Capabilities Status

draft-ietf-roll-capabilities
ROLL IETF 110
What does the document contain?

- Capability Options that can be carried in any RPL messages
- Two specific capabilities
  - Capability Indicator flags
  - Routing Resource Capability
- Capability Query/Response signalling
- Guidelines for defining new capabilities

MUSTs:

- Handling of Capabilities MUST be supported if the network uses MOPex [I-D.ietf-roll-mopex].
Capability Options

Capabilities TLVs

Join as Leaf if cap not understood
Copy cap if not understood
Ignore msg if cap not understood

Capability Type List Option

CapType=0x01 Capability Indicators
CapType=0x02 Routing Resource

Join as Leaf if cap not understood
Copy cap if not understood
Ignore msg if cap not understood
Capability Query/Response

And the corresponding secure messages.
MOPex Status

draft-ietf-roll-mopex
What does the document contain?

- Defines MOPex
  - Base MOP == 7, expect MOPex control option to be present
- Explains handling of MOPex under various conditions
- Extending RPL control options
Extending RPL Control Options

Problem Statement: How to handle unknown RPL Control Options?

Figure 2: Extended RPL Option Format

Problem Statement: What to do if the control options is not known?
Overall Status

- No tickets open
- Received one detailed review from Dominique
- Updates were presented in the past interims too

MOPex does not have any complex handling or introduction of any new messages. Capabilities does have somewhat complex handling. MOPex is precursor for capabilities.

Can we go for LC for MOPex?