
3GPP TSG CN2
Visby, Sweden
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Source: TSG CN WG2
To: SMG10 & TSG-SA WG3
cc: TSG CN, TSG SA

Title: Liaison statement response on IST for non-CAMEL subscribers

TSG CN WG2 thanks SMG10 & TSG SA WG3 the information received in their LS (Tdoc TSGS3(99)207/SMG10 AP99-076) about how to progress the work on IST for non-CAMEL Subscribers.

In response to the specific points raised by SMG10 & TSG SA WG3, here we include the answers from TSG CN WG2:

1. TSG CN WG2 includes attached to this LS the CR to GSM TS 03.35 agreed in this group as the proposed implementation of IST for non-CAMEL Subscribers; please note that the new text to be added to 03.35 has been included without revision marks to improve readability. TSG CN WG2 ask SMG10 & TSG SA WG3 to consider the approval of the attached CR as part of GSM TS 03.35.
2. Regarding the necessity of a standalone IST command vs. the triggering of the IST command via the MSC by alerting the HLR, TSG CN WG2 decided to include several levels of support of IST for non-CAMEL Subscribers:
 - A basic IST capability, that means that only the call activity that initiated the IST alert message towards the HLR can be terminated when indicated in the IST alert response from this HLR. This capability shall be supported in any node that includes support of IST for non-CAMEL Subscribers.
 - A second component of IST capability, with which the MSC is able to link and terminate all the call activities related to a specific Subscriber when the IST alert response is received from the HLR. This capability is an implementation option in the MSC.
 - A third component of IST capability, with which the HLR can send IST standalone commands for a Subscriber to any MSC. This capability is an implementation option in the HLR.
 - A fourth component of IST capability, with which the MSC is able to terminate immediately all the call activities for that Subscriber upon reception of the IST standalone command. This capability is an implementation option in the MSC.
3. After considering in more detail the need for a specific functionality to be provided for termination of GPRS PDP contexts, TSG CN WG2 has found out that the already implemented Delete Subscriber Data message provides the necessary capability needed to terminate immediately any PDP context for a Subscriber; deletion of a Subscribed PDP context in an SGSN by this means implies deactivation of this PDP context too. TSG CN WG2 recommend that GSM 03.35 should state that the use of the Delete Subscriber Data message from HLR to SGSN is the way IST shall be provided for GPRS Subscribers.

Apart from these issues, TSG CN WG2 inform SMG10 & TSG SA WG3 that a new issue was raised during the discussion on IST functionality: neither the stage 1 nor the stage 2 of IST mentions the treatment of Emergency calls. In TSG CN WG2's understanding, this means that Emergency calls are to be terminated together with all other calls for a Subscriber under IST condition. TSG CN WG2 believe that Emergency calls should be excluded from IST functionality, and recommend that this should be stated in the IST stage 1 and stage 2 specifications.