

IETF93 Jul 2015

DECT-ULE-02

draft-ietf-610-dect-ule-02

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DECT-ULE recap

- ETSI standard
 - originally for cordless phones
 - also for low energy data transmission
- Dedicated spectrum, long range
- See technology presentation at IETF88
<http://www.ietf.org/proceedings/88/slides/slides-88-6lo-6.pdf>

DECT-ULE news

- ETSI assigned an RFC6282 code-point
- ULA-alliance contracted development of 6lo library
 - to be offered as open source code
- part of ETSI interop test Fall 2015

Document status

- Borrows liberally from draft 6lo-btle
 - Same star topology
- Adopted by 6lo WG in June 2014
- Comments received after IETF91
- Two revisions since
 - rev -01 in Jan 2015
 - rev -02 on July 3rd 2015
- All comments addressed

Changes in -01

- RFC4944 frag/reassembly MUST NOT be used
- clarifies address registration
- only one registered address per prefix
- the 6LBR MUST include 6LoWPAN Context Option (6CO) for every prefix it advertises
- mentions that [I-D.ietf-6man-default-iids] recommendations are supported
- 6lo protocol identifier now standardized by ETSI DECT-ULE standard documents
- improves terminology

Changes in -02

- RFC6282 compression MUST be used
- explains how IID is derived from various L2 ids
- references [I-D.ietf-6man-default-iids] and RFC3972, RFC4941, RFC5535, RFC3315
- cleared normative ref to RFC4541
- references DECT-ULE Phase 2 (March 2015)
- improves terminology section

Conclusions

- Several implementations
 - Open-Source one planned Q4 '05 or Q1'06
- Commercial products
- Closely following 6lo-btle
 - Privacy DISCUSS

- WGLC?