3GPP TSG SA Meeting #28   **SP-050233**
6ᵗʰ – 9ᵗʰ June 2005. Quebec, CANADA.

Source: **Vodafone**

Title: **Specification of the Terminating Short Message Service Centre.**

Agenda item: **8.1.2**

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3GPP TSG CT Meeting #28   **CP-050131**
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Source: **Vodafone**

Title: **Specification of the Terminating Short Message Service Centre.**

Agenda item: **10.17**

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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.

These non-standardised implementations make alternative use of some existing 3GPP signalling, and in some cases may even change the content of certain Information Elements or reuse 3GPP Information Flows designed for other service architectures.

In order to preserve the stability of its existing specifications, 3GPP TSG-CT needs to consider the impact of inclusion of T-SMSC in its SMS specifications. 3GPP TSG-CT should also consider the impact of the altered signalling upon those services that make use of signalling originally designed for SMS. Examples include, but are not limited to:

1) Handling of SMS Delivery Reports (delivery to T-SMSC and not to UE)
2) Number Portability
3) Multimedia Messaging Services
4) LCS and Emergency Call Location Services
5) Possible numbering and addressing issues

It is therefore proposed that TSG-CT produce a Technical Report in Release 7, which considers the above issues as a minimum. The TR should also determine the most appropriate way for 3GPP to include the T-SMSC in its specifications.