TSG RAN Meeting #23   **RP-040060**
Phoenix, Arizona, USA, 10 - 12 March 2004

Title   CRs (Rel-5 and Rel-6 Category A) to TS 25.426 on Diffserv marking
Source   TSG RAN WG3
Agenda Item   7.4.5

RAN3 Tdoc	CR.	Rev.	Cat	Spec.	curr. Vers.	new Vers.	REL	Work Item	Title
R3-040246	35	-	F	25.426	5.3.0	5.4.0	REL5	ETRAN-IPtrans	Diffserv marking is configurable
R3-040247	36	-	A	25.426	6.0.0	6.1.0	REL6	ETRAN-IPtrans	Diffserv marking is configurable

CR-Form-v7

CHANGE REQUEST

| ⌘ | **25.426** CR **035** | ⌘**rev** | **-** | ⌘ | Current version: | **5.3.0** | ⌘ |

*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 **X** Core Network ☐

Title:	⌘	Diffserv marking is configurable		
Source:	⌘	RAN3		
Work item code:	⌘	ETRAN-IPtrans	**Date:** ⌘	16/02/2004
Category:	⌘	**F**	**Release:** ⌘	Rel-5

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:	⌘	At RAN3#39, CRs 71 on TS 25.414, 26 on TS 25.424 and 28 on TS 25.434 have been approved because "it was not clear enough how a node marks IP packets with Diffserv". A similar modification is needed to TS 25.426.

Summary of change:	⌘	It is made explicit that Diffserv marking can be configured by the operator.

<u>Impact Analysis:</u>

This CR has isolated impact on the previous version of the specification (same release) because only one function is impacted.
This CR has an impact under the functional point of view.
The impact can be considered as isolated as it affects only one function, namely marking of IP packets.

Consequences if not approved:	⌘	If the marking is not controllable by the operator, it is very likely that the marking be not adapted to the transport network or to the evolution of the transport network (e.g. addition of new PHBs in the transport network).

Clauses affected:	⌘	5.3

		Y	N		
Other specs affected:	⌘	X		Other core specifications ⌘	CR 036 on 25.426 v 6.0.0
			X	Test specifications	
			X	O&M Specifications	

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:

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.

5.3   IP Transport Option

UDP [17] over IP shall be supported as the transport for DCH data streams on Iub and Iur interfaces. The data link layer is as specified in chapter 4.2.

An IP UTRAN Node shall support IPv6. The support of IPv4 is optional.

NOTE: This does not preclude single implementation and use of IPv4.

IP dual stack support is recommended for the potential transition period from IPv4 to IPv6 in the transport network.

The transport bearer is identified by the UDP port number and the IP address (source UDP port number, destination UDP port number, source IP address, destination IP address).

IP Differentiated Services code point marking [30] shall be supported. The mapping between traffic categories and Diffserv code points shall be configurable by O&M. ~~The Diffserv code point~~ Traffic categories are implementation-specific and may be determined from the application parameters.

CR-Form-v7

CHANGE REQUEST

⌘ **25.426** CR **036** ⌘**rev** **-** ⌘ Current version: **6.0.0** ⌘

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Proposed change affects: UICC apps⌘ ☐ ME ☐ Radio Access Network **X** Core Network ☐

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Source: ⌘	RAN3
Work item code:⌘	ETRAN-IPtrans **Date:** ⌘ 16/02/2004
Category: ⌘ **A**	**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)
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Rel-6 (Release 6)

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Clauses affected: ⌘	5.3

	Y	N	
Other specs ⌘	X		Other core specifications ⌘ CR 035 on 25.426 v 5.3.0
affected:		X	Test specifications
		X	O&M Specifications

Other comments: ⌘	

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