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Source:	**Vodafone**
Title:	**Application of the IST feature to packet-switched services**
Document for:	**Discussion and approval**
Agenda Item:	**6.6**

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The current Immediate Service Termination (IST) stage 1 and stage 2 specifications (42.032 and 43.035, soon to become 22.032 and 23.035) define CAMEL-based and MAP-based solutions to allow an HPLMN to immediately terminate circuit-switched services. It is proposed to extend these specifications to make the IST feature applicable to packet-switched services.

CAMEL solution

It is our understanding that CAMEL from R99 onwards already defines the possibility to control GPRS sessions and PDP contexts. In particular, if there is a CAMEL control relationship for a GPRS session between the CAMEL server (gsmSCF) in the HPLMN and the SGSN (gprsSSF), then CAMEL can be used to terminate the whole GPRS session or a specific PDP context. Furthermore, if there is a CAMEL control relationship for a specific PDP context between the CAMEL server (gsmSCF) in the HPLMN and the SGSN (gprsSSF), then CAMEL can be used to terminate the specific PDP context. It is proposed that the IST stage 1 and stage 2 specifications are updated to reflect the fact that CAMEL can be used to immediately terminate packet-switched services.

MAP solution

The MAP specification does not support IST for packet-switched services. It is proposed that the IST stage 1 and stage 2 specifications are updated to include a description of the IST feature for packet-switched services. It is expected that the MAP solution for packet-switched services will involve introducing similar stage 3 specifications into the MAP standard (29.002) as those already introduced for circuit-switched IST. However, it is expected that the solution for packet-switched services may be simpler since supplementary services like call forwarding and call transfer are not applicable.

Proposed timeplan

- Stage 1 and stage 2 CRs approved at WG level (SA3#24: 9-12 July 2002, Helsinki)
- Stage 3 CRs approved at WG level (CN4#14: 29 July – 2 August 2002, Helsinki)
- CRs approved at TSG level (CN#17/SA#17: 4-12 September 2002, Biarritz)

Summary

It is requested that SA3 approve this proposal as the basis for making the IST feature applicable to packet-switched services.