

# Transmission of IPv6 Packets over PLC Networks

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# Introduction of the draft

- Motivation
  - PLC (Power Line Communication) has been widely used for metering.
  - As more IPv6-based applications are implemented, the industry has requirements to transmit IPv6 packets via PLC.
- Objective: To define an IPv6 adaptation layer for constrained PLC networks based on IETF standards.
- Scope: constrained PLCs, including ITU-T G.9903, IEEE 1901.1 and IEEE 1901.2
- Started at March 7, 2017, WG adopted at Feb. 1, 2019

# Modification since IETF103

- Resubmitted as a WG draft
- Editorial modification according to Carsten's comment
  - From Carsten: The first item of work once adopted should be to clarify the relationship of this draft to the confusing PLC landscape. Section 3 mentions IEEE 1901 and G.9904, but the rest of the text doesn't seem to discuss these forms of PLC any further. This is an editorial problem, but does extend all the way to the title of the draft.
  - Section 3 gives an overview of the general PLCs, but only the constrained PLCs belong to the scope.
  - Clarification is added. If it is still confusing, section 3 can be rewritten, only focusing on constrained PLCs.

# Future work

- Header compression
  - More detailed description instead of simple reference to RFC4944 and RFC6282
  - Add reference and related description to RFC8138 (6LoWPAN routing header)
- Your feedback is always appreciated.