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

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European Standard (Telecommunications series)

**Terrestrial Trunked Radio (TETRA);
Voice plus Data (V+D);
Part 10: Supplementary services stage 1;
Sub-part 1: Call Identification (CI)**

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Foreword

This European Standard (Telecommunications series) has been produced by ETSI Project Terrestrial Trunked Radio (TETRA).

The present document is part 10, sub-part 1 of a multi-part deliverable covering the Terrestrial Trunked Radio (TETRA); Voice plus Data (V+D), as identified below:

- EN 300 392-1: "General network design";
- EN 300 392-2: "Air Interface (AI)";
- EN 300 392-3: "Interworking at the Inter-System Interface (ISI)";
- ETS 300 392-4: "Gateways basic operation";
- EN 300 392-5: "Peripheral Equipment Interface (PEI)";
- EN 300 392-7: "Security";
- EN 300 392-9: "General requirements for supplementary services";
- EN 300 392-10: "Supplementary services stage 1";**
 - EN 300 392-10-1: "Call Identification (CI)";**
 - ETS 300 392-10-2: "Call report";
 - ETS 300 392-10-3: "Talking Party Identification (TPI)";
 - EN 300 392-10-4: "Call Forwarding (CF)";
 - ETS 300 392-10-5: "List Search Call (LSC)";
 - EN 300 392-10-6: "Call Authorized by Dispatcher (CAD)";
 - ETS 300 392-10-7: "Short number addressing";
 - EN 300 392-10-8: "Area Selection (AS)";
 - ETS 300 392-10-9: "Access priority";
 - EN 300 392-10-10: "Priority Call (PC)";
 - EN 300 392-10-11: "Call Waiting (CW)";
 - EN 300 392-10-12: "Call Hold (HOLD)";
 - ETS 300 392-10-13: "Call completion to busy subscriber";
 - EN 300 392-10-14: "Late Entry (LE)";

- ETS 300 392-10-15: "Transfer of control";
- ETS 300 392-10-16: "Pre-emptive Priority Call (PC)";
- EN 300 392-10-17: "Include Call (IC)";
- EN 300 392-10-18: "Barring of Outgoing Calls (BOC)";
- EN 300 392-10-19: "Barring of Incoming Calls (BIC)";
- ETS 300 392-10-20: "Discreet Listening (DL)";
- EN 300 392-10-21: "Ambience Listening (AL)";
- EN 300 392-10-22: "Dynamic Group Number Assignment (DGNA)";
- ETS 300 392-10-23: "Call completion on no reply";
- ETS 300 392-10-24: "Call Retention (CRT)";
- EN 300 392-11: "Supplementary services stage 2";
- EN 300 392-12: "Supplementary services stage 3";
- ETS 300 392-13: "SDL model of the Air Interface (AI)";
- ETS 300 392-14: "Protocol Implementation Conformance Statement (PICS) proforma specification";
- TS 100 392-15: "TETRA frequency bands, duplex spacings and channel numbering";
- TS 100 392-16: "Network Performance Metrics";
- TS 100 392-17: "TETRA V+D and DMO Release 1.1 specifications";

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1 Scope

The present document specifies the following identification supplementary services: Calling Line Identification Presentation (SS-CLIP), Connected Line Identification Presentation (SS-COLP), Calling Line Identification Restriction (SS-CLIR) and Connected Line Identification Restriction (SS-COLR), which are applicable to various basic services supported by TETRA Switching and Management Infrastructures (SwMIs). TETRA basic services are specified in EN 300 392-2 [1].

Calling Line Identification Presentation (SS-CLIP) is a supplementary service which is offered to the connected user and which provides the calling user's TETRA number to the connected user.

Connected Line Identification Presentation (SS-COLP) is a supplementary service which is offered to the calling user and which provides the called (connected) user's TETRA number to the calling user.

Calling Line Identification Restriction (SS-CLIR) is a supplementary service offered to a calling user to restrict presentation of that user's TETRA number to another user.

Connected Line Identification Restriction (SS-COLR) is a supplementary service offered to a connected user to restrict presentation of that user's TETRA number to another user.

NOTE 1: For readability of the present document, and contrary to ECMA-148 [2], SS-CLIR and SS-COLR are split in the present document.

As a TETRA network implementation option, override capability shall be provided to selected users; for a group call, override shall be defined against the group identity and not against each individual member of the group.

NOTE 2: This capability is provided in ECMA-148 [2].

Supplementary service specifications are produced in three stages, according to the method described in ETS 300 387 [6]. The present document contains the stage 1 specifications of SS-CLIP, SS-COLP and SS-CLIR. The stage 1 descriptions specify the supplementary services as seen by users of SwMIs.

The present document is applicable to circuit mode TETRA teleservices and bearer services only.

This first version of the present document was presented as a delta document to ECMA-148 [2]. This version has been redrafted still based on the text of ECMA-148 [2] but includes now the full applicable text so as to be more readable.

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 and/or edition number or version number) or non-specific.
- For a specific reference, subsequent revisions do not apply.
- For a non-specific reference, the latest version applies.

Referenced documents which are not found to be publicly available in the expected location might be found at <http://docbox.etsi.org/Reference>.

- [1] ETSI EN 300 392-2 "Terrestrial Trunked Radio (TETRA); Voice plus Data (V+D); Part 2: Air Interface (AI)".
- [2] Standard ECMA-148 (1997): "Private Integrated Services Network (PISN) - Specification, Functional Model and Information Flows - Identification Supplementary Services (ISSD), 3rd edition".
- [3] ITU-T Recommendation I.112: "Vocabulary of terms for ISDNs".

- [4] ITU-T Recommendation I.210: "Principles of telecommunication services supported by an ISDN and the means to describe them".
- [5] ITU-T Recommendation Q.9: "Vocabulary of switching and signalling terms".
- [6] ETSI ETS 300 387: "Private Telecommunication Network (PTN); Method for the specification of basic and supplementary services".
- [7] ITU-T Recommendation Z.100: "Specification and Description Language (SDL)".

3 Definitions and abbreviations

3.1 Definitions

For the purposes of the present document, the following terms and definitions apply:

bearer service: type of telecommunication service that provides the capability for the transmission of signals between user-network interfaces

NOTE: See ITU-T Recommendation I.112 [3].

Line Station (LS): physical grouping that contains all of the fixed equipment that is used to obtain terrestrial access to TETRA services

Mobile Station (MS): physical grouping that contains all of the mobile equipment that is used to obtain TETRA services

NOTE: By definition, a mobile station contains at least one Mobile Radio Stack (MRS).

supplementary service: any service provided by a network in addition to its basic service or services

NOTE 1: See ITU-T Recommendation Q.9 [5].

NOTE 2: A supplementary service modifies or supplements a basic telecommunication service.

NOTE 3: A supplementary service cannot be offered to a customer as a stand alone service. It should be offered together with or in combination with a basic telecommunication service (see ITU-T Recommendation I.210) [4]

Switching and Management Infrastructure (SwMI): all of the TETRA equipment for a Voice plus Data (V+D) network

NOTE: The SwMI enables subscriber terminals to communicate with each other via the SwMI.

teleservice: type of telecommunications service that provides the complete capability, including terminal equipment functions, for communication between users according to agreed protocols

NOTE: Defined in ITU-T Recommendation I.112 [3] except for a minor change at the end.