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Universal Mobile Telecommunications System (UMTS);  
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Stage 2  
(3GPP TS 23.090 version 14.0.0 Release 14)**



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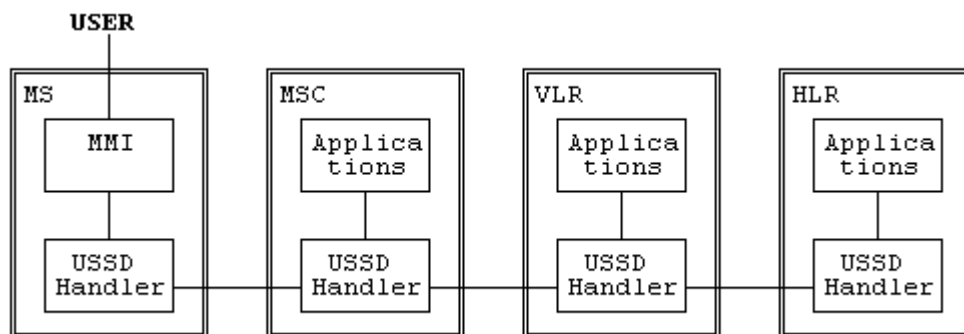
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# 1 Scope

The present document gives the stage 2 description of Unstructured Supplementary Service Data (USSD).

The unstructured supplementary service data (USSD) mechanism allows the Mobile Station (MS) user and a PLMN operator defined application to communicate in a way which is transparent to the MS and to intermediate network entities. The mechanism allows development of PLMN specific supplementary services. The following diagram shows how handling of USSD is carried out, independently of the applications.



**Figure 1.1: Handling of USSD**

The present document defines the requirements for handling USSD at the MS and network entities. It does not include specification of particular applications, nor does it specify how a particular application is selected. Where more than one application exists at a network entity, routing of messages to the correct application is carried out by the USSD handler. The MMI for USSD is specified in TS 22.030 and TS 22.090. The alphabet indicator and the data coding scheme are defined in TS 23.038.

USSD may be initiated by the MS user, or by the network in the following ways:

- Network initiated USSD (clause 1);
- Mobile initiated USSD (clause 2).

# 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 TR 21.905: "3G Vocabulary".
- [2] 3GPP TS 22.030: "Man-Machine Interface (MMI) of the User Equipment (UE)".
- [3] 3GPP TS 22.090: "Unstructured Supplementary Service Data (USSD) - Stage 1".
- [4] 3GPP TS 23.038: "Alphabets and language-specific information".