
Source: SA5 (Telecom Management)
Title: Rel-4 CR 32.111-3 (Fault Management; Part 3: Alarm Integration
Reference Point: CORBA solution set version 1:1)
Document for: Approval
Agenda Item: 7.5.3

Doc-1st-	Spec	CR	Rev	Phase	Subject	Cat	Version-	Doc-2nd-	Workitem
SP-020475	32.111-3	020	-	Rel-4	Correction of CORBA type definition in struct "AlarmInformationIdAndSev"	F	4.3.0	S5- 026694	OAM-FM

CHANGE REQUEST

⌘ **32.111-3 CR 020** ⌘ rev **-** ⌘ Current version: **4.3.0** ⌘

For [HELP](#) on using this form, see bottom of this page or look at the pop-up text over the ⌘ symbols.

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

Title:	⌘ Correction of CORBA type definition in struct "AlarmInformationIdAndSev"		
Source:	⌘ S5		
Work item code:	⌘ OAM-FM	Date:	⌘ 23/08/2002
Category:	⌘ F	Release:	⌘ REL-4
	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:	⌘ CORBA type definition for field "perceived_severity" in struct "AlarmInformationIdAndSev" is defined as CORBA interface type "PerceivedSeverity". This CORBA interface type does not carry any value. It only serves as a namespace for perceived severity definitions. In addition support for Optional Perceived Severity is not provided.
Summary of change:	⌘ <ul style="list-style-type: none"> • CORBA type definition for field "perceived_severity" in struct "AlarmInformationIdAndSev" is changed to CORBA type "short" and combined with added union to IDL file to support optional parameter. • Corrections in relation with rule in TS 32.102 related to CORBA IDL file name.
Consequences if not approved:	⌘ It would be impossible to fully implement R4 CORBA SS of Alarm IRP. In addition Perceived Severity field would not be optional as specified by 32.111-2.

Clauses affected:	⌘ Annex A						
Other specs affected:	<table border="1" style="display: inline-table; border-collapse: collapse;"> <tr> <td style="width: 20px; text-align: center;">Y</td> <td style="width: 20px; text-align: center;">N</td> </tr> <tr> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input checked="" type="checkbox"/></td> </tr> </table> Other core specifications	Y	N	<input type="checkbox"/>	<input checked="" type="checkbox"/>	⌘	
Y	N						
<input type="checkbox"/>	<input checked="" type="checkbox"/>						
	<table border="1" style="display: inline-table; border-collapse: collapse;"> <tr> <td style="width: 20px; text-align: center;">Y</td> <td style="width: 20px; text-align: center;">N</td> </tr> <tr> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input checked="" type="checkbox"/></td> </tr> </table> Test specifications	Y	N	<input type="checkbox"/>	<input checked="" type="checkbox"/>	⌘	
Y	N						
<input type="checkbox"/>	<input checked="" type="checkbox"/>						
	<table border="1" style="display: inline-table; border-collapse: collapse;"> <tr> <td style="width: 20px; text-align: center;">Y</td> <td style="width: 20px; text-align: center;">N</td> </tr> <tr> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input checked="" type="checkbox"/></td> </tr> </table> O&M Specifications	Y	N	<input type="checkbox"/>	<input checked="" type="checkbox"/>	⌘	
Y	N						
<input type="checkbox"/>	<input checked="" type="checkbox"/>						
Other comments:	⌘						

How to create CRs using this form:

Comprehensive information and tips about how to create CRs can be found at <http://www.3gpp.org/specs/CR.htm>. Below is a brief summary: ...

Annex A (normative):

IDL specifications ~~(file name "AlarmIRPConstDefs.idl")~~

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

```
#ifndef AlarmIRPConstDefs_idl
...
module AlarmIRPConstDefs
{
...
    /*
    ShortTypeOpt is a type carrying an optional parameter.
    If the boolean is TRUE, than the value is present.
    Otherwise the value is absent.
    */
    union ShortTypeOpt switch (boolean)
    {
        case TRUE: short value;
    };

    /*
    Define the structure of Alarm ID and Perceived Severity used within the
    alarm acknowledgment operation. Note: perceived_s_severity is an optional
    parameter. If this value is present, it must have one of the defined values
    of Interface PerceivedSeverity.
    */
    struct AlarmInformationIdAndSev
    {
        string alarm_information_reference;
        PerceivedSeverityShortTypeOpt perceived_severity;
    };
...
};
...
IDL specification (file name "AlarmIRPSystem.idl")
```

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

```
#ifndef AlarmIRPSystem_idl
...
```