

IANA SDP Attributes

IETF #95 Buenos Aires

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Current SDP Parameter Registry

- <http://www.iana.org/assignments/sdp-parameters/sdp-parameters.xhtml>
 - [att-field \(session level\)](#) (25 reg.) (6 non-IETF)
 - [att-field \(both session and media level\)](#) (68 reg.) (4 non-IETF)
 - [att-field \(media level only\)](#) (152 reg.) (26 non-IETF)
 - [att-field \(source level\)](#) (5 reg.)
 - [att-field \(unknown level\)](#) (0 reg.)
- + content SDP Parameters, Group SDP semantic, “rtcp-fb”, “ack” & “nack”, “depend”, “cs-correlation”, “ssrc-group” SDP attribute values

Current Format

Type	SDP Name	Reference
att-field (both session and media level)	recvonly	[RFC4566]

draft-ietf-mmusic-rfc4566bis

- 8.2.4. Attribute Names ("att-field")
 - Contact name, email address, and telephone number.
 - Attribute name (as it will appear in SDP).
 - Attribute value: The name of an ABNF syntax rule defining the syntax of the value. Absence of a rule name indicates that the attribute takes no value. Enclosing the rule name in "[" and "]" indicates that a value is optional.
 - Usage level of the attribute. (One or more of: session, media, source).
 - Whether the attribute value is subject to the charset attribute.
 - An ABNF definition of the attribute value rule. The rule MUST NOT match anything that is not also matched by <att-value>. The rule name MUST NOT be defined as an Incremental Alternative to <att-value>.
 - An explanation of the purpose and usage of the attribute.
 - A specification of appropriate attribute values for this attribute (If not included in syntax).
 - Offer/Answer procedures as explained in [RFC3264].
 - Indication of which "category" [I-D.ietf-mmusic-sdp-mux-attributes] an attribute is associated with.

Proposed new format

SDP Name	Level(s)	Reference(s)
an-attribute	Session, media, source	[RFC1234]

Issues #1

- Is a registry a device to maintain unique names or something more for implementers?
E.g. a place to look up information about messages.
- Is more information needed on the IANA registration?

Issue #2

- Currently only NEW attributes are added.
- What about new USES of existing attributes?
E.g. RFC 4145 defines a=setup, a=connection
- Reused by:
 - RFC4572 TCP/TLS
 - draft-ietf-mmusic-sctp-sdp
 - draft-ietf-mmusic-dtls-sdp
 - Layer additional behaviour or add limits
- Retrospective updates?

Issue #3

- draft-ietf-mmusic-data-channel-sdpneg
 - Introduces a=dsca attribute allowing existing or new attributes to be used at a “data channel level” dependent on protocol.
 - Should “data channel (dsca)” be a new “SDP Level”?
 - Should the level also include the subprotocol? E.g.

SDP Name	Level(s)	Reference(s)
accept-types	media, dsca(MSRP)	[RFC4975] [draft-ietf-mmusic-msrp- usage-data-channel]