PC37.94

Submitter Email: marc@given.com
Type of Project: Revision to IEEE Standard C37.94-2002
PAR Request Date: 02-Apr-2014
PAR Approval Date: 12-Jun-2014
PAR Expiration Date: 31-Dec-2018
Status: PAR for a Revision to an existing IEEE Standard
Root Project: C37.94-2002

1.1 Project Number: PC37.94
1.2 Type of Document: Standard
1.3 Life Cycle: Full Use

2.1 Title: Standard for N Times 64 Kilobit Per Second Optical Fiber Interfaces Between Teleprotection and Multiplexer Equipment
Changes in title: Standard for N Times 64 Kilobit Per Second Optical Fiber Interfaces Between Teleprotection and Multiplexer Equipment

3.1 Working Group: Optical Fiber Interfaces Working Group (PE/PSR/C37.94_WG)
Contact Information for Working Group Chair
Name: Marc Benou
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Contact Information for Working Group Vice-Chair
None

3.2 Sponsoring Society and Committee: IEEE Power and Energy Society/Power System Relaying (PE/PSR)
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3.3 Joint Sponsor: IEEE Power and Energy Society/Power System Communications (PE/PSC)
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4.1 Type of Ballot: Individual
4.2 Expected Date of submission of draft to the IEEE-SA for Initial Sponsor Ballot: 12/2015
4.3 Projected Completion Date for Submittal to RevCom: 08/2016

5.1 Approximate number of people expected to be actively involved in the development of this project: 15
5.2 Scope: This standard describes the interconnection details for N times 64 kilobit per second connections of teleprotection equipment to digital multiplexers using optical fiber. Requirements for both physical connection and the communications timing are also included.

5.3 Is the completion of this standard dependent upon the completion of another standard: No
5.4 Purpose: This standard defines an interconnection of different vendors' relays with different vendors' multiplex equipment, without any restriction on the content of the N times 64 kilobit per second data.
Changes in purpose: The purpose of this standard now defines an interconnection of different vendors' relays with different vendors' multiplex equipment, without any restriction on the
using fiber optic communications. The standard will allow for connection between teleprotection devices and digital multiplexers using both multimode fiber and singlemode fiber. Utilities are more commonly desiring to only install singlemode fiber. The need for this revision is to allow this often used standard to be utilized regardless of the preferred fiber type of the user.

5.6 Stakeholders for the Standard: Electric utilities and manufacturers of protective relay communication equipment

Intellectual Property
6.1.a. Is the Sponsor aware of any copyright permissions needed for this project?: No
6.1.b. Is the Sponsor aware of possible registration activity related to this project?: No

7.1 Are there other standards or projects with a similar scope?: No
7.2 Joint Development
   Is it the intent to develop this document jointly with another organization?: No

8.1 Additional Explanatory Notes (Item Number and Explanation): 5.2 and 5.5. The current standard only allows for multimode fiber. The revision will include singlemode and multimode fiber options. The need has come from the requirements of users of the current standard who prefer using singlemode fiber.