Draft Objectives for Power over Data Lines

PoDL Study Group

9/2/2013
Proposed Objectives

• Specify a power distribution technique for use over a single twisted pair link segment.
• Allow for operation if data is not present.
• Support voltage and current levels for the automotive, transportation, and industrial control industries.
• Do not preclude compliance with standards used in automotive, transportation, and industrial control industries when applicable.
• Support fast-startup operation using predetermined voltage/current configurations and optional operation with run-time voltage/current configuration.
• Ensure compatibility with IEEE P802.3bp (e.g., EMI, channel definition, noise requirements).