



INTERNATIONAL TELECOMMUNICATION UNION

# ITU-T

TELECOMMUNICATION  
STANDARDIZATION SECTOR  
OF ITU

# V.150.1

**Corrigendum 1**  
(07/2003)

SERIES V: DATA COMMUNICATION OVER THE  
TELEPHONE NETWORK

Interworking with other networks

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Procedures for the end-to-end connection of  
V-series DCEs over an IP network

**Corrigendum 1**

***CAUTION !***

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**Corrigendum to Recommendation V.150.1 - Procedures for the end-to-end connection of V-series DCEs over an IP network**

**ABSTRACT**

*This corrigendum to V.150.1 adds clarification to terms used in V.150.1, corrects an error in one of the SDL diagrams, defines the scope of SSE Reason Identifier Codes, clarifies the use of the SSE p-prime signal and makes some corrections to the SDP as described in Annex E.*

## CORRIGENDUM TO V.150.1

### PROCEDURES FOR THE END-TO-END CONNECTION OF V-SERIES DCES OVER AN IP NETWORK

#### CORRIGENDUM 1

##### Introduction

The following corrections and clarifications are to be made to the 2003 version of V.150.1

- 1) To Section 3, Definitions, insert the following definition

**Call Discrimination Time-out Timer:** An optional timer that is started on receipt of a modem signal (such as an answer tone) and stopped on the basis of criteria in the Call Discrimination SDL diagrams in this Recommendation.

- 2) Figure 27/V.150.1 is to be replaced with the following version. This corrects the use of an incorrect SDL primitive.

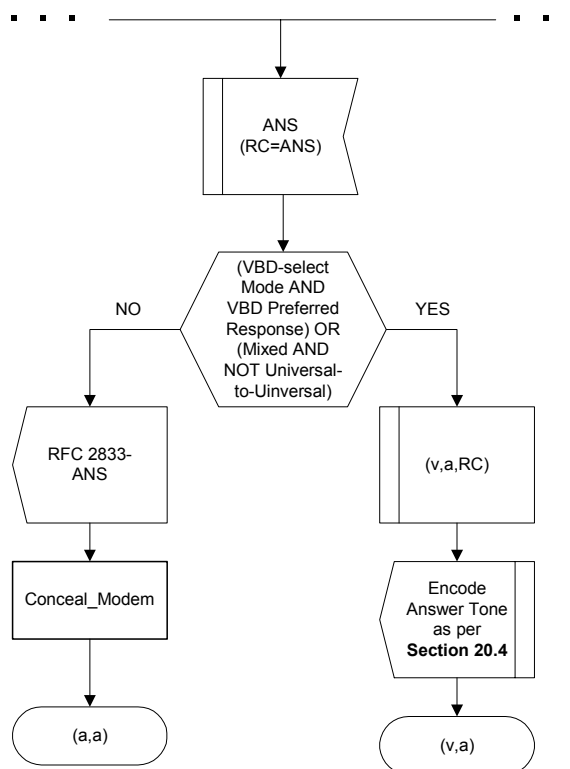


Figure 1/V.150.1 - SDL for State (a,a) part 2

- 3) Insert the following new text as the final and third paragraph of clause C.1.

Associated with the SSE media state are sets of Reason Identifier codes (RIC) (see clause C.3.2). The definitions of these RIC are specific to the media state application. An application may define its own unique set of RICs. The exception is for the VBD and Modem Relay states that share the same RIC set as defined in this Recommendation. Any additions or changes to either the VBD or MR RIC set shall be documented within this Recommendation.

- 4) Add new section C.5.3.3.

### **C.5.3.3 The use of the P' RIC**

This recommendation defines a RIC called P' which is used by the SSE protocol to indicate that a Gateway sending the P' RIC is following the rule defined in this Annex, whereby a Gateway sends such an indication upon recognizing that the remote Gateways SSE protocol state has changed.

- 5) In Section C.2.1, "Initial Audio State", change:

“While in the initial audio state, an audio codec conforming to the RTP/AVP profile must be used.”

To

“While in the initial audio state, an audio codec that conforms to the Real-time Transfer Protocol (RTP) and has been negotiated by both gateways must be used.”

- 6) Replace section C.5.2 with the revised text and table C.1

### **C.5.2 List of State Signalling Events**

The encoding of events indicating the media states defined in clause C.2 is shown in Table C.1 below. The encoding is the same regardless of whether an endpoint or media gateway is indicating its local media state, or its perception of the remote media state.

A Gateway that supports the SSE protocol for MoIP must be able to understand events 1-3. The ability to understand the remaining events shall not be presumed unless they are explicitly declared at call establishment

TABLE C.1/V.150.1  
**Coding of the Media States**

Event Encoding (Decimal)	Indicated Media State
0	Reserved for future use by ITU-T
1	Initial Audio
2	Voice Band Data (VBD)
3	Modem Relay

4	Fax Relay
5	Text Relay
6-31	Reserved for future use by ITU-T
32 - 63	Vendor-defined

7) Following the title of Annex E insert the following Heading,

### **E.1 Scope**

above the sentence

*"This section describes the representation of information without which an SPRT based modem relay capability cannot be described."*

8) Replace the text contained in clause E.1.3

The supported events are listed as comma-separated elements. Each element can either be a single integer, or two integers separated by a hyphen. In the latter case, a range of events is indicated. No white space is allowed. Lists with one element are permitted.

For example,

```
m=audio 3456 RTP/AVP 0 15 96
a=rtpmap:96 v150fw/8000
a=fmtp:96 0-5
```

indicates support for the mandatory events 0 through 4, and the optional event 5. When this optional 'fmtp' attribute is omitted, support of all mandatory events (0 through 4) as defined in Table C.1 of Annex C is implied by default.

With the following version;

The supported events are listed as comma-separated elements. Each element can either be a single integer, or two integers separated by a hyphen. In the latter case, a range of events is indicated. No white space is allowed. Lists with one element are permitted. The V.150.1 events 1 through 3 need not be explicitly declared in the SDP.

For example,

```
m=audio 3456 RTP/AVP 0 15 96
a=rtpmap:96 v150fw/8000
a=fmtp:96 4,5
```

indicates support for the V.150.1 events 1 through 3, and events 4 and 5. When this optional 'fmtp' attribute is omitted, support of events 1 through 3 as defined in Table C.1 of Annex C is implied by default.

9) In the second paragraph following the list of Abbreviations in Annex E, change the sentence;

“SDP objects that are normally needed to describe RTP/AVP media are not redefined here.”  
to

“SDP objects that are normally needed to describe RTP media are not redefined here.”

10) In Section E.1.4, change:

“In the context of VBD declaration, the <format> must be an RTP/AVP payload type. The <parameter list> is a semicolon-separated list of "parameter=value" pairs. For RTP/AVP formats, these pairs address parameters that are not part of their standard MIME definition.”

to

“In the context of VBD declaration, the <format> must be an RTP payload type. The <parameter list> is a semicolon-separated list of "parameter=value" pairs. For RTP formats, these pairs address parameters that are not part of their standard MIME definition.”

11) In Section E.2.1, change:

“As with any RTP/AVP payload format, codecs marked for VBD treatment may be subject to:”

to

“As with any RTP payload format, codecs marked for VBD treatment may be subject to:”

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