SIS - Standardiseringskommissionen i Sverige

SVENSK STANDARD SS 63 63 58

Handläggande organ	Fastställd	Utgåva	Sida
ITS, Informationstekniska standardiseringen	1993-02-17	1	1 (1 + 2)

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Europeiskt digitalt mobiltelesystem, GSM — Transmissionskrav för fysisk anslutning till Televerkets telefonnät

Anslutning till det allmänna telenätet har tidigare reglerats genom specifikationer från Televerket. Sedan den 1 juli 1992 sker reglering genom Telestyrelsen.

Telestyrelsens mandat och arbetssätt innebär hänvisning till internationell, europeisk och svensk standard.

Ett antal specifikationer från Televerket kommer därför att överföras till svensk standard.

I denna utgåva av standarden överförs televerksspecifikation 8211-A 302 oförändrad. I nästa utgåva kommer en granskning av det tekniska innehållet och en anpassning till redigeringsreglerna för svensk standard att ske.

European digital cellular telecommunications system, GSM — Transmission requirements for physical connection to the telephone network of "Televerket"

Connection to the public switched telephone network has formerly been regulated by specifications issued by "Televerket". Since July 1, 1992 "Telestyrelsen" is the Swedish regulating authority.

The mandate and way of working of "Telestyrelsen" implies references to International, European and Swedish standards.

Several specifications from "Televerket" will therefore be transferred to Swedish standards.

In this version of the standard the specification 8211-A 302 from "Televerket" is transferred unchanged. In the second version a review of the technical content and an adjustment to the editing rules for Swedish standards will be performed.

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TVT-STANDARD SPECIFICATION

Uppgjord – Prepared	Faktaansvarig – Subject responsible	Nr – No.		
1991 Nsn Les	NsC	8211-A 302 Uen		
Dokumentansvarig/Godkänd – Document responsible/Approved		Datum – Date	Rev	File/Tillhör	S-klass
NsC		1991-02-07	A		S1

Transmission requirements for public land mobile networks according to the paneuropean digital system, GSM, connected to the public switched telephone network.

Contents

1 ADOPTION DATE

This standard shall take effect 1991-03-01.

2 SCOPE

This standard covers transmission requirements for public land mobile networks (PLMNs) according to the paneuropean digital system, GSM, connected to the public switched telephone network (PSTN).

Note: This standard is provided in english only.

3 OTHER RELATED STANDARDS

CCITT Recommendations, Blue Book 1988:

G.703 Physical/electrical characteristics of hierarchical digital interfaces.

G.704 Synchronous frame structures used at primary and secondary hierarchical levels.

G.711 Pulse code modulation (PCM) of voice frequencies.

A 710 4614/03 (1988-11) Sakäg Pru

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Uppgjord – Prepared	Faktaansvarig – Subject responsible	Nr – No.			
1991 Nsn Les	NsC			8211 - A302	
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NsC		1991-02-07	A		S1

4 GENERAL

The PLMN shall fulfil the overall transmission planning requirements as specified in section 5, the electrical interface requirements as specified in section 6 and the frame structure requirements as specified in section 7.

5 OVERALL TRANSMISSION PLANNING REQUIREMENTS

The requirements for the overall transmission planning in the PLMNs for connection to the PSTN are specified in ETSI Recommendation GSM 03.50, version 3.1.0.

At the interconnection point an analogue signal shall be represented by 8-bit A-law according to CCITT Recommendation G.711.

6 ELECTRICAL INTERFACE TO THE PSTN

The requirements for the 2048 kbit/s electrical interface for the interconnection of the PLMNs to the PSTN are specified in CCITT Recommendation G.703 (blue book), section 6, for coaxial cable and test load impedance 75 ohms.

7 FRAME STRUCTURE IN THE INTERCONNECTION POINT

The requirements for the frame structure at 2048 kbit/s for the interconnection of the PLMNs to the PSTN are specified in CCITT Recommendation G.704, section 2.3 and 5.1.1 (blue book).

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