

Source: SA5 (Telecom Management)
Title: CR 32313 Generic IRP management; CORBA SS
Document for: Approval
Agenda Item: 7.5.3

Doc-1st-Level	Spec_#	CR_#	R	Phase	Subject	Cat	Ver-Cur	Doc-2nd-Level	Workitem
SP-050288	32.313	0001	-	Rel-6	Correction of IDL syntax errors in GenericIRPManagement{ConstDefs	F	6.0.0	S5-056322	OAM-NIM

CHANGE REQUEST

⌘ 32.313 CR 0001 ⌘ rev - ⌘ Current version: 6.0.0 ⌘

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 ☒

Title:	⌘ Correction of IDL syntax errors in GenericIRPManagement{ConstDefs\System}.idl	
Source:	⌘ SA5 (Nortel – Suzèle Lariven – lariven@nortel.com)	
Work item code:	⌘ OAM-NIM	Date: ⌘ 13/05/2005
Category:	Release: ⌘ Rel-6	
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:		
Ph2 (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)		
Rel-7 (Release 7)		

Reason for change:	⌘ IDL syntax error corrections in GenericIRPManagement{ConstDefs\System}.idl
Summary of change:	⌘ • Addition of missing comment separators in #endif file guards • Alignments with TS 32.150 Style Guide for CORBA SS IDL • Editorial corrections
Consequences if not approved:	⌘ IDLs GenericIRPManagement{ConstDefs\System}.idl would fail compilation.

Clauses affected:	⌘ A.1, A.2									
Other specs affected:	<table><tr><td>Y</td><td>N</td></tr><tr><td>☐</td><td>☒</td></tr><tr><td>☐</td><td>☒</td></tr><tr><td>☐</td><td>☒</td></tr></table>	Y	N	☐	☒	☐	☒	☐	☒	⌘ Other core specifications
	Y	N								
	☐	☒								
☐	☒									
☐	☒									
		⌘ Test specifications								
		⌘ O&M Specifications								
Other comments:	⌘									

A.1 IDL specification (file name “GenericIRPManagementConstDefs.idl”)

```
//File: GenericIRPManagementConstDefs.idl

#ifndef _GENERIC_IRP_MANAGEMENT_CONST_DEFS_IDL_
#define _GENERIC_IRP_MANAGEMENT_CONST_DEFS_IDL_

#include "<TimeBase.idl>"

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

/* ## Module: GenericIRPManagementConstDefs
This module contains definitions commonly used among all IRPs.
=====
*/
module GenericIRPManagementConstDefs
{
    /*
    Definition imported from CosTime.
    The time refers to time in Greenwich Time Zone.
    It also consists of a time displacement factor in the form of minutes of
    displacement from the Greenwich Meridian.
    */
    typedef TimeBase::UtcT IRPTime;

    enum Signal {OK, FAILURE, PARTIALFAILURE};

    /*
    The VersionNumber is a string that identifies the IRP specification name
    and its version number. -See definition "IRP document version number
    string" or "IRPVersion".

    The VersionNumberSet is a sequence of such VersionNumber. -It is returned
    by get_XXX_IRP_versions(). -The sequence order has no significance.
    */
    typedef string VersionNumber;
    typedef sequence <VersionNumber> VersionNumberSet;

    typedef string MethodName;
    typedef string ParameterName;
    typedef sequence <ParameterName> ParameterList;

    /*
    The Method defines the structure to be returned as part of
    get_supported_operations_profile(). -The name shall be the actual method
    name (ex. "attach_push", "change_subscription_filter", etc.)
    The parameter_list contains a list of strings. -Each string shall be
    the actual parameter name (ex. "manager_reference", "filter", etc.)
    */
    struct Method
    {
        MethodName name;
        ParameterList parameter_list;
    };

    /*
    List of all methods and their associated parameters.
    */
    typedef sequence <Method> MethodList;

    typedef string NotificationName;
    struct Notification
    {
        NotificationName name;
        ParameterList parameter_list;
    };
    typedef sequence <Notification> NotificationList;

    /*
```

```

StringTypeOpt is a type carrying an optional parameter.
If the boolean is TRUE, then the value is present.
Otherwise the value is absent.
*/
union StringTypeOpt switch (boolean)
{
    case TRUE: string value;
};

/*
ShortTypeOpt is a type carrying an optional parameter.
If the boolean is TRUE, then the value is present.
Otherwise the value is absent.
*/
union ShortTypeOpt switch (boolean)
{
    case TRUE: short value;
};

/*
UnsignedShortTypeOpt is a type carrying an optional parameter.
If the boolean is TRUE, then the value is present.
Otherwise the value is absent.
*/
union UnsignedShortTypeOpt switch (boolean)
{
    case TRUE: unsigned short value;
};

/*
LongTypeOpt is a type carrying an optional parameter.
If the boolean is TRUE, then the value is present.
Otherwise the value is absent.
*/
union LongTypeOpt switch (boolean)
{
    case TRUE: long value;
};

/*
UnsignedLongTypeOpt is a type carrying an optional parameter.
If the boolean is TRUE, then the value is present.
Otherwise the value is absent.
*/
union UnsignedLongTypeOpt switch (boolean)
{
    case TRUE: unsigned long value;
};
};

```

```

#endif // _GENERIC_IRP_MANAGEMENT_CONST_DEFS_IDL_

```

End of Change in Annex Clause A.1

Change in Annex Clause A.2

A.2 IDL specification (file name “GenericIRPManagementSystem.idl”)

```

//File: GenericIRPManagementSystem.idl

#ifndef _GENERIC_IRP_MANAGEMENT_SYSTEM_IDL_
#define _GENERIC_IRP_MANAGEMENT_SYSTEM_IDL_

#include "<GenericIRPManagementConstDefs.idl>"

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

```

```

module GenericIRPManagementSystem
{
    exception GetInterfaceIRPNotificationProfile { string reason; };
    exception GetInterfaceIRPOperationProfile { string reason; };
    exception GetIRPVersions { string reason; };

    /*
    Exception thrown when an unsupported optional parameter
    is passed with information.
    The parameter shall be the actual unsupported parameter name.
    */
    exception ParameterNotSupported {
        GenericIRPManagementConstDefs::ParameterName parameter; };

    /*
    Exception thrown when an invalid parameter value is passed.
    The parameter shall be the actual parameter name.
    */
    exception InvalidParameter {
        GenericIRPManagementConstDefs::ParameterName parameter; };

    /*
    Exception thrown when a valid but unsupported parameter value is passed.
    The parameter shall be the actual parameter name.
    */
    exception ValueNotSupported {
        GenericIRPManagementConstDefs::ParameterName parameter; };

    /*
    Exception thrown when an unsupported optional method is called.
    */
    exception OperationNotSupported {};

    interface -GenericIRPManagement
    {
        /*
        Return the list of all supported Interface IRP versions
        Each IRPVersion is defined by the rule in the definition
        "IRP document version number string" or "IRPVersion"
        (see subclause 3.1).
        */
        GenericIRPManagementConstDefs::VersionNumberSet get_IRP_versions
        (
        )
        raises (GetIRPVersions);

        /*
        Return the list of all supported methods and their supported
        parameters for this Interface IRPVersion.
        */
        GenericIRPManagementConstDefs::MethodList
        get_interface_IRP_operation_profile
        (
            in GenericIRPManagementConstDefs::VersionNumber this_IRP_version
        )
        raises (GetInterfaceIRPOperationProfile,
            OperationNotSupported,
            InvalidParameter,
            ValueNotSupported);

        /*
        Return the list of all supported notifications and their supported
        parameters for this Interface IRPVersion.
        */
        typedef -GenericIRPManagementConstDefs::NotificationList NotificationList;

        NotificationList get_interface_IRP_notification_profile
        (
            in GenericIRPManagementConstDefs::VersionNumber this_IRP_version
        )
        raises (GetInterfaceIRPNotificationProfile,
            OperationNotSupported,
            InvalidParameter,
            ValueNotSupported);
    };
}

```

```
|  
};
```

```
#endif // _GENERIC_IRP_MANAGEMENT_SYSTEM_IDL_
```

End of Change in Annex Clause A.2 End of Document
--

Annex B (informative): Change history

Change history							
Date	TSG #	TSG Doc.	CR	Rev	Subject/Comment	Old	New
Dec 2004	S_26	SP-040795	--	--	Submitted to SA#26 for Approval	1.0.0	6.0.0