

# ETSI TS 123 116 V13.0.0 (2016-01)



**Digital cellular telecommunications system (Phase 2+);  
Universal Mobile Telecommunications System (UMTS);  
Super-Charger technical realization;  
Stage 2  
(3GPP TS 23.116 version 13.0.0 Release 13)**



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Reference

RTS/TSGC-0423116vd00

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Keywords

GSM,UMTS

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# 1 Scope

The present document specifies the stage 2 description of the Super-Charger that provides a mechanism to reduce the signalling traffic associated with mobility.

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# 2 References

The following documents contain provisions which, through reference in this text, constitute provisions of the present document.

- References are either specific (identified by date of publication, edition number, version number, etc.) or non-specific.
- For a specific reference, subsequent revisions do not apply.
- For a non-specific reference, the latest version applies. In the case of a reference to a 3GPP document (including a GSM document), a non-specific reference implicitly refers to the latest version of that document *in the same Release as the present document*.

- [1] 3GPP TS 21.905: "3G Vocabulary".
- [2] 3GPP TR 23.912: "Technical Report on Super-Charger".
- [3] 3GPP TS 23.007: "Restoration Procedures".
- [4] 3GPP TS 23.008: "Organisation of Subscriber Data".
- [5] 3GPP TS 23.012: "Location Management Procedures".
- [6] 3GPP TS 23.016: "Subscriber Data Management: Stage 2".
- [7] 3GPP TS 23.040: "Technical Realisation of the Short Message Service (SMS); Point-To-Point (PP)".
- [8] 3GPP TS 23.060: "General Packet Radio Service; Stage 2".
- [9] 3GPP TS 29.002: "Mobile Application Part (MAP)".
- [10] 3GPP TS 23.018: "Basic call handling; Technical realization".

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# 3 Definitions and abbreviations

## 3.1 Definitions

For the purposes of the present document the following terms and definitions apply.

Procedure Calls to stage 2.

<b>Super-Charged Network:</b>	UMTS network in which the Super-Charger mechanism is being used to optimise mobility management signalling
<b>Network Entity:</b>	either an MSC/VLR, SGSN or UMSC
<b>Serving Network Entity:</b>	network entity to which the mobile station is attached
<b>Previous Network Entity:</b>	network entity to which the mobile station was attached prior to the serving network entity