

# SDP Simple Capability Negotiation (SDP Simcap)

draft-andreasen-mmusic-sdp-simcap-reqts-00.txt

draft-andreasen-mmusic-sdp-simcap-01.txt

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# Background

- SDP describes sessions, but doesn't do capability negotiation.
- SDPng will address this, however
  - Work in progress
  - Existing base of SDP users
  - Real-life problems today

# SDP Simcap

- SDP Simple Capability Negotiation:
  - Enable SDP to provide a minimal and backwards compatible capability negotiation mechanism.
- 00 version presented at 49th IETF:
  - Requirements
  - Proposed solution
- Consensus to move ahead with:
  - Requirements list discussion and short separate requirements I-D.
  - Updated solution.

# SDP Simcap Requirements

- List discussion on two issues:
  - Negotiation mechanism internal or external to SDP.
  - Ability to express numerical ranges in addition to simple alternatives.
- Negotiation mechanism
  - Internal:
    - Use attribute extension mechanism
  - External:
    - Use multiple SDPs as a way of listing alternatives.

# SDP Simcap Requirements, cont.

- Negotiation mechanism, cont.
  - Internal
    - Uses the normal SDP extension mechanism (attributes).
    - Seamless backwards compatible with all current users of SDP.
  - External
    - Not really an SDP issue, but a usage of SDP issue
    - Backwards compatibility issues with current users of SDP
  - Consensus to use internal mechanism, i.e. attributes.

# SDP Simcap Requirements

- Ability to express numerical ranges
  - Consensus to support
- Separate requirements draft incorporating the above, but otherwise unchanged, subsequently submitted:

`<draft-andreasen-mmusic-sdp-simcap-reqts-00.txt>`

- No additional comments on requirements.

# SDP Simcap Extension

- Updated SDP Simple Capability Negotiation document subsequently submitted (01)

`<draft-andreasen-mmusic-sdp-simcap-01.txt>`

- Changes from 00:
  - Requirements section removed
  - Two additional attributes (“cparmin” and “cparmax”) to support numerical ranges:
    - Range consists of “cparmin” and “cparmax”.
  - Minor editorial changes.
  - Everything else the same.

# Next Steps

- ...