

Rechartering

WG Chairs:

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Status

WG formed October 14th, 2016

Done

- Charter item #1 (Informational document)
 - Baseline technology description
- Charter item #2 (Standards track document)
 - Enable the compression and fragmentation of a CoAP/UDP/IPv6 packet over LPWA networks

Rechartering

- After submitting SCHC IP/UDP to IESG (before IETF 103)
- Charter item #2
 - Split in 3 charter items (Standards track documents)
 - SCHC for CoAP
 - Data model for context representation
 - Documents for each baseline technology
 - New charter item (Standards track document)
 - Operations, Administration and Maintenance (OAM) of LPWAN devices (incl. delayed proxied liveness, Ping)

Charter I

1. Produce an Informational document describing and relating some selected LPWA technologies. This work will document the common characteristics and highlight actual needs that the IETF could serve; but it is not intended to provide a competitive analysis. It is expected that the information contained therein originates from and is reviewed by people who work on the respective LPWA technologies.
2. Produce a Standards Track document to enable the compression and fragmentation of a CoAP/UDP/IPv6 packet over LPWA networks. This will be achieved through stateful mechanisms, specifically designed for star topology and severely constrained links. The work will include the definition of generic data models to describe the compression and fragmentation contexts. This work may also include to define technology-specific adaptations of the generic compression/fragmentation mechanism wherever necessary.

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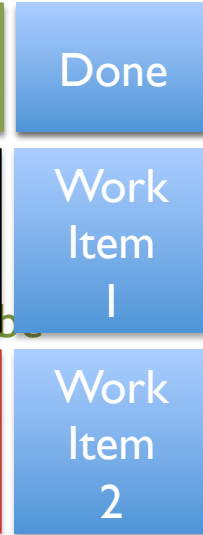


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Work
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Work Item 1

Work Item 2

Work Item 3

Charter II

1. Produce a Standards Track document to enable the compression and fragmentation of a CoAP/~~UDP/IPv6 packet~~ messages over LPWA networks. This will be achieved through stateful mechanisms, ~~specifically designed for star topology and severely constrained links~~ for a relevant subset of the possible CoAP interactions (TBD as part of the work).
2. Produce a Standards Track document to ~~The work will include the~~ define the definition of generic data models to formalize ~~describe~~ the compression and fragmentation contexts.
3. Produce Standard Track documents to apply SCHC IPv6/UDP over the baseline technologies. ~~This work may also include to define technology-specific adaptations of the generic compression/fragmentation mechanism wherever necessary.~~

Charter II

- 1 Produce a Standards Track document to enable the compression and fragmentation of a CoAP messages over LPWA networks. This will be achieved through stateful mechanisms, -for a relevant subset of the possible CoAP interactions (TBD as part of the work).
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2. Produce a Standards Track document to define the generic data models to formalize the compression and fragmentation contexts.
3. Produce Standard Track documents to apply SCHC IPv6/UDP over the baseline technologies.
4. Produce a Standards Track document to enable operations, administration and maintenance (OAM) to the LPWAN device, including support for delayed or proxied liveness verification (Ping).
5. ? IPv4 ? Other ?

From work on
ICMPv6