

DTLS In Constrained Environments (DICE)

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Note Well

This summary is only meant to point you in the right direction, and doesn't have all the nuances. The IETF's IPR Policy is set forth in BCP 79; please read it carefully.

The brief summary:

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For further information, talk to a chair, ask an Area Director, or review the following:

- BCP 9 (on the Internet Standards Process)
- BCP 25 (on the Working Group processes)
- BCP 78 (on the IETF Trust)
- BCP 79 (on Intellectual Property Rights in the IETF)

Goal & Milestone Check

The scope of this WG is to define the following:

1. The first task of the working group is to define a DTLS profile that is suitable for Internet of Things applications and is reasonably implementable on many constrained devices.
2. The second task of the working group is to define how DTLS record layer can be used to transmit multicast messages securely.
3. The third task of the working group is to investigate practical issues around the DTLS handshake in constrained environments.

Goals and Milestones

Dec 2013 - WG document for DTLS for Constrained Environments profile

Dec 2013 - WG document for secure group communication for IoT

May 2014 - DTLS for IoT profile specification submitted to the IESG for publication as standards track

Jun 2014 - Secure group communication specification submitted to the IESG for publication as standards track

Agenda

- DTLS Profile [Hannes Tschofenig, Klaus Hartke] 25 Minutes
 - Overview of the ID
- Multicast draft [Sandeep Kumar] 25 Minutes
 - ID updates since Vancouver
 - Proposal for incorporation of asymmetric key & source authentication feedback
- Next Steps [Chairs] 05 Minutes