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*European Standard (Telecommunications series)*

**Terrestrial Trunked Radio (TETRA);  
Voice plus Data (V+D);  
Part 11: Supplementary services stage 2;  
Sub-part 12: Call Hold (HOLD)**

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Reference

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All published ETSI deliverables shall include information which directs the reader to the above source of information.

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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 11, sub-part 12 of a multi-part deliverable covering the 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 300 392-11: "Supplementary services stage 2";**

- ETS 300 392-11-1: "Call Identification (CI)";
- ETS 300 392-11-2: "Call Report (CR)";
- ETS 300 392-11-3: "Talking Party Identification (TPI)";
- EN 300 392-11-4: "Call Forwarding (CF)";
- ETS 300 392-11-5: "List Search Call (LSC)";
- ETS 300 392-11-6: "Call Authorized by Dispatcher (CAD)";
- ETS 300 392-11-7: "Short Number Addressing (SNA)";
- EN 300 392-11-8: "Area Selection (AS)";
- ETS 300 392-11-9: "Access Priority (AP)";
- EN 300 392-11-10: "Priority Call (PC)";
- ETS 300 392-11-11: "Call Waiting (CW)";
- EN 300 392-11-12: "Call Hold (CH)";**
- EN 300 392-11-12: "Call Hold (CH)";
- ETS 300 392-11-13: "Call Completion to Busy Subscriber (CCBS)";

- EN 300 392-11-14: "Late Entry (LE)";
- ETS 300 392-11-16: "Pre-emptive Priority Call (PPC)";
- EN 300 392-11-17: "Include Call (IC)";
- EN 300 392-11-18: "Barring of Outgoing Calls (BOC)";
- EN 300 392-11-19: "Barring of Incoming Calls (BIC)";
- ETS 300 392-11-20: "Discreet Listening (DL)";
- EN 300 392-11-21: "Ambience Listening (AL)";
- ETS 300 392-11-22: "Dynamic Group Number Assignment (DGNA)";
- ETS 300 392-11-23: "Call Completion on No Reply (CCNR)";
- ETS 300 392-11-24: "Call Retention (CRT)";
- 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".

<b>Proposed national transposition dates</b>	
Date of latest announcement of this EN (doa):	31 August 2003
Date of latest publication of new National Standard or endorsement of this EN (dop/e):	29 February 2004
Date of withdrawal of any conflicting National Standard (dow):	29 February 2004

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# 1 Scope

The present document specifies the stage 2 description of the Supplementary Service Call Hold (SS-HOLD) for the Terrestrial Trunked Radio (TETRA).

SS-HOLD enables a user to interrupt communication on an existing call and then subsequently, if desired, re-establish communication.

Man-Machine Interface (MMI) and charging principles are outside of the scope of the present document.

Supplementary service specifications are produced in three stages according to the method defined in ITU-T Recommendation I.130 [1]. The stage 2 description identifies the functional capabilities and the information flows needed to support the supplementary service as specified in its stage 1 description (see EN 300 392-10-12 [7]). The stage 2 description is followed by the stage 3 description, which specifies the protocols at the air interface and at the various Inter-System Interfaces (ISI) to support the service.

The present document is applicable to TETRA Voice plus Data terminal equipment and networks.

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# 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] ITU-T Recommendation I.130: "Method for the characterization of telecommunication services supported by an ISDN and network capabilities of an ISDN".
- [2] ETSI EN 300 392-1: "Terrestrial Trunked Radio (TETRA); Voice plus Data (V+D); Part 1: General network design".
- [3] ETSI EN 300 392-2: "Terrestrial Trunked Radio (TETRA); Voice plus Data (V+D); Part 2: Air Interface (AI)".
- [4] ETSI EN 300 392-3-2: "Terrestrial Trunked Radio (TETRA); Voice plus Data (V+D); Part 3: Interworking at the Inter-System Interface (ISI); Sub-part 2: Additional Network Feature Individual Call (ANF-ISIIC)".
- [5] ETSI EN 300 392-3-5: "Terrestrial Trunked Radio (TETRA); Voice plus Data (V+D); Part 3: Interworking at the Inter-System Interface (ISI); Sub-part 5: Additional Network Feature for Mobility Management (ANF-ISIMM)".
- [6] ETSI EN 300 392-9: "Terrestrial Trunked Radio (TETRA); Voice plus Data (V+D); Part 9: General requirements for supplementary services".
- [7] ETSI EN 300 392-10-12: "Terrestrial Trunked Radio (TETRA); Voice plus Data (V+D); Part 10: Supplementary services stage 1; Sub-part 12: Call Hold (CH)".
- [8] ETSI EN 300 392-12-12: "Terrestrial Trunked Radio (TETRA); Voice plus Data (V+D); Part 12: Supplementary services stage 3; Sub-part 12: Call Hold (CH)".