

Source: TSG-SA WG4

Title: CR 26.104 029 rev 1 Correction on the implementation of the interface of decoder.c (Release 5)

Document for: Approval

Agenda Item: 7.4.3

The following CR, agreed at the TSG-SA WG4 meeting #29, is presented to TSG SA #22 for approval.

Spec	CR	Rev	Phase	Subject	Cat	Vers	WG	Meeting	S4 doc
26.104	029	1	Rel-5	Correction on the implementation of the interface of decoder.c	F	5.2.0	S4	TSG-SA WG4#29	S4-030850

CR-Form-v7

CHANGE REQUEST

⌘ **26.104 CR 29** ⌘ rev **1** ⌘ 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 Core Network

Title:	⌘ Correction on the implementation of the interface of decoder.c		
Source:	⌘ TSG SA WG4		
Work item code:	⌘ AMR	Date:	⌘ 16/12/03
Category:	⌘ F	Release:	⌘ Rel-5
	Use <u>one</u> of the following categories:		Use <u>one</u> of the following releases:
	F (correction)		2 (GSM Phase 2)
	A (corresponds to a correction in an earlier release)		R96 (Release 1996)
	B (addition of feature),		R97 (Release 1997)
	C (functional modification of feature)		R98 (Release 1998)
	D (editorial modification)		R99 (Release 1999)
	Detailed explanations of the above categories can be found in 3GPP TR 21.900 .		Rel-4 (Release 4)
			Rel-5 (Release 5)
			Rel-6 (Release 6)

Reason for change:	⌘ On a linux platform, the reference C-code does not compile when the MMS-like bitstream is activated because the storage size of "dec_mode" is not known in decoder.c
Summary of change:	⌘ The file "sp_dec.h" is included in "decoder.c". This file defines the necessary prototypes so that the source file compiles properly.
Consequences if not approved:	⌘ The reference C-code will not compile anymore on linux, cygwin and solaris platforms with gcc.

Clauses affected:	⌘										
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;">⌘</td> <td style="text-align: center;">X</td> </tr> <tr> <td style="text-align: center;">⌘</td> <td style="text-align: center;">X</td> </tr> <tr> <td style="text-align: center;">⌘</td> <td style="text-align: center;">X</td> </tr> </table>	Y	N	⌘	X	⌘	X	⌘	X	Other core specifications	⌘
Y	N										
⌘	X										
⌘	X										
⌘	X										
		Test specifications									
		O&M Specifications									
Other comments:	⌘ The modification was tested with success (with and without the ETSI flag) under the following environments:										
	<ul style="list-style-type: none"> - cygwin/gcc - solaris/gcc - linux/gcc - win32/VC++ 										

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:

- 1) Fill out the above form. The symbols above marked ⌘ contain pop-up help information about the field that they are closest to.
- 2) Obtain the latest version for the release of the specification to which the change is proposed. Use the MS Word "revision marks" feature (also known as "track changes") when making the changes. All 3GPP specifications can be downloaded from the 3GPP server under <ftp://ftp.3gpp.org/specs/> For the latest version, look for the directory name with the latest date e.g. 2001-03 contains the specifications resulting from the March 2001 TSG meetings.
- 3) With "track changes" disabled, paste the entire CR form (use CTRL-A to select it) into the specification just in front of the clause containing the first piece of changed text. Delete those parts of the specification which are not relevant to the change request.

1. How the code is changed

1.1 File decoder.c

1.1.1 Before the change (lines 13--17)

```
#include <stdlib.h>
#include <stdio.h>
#include <memory.h>
#include "interf_dec.h"
#include "typedef.h"
```

1.1.2 After the change (lines 13--17)

```
#include <stdlib.h>
#include <stdio.h>
#include <memory.h>
#include "interf_dec.h"
#include "sp_dec.h"
#include "typedef.h"
```

1.1.3 Patch file

```
--- decoder.c.orig 2003-03-26 14:15:40.000000000 +0100
+++ decoder.c 2003-11-14 14:41:24.000000000 +0100
@@ -13,6 +13,7 @@
 #include <stdio.h>
 #include <memory.h>
 #include "interf_dec.h"
+#include "sp_dec.h"
 #include "typedef.h"

 #ifndef ETSI
```