



EUROPEAN
TELECOMMUNICATION
STANDARD

ETS 300 392-10-01

April 1996

Source: ETSI TC-RES

Reference: DE/RES-06001-10-01

ICS: 33.020, 33.060.50

Key words: TETRA, V+D

**Radio Equipment and Systems (RES);
Trans-European Trunked Radio (TETRA);
Voice plus Data (V+D);
Part 10: Supplementary services stage 1;
Part 10-01: Call identification**

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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: "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: "PICS Proforma", (DE/RES-06001-14).
- 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
Date of latest publication of new National Standard or endorsement of this ETS (dop/e):	31 January 1997
Date of withdrawal of any conflicting National Standard (dow):	31 January 1997

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1 Scope

This European Telecommunication Standard (ETS) is a delta document detailing the deviations of the Trans-European Trunked RAdio (TETRA) Calling Line Identification Presentation (CLIP), Calling/Connected Line Identification Restriction (CLIR), Connected Line Identification Presentation (COLP) supplementary services from the ECMA standard stage 1 descriptions, ECMA-148 [1]. The ECMA clauses which fully apply to this ETS are referred to and only the differences of the ECMA clauses are detailed here.

This ETS applies to individual TETRA teleservices and bearer services only, excluding packet mode data services.

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] Standard ECMA-148 (1990): "Identification Supplementary Services in Private Telecommunication Networks - Specification, Functional Model and Information Flows".

3 Definitions and abbreviations

3.1 Definitions

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

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

Mobile Station (MS): A physical grouping that contains all of the mobile equipment that is used to obtain TETRA services. By definition, a mobile station contains at least one Mobile Radio Stack (MRS).

Supplementary Service (SS): A supplementary service modifies or supplements a bearer service or a teleservice. A supplementary service cannot be offered to a customer as a stand alone service. It should be offered in combination with a bearer service or a teleservice.

Switching and Management Infrastructure (SwMI): All of the TETRA equipment for a Voice plus Data (V+D) network except for subscriber terminals. The SwMI enables subscriber terminals to communicate with each other via the SwMI.

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

3.2 Abbreviations

3.2.1 General abbreviations

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

MS	Mobile Station
PICS	Protocol Implementation Conformance Statement
PTN	Private Telephone Network
SS	Supplementary Service

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

SwMI	Switching and Management Infrastructure
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TETRA	Trans-European Trunked RAdio
V+D	Voice Plus Data

3.2.2 Supplementary service abbreviations

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

CAD	Call Authorized by Dispatcher
CLIP	Calling Line Identification Presentation
CLIR	Calling/Connected Line Identification Restriction
COLP	Connected Line Identification Presentation
DL	Discreet Listening
TPI	Talking Party Identification

4 Delta stage 1 descriptions

4.1 Document ECMA-148 (1990)

ECMA Clause 1 shall apply. All references to Private Telecommunications Networks (PTNs) shall be replaced by "SwMIs".

ECMA Clause 2 shall not apply.

ECMA Clause 3 shall apply.

ECMA Clause 4 shall apply with the following amendments:

TETRA shall not support sub-addressing.

All references to Private Telecommunications Networks (PTNs) shall be replaced by "SwMIs".

4.2 Delta SS CLIP

ECMA Clause 5 shall apply with the following amendments and additions:

Subclause 5.2.2 - the sentence shall be replaced with the following: "This supplementary service is applicable to all individual basic telecommunication service excluding packet mode data.

Subclause 5.4 - the following subclauses shall be added.

5.4.3 Call report

Call identification shall not have any interaction with call report.

5.4.4 Talking party identification

Call identification shall not have any interaction with talking party identification.

5.4.5 Call forwarding unconditional

Unless restriction applies, the identity of the calling party shall be provided to the diverted-to party. In addition, unless restriction applies, the diverting party (parties if the call is diverted more than once), shall receive the identity of the calling party as part of the normal call presentation (if the call is presented prior to the invocation of diversion), and/or as part of any notification to the diverting party that a call has been diverted.

5.4.6 Call forwarding on subscriber busy

As for call forwarding unconditional.

5.4.7 Call forwarding on no reply

As for call forwarding unconditional.

5.4.8 Call forwarding on not reachable

As for call forwarding unconditional.

5.4.9 List search call

Call identification shall not have any interaction with list search call.

5.4.10 Call authorized by dispatcher

Call identification shall not have any interaction with call authorized by dispatcher.

5.4.11 Short number addressing

Call identification shall not have any interaction with short number addressing.

5.4.12 Area selection

Call identification shall not have any interaction with area selection.

5.4.13 Access priority

Call identification shall not have any interaction with access priority.

5.4.14 Priority call

Call identification shall not have any interaction with priority call.

5.4.15 Call waiting

The user shall be presented with the identity of the calling user at the time the call waiting indication is given to the called party, unless restriction applies.

5.4.16 Call hold

Call identification shall not have any interaction with call hold.

5.4.17 Call completion to busy subscriber

Unless restriction applies, the identity of the calling party shall be provided to the called party when the call is eventually offered to that party.

5.4.18 Late entry

Call identification shall not have any interaction with late entry.

5.4.19 Transfer of control

Call identification shall not have any interaction with transfer of control.

5.4.20 Pre-emptive priority call

Call identification shall not have any interaction with pre-emptive priority call.

5.4.21 Include call

Should the user be included in an ongoing call, the identity of the calling party only shall be presented to the user.

5.4.22 Advice of charge

Call identification shall not have any interaction with advice of charge.

5.4.23 Barring of outgoing calls

Call identification shall not have any interaction with barring of outgoing calls.

5.4.24 Barring of incoming calls

Call identification shall not have any interaction with barring of incoming calls.

5.4.25 Discreet listening

The SS Discreet Listening (DL) shall take precedence over SS CLIR and the identity of the calling party shall not be presented to the parties of an ongoing call.

5.4.26 Ambience listening

Call identification shall not have any interaction with ambience listening.

5.4.27 Dynamic group number assignment

Call identification shall not have any interaction with dynamic group number assignment.

5.4.28 Call completion on no reply

Unless restriction applies, the identity of the calling party shall be provided to the called party when the call is eventually offered to that party.

5.4.29 Call retention

Call identification shall not have any interaction with call retention.

Clause 6 shall apply.

Clause 7 shall apply.

4.3 Delta SS COLP

ECMA Clause 8 shall apply with the following amendments and additions.

Subclause 8.2.2 - the sentence shall be replaced with the following: "This supplementary service is applicable to all individual basic telecommunication service excluding packet mode data".

Subclause 8.4 - the following subclauses shall be added.

8.4.3 Call report

Call identification shall not have any interaction with call report.

8.4.4 Talking party identification

Call identification shall not have any interaction with talking party identification.

8.4.5 Call forwarding unconditional

Unless restriction applies, the calling party receives the identity of the final connected party, after all diversions have taken place. Restriction, in this case includes not only connected line identification restriction invoked at the final connected party, but also any restriction imposed by the diverting party on calling party notification that diversion has taken place.

NOTE: Unless restriction applies, the calling party receives the identity of the final connected party, after all diversions have taken place. Restriction, in this case, includes not only connected line identification restriction invoked at the final connected party, but also any restriction imposed by the diverting party on calling party notification that diversion has taken place.

8.4.6 Call forwarding on subscriber busy

As for call forwarding unconditional.

8.4.7 Call forwarding on no reply

As for call forwarding unconditional.

8.4.8 Call forwarding on not reachable

As for call forwarding unconditional.

8.4.9 List search call

Call identification shall not have any interaction with list search call.

8.4.10 Call authorized by dispatcher

Call identification shall not have any interaction with call authorized by dispatcher.

8.4.11 Short number addressing

Call identification shall not have any interaction with short number addressing.

8.4.12 Area selection

Call identification shall not have any interaction with area selection.

8.4.13 Access priority

Call identification shall not have any interaction with access priority.

8.4.14 Priority call

Call identification shall not have any interaction with priority call.

8.4.15 Call waiting

The identity of the connected party shall not be presented to the calling party, until the connected party accepts the call, unless identification restriction applies.

8.4.16 Call hold

Call identification shall not have any interaction with call hold.

8.4.17 Call completion to busy subscriber

Unless restriction applies, the calling party shall receive the identity of the party connected to when the call is eventually set-up.

8.4.18 Late entry

Call identification shall not have any interaction with late entry.

8.4.19 Transfer of control

Call identification shall not have any interaction with transfer of control.

8.4.20 Pre-emptive priority call

Call identification shall not have any interaction with pre-emptive priority call.

8.4.21 Include call

Call identification shall not have any interaction with include call.

8.4.22 Advice of charge

Call identification shall not have any interaction with advice of charge.

8.4.23 Barring of outgoing calls

Call identification shall not have any interaction with barring of outgoing calls.

8.4.24 Barring of incoming calls

Call identification shall not have any interaction with barring of incoming calls.

8.4.25 Discreet listening

Should a discreet listening call be made to an ongoing call, no indication of the discreet listening party shall be given to the parties of the ongoing call. The SS DL takes precedence, even though one/any of the ongoing call users have a service profile which permits the override of connected line identification restriction.

8.4.26 Ambience listening

Call identification shall not have any interaction with ambience listening.

8.4.27 Dynamic group number assignment

Call identification shall not have any interaction with dynamic group number assignment.

8.4.28 Call completion on no reply

Unless restriction applies, the calling party shall receive the identity of the party connected to when the call is eventually set-up.

8.4.29 Call retention

Call identification shall not have any interaction with call retention.

Clause 9 shall apply.

Clause 10 shall apply.

4.4 Delta SS CLIR

Subclause 11 shall apply with the following amendments and additions.

Subclause 11.2.2 - the sentence shall be replaced with the following: "This supplementary service is applicable to all individual basic telecommunication service excluding packet mode data".

Subclause 11.4 - the following subclauses shall be added.

11.4.3 Call report

Call identification shall not have any interaction with call report.

11.4.4 Talking party identification

In the case where SS Talking Party Identification (TPI) has been activated, then SS CLIR shall take precedence. The identity of the party who has activated SS CLIR shall not be given to the other members of the group.

11.4.5 Call forwarding unconditional

When call forwarding occurs, the identity of a calling PTN user who has invoked restriction (automatically or on request from the PTN user) shall not be presented to the diverting party or the diverted-to party, except for the case of a diverting party or diverted-to party with an override service profile.

A diverted-to PTN user who has invoked restriction (automatically or on request from the PTN user) shall not have his identity presented to the calling party, either as SS COLP or as part of a notification of diversion, unless the calling party has an override service profile. A diverted-to party who is provided with SS CLIR temporary mode shall not have his identity revealed to the calling party as part of notification of diversion until the diverted-to party has responded and it is known that restriction is not to be invoked, unless the calling party has an override service profile.

NOTE: The invocation of SS CLIR at the diverting party has no impact on the presentation of the diverting party's number to the calling party or to the diverted-to party. These presentations are governed by options in the various diversion services.

11.4.6 Call forwarding on subscriber busy

As for call forwarding unconditional.

11.4.7 Call forwarding on no reply

As for call forwarding unconditional.

11.4.8 Call forwarding on not reachable

As for call forwarding unconditional.

11.4.9 List search call

Call identification shall not have any interaction with list search call.

11.4.10 Call authorized by dispatcher

When outgoing calls are completed via dispatcher authorization, (i.e. the SS Call Authorized by Dispatcher (CAD) is activated) CLIR shall not be operative and the identity of the user shall be revealed to the dispatcher. However the SS CLIR shall be operative for incoming calls.

11.4.11 Short number addressing

Call identification shall not have any interaction with short number addressing.

11.4.12 Area selection

Call identification shall not have any interaction with area selection.

11.4.13 Access priority

Call identification shall not have any interaction with access priority.

11.4.14 Priority call

Call identification shall not have any interaction with priority call.

11.4.15 Call waiting

Call identification shall not have any interaction with call waiting.

11.4.16 Call hold

Call identification shall not have any interaction with call hold.

11.4.17 Call completion to busy subscriber

Call identification shall not have any interaction with call completion to busy subscriber.

Neither identification shall be given.

11.4.18 Late entry

Call identification shall not have any interaction with late entry.

11.4.19 Transfer of control

Call identification shall not have any interaction with transfer of control.

11.4.20 Pre-emptive priority call

Call identification shall not have any interaction with pre-emptive priority call.

11.4.21 Include call

Call identification shall not have any interaction with include call.

11.4.22 Advice of charge

Call identification shall not have any interaction with advice of charge.

11.4.23 Barring of outgoing calls

Call identification shall not have any interaction with barring of outgoing calls.

11.4.24 Barring of incoming calls

Call identification shall not have any interaction with barring of incoming calls.

11.4.25 Discreet listening

A user who has invoked a discreet listening call shall take precedence over CLIR activated at the called users service profile and the identity of the called user shall be revealed.

11.4.26 Ambience listening

Dispatcher invoked:

Call identification shall not have any interaction with ambience listening.

Should the dispatcher invoke the SS "ambience listening", in order to monitor activity in a terminal of interest, then the dispatcher's number shall not be presented to the listened-to party.

Self invoked:

Should the user invoke the SS "ambience listening" in order that another party may listen to his activity, then his number shall be presented to the called party, even though the SS CLIR may be activated in the users service profile.

11.4.27 Dynamic group number assignment

Call identification shall not have any interaction with dynamic group number assignment.

11.4.28 Call completion on no reply

Call identification shall not have any interaction with call completion on no reply.

Neither identification shall be given.

11.4.29 Call retention

Call identification shall not have any interaction with call retention.

Clause 12 shall apply.

Clause 13 shall apply.

History

Document history			
November 1994	Public Enquiry	PE 73:	1994-11-07 to 1995-03-03
December 1995	Vote	V 94:	1995-12-27 to 1996-02-16
April 1996	First Edition		