

LWIG guidance document

draft-ietf-lwig-guidance-02

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Scope

Old slide

- **Try** doing one single document
 - “Guidance for Light-Weight Implementations of the Internet Protocol Suite”
 - Could very well “roadmap out” to specific documents
- Implementation guidance only
 - Not developing/changing any protocols or services
 - **“The techniques shall [...] not affect conformance to the relevant specifications.”**
 - Not software engineering best practices
- Guidance:
 - Focus on a limited number of protocols
 - Configuring a protocol for a constrained system
 - What can be left out — what’s the bare minimum?

3.1: “Constrained”

- Distinguish 2 rough classes of constrained nodes:
 - 10 KiB data/100 KiB code (“quite constrained”)
 - 50 KiB data/250 KiB code (“not so constrained”)
- In each case, make clear which class is being targeted
- (These are a starting point for making sure we discuss from the same requirements, not exact classes.)

New section 2: terminology

- Constrained nodes
- Constrained networks
 - challenged networks
- Constrained node networks
 - LLNs
 - LoWPANs, 6LoWPANs

Proposal

- Split out 2 and 3.1 (+ some intro)
 - ➔ separate “LWIG terminology” document
- expedite this part:
 - useful not just for LWIG
 - continue to coordinate with COMAN, SOLACE, ...

Next steps: “guidance” part

- Continue to work on guidance document,
 - references the terminology document
 - might define more (guidance-specific) terminology
- Document is still sparse
- Looking for additional contributions