

Energy Efficient Implementation of IETF Constrained Protocol Suite

draft-ietf-lwig-energy-efficient-02

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Status

- Updated before IETF 92
 - Version -02 published in March 7, 2015
 - Feedback from IETF 91 session
 - Many useful comments
 - Main additions in sections 3 and 6
 - Minor changes throughout the whole document

Section 3. Radio Duty Cycling techniques (1/2)

- New subsection 3.3 entitled “Throughput”
 - Not typically a key concern in Constrained Node Networks
 - Important in some services
 - Over-The-Air software updates
 - Transfer of measurements done by off-line sensors
 - Radio Duty Cycling leads to yet another trade-off
 - Energy Vs. Throughput
- New subsection 3.4 entitled “Radio interface tuning”
 - Text previously in section 3.2
 - Better document organization

Section 3. Radio Duty cycling techniques (2/2)

- Old section 3.3 is now 3.5
 - Power save services available in low power radios
- Subsection 3.5.1
 - Title: deleted the “v” in IEEE 802.11v
 - Added text on IEEE 802.11 Power Save Mode

6. Application Layer

- Organized into three subsections
 - 6.1. Energy efficient features in CoAP
 - 6.2. Sleepy node support
 - 6.3. CoAP timers
- Subsection 6.2
 - Publish-subscribe draft
 - OMA LWM2M Queue Mode
 - oneM2M: CoAP binding with application layer mechanism for sleepy nodes

Other changes

- Old section 7
 - Was almost empty
 - Has been removed!
- Minor changes throughout the document
 - Clarifications
 - Editorial improvements
 - Two new references

Question

- Ready for Working Group Last Call?