

# Energy Efficient Implementation Guidance (Link Layer Impact to Upper Layers w.r.t E.E)

draft-hex-lwig-energy-efficient-02.txt

Zhen Cao

Xuan He

Matthias Kovatsch

Hui Tian

Carles Gomez

# History

- 00version presented in IETF 86, well received
  - Inverse way of RFC3819
  - Interesting and useful to gain knowledge of lower layers
- 01version
  - Merge with draft-kovatsch-lwig-class1-coap-00
  - Add section 3.1 about IEEE 802.11v Power Save Model
  - Ask for adoption at IETF87, supports with comments
- 02version
  - Refined it accordingly

# Document Update

1.	Introduction . . . . .	2
1.1.	Conventions used in this document . . . . .	3
1.2.	Terminology . . . . .	3
2.	Overview . . . . .	3
3.	MAC and Radio Duty Cycling . . . . .	4
3.1.	Power Save Services Provided by IEEE 802.11v . . . . .	5
3.2.	Power Save Services Provided by Bluetooth Low Energy . . . . .	6
3.3.	Power Save Services in IEEE 802.15.4 . . . . .	7
4.	IP Adaptation and Transport Layer . . . . .	7
5.	Routing Protocols . . . . .	8
6.	Application Layer . . . . .	8
7.	Cross Layer Optimization . . . . .	9
8.	Summary . . . . .	9
9.	Acknowledgments . . . . .	10
10.	IANA Considerations . . . . .	10
11.	Security Considerations . . . . .	10
12.	References . . . . .	10
12.1.	Normative References . . . . .	10
12.2.	Informative References . . . . .	11
	Authors' Addresses . . . . .	12

- Language massaged by IESG writing tutorial at IETF87 and Carles (coauthor) . THANK YOU ALL

# Next Step

WG adoption?