JF-IETF-RFC5939

SDP のケーパビリティ・ネゴシエーション

Ⅰ．＜概要＞

本標準は、RFC3264 に記述されている SDP のネゴシエーション手順で実現可能である範囲を越えたネゴシエーション手順を規定する。SDP とネゴシエーション手順が規定されて以来、その用途は広がりつつあり、トランスポートプロトコルや各種属性のネゴシエーション手順が求められている。本標準では、SDP を拡張してこれらのネゴシエーションを実現するオファー／アンサー手順を規定する。

Ⅱ．＜参考＞

1．国際勧告等との関係

　本標準は、IETF において制定された RFC5939 に準拠している。

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Session Description Protocol (SDP)Capability Negotiation

Ⅰ.＜Overview＞

The Session Description Protocol (SDP) was intended to describe multimedia sessions for the purposes of session announcement, session invitation, and other forms of multimedia session initiation. SDP was not intended to provide capability indication or capability negotiation; however, over the years, SDP has seen widespread adoption and as a result it has been gradually extended to provide limited support for these, notably in the form of the offer/answer model defined in RFC 3264. SDP does not define how to negotiate one or more alternative transport protocols (e.g., RTP profiles) or attributes. This makes it difficult to deploy new RTP profiles such as Secure RTP or RTP with RTCP-based feedback, negotiate use of different security keying mechanisms, etc. It also presents problems for some forms of media negotiation.

The purpose of this document is to address these shortcomings by extending SDP with capability negotiation parameters and associated offer/answer procedures to use those parameters in a backwards compatible manner.

The document defines a general SDP Capability Negotiation framework. It also specifies how to provide attributes and transport protocols as capabilities and negotiate them using the framework. Extensions for other types of capabilities (e.g., media types and media formats) may be provided in other documents.

Ⅱ.＜References＞

1. Relation with international standards

This standard just refers to IETF RFC5939.

2．追加項目等

2.1 オプション選択項目

　特になし

2.2 ナショナルマター項目

　特になし

2.3 原標準に対する変更項目

　特になし

3．改版の履歴

版数	制定日	改版内容
1.0	2013.5.23	制定

4．標準作成部門

　信号制御専門委員会

Ⅲ．＜本標準で規定する内容＞

　本標準で規定する内容は下記の IETF RFC による。

F． Andreasen，"Session Description Protocol（SDP） Capability Negotiation"，
RFC5939, September 2010

2. Departures with international standards

2.1 Selection of optional items

None.

2.2 Definition of national matter items

None.

2.3 Modification items to the original standard

None.

3. Change history

Version	Date	Outline
1.0	2013.5.23	Published

4. Working Group that developed this standard

Signaling Working Group

Ⅲ.＜Normative Reference＞

This standard just refers to the following IETF RFC.

F. Andreasen, "Session Description Protocol（SDP）Capability Negotiation", RFC5939,
September 2010