

# Constrained Application Protocol

## draft-ietf-core-coap-07

*Z. Shelby, K. Hartke, C. Bormann, B. Frank*

# Recent Progress

- Two new document versions since Prague
- Closed 21 tickets
- Use by other SDOs
  - ETSI M2M has approved a CoAP binding
  - ZigBee SE2 exploring the use of CoAP
- Recent CoAP tools
  - Copper – The CoAP Firefox Plug-in
  - CoAP support for Wireshark

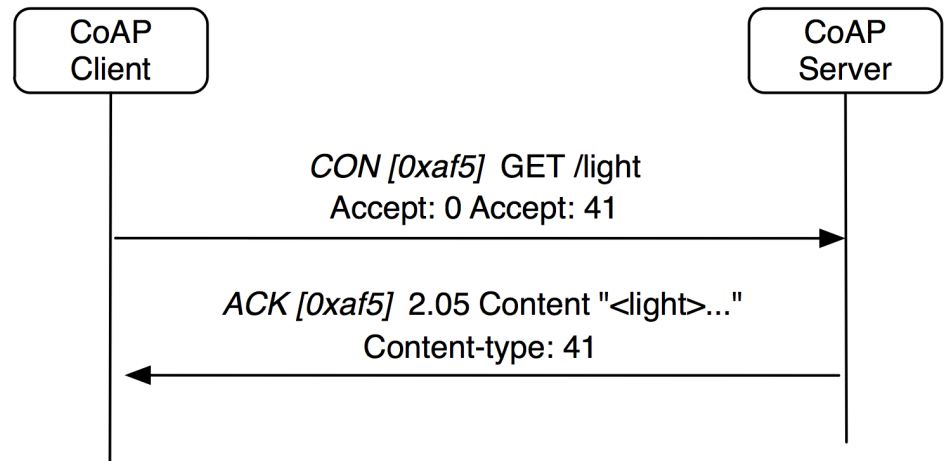
# Main Editorial Improvements

- Improved the UTF-8 language (#136)
- Added text on message and token matching rules (#151)
- Indicated DTLS as mandatory to implement security (#156)
- Further congestion control recommendations were added (#153)
- First-come-first-served policy for 2-byte media type registry added (#161)

# Main Technical Improvements

- 50% jitter added on initial retransmit timeout (#142)
- HTTP mapping section completed (#137, #164)
- Added If-Match and If-None-Match options (#155)
- Added an Accept option for content-negotiation (#163)
- Added a coaps scheme and DTLS-secured CoAP default port (#154)

# Content-Type Negotiation



- New Accept option
  - Elective
  - Multiple allowed, in order of preference
  - Server SHOULD return one of the Accept media types if available
- Proposal from Matthias and Guido:
  - Only allow a single Accept option

# Next Steps

- WGLC?