IEEE802.3 1PPoDL Study Group Proposed Objectives

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Objectives 1-3

- **Objective 1**
  The project will amend IEEE Std 802.3-2012 by generating a new clause.

- **Objective 2**
  The project shall maintain compatibility with 802.3bp (RTPGE).

- **Objective 3**

Specify a power distribution technique for use over a single pair of wires

Objective 4

- **The project shall not preclude operation of data and power over separate pairs.**

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Objective 5

- **Specify voltage and current level(s) to be supplied**

(Note: This includes the question of single or multiple voltages)

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Objectives 6-7

- **Objective 6**

The project will support power and voltage limits that comply with safety standards used in automotive and industrial applications whenever applicable.

- **Objective 7**

The project shall not preclude the ability to meet EMI standards.

(Note: This may be included in Objective 2 ?)

Objective 8, 9

- **Objective 8**

Investigate the need for: Detection/Classification/Disconnect/Protection/ Wake-Up protocols.

- **Objective 9**

Investigate the minimum power requirement at the load (e.g. 100mW minimum).

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Objective 10

- The project will support Startup time <100msec

(Notes:

-Might be covered by Objective 2

-Possible constrains on startup time if detection/classification, startup etc. time is required.)

Objective 11

- **The project will limit the output power to TBD at the load.**

(Note: To be discussed in regards to industrial applications, automotive, RTPGE channel max. power capability, other issues?)