

Implementation Status Of SDP

Status of this Memo

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Abstract

This document is written to track implementations of the features of the Session Description Protocol (SDP).

Conventions used in this document

This document is not intended to be normative, and therefore makes no reference to [RFC 2119](#) conventions.

1 Introduction

The table which follows uses this definition of interoperability: transfer of a correctly composed and formatted session description from a sender to a receiver, where the latter demonstrates understanding of the description at the syntactic and semantic level.

2 Interworking test cases

References are to sections in [draft-ietf-mmusic-sdp-new-11.txt](#). Test cases are in alphabetical order by record type (with general cases coming first).

Case Section Record Description

Reports

- | | | | |
|---|-----|----|---|
| 1 | 4.4 | | Interoperable transfer of a session description using the application/sdp MIME type. [Should there be further breakout by type of transport?] |
| 2 | 6 | | Session description consisting only of a session-level section. |
| 3 | 6 | | Session description consisting of a session-level section followed by exactly one media-level section. |
| 4 | 6 | | Session description consisting of a session-level section followed by multiple media-level sections. |
| 5 | 6 | | Session description containing a <type>= line where <type> is not understood by the receiver. |
| 6 | 6 | a= | Session description with a session-level a= line. |

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|----|---|----|--|
| 7 | 6 | a= | Session description without a session-level a= line. |
| 8 | 6 | a= | Session description containing a media description with one or more a= lines, at least one of which over-rides a corresponding attribute at the session level. |
| 9 | 6 | a= | Session description containing a media description with one or more a= lines, none of which over-rides a corresponding attribute at the session level. |
| 10 | 6 | a= | Session description containing a media description with no a= lines. |
| 11 | 6 | a= | Session description containing an a=<attribute> where <attribute> is not understood by the receiver. |
| 12 | 6 | a= | Session description containing an a= line with an attribute the value of which is non-ASCII. |
| 13 | 6 | a= | Session description containing an a= line with an attribute the value of which is affected by the charset parameter. |

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|----|---|----|---|
| 14 | 6 | a= | Session description containing an a= line with the rtpmap: attribute. |
| 15 | 6 | a= | Session description containing an a= line with the fmp: attribute. |
| 16 | 6 | a= | Session description containing an a= line with the cat: attribute. |
| 17 | 6 | a= | Session description containing an a= line with the keywds: attribute. |
| 18 | 6 | a= | Session description containing an a= line with the tool: attribute. |
| 19 | 6 | a= | Session description containing an a= line with the ptime: attribute. |
| 20 | 6 | a= | Session description containing an a= line with the maxptime: attribute. |
| 21 | 6 | a= | Session description containing an a= line with the sendrecv attribute. |
| 22 | 6 | a= | Session description containing an a= line with the sendonly attribute. |
| 23 | 6 | a= | Session description containing an a= line with the inactive attribute. |

- 24 6 a= Session description containing an a= line with the recvonly attribute.
- 25 6 a= Session description containing an a= line with the orient:portrait attribute.
- 26 6 a= Session description containing an a= line with the orient:landscape attribute.
- 27 6 a= Session description containing an a= line with the orient:seascape attribute.
- 28 6 a= Session description containing an a= line with the type: attribute. [Should we check each of the suggested types?]
- 29 6 a= Session description containing an a= line with the charset: attribute.
- 30 6 a= Session description containing an a= line with the sdplang: attribute.
- 31 6 a= Session description containing an a= line with the lang: attribute.

- 32 6 a= Session description containing an a= line with the framerate: attribute.
- 33 6 a= Session description containing an a= line with the quality: attribute.
- 34 6 b= Session description with a session-level b= line.
- 35 6 b= Session description without a session-level b= line.
- 36 6 b= Session description containing a media description with a b= line which overrides a session-level b= line. [or is this the semantics??]
- 37 6 b= Session description containing a media description with a b= line where there is no session-level b= line.
- 38 6 b= Session description containing a media description without a b= line.
- 39 6 b= Session description containing a b= line with an AS modifier.
- 40 6 b= Session description containing a b= line with a CT modifier.

- 41 6 b= Session description containing a b= line with an experimental modifier which is understood by the receiver.
- 42 6 b= Session description containing a b= line with an experimental modifier which is not understood by the receiver.
- 43 6 c= Session description with a session-level c= line.
- 44 6 c= Session description without a session-level c= line.
- 45 6 c= Session description containing a media description with a c= line which overrides a session-level c= line.
- 46 6 c= Session description containing a media description with a c= line where there is no session-level c= line.
- 47 6 c= Session description containing a media description without a c= line.
- 48 6 c= Session description containing a c= line with an IP4 unicast address.

- 49 6 c= Session description containing a c= line with a single IP4 multicast address (with TTL scope).
- 50 6 c= Session description containing a c= line (at the media description level) with multiple contiguous IP4 multicast addresses (with TTL scope).
- 51 6 c= Session description containing a c= line with an IP6 unicast address.
- 52 6 c= Session description containing a c= line with one IP6 multicast address.
- 53 6 c= Session description containing a c= line (at the media description level) with multiple contiguous IP6 multicast addresses.
- 54 6 e= Session description with a session-level e= line.
- 55 6 e= Session description without a session-level e= line.
- 56 6 e= Session description containing multiple E-mail fields.

- 57 6 e= Session description containing an e= line with a contact name string in parentheses.
- 58 6 e= Session description containing an e= line with a contact name string with [RFC 822](#) quoting.
- 59 6 i= Session description with a session-level i= line.
- 60 6 i= Session description without a session-level i= line.
- 61 6 i= Session description containing a media description with an i= line.
- 62 6 i= Session description containing a media description without an i= line.
- 63 6 i= Session description containing an i= line at the session level with non-ASCII contents.
- 64 6 i= Session description containing an i= line at the media level with non-ASCII contents.

- 65 6 k= Session description containing a media description with a k= line which overrides a session-level k= line. Note: not clear whether this is allowed.
- 66 6 k= Session description containing a media description with a k= line where there is no session-level k= line.
- 67 6 k= Session description containing a media description without a k= line.
- 68 6 k= Session description containing a k= line using the clear method.
- 69 6 k= Session description containing a k= line using the base64 method.
- 70 6 k= Session description containing a k= line using the uri method.
- 71 6 k= Session description containing a k= line using the prompt method.
- 72 6 m= Session description containing an m= line where <media> has value "audio".
- 73 6 m= Session description containing an m= line where <media> has value "video".

- 74 6 m= Session description containing an m= line where <media> has value "application".
- 75 6 m= Session description containing an m= line where <media> has value "data".
- 76 6 m= Session description containing an m= line where <media> has value "control".
- 77 6 m= Session description containing an m= line where a single port is given.
- 78 6 m= Session description containing an m= line where multiple ports are given, and only one address is specified on the c= line.
- 79 6 m= Session description containing an m= line where multiple ports are given, and multiple addresses are specified on the c= line.
- 80 6 m= Session description containing an m= line where <transport> has value "RTP/AVP".
- 81 6 m= Session description containing an m= line where <transport> has value "udp".

- 82 6 m= Session description containing an m= line where <format> consists of a single RTP payload type number.
- 83 6 m= Session description containing an m= line where <format> consists of a multiple RTP payload type numbers.
- 84 6 m= Session description containing an m= line where <format> consists of a single MIME sub-type.
- 85 6 m= Session description containing an m= line where <format> consists of multiple MIME sub-types.
- 86 6 m= Session description containing an m= line where <format> consists of a mixture of RTP payload type numbers and MIME sub-types.
- 82 6 o= Session description containing an o= line with an username equal to "-".
- 83 6 o= Session description containing an o= line with a session Id consisting of an NTP timestamp.

- 84 6 o= Session description containing an o=
line with a session Id not derived from
an NTP timestamp.
- 85 6 o= Session description containing an o=
line with a network type other than
"IN".
- 86 6 o= Session description containing an o=
line with an address type of "IP4".
- 87 6 o= Session description containing an o=
line with an address type of "IP6".
- 88 6 o= Session description containing an o=
line with an address type other than
"IP4" or "IP6".
- 89 6 o= Session description containing an o=
line with an address in the form of a
fully qualified domain name.
- 90 6 o= Session description containing an o=
line with an address in the form of the
dotted-decimal representation of the IP
version 4 address of the machine.
- 91 6 o= Session description containing an o=
line with an address in the form of the
compressed textual representation of
the IP version 6 address of the
machine.

- 92 6 o= Session description containing an s= line with a non-blank session description.
- 93 6 o= Session description containing an s= line with a single blank for the session description.
- 94 6 p= Session description with a session-level p= line.
- 95 6 p= Session description without a session-level p= line.
- 96 6 p= Session description containing multiple phone fields.
- 97 6 p= Session description containing a p= line with a contact name string in parentheses.
- 98 6 p= Session description containing a p= line with a contact name string with [RFC 822](#) quoting.
- 99 6 r= Session description with an r= line in the time description.

- 100 6 r= Session description without an r= line in the time description.
- 101 6 r= Session description containing an r= line with a time unit character appended to the repeat interval.
- 102 6 r= Session description containing an r= line with a time unit character appended to the active duration interval.
- 103 6 r= Session description containing an r= line with a time unit character appended to an offset.
- 104 6 r= Session description containing an r= line with a "d" time unit character.
- 105 6 r= Session description containing an r= line with an "h" time unit character.
- 106 6 r= Session description containing an r= line with an "m" time unit character.
- 107 6 r= Session description containing an r= line with an "s" time unit character.
- 108 6 r= Session description containing an r= line with a single offset.

- 109 6 r= Session description containing an r= line with two offsets.
- 110 6 r= Session description containing an r= line with more than two offsets.
- 111 6 s= Session description containing an s= line with non-ASCII contents.
- 112 6 t= Session description containing multiple t= lines.
- 113 6 t= Session description containing a t= line with a non-zero start time.
- 114 6 t= Session description containing a t= line with a zero start time.
- 115 6 t= Session description containing a t= line with a non-zero stop time.
- 116 6 t= Session description containing a t= line with a zero stop time.
- 117 6 u= Session description with a session-level u= line.

- 118 6 u= Session description without a session-level u= line.
- 119 6 z= Session description with a session-level z= line.
- 120 6 z= Session description without a session-level z= line.
- 121 6 z= Session description with a session-level k= line.
- 122 6 z= Session description without a session-level k= line.
- 123 6 z= Session description containing a z= line with a single adjustment.
- 124 6 z= Session description containing a z= line with multiple adjustments.

6 Security Considerations

This document adds no security considerations beyond those already presented in [draft-ietf-mmusic-sdp-new-11.txt](#).

7 References

1. Bradner, S., "The Internet Standards Process -- Revision 3", [BCP 9](#), [RFC 2026](#), October 1996.

2. Handley, M. et al, "SDP: Session Description Protocol", [draft-ietf-mmusic-sdp-new-11.txt](#), November 2002.

8 Acknowledgments

TBD

9 Author's Addresses

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