

**3GPP TSG-CN Meeting #24
02 – 04 June 2004, Seoul, KOREA**

NP-040264

Source: CN5 (OSA)
Title: Rel-6 CR 29.198-02 OSA API Part 2: Common data (Remove P_FIXED, TpFixed)
Agenda item: 9.7 (OSA Enhancements [\[OSA3\]](#))
Document for: APPROVAL

Doc-1st-	Spec	CR	Rev	Phase	Subject	Cat	Version	Doc-2nd-	Workite
NP-040264	29.198-02	044	-	Rel-6	Remove P_FIXED, TpFixed	F	6.0.1	N5-040094	OSA3

CHANGE REQUEST

⌘ **29.198-02 CR 044** ⌘ rev **-** ⌘ Current version: **6.0.1** ⌘

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:	⌘ Remove P_FIXED, TpFixed		
Source:	⌘ CN5 John-Luc Bakker (Telcordia)		
Work item code:	⌘ OSA3	Date:	⌘ 12/02/2004
Category:	⌘ F	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: 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:	⌘ OMG IDL type FIXED is an template type; it must be instanciated before use. The types P_FIXED, TpFixed cannot be implemented in the OMG IDL files that are generated from the UML documents as the do not instanciate FIXED.
Summary of change:	⌘ Removed P_FIXED, TpFixed. Note that the type TpStructuredAttributeType provided equivalent functionality.
Consequences if not approved:	⌘ Unable to realize OMG IDL files from the UML documents.

Clauses affected:	⌘ 5.1.21-22, 5.1.33						
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:	⌘						

5.1.21 TpSimpleAttributeValue

This is a tagged choice of data elements to hold attribute values of different complexity.

Tag Element Type	
	TpSimpleAttributeTypeInfo

Tag Element Value	Choice Element Type	Choice Element Name
P_BOOLEAN	TpBoolean	BooleanValue
P_OCTET	TpOctet	OctetValue
P_CHAR	TpChar	CharValue
P_WCHAR	TpWChar	WCharValue
P_STRING	TpString	StringValue
P_WSTRING	TpWString	WStringValue
P_INT16	TpInt16	Int16Value
P_UNSIGNED_INT16	TpUnsignedInt16	UnsignedInt16Value
P_INT32	TpInt32	Int32Value
P_UNSIGNED_INT32	TpUnsignedInt32	UnsignedInt32Value
P_INT64	TpInt64	Int64Value
P_UNSIGNED_INT64	TpUnsignedInt64	UnsignedInt64Value
P_FLOAT	TpFloat	FloatValue
P_DOUBLE	TpDouble	DoubleValue
P_FIXED	TpFixed	FixedValue

5.1.22 TpSimpleAttributeTypeInfo

TpSimpleAttributeTypeInfo is an enumerated type used as a discriminator for the TpSimpleAttributeValue structure, and can contain the following values:

Name	Value	Description
P_BOOLEAN	0	Attribute type is type TpBoolean.
P_OCTET	1	Attribute type is type TpOctet.
P_CHAR	2	Attribute type is type TpChar.
P_WCHAR	3	Attribute type is type TpWChar.
P_STRING	4	Attribute type is type TpString.
P_WSTRING	5	Attribute type is type TpWString.
P_INT16	6	Attribute type is type TpInt16.
P_UNSIGNED_INT16	7	Attribute type is type TpUnsignedInt16.
P_INT32	8	Attribute type is type TpInt32.
P_UNSIGNED_INT32	9	Attribute type is type TpUnsignedInt32.
P_INT64	10	Attribute type is type TpInt64.
P_UNSIGNED_INT64	11	Attribute type is type TpUnsignedInt64.
P_FLOAT	12	Attribute type is type TpFloat.
P_DOUBLE	13	Attribute type is type TpDouble.
P_FIXED	14	Attribute type is type TpFixed.

5.1.33 ~~TpFixed~~

~~This data type defines a fixed point decimal number of up to 31 significant digits. The scale factor is a non-negative integer less than or equal to the total number of digits.~~