

ETSI TS 132 503 V9.0.0 (2010-02)

Technical Specification

**Universal Mobile Telecommunications System (UMTS);
LTE;
Telecommunication management;
Self-Configuration of Network Elements Integration Reference
Point (IRP);
Common Object Request Broker Architecture (CORBA)
Solution Set (SS)
(3GPP TS 32.503 version 9.0.0 Release 9)**



Reference

RTS/TSGS-0532503v900

Keywords

LTE, UMTS

ETSI

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Sous-Préfecture de Grasse (06) N° 7803/88

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Foreword

This Technical Specification has been produced by the 3rd Generation Partnership Project (3GPP).

The contents of the present document are subject to continuing work within the TSG and may change following formal TSG approval. Should the TSG modify the contents of the present document, it will be re-released by the TSG with an identifying change of release date and an increase in version number as follows:

Version x.y.z

where:

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 - 1 presented to TSG for information;
 - 2 presented to TSG for approval;
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- z the third digit is incremented when editorial only changes have been incorporated in the document.

Introduction

The present document is part of a TS-family covering the 3rd Generation Partnership Project Technical Specification Group Services and System Aspects, Telecommunication management; as identified below:

Introduction

The present document is part of a TS-family covering the 3rd Generation Partnership Project Technical Specification Group Services and System Aspects, Telecommunication management; as identified below:

- 32.501: Self-Configuration of Network Elements; Concepts and Integration Reference Point (IRP) Requirements
- 32.502: Self-Configuration of Network Elements Integration Reference Point (IRP); Information Service (IS)
- 32.503: Self-Configuration of Network Elements Integration Reference Point (IRP); Common Object Request Broker Architecture (CORBA) Solution Set (SS)**

1 Scope

The present document is the "CORBA Solution Set" of Software Management IRP for the IRP whose semantics is specified in Software Management IRP Information Service (3GPP TS 32.502 [7]).

2 References

The following documents contain provisions which, through reference in this text, constitute provisions of the present document.

- References are either specific (identified by date of publication, edition number, version number, etc.) or non-specific.
- For a specific reference, subsequent revisions do not apply.
- For a non-specific reference, the latest version applies. In the case of a reference to a 3GPP document (including a GSM document), a non-specific reference implicitly refers to the latest version of that document *in the same Release as the present document*.

- [1] 3GPP TR 21.905: "Vocabulary for 3GPP Specifications".
- [2] 3GPP TS 32.101: "Telecommunication management; Principles and high level requirements".
- [3] 3GPP TS 32.102: "Telecommunication management; Architecture".
- [4] 3GPP TS 21.905: "Vocabulary for 3GPP Specifications".
- [5] 3GPP TR 32.816: "Telecommunication management; Study on Management of Evolved Universal Terrestrial Radio Access Network (E-UTRAN) and Evolved Packet Core (EPC)".
- [6] 3GPP TS 32.501: "Telecommunication management; Self-Configuration of Network Elements; Concepts and Integration Reference Point (IRP) Requirements".
- [7] 3GPP TS 32.502: "Telecommunication management; Self-Configuration of Network Elements Integration Reference Point (IRP); Information Service (IS)".
- [8] OMG TC Document telecom/98-11-01: "OMG Notification Service".
<http://www.omg.org/technology/documents/>
- [9] 3GPP TS 32.531: "Telecommunication management; Software management; Concepts and Integration Reference Point (IRP) Requirements".
- [10] 3GPP TS 32.532: "Telecommunication management; Software management Integration Reference Point (IRP); Information Service (IS)".
- [11] 3GPP TS 32.533: "Telecommunication management; Software management Integration Reference Point (IRP); Common Object Request Broker Architecture (CORBA) Solution Set (SS)".

3 Definitions and abbreviations

3.1 Definitions

For the purposes of the present document, the terms and definitions given in TS 32.101 [2], TS 32.102 [3] and TR 21.905 [4] and the following apply. A term defined in the present document takes precedence over the definition of the same term, if any, in TS 32.502 [7], TS 32.501 [6], TS 32.532 [10], TS 32.531 [9], TS 32.101 [1], TS 32.102 [2] and TS 21.905 [4], in that order.

3.2 Abbreviations

For the purposes of the present document, the abbreviations given in TR 21.905 [4], TS 32.sco [6] and the following apply. An abbreviation defined in the present document takes precedence over the definition of the same abbreviation, if any, in TS 32.502 [7], TS 32.501 [6], TS 32.532 [10], TS 32.531 [9], TS 32.101 [1], TS 32.102 [2] and TS 21.905 [4], in that order..

4 Architectural Features

The overall architectural feature of Software Management IRP is specified in 3GPP TS 32.502 [7].

5 Mapping

5.1 Operation and Notification mapping

Software Management IRP: IS 3GPP TS (see 3GPP TS 32.502 [7]) defines semantics of operations and notifications visible across the Itf-N. Table 5.1.1 indicates mapping of these operations and notifications to their equivalents defined in this SS.

Table 5.1.1: Mapping from IS Notification/Operation to SS equivalents

IS Operation/ notification Self-Configuration IRP: IS 3GPP TS 32.502[7]	SS Method	Qualifier
listScManagementCapabilities	listScManagementCapabilities	M
listScManagementProfiles	listScManagementProfiles	M
createScManagementProfile	createScManagementProfile	M
deleteScManagementProfile	deleteScManagementProfile	M
listScProcesses	listScProcesses	M
resumeScProcess	resumeScProcess	M
swFallback	swFallback	M
terminateScManagementProcess	terminateScManagementProcess	M
changeScManagementProfile	changeScManagementProfile	O
notifyScManagementProfileCreation	notifyScManagementProfileCreation	M
notifyScManagementProfileDeletion	notifyScManagementProfileDeletion	M
notifyScManagementProcessCreation	notifyScManagementProcessCreation	M
notifyScManagementProcessStage	notifyScManagementProcessStage	M
notifyScManagementProcessDeletion	notifyScManagementProcessDeletion	M
notifyNewScManagementCapabilitiesAvailability	notifyNewScManagementCapabilitiesAvailability	O
notifyScManagementProfileChange	notifyScManagementProfileChange	O

5.2 Operation parameter mapping

Reference 3GPP TS 32.302 [6] defines semantics of parameters carried in operations across the Itf-N. The following set of tables indicate the mapping of these parameters, as per operation, to their equivalents defined in this SS.

Table 5.2-1: Mapping from IS `listScManagementCapabilities` parameters to SS equivalents

IS Operation parameter	SS Method parameter	Qualifier
result	Exceptions: SelfConfIRPConstDefs::ListScManagementCapabilities, GenericIRPManagementSystem::ParameterNotSupported, GenericIRPManagementSystem::InvalidParameter, GenericIRPManagementSystem::ValueNotSupported, GenericIRPManagementSystem::OperationNotSupported	M

For all other parameters see TS 32.533 [11] mapping from IS `listSwMCapabilities` parameters to SS equivalents

Table 5.2-2: Mapping from IS `listScManagementProfiles` parameters to SS equivalents

IS Operation parameter	SS Method parameter	Qualifier
result	Exceptions: SelfConfIRPConstDefs::ListScManagementProfile, GenericIRPManagementSystem::ParameterNotSupported, GenericIRPManagementSystem::InvalidParameter, GenericIRPManagementSystem::ValueNotSupported, GenericIRPManagementSystem::OperationNotSupported	M

For all other parameters see TS 32.533 [11] mapping from IS `listSwMProfiles` parameters to SS equivalents

Table 5.2-3: Mapping from IS `createScManagementProfile` parameters to SS equivalents

IS Operation parameter	SS Method parameter	Qualifier
result	Exceptions: SelfConfIRPConstDefs::CreateScManagementProfile, GenericIRPManagementSystem::ParameterNotSupported, GenericIRPManagementSystem::InvalidParameter, GenericIRPManagementSystem::ValueNotSupported, GenericIRPManagementSystem::OperationNotSupported	M

For all other parameters see TS 32.533 [11] mapping from IS `createSwMProfile` parameters to SS equivalents

Table 5.2-4: Mapping from IS `deleteScManagementProfile` parameters to SS equivalents

IS Operation parameter	SS Method parameter	Qualifier
result	Exceptions: SelfConfIRPConstDefs::DeleteScManagementProfile, GenericIRPManagementSystem::ParameterNotSupported, GenericIRPManagementSystem::InvalidParameter, GenericIRPManagementSystem::ValueNotSupported, GenericIRPManagementSystem::OperationNotSupported	M

For all other parameters see TS 32.533 [11] mapping from IS `deleteSwMProfile` parameters to SS equivalents

Table 5.2-5: Mapping from IS `listScManagementProcesses` parameters to SS equivalents

IS Operation parameter	SS Method parameter	Qualifier
result	Exceptions: SelfConfIRPConstDefs::ListScManagementProcesses, GenericIRPManagementSystem::ParameterNotSupported, GenericIRPManagementSystem::InvalidParameter, GenericIRPManagementSystem::ValueNotSupported, GenericIRPManagementSystem::OperationNotSupported	M

For all other parameters see TS 32.533 [11] mapping from IS `listSwMProcesses` parameters to SS equivalents

Table 5.2-6: Mapping from IS `resumeScManagementProcess` parameters to SS equivalents

IS Operation parameter	SS Method parameter	Qualifier
result	Exceptions: SelfConfIRPConstDefs::ResumeScManagementProcess, GenericIRPManagementSystem::ParameterNotSupported, GenericIRPManagementSystem::InvalidParameter, GenericIRPManagementSystem::ValueNotSupported, GenericIRPManagementSystem::OperationNotSupported	M

For all other parameters see TS 32.533 [11] mapping from IS **resumeSwMProcess** parameters to SS equivalents

Table 5.2-7: Mapping from IS `swFallback` parameters to SS equivalents

IS Operation parameter	SS Method parameter	Qualifier
result	Exceptions: SelfConfIRPConstDefs::SwFallback, GenericIRPManagementSystem::ParameterNotSupported, GenericIRPManagementSystem::InvalidParameter, GenericIRPManagementSystem::ValueNotSupported, GenericIRPManagementSystem::OperationNotSupported	M

For all other parameters see TS 32.533 [11] mapping from IS **swFallback** parameters to SS equivalents

Table 5.2-8: Mapping from IS `terminateScManagementProcess` parameters to SS equivalents

IS Operation parameter	SS Method parameter	Qualifier
result	Exceptions: SelfConfIRPConstDefs::TerminateScManagementProcess, GenericIRPManagementSystem::ParameterNotSupported, GenericIRPManagementSystem::InvalidParameter, GenericIRPManagementSystem::ValueNotSupported, GenericIRPManagementSystem::OperationNotSupported	M

For all other parameters see TS 32.533 [11] mapping from IS **terminateSwMProcess** parameters to SS equivalents

Table 5.2-9: Mapping from IS `changeScManagementProfile` parameters to SS equivalents

IS Operation parameter	SS Method parameter	Qualifier
result	Exceptions: SelfConfIRPConstDefs::CreateScManagementProfile, GenericIRPManagementSystem::ParameterNotSupported, GenericIRPManagementSystem::InvalidParameter, GenericIRPManagementSystem::ValueNotSupported, GenericIRPManagementSystem::OperationNotSupported	M

For all other parameters see TS 32.533 [11] mapping from IS **changeSwMProfile** parameters to SS equivalents

5.3 Notification parameter mapping

Reference 3GPP TS 32.502 [7] defines semantics of parameters carried in notifications. The following tables indicate the mapping of these parameters to their SS equivalents."

The following tables indicate the mapping of these parameters to their OMG CORBA Structured Event (defined in OMG Notification Service [8]) equivalents. The composition of OMG Structured Event, as defined in the OMG Notification Service [8], is:

```

Header
  Fixed Header
    domain_name
    type_name
    event_name
  Variable Header
Body
  filterable_body_fields
  remaining_body

```

The following tables list all OMG Structured Event attributes in the second column. The first column identifies the Software Management IRP: IS [7] defined notification parameters.

Table 5.3.1: Mapping for notifyScManagementProfileCreation

See TS 32.533 [11] mapping from IS **notifySwMProfileCreation**

Table 5.3.2: Mapping for notifyScManagementProfileDeletion

See TS 32.533 [11] mapping from IS **notifySwMProfileDeletion**

Table 5.3.3: Mapping for notifyScProcessCreation

See TS 32.533 [11] mapping from IS **notifySwMProcessCreation**

Table 5.3.4: Mapping for notifyScProcessStage

See TS 32.533 [11] mapping from IS **notifySwMProcessStage**

Table 5.3.5: Mapping for notifyScProcessDeletion

See TS 32.533 [11] mapping from IS **notifySwMProcessDeletion**

Table 5.3.6: Mapping for notifyNewScManagementCapabilityAvailability

IS Parameters	<SS> Parameters	Qualifier	Comment
id	SwMIRPConstDefs::Id	M	
nEInformation	SwMIRPConstDefs::NEInformation	M	
stepsAndOfferedStopPointList	SwMIRPConstDefs::StepsAndOfferedStopPointList	M	
offeredFinalAdministrativeStateInformation	SwMIRPConstDefs::OfferedFinalAdministrativeStateInformation	M	
swVersionToBeInstalledOfferList	SwMIRPConstDefs::SwVersionToBeInstalledOfferListConditional	C	

Table 5.3.7: Mapping for notifyScManagementProfileChange

See TS 32.533 [11] mapping from IS **notifySwMProfileChange**

Annex A (normative): IDL specifications

A.1 IDL specification (file name "SelfConfIRPConstDefs.idl")

```
// File: SelfConfIRPConstDefs.idl
#ifndef _SELF_CONF_IRP_CONST_DEFS_IDL_
#define _SELF_CONF_IRP_CONST_DEFS_IDL_

#include <KernelCmConstDefs.idl>
#include <NotificationIRPConstDefs.idl>
#include <SwMIRPConstDefs.idl>

// This statement must appear after all include statements
#pragma prefix "3gppsa5.org"

/* ## Module: SelfConfIRPConstDefs */

module SelfConfIRPConstDefs
{
    /*****
    /* definition of types used in operations for Self-Configuration : */
    *****/

    /* currently all types used in operations imported from 32.533 */

    /*****
    /* definition of types in notifications for self-configuration : */
    *****/

    enum TriggerForDeletion { IRP_AGENT_TERMINATION, IRP_MANAGER_TERMINATION,
    SELF_CONFIGURATION_SUCCESFULLY_CONCLUDED };

    interface AttributeNameValue
    {
        const string ID = "ID";
        const string NE_INFORMATION = "NE_INFORMATION";
        const string STEPS_AND_OFFERED_STOP_POINT_LIST = "STEPS_AND_OFFERED_STOP_POINT_LIST";
        const string OFFERED_FINAL_ADMINISTRATIVE_STATE_INFORMATION =
"OFFERED_FINAL_ADMINISTRATIVE_STATE_INFORMATION";
        const string SW_VERSION_TO_BE_INSTALLED_OFFER_LIST = "SW_VERSION_TO_BE_INSTALLED_OFFER_LIST";
    };

};

#endif // _SELF_CONF_IRP_CONST_DEFS_IDL_
```

A.2 IDL specification (file name "SelfConfIRPSystem.idl")

```

//File: SelfConfIRPSystem.idl
#ifndef _SELF_CONF_IRP_SYSTEM_IDL_
#define _SELF_CONF_IRP_SYSTEM_IDL_

#include <SelfConfIRPConstDefs.idl>
#include <SwMIRPConstDefs.idl>
#include <GenericIRPManagementSystem.idl>

// This statement must appear after all include statements
#pragma prefix "3gppsa5.org"

/* ## Module: SelfConfIRPSystem */

module SelfConfIRPSystem
{
    /*
    If the system fails to complete an operation, then it can provide a reason
    to qualify the exception. The semantics carried in this reason are outside
    the scope of the present document.
    */
    exception ListScManagementCapabilities { string reason; };
    exception ListScManagementProfiles { string reason; };
    exception CreateScManagementProfile { string reason; };
    exception DeleteScManagementProfile { string reason; };
    exception ListScProcesses { string reason; };
    exception ResumeScProcess { string reason; };
    exception SwFallback { string reason; };
    exception TerminateScProcess { string reason; };
    exception ChangeScManagementProfile { string reason; };

    interface SelfConfIRPOperations_1
    {
        /* for the purpose of this operation see 3GPP TS 32.502 */
        SwMIRPConstDefs::Result listScManagementCapabilities
        (
            in SwMIRPConstDefs::NEInformationOpt nEInformation,
            out SwMIRPConstDefs::CapabilitiesList capabilitiesList
        )
        raises
        (
            ListScManagementCapabilities,
            GenericIRPManagementSystem::ParameterNotSupported,
            GenericIRPManagementSystem::InvalidParameter,
            GenericIRPManagementSystem::ValueNotSupported,
            GenericIRPManagementSystem::OperationNotSupported
        );

        /* for the purpose of this operation see 3GPP TS 32.502 */
        SwMIRPConstDefs::Result listScProfiles
        (
            in SwMIRPConstDefs::NEInformationOpt nEInformation,
            out SwMIRPConstDefs::ProfileList profileList
        )
        raises
        (
            ListScProfiles,
            GenericIRPManagementSystem::ParameterNotSupported,
            GenericIRPManagementSystem::InvalidParameter,
            GenericIRPManagementSystem::ValueNotSupported,
            GenericIRPManagementSystem::OperationNotSupported
        );

        /* for the purpose of this operation see 3GPP TS 32.502 */
        SwMIRPConstDefs::Result createScManagementProfile
        (
            in SwMIRPConstDefs::IdOpt id,
            in SwMIRPConstDefs::NEInformation nEInformation,
            in SwMIRPConstDefs::SwVersionToBeInstalledOpt swVersionToBeInstalled,
            in SwMIRPConstDefs::StepsAndSelectedStopPointList stepsAndSelectedStopPointList,

```

```
        in SwMIRPConstDefs::SelectedFinalAdministrativeState selectedFinalAdministrativeState
    )
    raises
    (
        CreateScManagementProfile,
        GenericIRPManagementSystem::ParameterNotSupported,
        GenericIRPManagementSystem::InvalidParameter,
        GenericIRPManagementSystem::ValueNotSupported,
        GenericIRPManagementSystem::OperationNotSupported
    );

/* for the purpose of this operation see 3GPP TS 32.502 */
SwMIRPConstDefs::Result deleteScManagementProfile
(
    in SwMIRPConstDefs::Id id
)
raises
(
    DeleteScManagementProfile,
    GenericIRPManagementSystem::ParameterNotSupported,
    GenericIRPManagementSystem::InvalidParameter,
    GenericIRPManagementSystem::ValueNotSupported,
    GenericIRPManagementSystem::OperationNotSupported
);

/* for the purpose of this operation see 3GPP TS 32.502 */
SwMIRPConstDefs::Result listScProcesses
(
    in SwMIRPConstDefs::NEIdentificationOpt nEIdentification,
    out SwMIRPConstDefs::ProcessList processList
)
raises
(
    ListScProcesses,
    GenericIRPManagementSystem::ParameterNotSupported,
    GenericIRPManagementSystem::InvalidParameter,
    GenericIRPManagementSystem::ValueNotSupported,
    GenericIRPManagementSystem::OperationNotSupported
);

/* for the purpose of this operation see 3GPP TS 32.502 */
SwMIRPConstDefs::Result resumeScProcess
(
    in SwMIRPConstDefs::Id id
)
raises
(
    ResumeScProcess,
    GenericIRPManagementSystem::ParameterNotSupported,
    GenericIRPManagementSystem::InvalidParameter,
    GenericIRPManagementSystem::ValueNotSupported,
    GenericIRPManagementSystem::OperationNotSupported
);

/* for the purpose of this operation see 3GPP TS 32.502 */
SwMIRPConstDefs::Result swFallback
(
    in SwMIRPConstDefs::Filter filter,
    out SwMIRPConstDefs::NEList nEList
)
raises
(
    SwFallback,
    GenericIRPManagementSystem::ParameterNotSupported,
    GenericIRPManagementSystem::InvalidParameter,
    GenericIRPManagementSystem::ValueNotSupported,
    GenericIRPManagementSystem::OperationNotSupported
);

/* for the purpose of this operation see 3GPP TS 32.502 */
SwMIRPConstDefs::Result terminateScProcess
(
    in SwMIRPConstDefs::Id id
```

```
    )
  raises
  (
    TerminateScProcess,
    GenericIRPManagementSystem::ParameterNotSupported,
    GenericIRPManagementSystem::InvalidParameter,
    GenericIRPManagementSystem::ValueNotSupported,
    GenericIRPManagementSystem::OperationNotSupported
  );
};

interface SelfConfIRPOperations_2
{
  /* for the purpose of this operation see 3GPP TS 32.502 */
  SwMIRPConstDefs::Result changeScManagementProfile
  (
    in SwMIRPConstDefs::Id id,
    in SwMIRPConstDefs::NEInformation nEInformation,
    in SwMConfIRPConstDefs::SwVersionToBeInstalledOpt swVersionToBeInstalled,
    in SwMConfIRPConstDefs::StepsAndSelectedStopPointList stepsAndSelectedStopPointList,
    in SwMIRPConstDefs::SelectedFinalAdministrativeState selectedFinalAdministrativeState
  )
  raises
  (
    ChangeScManagementProfile,
    GenericIRPManagementSystem::ParameterNotSupported,
    GenericIRPManagementSystem::InvalidParameter,
    GenericIRPManagementSystem::ValueNotSupported,
    GenericIRPManagementSystem::OperationNotSupported
  );
};

};

#endif // _SELF_CONF_IRP_SYSTEM_IDL_
```

A.3 IDL specification (file name "SelfConfIRPNotifications.idl")

```
//File: SelfConfIRPNotifications.idl
#ifndef _SELF_CONF_IRP_NOTIFICATIONS_IDL_
#define _SELF_CONF_IRP_NOTIFICATIONS_IDL_

#include <SelfConfIRPConstDefs.idl>
#include <SwMIRPConstDefs.idl>
#include <NotificationIRPNotifications.idl>
#include <SwMIRPNotifications.idl>

// This statement must appear after all include statements
#pragma prefix "3gppsa5.org"

/* ## Module: SelfConfIRPNotifications
This contains the specification of notifications of Software Management.
=====
*/
module SelfConfIRPNotifications
{

    /* Constant definitions for the notifyScManagementProfileCreation notification */
    interface NotifyScManagementProfileCreation: SwMIRPNotifications::NotifySwMPProfileCreation
    {
        const string EVENT_TYPE = "notifyScManagementProfileCreation";
    };

    /* Constant definitions for the notifyScManagementProfileDeletion notification */
    interface NotifyScManagementProfileDeletion: SwMIRPNotifications::NotifySwMPProfileDeletion
    {
        const string EVENT_TYPE = "notifyScManagementProfileDeletion";
    };

    /* Constant definitions for the notifyScProcessCreation notification */
    interface NotifyScProcessCreation: SwMIRPNotifications::NotifySwMPProcessCreation
    {
        const string EVENT_TYPE = "notifyScProcessCreation";
    };

    /* Constant definitions for the notifyScProcessStage notification */
    interface NotifyScProcessStage: SwMIRPNotifications::NotifySwMPProcessStage
    {
        const string EVENT_TYPE = "notifyScProcessStage";
    };

    /* Constant definitions for the notifyScProcessDeletion notification */
    interface NotifyScProcessDeletion: SwMIRPNotifications::NotifyScProcessDeletion
    {
        const string EVENT_TYPE = "notifyScProcessDeletion";
    };

    /* Constant definitions for the notifyNewScManagementCapabilityAvailability notification */
    interface NotifyNewScManagementCapabiliyAvailability: NotificationIRPNotifications::Notify
    {
        const string EVENT_TYPE = "notifyNewScManagementCapabilityAvailability";
    };
};
```

```
/**
 * This constant defines the name of the id property,
 * which is transported in the filterable_body_fields.
 * The data type for the value of this property is
 * SwMIRPConstDefs::Id.
 */
const string ID =
    SelfConfIRPConstDefs::AttributeNameValue::ID;

/**
 * This constant defines the name of the nEInformation property,
 * which is transported in the filterable_body_fields.
 * The data type for the value of this property is
 * SwMIRPConstDefs::NEInformation.
 */
const string ID =
    SelfConfIRPConstDefs::AttributeNameValue::NE_INFORMATION;

/**
 * This constant defines the name of the stepsAndOfferedStopPointList property,
 * which is transported in the remaining_body.
 * The data type for the value of this property is
 * SwMIRPConstDefs::StepsAndOfferedStopPointList.
 */
const string ID =
    SelfConfIRPConstDefs::AttributeNameValue::STEPS_AND_OFFERED_STOP_POINT_LIST;

/**
 * This constant defines the name of the offeredFinalAdministrativeStateInformation property,
 * which is transported in the remaining_body.
 * The data type for the value of this property is
 * SwMIRPConstDefs::OfferedFinalAdministrativeStateInformation.
 */
const string ID =
    SelfConfIRPConstDefs::AttributeNameValue::OFFERED_FINAL_ADMINISTRATIVE_STATE_INFORMATION;

/**
 * This constant defines the name of the swVersionToBeInstalledOfferList property,
 * which is transported in the remaining_body.
 * The data type for the value of this property is
 * SwMIRPConstDefs::SwVersionToBeInstalledOfferListOpt.
 */
const string ID =
    SelfConfIRPConstDefs::AttributeNameValue::SW_VERSION_TO_BE_INSTALLED_OFFER_LIST;
};

/* Constant definitions for the notifyScManagementProfileChange notification */
interface NotifyScManagementProfileChange: SwMIRPNotifications::NotifySwMProfileChange
{
    const string EVENT_TYPE = "notifyScManagementProfileChange";
};

};

#endif // _SELF_CONF_IRP_NOTIFICATIONS_IDL_
```

Annex B (informative): Change history

Change history							
Date	TSG #	TSG Doc.	CR	Rev	Subject/Comment	Old	New
2008-12	SP-42	SP-080715			Submitted to SA#42 for SA information and approval	1.0.0	8.0.0
2009-12	-	-	-	-	Update to Rel-9 version	8.0.0	9.0.0

History

Document history		
V9.0.0	February 2010	Publication