

SLOVENSKI STANDARD SIST ETS 300 392-10-6 E1:2003

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Terrestrial Trunked Radio (TETRA); Voice plus Data (V+D); Part 10: Supplementary services stage 1; Sub-part 6: Call authorized by dispatcher

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33.070.10 Prizemni snopovni radio

(TETRA)

(TETRA)

Terrestrial Trunked Radio

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en

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Part 10-06: Call authorized by dispatcher

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Foreword

This European Telecommunication Standard (ETS) has been produced by the Radio Equipment and Systems (RES) Technical Committee of the European Telecommunications Standards Institute (ETSI).

This ETS is a multi-part standard and will consist of the following parts:

Part 1: "General network design".

Part 2: "Air Interface (AI)".

Part 3: "Inter-working", (DE/RES-06001-3).

Part 4: "Gateways", (DE/RES-06001-4).

Part 5: "Terminal equipment interface", (DE/RES-06001-5).

Part 6: "Line connected stations", (DE/RES-06001-6).

Part 7: "Security".

Part 8: "Management services", (DE/RES-06001-8).

Part 9: "Performance objectives", (DE/RES-06001-9).

Part 10: "Supplementary services stage 1".

Part 11: C'Supplementary services stage 2", (DE/RES-06001-11).

Part 12: "Supplementary services stage 3", (DE/RES-06001-12).

Part 13: "SDL Model of the Air Interface", (DE/RES-06001-13).

Part 14: https://standards.iteh.ai/catalog/standards/sist/5cb5eb65-ca61-4e56-ad80-"PICS_Proforma"; (DE/RES-96001-14)2003

Part 15: "Inter-working - Extended Operations", (DE/RES-06001-15).

Part 16: "Gateways for Supplementary Services", (DE/RES-06001-16).

Transposition dates			
Date of adoption of this ETS:	1 March 1996		
Date of latest announcement of this ETS (doa):	31 July 1996		
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Date of withdrawal of any conflicting National Standard (dow):	31 January 1997		

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1 Scope

This European Telecommunication Standard (ETS) defines the stage 1 specifications of the Supplementary Service Call Authorized by Dispatcher (SS-CAD) for the Trans-European Trunked RAdio System (TETRA). Stage 1 is an overall service description from the users point of view but does not deal with the details of the human interface itself.

This ETS specifies the service description of the supplementary service and the procedures to be expected with successful and unsuccessful outcomes. In addition this ETS specifies the interactions with other TETRA supplementary services and inter-working considerations.

Charging principles shall be outside the scope of this ETS.

The SS-CAD ensures that predefined TETRA calls shall not proceed without first being authorized by a dispatcher.

2 Normative references

This ETS incorporates, by dated or 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] CCITT Recommendation I.130 (1988): "Method for the characterization of telecommunication services supported by an ISDN and network capabilities of

an ISDN".

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[2] ITU-T Recommendation Z.100 (1993): "Specification and Description Language (SDL)" **standards.iteh.al**)

3 Definitions and abbreviations 392-10-6 E1:2003

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3.1 Definitions 295533a590f1/sist-ets-300-392-10-6-e1-2003

For the purposes of this ETS, the following definitions apply:

broadcast call: A multipoint call in which the same information is transmitted simultaneously by the calling terminal to all available terminals.

outgoing call: A call which, from the viewpoint of an individual participant in the call, is initiated by that participant.

restricted user: The user (individual TETRA user or a user via a gateway) who is required to seek authorization from the dispatcher before the request for service can proceed.

served user: The user or a group of users, to whom the request for authorization shall be directed to. It is normal that the served user is also the dispatcher that is responsible for that call.

3.2 Abbreviations

3.2.1 General abbreviations

For the purposes of this ETS, the following general abbreviations apply:

GTSI Group TETRA Subscriber Identity
ISDN Integrated Services Digital Network
ITSI Individual TETRA Subscriber Identity

LS Line Station

SDL (Functional) Specification and Description Language

SS Supplementary Service

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NOTE: The abbreviation SS is only used when referring to a specific supplementary service.

SwMI Switching and Management Infrastructure

TETRA Trans-European Trunked RAdio

Voice Plus Data V+D

3.2.2 Supplementary service abbreviations

For the purposes of this ETS, the following Supplementary Service abbreviations apply:

Ambience Listening SS-AoC Advice of Charge SS-AP Access Priority SS-AS Area Selection

SS-BIC Barring of Incoming Calls SS-BOC Barring of Outgoing Calls SS-CAD Call Authorized by Dispatcher SS-CCBS Call Completion to Busy Subscriber SS-CCNR Call Completion on No Reply Call Forwarding on Busy SS-CFB Call Forwarding on No Reply SS-CFNRy Call Forwarding on Not Reachable SS-CFNRc SS-CFU Call Forwarding Unconditional

SS-CLIP Calling Line Identification Presentation

SS-CLIR Calling/Connected Line Identification Restriction SS-COLP Connected Line Identification Presentation

SS-CR Call Report

Call Waiting SS-CW Dynamic Group Number Assignment PREVIEW SS-DGNA

SS-DL

Discreet Listening (standards.iteh.ai) SS-HOLD

SS-IC Include Call

SS-LE Late Entry SIST ETS 300 392-10-6 E1:2003

SS-LSC List Searcha Call teh.ai/catalog/standards/sist/5cb5eb65-ca61-4e56-ad80-

SS-PC Priority Call 295533a590f1/sist-ets-300-392-10-6-e1-2003

SS-PPC Pre-emptive Priority Call SS-SNA **Short Number Addressing** SS-SDS **Short Data Service**

SS-TC Transfer of Control

SS-TPI Talking Party Identification

4 Supplementary Service Call Authorized by Dispatcher (SS-CAD) stage 1 specification

4.1 **Description**

4.1.1 **General description**

SS-CAD is defined as the ability of the dispatcher to verify and approve a call request before the call is allowed to proceed.

The supplementary service shall also apply to the option whereby the dispatcher authorization of incoming call requests to specified TETRA addresses is required before the service can proceed. The specified TETRA addresses may be TETRA users or gateways. The incoming calls may be generated inside or outside of the operator's TETRA domain.

The service shall enable immediate interception of calls due to the following conditions:

- 1) category of calling user;
- 2) restricted basic service request;

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3) restricted destination or source address;

4) restricted area.

4.1.2 Qualifications on applicability to telecommunication services

SS-CAD shall be applicable to all TETRA circuit mode teleservices and bearer services. SS-CAD shall not be applicable to Short Data Service (SDS).

4.2 Procedures

4.2.1 Provision and withdrawal

The SS-CAD supplementary service shall be provided by prior arrangement with the service provider.

This service may be withdrawn by the service provider or upon request from the served user.

Conditions for SS-CAD shall be defined and linked with the source, basic service request and destination of the call as shown in table 1.

Table 1: Implementation options, authorization conditions

Implementation options	Source	Basic service request	Destination
Category of calling user	Internal TETRA number,	TETRA teleservices and	Internal TETRA number
	restricted user's Individual	bearer services	External to TETRA
	TETRA Subscriber		
	Identity (ITSI)		
Restricted basic service	Internal TETRA/number,	TETRA teleservices and	Internal TETRA number
	restricted user's ITSI	bearer services	External to TETRA
Restricted destination	Internal TETRA number,	TETRA teleservices and	Internal TETRA number
address	restricted user's ITSI	bearer services	External to TETRA
Restricted destination	Other TETRA systems or	Supported services	Internal TETRA number
address https://gtondor	gateways	h5ah65 aa61 4a56 ad90	
Restricted source address	Internal TETRA number,	h5ch65-ca61-4c56-ad80- TETRA teleservices and	Internal TETRA number
4	restricted user's ITSI	bearer services	External to TETRA
Restricted source address	Other TETRA systems or	Supported services	Internal TETRA number
	gateways		
Restricted area	Internal TETRA number,	TETRA teleservices and	Specified TETRA area
	restricted user's ITSI	bearer services	-

As an implementation option, the calling user may receive notification that the call is intercepted according to table 2.

Table 2: Implementation options, notification

Implementation options	Value
Notification to the restricted user	- No
	- Yes, without dispatcher's number
	- Yes, with dispatcher's number

4.2.1.1 Category of calling user

To provide this implementation option the served user shall supply the following to the service provider:

- 1) the identifications of the restricted users to which authorization shall be given before their request for service can proceed;
- 2) the served user address where all requests for service shall be diverted for approval.