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Digital cellular telecommunications system (Phase 2); Procedures for call progress indications (GSM 02.40)

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ICS:

33.070.50	Globalni sistem za mobilno telekomunikacijo (GSM)	Global System for Mobile Communication (GSM)
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(GSM 02.40)**

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Foreword

This European Telecommunication Standard (ETS) has been produced by the Special Mobile Group (SMG) Technical Committee (TC) of the European Telecommunications Standards Institute (ETSI).

This ETS defines the requirements for call progress and related information provided to the users of the digital cellular telecommunications system (Phase 2).

This ETS corresponds to GSM technical specification GSM 02.40 version 4.5.0.

The specification from which this ETS has been derived was originally based on CEPT documentation, hence the presentation of this ETS may not be entirely in accordance with the ETSI/PNE rules

Reference is made within this ETS to GSM-TSs (NOTE).

NOTE: TC-SMG has produced documents which give the technical specifications for the implementation of the European digital cellular telecommunications system. Historically, these documents have been identified as GSM Technical Specifications (GSM-TSs). These TSs may have subsequently become I-ETTs (Phase 1), or ETSS (Phase 2), whilst others may become ETSI Technical Reports (ETRs). GSM-TSs are, for editorial reasons, still referred to in GSM ETSS.

Transposition dates	
Date of adoption of this ETS:	31 January 1996
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Date of latest publication of new National Standard or endorsement of this ETS (dop/e):	31 October 1996
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0 Introduction

0.1 Scope

The purpose of this European Telecommunication Standard (ETS) is to define requirements for call progress and related information to be provided to users of the GSM system.

0.2 Normative references

This ETS incorporates by dated and undated reference, provisions from other publications. These normative references are cited at the appropriate places in the text and the publications are listed hereafter. For dated references, subsequent amendments to or revisions of any of these publications apply to this ETS only when incorporated in it by amendment or revision. For undated references, the latest edition of the publication referred to applies.

- [1] GSM 01.04 (ETR 100): "European digital cellular telecommunications system (Phase 2); Abbreviations and acronyms".
- [2] GSM 02.30 (ETS 300 511): "European digital cellular telecommunications system (Phase 2); Man-Machine Interface (MMI) of the Mobile Station (MS)".
- [3] GSM 04.08 (ETS 300 557): "European digital cellular telecommunications system (Phase 2); Mobile radio interface layer 3 specification".
- [4] CEPT Recommendation T/CS 20-15: "Tones and announcements".
- [5] CEPT Recommendation T/S F23: "Relative aux définitions et caractéristiques audibles des tonalités et des annonces parlées".

0.3 Definitions and abbreviations

Abbreviations used in this ETS are listed in GSM 01.04.

1 General

There are aspects of the Man Machine Interface of the GSM Network which relate to users, but which are not covered by GSM 02.30, which deals specifically with the MMI of the Mobile Station. The present ETS covers the means by which mobile users, and callers to a GSM network, will be given information regarding progress of their calls.

Indications of call progress, such as ringing, engaged, unobtainable, and no radio channel, may in principle be verbal message, tones, displayed text or graphical symbols. Which combination of these applies may depend on the message, the mobile station and selection by the user or PLMN operator. However, verbal announcements will generally be reserved for situations which are peculiar to a mobile network, where users may be unfamiliar with any tone chosen to indicate conditions such as "call diversion" or "subscriber not available".

It may also be desirable to add comfort indications (e.g. tones, noise, music, clicks) while a call is being connected, since silence may cause an unfamiliar user to believe that nothing is happening.

Generally, on data calls, and on the data part of alternate speech/data or speech-followed-by-data calls, PLMN generated network tones and announcements should be muted.