3GPP TSG SA Meeting #28
6th – 9th June 2005. Quebec, CANADA.

3GPP TSG SA Meeting #28   **SP-050234**
6th – 9th June 2005. Quebec, CANADA.

Source:	**Vodafone**
Title:	**Specification of the Terminating Short Message Service Centre.**
Agenda item:	**8.1.2**
Document for:	**Information**

3GPP TSG CT Meeting #28   **CP-050132**
1st – 3rd June 2005. Quebec, CANADA.

Source:	**Vodafone**
Title:	**Specification of the Terminating Short Message Service Centre.**
Agenda item:	**10.17**
Document for:	**Approval**

Work Item Description

Title

Specification of the Terminating Short Message Service Centre

1   3GPP Work Area

	Radio Access
X	Core Network
X	Services

2   Linked work items

Unique_ID: 32081. Support of SMS and MMS over generic 3GPP IP access, in SA2.

3   Justification

The opportunity to include a non-standardised Short Message Service Centre in the B-party's HPLMN already exists for operators, in effect setting up a relay that allows it to control the delivery of all short messages (rather than the B-party's VPLMN as in the currently standardised architecture).

The potential benefits include:
-    Control of SMS Spam.
-    Added flexibility for MT-SMS charging
-    Addition of new value added capabilities such as SMS Forwarding
-    Provision of an interception point for Spoof and Fake SMS.

3GPP should examine the desirability of producing a standardised solution for the termination of short messages in the HPLMN via a T-SMSC, in order to protect a number of existing 3GPP specified services from the negative effects of a multiplicity of non-standard solutions.

4 Objective

To produce a Technical Report which shall:

- Determine the most efficient solution for the implementation of the T-SMSC in the MT-SMS transfer procedure. Such a solution should not negatively affect existing 3GPP functionality.

- Determine the most appropriate way to specify such functionality in 3GPP documentation.

5 Service Aspects
Other services that make use of signalling designed for SMS may be affected.

6 MMI-Aspects
None

7 Charging Aspects

Provision of SMS-MT CDRs by the T-SMSC, and their format, shall both be considered.

8 Security Aspects
None.

9 Impacts

Affects:	UICC apps	ME	AN	CN	Others
Yes				X	
No	X	X	X		X
Don't know					

10 Expected Output and Time scale (to be updated at each plenary)

New specifications						
Spec No.	Title	Prime rsp. WG	2ndary rsp. WG(s)	Presented for information at plenary#	Approved at plenary#	Comments
TR.2x.8xx		CT4	CT1			
Affected existing specifications						
Spec No.	CR	Subject		Approved at plenary#		Comments

11 Work item rapporteur(s)

Vodafone

12 Work item leadership

CT4

13 Supporting Companies

Vodafone

14 Classification of the WI (if known)

	Feature (go to 14a)	
	Building Block (go to 14b)	
X	Work Task (go to 14c)	

14c   The WI is a Work Task: parent Building Block

(one Work Item identified as a building block)