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## myProject™ - P1675 PAR Detail

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**Submitter Email:** terrence.burns@aps.com

**Type of Project:** Modification to Approved PAR

**PAR Request Date:** 04-Feb-2008

**PAR Approval Date:** 27-Mar-2008

**PAR Expiration Date:** 31-Dec-2008

**PAR Signature Page on File:** Yes

**Status:** Modification to a Previously Approved PAR, Std 1675-0

**Project:** 1675

**Root Project:** 1675-0

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**1.1 Project Number:** P1675

**1.2 Type of Document:** Standard

**1.3 Life Cycle:** Full Use

**1.4 Is this project in ballot now?** Yes

Ballot History

**Ballot Start Date:** 2007-12-05

**Ballot Close Date:** 2008-01-05

**Response Percent:** 88

**Approval Percent:** 86

**Abstain Percent:** 10

**Draft Number:** 16

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**2.1 Title:** Standard for Broadband over Power Line Hardware

**Old Title:** Standard for Broadband over Power Line Hardware

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**3.1 Working Group:** Broadband over Power Line Working Group (PE/PSC/BPL\_WG)

**Contact Information for Working Group Chair**

Terrence Burns

Email: terrence.burns@aps.com

Phone: 602-371-6443

**Contact Information for Working Group Vice-Chair**

None

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**3.2 Sponsoring Society and Committee:** IEEE Power Engineering Society/Power System Communications (PE/PSC)

**Contact Information for Sponsor Chair**

Frances Cleveland

Email: fcleve@xanthus-consulting.com

Phone: 831 229-1043

**Contact Information for Standards Representative**

Manish Chaturvedi

Email: mchatur@sbcglobal.net

Phone: (832) 681-3368

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**4.1 Type of Ballot:** Individual

**4.2 Expected Date of Submission for Initial Sponsor Ballot:** 12/2007

**4.3 Projected Completion Date for Submittal to RevCom:** 04/2008

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**5.1 Approximate number of people expected to work on this project:** 30

**5.2 Scope:** The scope of this standard is to provide testing and verification standards for the commonly used hardware, primarily couplers and enclosures, for Broadband over Power Line (BPL) installations, and provide standard installation methods to enable compliance with applicable codes and standards. This standard does not cover repeater/node hardware, data transmission, protocols, or other aspects of BPL related to the internal workings of this technology.

**Old Scope:** The scope of this standard will be to provide testing and verification standards for the commonly used hardware, primarily couplers and enclosures, for Broadband over Power Line (BPL) installations, and provide standard installation methods to ensure compliance with applicable codes and standards. This project will not cover repeater/node hardware, data transmission, protocols, or other aspects of BPL related to the internal workings of this technology.

**5.3 Is the completion of this standard dependent upon the completion of another standard:** No

**5.4 Purpose:** The Broadband over Power Line (BPL) industry in the United States is in its infancy. For this technology to become widespread, standards must be put in place that will enable utilities to quickly develop a BPL program without the tedious task of investigating every possible hardware solution for safety and usability. A BPL standard will give both the utilities and the BPL industry the ability to confidently pursue a BPL installation. In addition, because of the nature of BPL, non-utility personnel will be working in close proximity to areas that are commonly considered off-limits to all personnel except for qualified linemen. The purpose of this standard was to provide the boundaries of what is strictly the working area for linemen only in the utility environment, and detail construction practices that will enable adherence to applicable codes and standards.

**Old Purpose** The Broadband over Power Line (BPL) industry in the United States is in its infancy. For this technology to become widespread, standards must be put in place that will enable utilities to quickly develop a BPL program without the tedious task of investigating every possible hardware solution for safety and usability. A BPL standard will give both the utilities and the BPL industry the ability to confidently pursue a BPL installation. In addition, because of the nature of BPL, non-utility personnel will be working in close proximity to areas that are commonly considered off-limits to all personnel except for qualified linemen. This standard will provide the boundaries of what is strictly the working area for linemen only in the utility environment, and detail construction practices that will provide adherence to applicable codes and standards.

**5.5 Need for the Project:** There are multiple problems this Standard will solve. Utilities require testing and verification of hardware installed on distribution lines for the safe operation of the system and the protection of personnel. Non-utility workers will be working with equipment connected to distribution equipment and require a safe working environment. The target users will be electric utilities, BPL equipment manufacturers, and ISP's who will use the BPL technology to reach customers.

**5.6 Stakeholders for the Standard:**

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### Intellectual Property

**6.1.a.** Has the IEEE-SA policy on intellectual property been presented to those responsible for preparing/submitted this PAR prior to the PAR submittal to the IEEE-SA Standards Board? Yes

If yes, state date: 06/05/2007

**6.1.b.** Is the Sponsor aware of any copyright permissions needed for this project? No

**6.1.c.** Is the Sponsor aware of possible registration activity related to this project? No

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**7.1 Are there other standards or projects with a similar scope?** No

### 7.2 Future Adoptions

**Is there potential for this standard (in part or in whole) to be adopted by another national, regional, or international organization?** Do not know at this time

**7.3 Will this project result in any health, safety, security, or environmental guidance that affects or applies to human health or safety?** No

**7.4 Additional Explanatory Notes: (Item Number and Explanation)** The Scope and Purpose of this PAR were modified based on a memorandum received from Michelle Turner of the SA Legal Department on January 23, 2008. The original PAR approval date is 09/12/2002, par expiration date is 12/31/2010.

