehaviour;
   CREATE
      WITH-REFERENCE-OBJECT, WITH-AUTOMATIC-INSTANCE-NAMING;
   DELETE
      ONLY-IF-NO-CONTAINED-OBJECTS;
REGISTERED AS {ts32-634NameBinding 4};

srfFunction-managedElementBehaviour BEHAVIOUR
DEFINED AS
   "The name binding represents a relationship in which a managedElement contains and controls a
    srfFunction. When automatic instance naming is used, the choice of name bindings is left as
    a local matter.";
```

## 5.4.5     cbcFunction - managedElement

```
cbcFunction-managedElement NAME BINDING
   SUBORDINATE OBJECT CLASS
      cbcFunction;
   NAMED BY SUPERIOR OBJECT CLASS
      "3GPP TS 32.624 Release 5": managedElement;
   WITH ATTRIBUTE
      cbcFunctionId;
   BEHAVIOUR
      cbcFunction-managedElementBehaviour;
   CREATE
      WITH-REFERENCE-OBJECT, WITH-AUTOMATIC-INSTANCE-NAMING;
   DELETE
      ONLY-IF-NO-CONTAINED-OBJECTS;
REGISTERED AS {ts32-634NameBinding 5};

cbcFunction-managedElementBehaviour BEHAVIOUR
DEFINED AS
   "The name binding represents a relationship in which a managedElement contains and controls a
    cbcFunction. When automatic instance naming is used, the choice of name bindings is left as
    a local matter.";
```

## 5.4.6     cgfFunction - managedElement

```
cgfFunction-managedElement NAME BINDING
   SUBORDINATE OBJECT CLASS
      cgfFunction;
   NAMED BY SUPERIOR OBJECT CLASS
       "3GPP TS 32.624 Release 5": managedElement;
   WITH ATTRIBUTE
      cgfFunctionId;
   BEHAVIOUR
      cgfFunction-managedElementBehaviour;
```

```
CREATE
    WITH-REFERENCE-OBJECT, WITH-AUTOMATIC-INSTANCE-NAMING;
DELETE
    ONLY-IF-NO-CONTAINED-OBJECTS;
REGISTERED AS {ts32-634NameBinding 6};
```

cgfFunction-managedElementBehaviour **BEHAVIOUR**
**DEFINED AS**
   "The name binding represents a relationship in which a managedElement contains and controls a
  cgfFunction. When automatic instance naming is used, the choice of name bindings is left as
  a local matter.";

## 5.4.7    mgwFunction - managedElement

```
mgwFunction-managedElement NAME BINDING
    SUBORDINATE OBJECT CLASS
        mgwFunction;
    NAMED BY SUPERIOR OBJECT CLASS
        "3GPP TS 32.624 Release 5": managedElement;
    WITH ATTRIBUTE
        mgwFunctionId;
    BEHAVIOUR
        mgwFunction-managedElementBehaviour;
    CREATE
        WITH-REFERENCE-OBJECT, WITH-AUTOMATIC-INSTANCE-NAMING;
    DELETE
        ONLY-IF-NO-CONTAINED-OBJECTS;
REGISTERED AS {ts32-634NameBinding 7};
```

mgwFunction-managedElementBehaviour **BEHAVIOUR**
**DEFINED AS**
   "The name binding represents a relationship in which a managedElement contains and controls a
  mgwFunction. When automatic instance naming is used, the choice of name bindings is left as
  a local matter.";

## 5.4.8    gmscFunction - managedElement

```
gmscFunction-managedElement NAME BINDING
    SUBORDINATE OBJECT CLASS
        gmscFunction;
    NAMED BY SUPERIOR OBJECT CLASS
        "3GPP TS 32.624 Release 5": managedElement;
    WITH ATTRIBUTE
        gmscFunctionId;
    BEHAVIOUR
        gmscFunction-managedElementBehaviour;
    CREATE
        WITH-REFERENCE-OBJECT, WITH-AUTOMATIC-INSTANCE-NAMING;
    DELETE
        ONLY-IF-NO-CONTAINED-OBJECTS;
REGISTERED AS {ts32-634NameBinding 8};
```

gmscFunction-managedElementBehaviour **BEHAVIOUR**
**DEFINED AS**
   "The name binding represents a relationship in which a managedElement contains and controls a
  gmscFunction. When automatic instance naming is used, the choice of name bindings is left as
  a local matter.";

## 5.4.9    iwfFunction - managedElement

```
iwfFunction-managedElement NAME BINDING
    SUBORDINATE OBJECT CLASS
        iwfFunction;
    NAMED BY SUPERIOR OBJECT CLASS
        "3GPP TS 32.624 Release 5": managedElement;
    WITH ATTRIBUTE
        iwfFunctionId;
    BEHAVIOUR
        iwfFunction-managedElementBehaviour;
    CREATE
        WITH-REFERENCE-OBJECT, WITH-AUTOMATIC-INSTANCE-NAMING;
    DELETE
        ONLY-IF-NO-CONTAINED-OBJECTS;
REGISTERED AS {ts32-634NameBinding 9};
```

```
iwfFunction-managedElementBehaviour BEHAVIOUR
DEFINED AS
    "The name binding represents a relationship in which a managedElement contains and controls a
     iwfFunction. When automatic instance naming is used, the choice of name bindings is left as
     a local matter.";
```

## 5.4.10    mnpSrfFunction - managedElement

```
mnpSrfFunction-managedElement NAME BINDING
    SUBORDINATE OBJECT CLASS
        mnpSrfFunction;
    NAMED BY SUPERIOR OBJECT CLASS
        "3GPP TS 32.624 Release 5": managedElement;
    WITH ATTRIBUTE
        mnpSrfFunctionId;
    BEHAVIOUR
        mnpSrfFunction-managedElementBehaviour;
    CREATE
        WITH-REFERENCE-OBJECT, WITH-AUTOMATIC-INSTANCE-NAMING;
    DELETE
        ONLY-IF-NO-CONTAINED-OBJECTS;
REGISTERED AS {ts32-634NameBinding 10};

mnpSrfFunction-managedElementBehaviour BEHAVIOUR
DEFINED AS
    "The name binding represents a relationship in which a managedElement contains and controls a
     mnpSrfFunction. When automatic instance naming is used, the choice of name bindings is left as
     a local matter.";
```

## 5.4.11    npdbFunction - managedElement

```
npdbFunction-managedElement NAME BINDING
    SUBORDINATE OBJECT CLASS
        npdbFunction;
    NAMED BY SUPERIOR OBJECT CLASS
        "3GPP TS 32.624 Release 5": managedElement;
    WITH ATTRIBUTE
        npdbFunctionId;
    BEHAVIOUR
        npdbFunction-managedElementBehaviour;
    CREATE
        WITH-REFERENCE-OBJECT, WITH-AUTOMATIC-INSTANCE-NAMING;
    DELETE
        ONLY-IF-NO-CONTAINED-OBJECTS;
REGISTERED AS {ts32-634NameBinding 11};

npdbFunction-managedElementBehaviour BEHAVIOUR
DEFINED AS
    "The name binding represents a relationship in which a managedElement contains and controls a
     npdbFunction. When automatic instance naming is used, the choice of name bindings is left as
     a local matter.";
```

## 5.4.12    rSgwFunction - managedElement

```
rSgwFunction-managedElement NAME BINDING
    SUBORDINATE OBJECT CLASS
        rSgwFunction;
    NAMED BY SUPERIOR OBJECT CLASS
        "3GPP TS 32.624 Release 5": managedElement;
    WITH ATTRIBUTE
        rSgwFunctionId;
    BEHAVIOUR
        rSgwFunction-managedElementBehaviour;
    CREATE
        WITH-REFERENCE-OBJECT, WITH-AUTOMATIC-INSTANCE-NAMING;
    DELETE
        ONLY-IF-NO-CONTAINED-OBJECTS;
REGISTERED AS {ts32-634NameBinding 12};

rSgwFunction-managedElementBehaviour BEHAVIOUR
DEFINED AS
    "The name binding represents a relationship in which a managedElement contains and controls a
     rSgwFunction. When automatic instance naming is used, the choice of name bindings is left as
```

a local matter.";

## 5.4.13    ssfFunction - managedElement

```
ssfFunction-managedElement NAME BINDING
   SUBORDINATE OBJECT CLASS
      ssfFunction;
   NAMED BY SUPERIOR OBJECT CLASS
      "3GPP TS 32.624 Release 5": managedElement;
   WITH ATTRIBUTE
      ssfFunctionId;
   BEHAVIOUR
      ssfFunction-managedElementBehaviour;
   CREATE
      WITH-REFERENCE-OBJECT, WITH-AUTOMATIC-INSTANCE-NAMING;
   DELETE
      ONLY-IF-NO-CONTAINED-OBJECTS;
REGISTERED AS {ts32-634NameBinding 13};

ssfFunction-managedElementBehaviour BEHAVIOUR
DEFINED AS
   "The name binding represents a relationship in which a managedElement contains and controls a
    ssfFunction. When automatic instance naming is used, the choice of name bindings is left as
    a local matter.";
```

## 5.4.14    bsFunction - managedElement

```
bsFunction-managedElement NAME BINDING
   SUBORDINATE OBJECT CLASS
      bsFunction;
   NAMED BY SUPERIOR OBJECT CLASS
      "3GPP TS 32.624 Release 5": managedElement;
   WITH ATTRIBUTE
      bsFunctionId;
   BEHAVIOUR
      bsFunction-managedElementBehaviour;
   CREATE
      WITH-REFERENCE-OBJECT, WITH-AUTOMATIC-INSTANCE-NAMING;
   DELETE
      ONLY-IF-NO-CONTAINED-OBJECTS;
REGISTERED AS {ts32-634NameBinding 14};

bsFunction-managedElementBehaviour BEHAVIOUR
DEFINED AS
   "The name binding represents a relationship in which a managedElement contains and controls a
    bsFunction. When automatic instance naming is used, the choice of name bindings is left as
    a local matter.";
```

## 5.4.15    aucFunction - managedElement

```
aucFunction-managedElement NAME BINDING
   SUBORDINATE OBJECT CLASS
      aucFunction;
   NAMED BY SUPERIOR OBJECT CLASS
      "3GPP TS 32.624 Release 5": managedElement;
   WITH ATTRIBUTE
      aucFunctionId;
   BEHAVIOUR
      aucFunction-managedElementBehaviour;
   CREATE
      WITH-REFERENCE-OBJECT, WITH-AUTOMATIC-INSTANCE-NAMING;
   DELETE
      ONLY-IF-NO-CONTAINED-OBJECTS;
REGISTERED AS {ts32-634NameBinding 15};

aucFunction-managedElementBehaviour BEHAVIOUR
DEFINED AS
   "The name binding represents a relationship in which a managedElement contains and controls a
    aucFunction. When automatic instance naming is used, the choice of name bindings is left as
    a local matter.";
```

## 5.4.16　bgFunction - managedElement

```
bgFunction-managedElement NAME BINDING
   SUBORDINATE OBJECT CLASS
      bgFunction;
   NAMED BY SUPERIOR OBJECT CLASS
      "3GPP TS 32.624 Release 5": managedElement;
   WITH ATTRIBUTE
      bgFunctionId;
      BEHAVIOUR
      bgFunction-managedElementBehaviour;
   CREATE
      WITH-REFERENCE-OBJECT, WITH-AUTOMATIC-INSTANCE-NAMING;
   DELETE
      ONLY-IF-NO-CONTAINED-OBJECTS;
REGISTERED AS {ts32-634NameBinding 16};

bgFunction-managedElementBehaviour BEHAVIOUR
DEFINED AS
   "The name binding represents a relationship in which a managedElement contains and controls a
    bgFunction. When automatic instance naming is used, the choice of name bindings is left as
    a local matter.";
```

## 5.4.17　eirFunction - managedElement

```
eirFunction-managedElement NAME BINDING
   SUBORDINATE OBJECT CLASS
      eirFunction;
   NAMED BY SUPERIOR OBJECT CLASS
      "3GPP TS 32.624 Release 5": managedElement;
   WITH ATTRIBUTE
      eirFunctionId;
   BEHAVIOUR
      eirFunction-managedElementBehaviour;
   CREATE
      WITH-REFERENCE-OBJECT, WITH-AUTOMATIC-INSTANCE-NAMING;
   DELETE
      ONLY-IF-NO-CONTAINED-OBJECTS;
REGISTERED AS {ts32-634NameBinding 17};

eirFunction-managedElementBehaviour BEHAVIOUR
DEFINED AS
   "The name binding represents a relationship in which a managedElement contains and controls a
    eirFunction. When automatic instance naming is used, the choice of name bindings is left as
    a local matter.";
```

## 5.4.18　ggsnFunction - managedElement

```
ggsnFunction-managedElement NAME BINDING
   SUBORDINATE OBJECT CLASS
      ggsnFunction;
   NAMED BY SUPERIOR OBJECT CLASS
      "3GPP TS 32.624 Release 5": managedElement;
   WITH ATTRIBUTE
      ggsnFunctionId;
   BEHAVIOUR
      ggsnFunction-managedElementBehaviour;
   CREATE
      WITH-REFERENCE-OBJECT, WITH-AUTOMATIC-INSTANCE-NAMING;
   DELETE
      ONLY-IF-NO-CONTAINED-OBJECTS;
REGISTERED AS {ts32-634NameBinding 18};

ggsnFunction-managedElementBehaviour BEHAVIOUR
DEFINED AS
   "The name binding represents a relationship in which a managedElement contains and controls a
    ggsnFunction. When automatic instance naming is used, the choice of name bindings is left as
    a local matter.";
```

## 5.4.19　hlrFunction - managedElement

```
hlrFunction-managedElement NAME BINDING
   SUBORDINATE OBJECT CLASS
```

```
      hlrFunction;
   NAMED BY SUPERIOR OBJECT CLASS
      "3GPP TS 32.624 Release 5": managedElement;
   WITH ATTRIBUTE
      hlrFunctionId;
   BEHAVIOUR
      hlrFunction-managedElementBehaviour;
   CREATE
      WITH-REFERENCE-OBJECT, WITH-AUTOMATIC-INSTANCE-NAMING;
DELETE
      ONLY-IF-NO-CONTAINED-OBJECTS;
REGISTERED AS {ts32-634NameBinding 19};


hlrFunction-managedElementBehaviour BEHAVIOUR
DEFINED AS
   "The name binding represents a relationship in which a managedElement contains and controls a
    hlrFunction. When automatic instance naming is used, the choice of name bindings is left as
    a local matter.";
```

## 5.4.20    mscServerFunction - managedElement

```
mscServerFunction-managedElement NAME BINDING
   SUBORDINATE OBJECT CLASS
      mscFunction;
   NAMED BY SUPERIOR OBJECT CLASS
      "3GPP TS 32.624 Release 5": managedElement;
   WITH ATTRIBUTE
      mscServerFunctionId;
   BEHAVIOUR
      mscServerFunction-managedElementBehaviour;
   CREATE
      WITH-REFERENCE-OBJECT, WITH-AUTOMATIC-INSTANCE-NAMING;
DELETE
      ONLY-IF-NO-CONTAINED-OBJECTS;
REGISTERED AS {ts32-634NameBinding 20};


mscServerFunction-managedElementBehaviour BEHAVIOUR
DEFINED AS
   "The name binding represents a relationship in which a managedElement contains and controls a
    mscServerFunction. When automatic instance naming is used, the choice of name bindings is left
    as a local matter.";
```

## 5.4.21    vlrFunction - managedElement

```
vlrFunction-managedElement NAME BINDING
   SUBORDINATE OBJECT CLASS
      vlrFunction;
   NAMED BY SUPERIOR OBJECT CLASS
      "3GPP TS 32.624 Release 5": managedElement;
   WITH ATTRIBUTE
      vlrFunctionId;
   BEHAVIOUR
      vlrFunction-managedElementBehaviour;
   CREATE
      WITH-REFERENCE-OBJECT, WITH-AUTOMATIC-INSTANCE-NAMING;
   DELETE
      ONLY-IF-NO-CONTAINED-OBJECTS;
REGISTERED AS {ts32-634NameBinding 21};


vlrFunction-managedElementBehaviour BEHAVIOUR
DEFINED AS
   "The name binding represents a relationship in which a managedElement contains and controls a
    vlrFunction. When automatic instance naming is used, the choice of name bindings is left as
    a local matter.";
```

## 5.4.22    sgsnFunction - managedElement

```
sgsnFunction-managedElement NAME BINDING
   SUBORDINATE OBJECT CLASS
      sgsnFunction;
   NAMED BY SUPERIOR OBJECT CLASS
      "3GPP TS 32.624 Release 5": managedElement;
   WITH ATTRIBUTE
      sgsnFunctionId;
```

```
      BEHAVIOUR
         sgsnFunction-managedElementBehaviour;
      CREATE
         WITH-REFERENCE-OBJECT, WITH-AUTOMATIC-INSTANCE-NAMING;
      DELETE
         ONLY-IF-NO-CONTAINED-OBJECTS;
REGISTERED AS {ts32-634NameBinding 22};

sgsnFunction-managedElementBehaviour BEHAVIOUR
DEFINED AS
      "The name binding represents a relationship in which a managedElement contains and controls a
       sgsnFunction. When automatic instance naming is used, the choice of name bindings is left as
       a local matter.";
```

## 5.4.23    smsGmscFunction - managedElement

```
smsGmscFunction-managedElement NAME BINDING
      SUBORDINATE OBJECT CLASS
         smsGmscFunction;
      NAMED BY SUPERIOR OBJECT CLASS
         "3GPP TS 32.624 Release 5": managedElement;
      WITH ATTRIBUTE
         smsGmscFunctionId;
      BEHAVIOUR
         smsGmscFunction-managedElementBehaviour;
      CREATE
         WITH-REFERENCE-OBJECT, WITH-AUTOMATIC-INSTANCE-NAMING;
      DELETE
         ONLY-IF-NO-CONTAINED-OBJECTS;
REGISTERED AS {ts32-634NameBinding 23};

smsGmscFunction-managedElementBehaviour BEHAVIOUR
DEFINED AS
      "The name binding represents a relationship in which a managedElement contains and controls a
       smsGmscFunction. When automatic instance naming is used, the choice of name bindings is left as
       a local matter.";
```

## 5.4.24    smsIwmscFunction - managedElement

```
smsIwmscFunction-managedElement NAME BINDING
      SUBORDINATE OBJECT CLASS
         smsIwmscFunction;
      NAMED BY SUPERIOR OBJECT CLASS
         "3GPP TS 32.624 Release 5": managedElement;
      WITH ATTRIBUTE
         smsIwmscFunctionId;
      BEHAVIOUR
         smsIwmscFunction-managedElementBehaviour;
      CREATE
         WITH-REFERENCE-OBJECT, WITH-AUTOMATIC-INSTANCE-NAMING;
      DELETE
         ONLY-IF-NO-CONTAINED-OBJECTS;
REGISTERED AS {ts32-634NameBinding 24};

smsIwmscFunction-managedElementBehaviour BEHAVIOUR
DEFINED AS
      "The name binding represents a relationship in which a managedElement contains and controls a
       smsIwmscFunction. When automatic instance naming is used, the choice of name bindings is left as
       a local matter.";
```

## 5.4.25    gbLink - managedElement

```
gbLink-managedElement NAME BINDING
      SUBORDINATE OBJECT CLASS
         gbLink;
      NAMED BY SUPERIOR OBJECT CLASS
         "3GPP TS 32.624 Release 5": managedElement;
      WITH ATTRIBUTE
         gbLinkId;
      BEHAVIOUR
         gbLink-managedElementBehaviour;
      CREATE
         WITH-REFERENCE-OBJECT, WITH-AUTOMATIC-INSTANCE-NAMING;
      DELETE
```

```
         ONLY-IF-NO-CONTAINED-OBJECTS;
REGISTERED AS {ts32-634NameBinding 25};

gbLink-managedElementBehaviour BEHAVIOUR
DEFINED AS
      "The name binding represents a relationship in which a managedElement contains and controls a
      gbLink. When automatic instance naming is used, the choice of name bindings is left as
      a local matter.";
```

## 5.4.26    aLink - managedElement

```
aLink-managedElement NAME BINDING
    SUBORDINATE OBJECT CLASS
       aLink;
    NAMED BY SUPERIOR OBJECT CLASS
       "3GPP TS 32.624 Release 5": managedElement;
    WITH ATTRIBUTE
       aLinkId;
    BEHAVIOUR
       aLink-managedElementBehaviour;
    CREATE
       WITH-REFERENCE-OBJECT, WITH-AUTOMATIC-INSTANCE-NAMING;
DELETE
       ONLY-IF-NO-CONTAINED-OBJECTS;
REGISTERED AS {ts32-634NameBinding 26};

aLink-managedElementBehaviour BEHAVIOUR
DEFINED AS
      "The name binding represents a relationship in which a managedElement contains and controls a
      aLink. When automatic instance naming is used, the choice of name bindings is left as
      a local matter.";
```

## 5.4.27    iucsLink - managedElement

```
iucsLink-managedElement NAME BINDING
    SUBORDINATE OBJECT CLASS
       iucsLink;
    NAMED BY SUPERIOR OBJECT CLASS
       "3GPP TS 32.624 Release 5": managedElement;
    WITH ATTRIBUTE
       iucsLinkId;
    BEHAVIOUR
       iucsLink-managedElementBehaviour;
    CREATE
       WITH-REFERENCE-OBJECT, WITH-AUTOMATIC-INSTANCE-NAMING;
    DELETE
       ONLY-IF-NO-CONTAINED-OBJECTS;
REGISTERED AS {ts32-634NameBinding 27};

iucsLink-managedElementBehaviour BEHAVIOUR
DEFINED AS
      "The name binding represents a relationship in which a managedElement contains and controls a
      iucsLink. When automatic instance naming is used, the choice of name bindings is left as
      a local matter.";
```

## 5.4.28    iupsLink - managedElement

```
iupsLink-managedElement NAME BINDING
    SUBORDINATE OBJECT CLASS
       iupsLink;
    NAMED BY SUPERIOR OBJECT CLASS
       "3GPP TS 32.624 Release 5": managedElement;
    WITH ATTRIBUTE
       iupsLinkId;
    BEHAVIOUR
       iupsLink-managedElementBehaviour;
    CREATE
       WITH-REFERENCE-OBJECT, WITH-AUTOMATIC-INSTANCE-NAMING;
    DELETE
       ONLY-IF-NO-CONTAINED-OBJECTS;
REGISTERED AS {ts32-634NameBinding 28};

iupsLink-managedElementBehaviour BEHAVIOUR
DEFINED AS
```

"The name binding represents a relationship in which a managedElement contains and controls a
iupsLink. When automatic instance naming is used, the choice of name bindings is left as
a local matter.";

## 5.4.29 iubcLink - managedElement

```
iubcLink-managedElement NAME BINDING
   SUBORDINATE OBJECT CLASS
      iubcLink;
   NAMED BY SUPERIOR OBJECT CLASS
      "3GPP TS 32.624 Release 5": managedElement;
   WITH ATTRIBUTE
      iubcLinkId;
   BEHAVIOUR
      iubcLink-managedElementBehaviour;
   CREATE
      WITH-REFERENCE-OBJECT, WITH-AUTOMATIC-INSTANCE-NAMING;
   DELETE
      ONLY-IF-NO-CONTAINED-OBJECTS;
REGISTERED AS {ts32-634NameBinding 29};

iubcLink-managedElementBehaviour BEHAVIOUR
DEFINED AS
   "The name binding represents a relationship in which a managedElement contains and controls a
   iubcLink. When automatic instance naming is used, the choice of name bindings is left as
   a local matter.";
```

## 5.4.30 gmscServerFunction - managedElement

```
gmscServerFunction-managedElement NAME BINDING
   SUBORDINATE OBJECT CLASS
      gmscServerFunction;
   NAMED BY SUPERIOR OBJECT CLASS
      "3GPP TS 32.624 Release 5": managedElement;
   WITH ATTRIBUTE
      gmscServerFunctionId;
   BEHAVIOUR
      gmscServerFunction-managedElementBehaviour;
   CREATE
      WITH-REFERENCE-OBJECT, WITH-AUTOMATIC-INSTANCE-NAMING;
   DELETE
      ONLY-IF-NO-CONTAINED-OBJECTS;
REGISTERED AS {ts32-634NameBinding 30};

gmscServerFunction-managedElementBehaviour BEHAVIOUR
DEFINED AS
   "The name binding represents a relationship in which a managedElement contains and controls a
   gmscServerFunction. When automatic instance naming is used, the choice of name bindings is left
   as a local matter.";
```

## 5.4.31 csMgwFunction - managedElement

```
csMgwFunction-managedElement NAME BINDING
   SUBORDINATE OBJECT CLASS
      csMgwFunction;
   NAMED BY SUPERIOR OBJECT CLASS
      "3GPP TS 32.624 Release 5": managedElement;
   WITH ATTRIBUTE
      csMgwFunctionId;
   BEHAVIOUR
      csMgwFunction-managedElementBehaviour;
   CREATE
      WITH-REFERENCE-OBJECT, WITH-AUTOMATIC-INSTANCE-NAMING;
   DELETE
      ONLY-IF-NO-CONTAINED-OBJECTS;
REGISTERED AS {ts32-634NameBinding 31};

csMgwFunction-managedElementBehaviour BEHAVIOUR
DEFINED AS
   "The name binding represents a relationship in which a managedElement contains and controls a
   csMgwFunction. When automatic instance naming is used, the choice of name bindings is left as
   a local matter.";
```

# 6 ASN.1 Definitions

```
TS32-634TypeModule {ccitt (0) identified-organization (4) etsi (0) mobileDomain (0) umts-Operation-
Maintenance (3) ts32-634 (634) informationModel (0) asn1Module (2) version1 (1)}

DEFINITIONS IMPLICIT TAGS ::=

BEGIN

--EXPORTS everything


IMPORTS

GeneralObjectId, GeneralObjectPointer
    FROM TS32-624TypeModule {ccitt(0) identified-organization(4) etsi(0) mobileDomain(0)
    umts-Operation-Maintenance(3) ts32-624(624) informationModel(0) asn1Module(2) version1(1)}

MobileCountryCode, MobileNetworkCode, LocationAreaCode
    FROM GSM1220TypeModule {ccitt(0) identified-organization(4) etsi(0) mobileDomain(0)
    gsm-Operation-Maintenance(3) gsm-12-20(20) informationModel(0) asn1Module(2)
    asn1TypeModule(0)};



-- 3GPP TS 32.634 related Object Identifiers

baseNodeUMTS            OBJECT IDENTIFIER ::= {itu-t(0) identified-organization(4) etsi(0)
                                               mobileDomain(0) umts-Operation-Maintenance(3)}

ts32-634               OBJECT IDENTIFIER ::= {baseNodeUMTS ts32-634(634)}
ts32-634InfoModel      OBJECT IDENTIFIER ::= {ts32-634 informationModel(0)}

ts32-634ObjectClass    OBJECT IDENTIFIER ::= {ts32-634InfoModel managedObjectClass(3)}
ts32-634Package        OBJECT IDENTIFIER ::= {ts32-634InfoModel package(4)}
ts32-634Parameter      OBJECT IDENTIFIER ::= {ts32-634InfoModel parameter(5)}
ts32-634NameBinding    OBJECT IDENTIFIER ::= {ts32-634InfoModel nameBinding(6)}
ts32-634Attribute      OBJECT IDENTIFIER ::= {ts32-634InfoModel attribute(7)}
ts32-634Action         OBJECT IDENTIFIER ::= {ts32-634InfoModel action(9)}
ts32-634Notification   OBJECT IDENTIFIER ::= {ts32-634InfoModel notification(10)}


-- Start of 3GPP SA5 own definitions

MccList ::= SET OF MobileCountryCode

MncList ::= SET OF MobileNetworkCode

LacList ::= SET OF LocationAreaCode

Ura ::= INTEGER

UraList ::= SET OF Ura

Rac ::= INTEGER

RacList ::= SET OF Rac

Sac ::= INTEGER

SacList ::= SET OF Sac

Cga ::= INTEGER

CgaList ::= SET OF Cga

END -- of TS32-634TypeModule
```

---

**End of Change in Clause 5 & 6**

---