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09 December 2005

Lawrence J Kotewa
Cummunity Energy Cooperative
2125 W. North Avenue
Chicago, IL 60647
larryk@energycooperative.org

Re: P1702 - Telephone Modem Communication Protocol to complement the Utility Industry End Device Data Tables

Dear Lawrence:

I am pleased to inform you that on 07 December 2005 the IEEE-SA Standards Board approved the above referenced project until 31 December 2009. A copy of the file can be found on our website at <http://standards.ieee.org/board/nes/projects/1702.pdf>.

Now that your project has been approved, please forward a roster of participants involved in the development of this project. This request is in accordance with the IEEE-SA Operations Manual, Clause 5.1.2i under Duties of the Sponsor which states:

"Submit annually to the IEEE Standards Department an electronic roster of individuals participating on standards projects"

For your convenience, an Excel spreadsheet for your use has been posted on our website at <http://standards.ieee.org/guides/par/roster.xls>. Please forward this list to me via e-mail at j.haasz@ieee.org no later than 07 March 2006.

Please visit our website, IEEE Standards Development Online (<http://standards.ieee.org/resources/development/index.html>), for tools, forms and training to assist you in the standards development process. Also, we strongly recommend that a copy of your draft be sent to this office for review prior to the final vote by the working group to allow for a quick review by editorial staff before sponsor balloting begins.

If you should have any further questions, please contact me at 732-562-6367 or by email at j.haasz@ieee.org.

Sincerely,

Jodi Haasz
Program Manager
International Stds Programs and Governance
Standards Activities
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CC: richardaet@aol.com, aaron.snyder@itron.com

PAR FORM

PAR Status: New PAR

PAR Approval Date: 07 December 2005

PAR Signature Page on File: Yes

1. Assigned Project Number: P1702

2. Sponsor Date of Request: 2005-09-17

3. Type of Document: Standard for

4. Title of Document:

Draft: Telephone Modem Communication Protocol to complement the Utility Industry End Device Data Tables

5. Life Cycle: Full-Use

6. Type of Project:

6a. Is this an update to an existing PAR? No

6b. The Project is a: New Standard

7. Working Group Information:

Name of Working Group: End Device/Telemetry Interface Unit Subcommittee

Approximate Number of Expected Working Group Members:15

8. Contact information for Working Group Chair:

Name of Working Group Chair: Richard D Tucker

Telephone: 704/888-2634 **FAX:**

Email: richardaet@aol.com

9. Contact information for Co-Chair/Official Reporter, Project Editor or Document Custodian if different from the Working Group Chair:

Name of Co-Chair/Official Reporter, Project Editor or Document Custodian: Aaron F Snyder

Telephone: 864-718-1269 **FAX:** 864-638-4900

Email: aaron.snyder@itron.com

10. Contact information for Sponsoring Society or Standards Coordinating Committee:

Name of Sponsoring Society and Committee: SCC31-Automatic Meter Reading and Energy Management Automatic Meter Reading and Energy Management

Name of Sponsoring Committee Chair: Lawrence J Kotewa

Telephone: 773-486-7600x108 **FAX:** 773-486-7643

Email: larryk@energycooperative.org

Name of Liaison Rep. (if different from the Sponsor Chair):

Telephone: **FAX:**

Email:

Name of Co-Sponsoring Society and Committee:

Name of Co-Sponsoring Committee Chair:

Telephone: FAX:

Email:

Name of Liaison Rep. (if different from the Sponsor Chair):

Telephone: FAX:

Email:

11. The Type of ballot is: Individual Sponsor Ballot

Expected Date of Submission for Initial Sponsor Ballot: July 2006

12. Projected Completion Date for Submittal to RevCom: June 2007

Target Extension Request Information for a Modified PAR whose completion date is being extended past the original four-year life of the PAR:

13. Scope of Proposed Project:

This standard details the criteria required for communications between a Utility End Device and a utility host via a modem connected to the switched telephone network. The utility host could be a laptop or portable computer, a master station system, another utility End Device, or some other electronic communications device.

This standard does not specify the implementation requirements of the telephone switched network to the modem, nor does it include definitions for the establishment of the communication channel.

This document shall provide details for an implementation of the OSI 7 layer model.

The protocol specified in this standard is designed to transport data in the Utility End Device Table format provided in IEEE P1377 or MC12.19 or ANSI C12.19 standards. (This standard, IEEE P1702, is congruent with MC12.21 and ANSI C12.21)

This document specifies the differences between ANSI Std C12.18 – 1996, Protocol Specification for ANSI Type 2 Optical Port and IEEE P1377, Utility Industry End Device Data Tables and those features and services required to describe a protocol specification for Telephone Modem Communications.

This standard shall provide the telephone modem lower layers communication protocol for the Utility metering Industry including specifically Water, Gas, and Electric. This work is complementary with the proposed Utility Industry End Device Data Tables, IEEE P1377 or MC12.19 or ANSI C12.19.

Is the completion of this document contingent upon the completion of another document?

No

14. Purpose of Proposed Project:

The Utility Industry has need for a standard that provides an operable "plug and play" environment for field metering devices. The purpose of this standard is to define the means to transport the Utility Industry End Device Data Tables via a telephone modem such that a multi-source environment and end device interchangeability is possible.

15. Reason for the Proposed Project:

This work shall provide multi-source and "plug and play" environment for the millions of metering devices in the field now and the future. It will solve the problems associated with single source systems and with multi-source systems based upon proprietary communications protocols. Electric, Water, and Gas Utilities and corresponding vendors shall realize cost savings which ultimately benefit the client consumers of the Utilities.

16. Intellectual Property:

- a. Has the IEEE-SA policy on intellectual property been presented to those responsible for preparing/submitting this PAR? Yes 2005-07-29
- b. Is the sponsor aware of copyright permissions needed for this project? No
- c. Is the sponsor aware of trademarks that apply to this project? No
- d. Is the sponsor aware of possible registration activity related to this project? No

17. Are there other documents or projects with a similar scope? No

Similar Scope Project Information:

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

If yes, the following questions must be answered:

Organization Name?
Technical
Committee
International
Contact
Information?

19. Will this project result in any health, safety, or environmental guidance that affects or applies to human health or safety? No

If yes, please explain:

20. Sponsor Information

- a. Is the scope of this project within the approved/scope/definition of the Sponsor's Charter? Yes
If no, please explain:
- b. The Sponsor's procedures have been accepted by the IEEE-SA Standards Board Audit Committee? Yes

21. Additional Explanatory Notes: (Item Number and Explanation)

The IEEE SCC31 standards body, the Measurement Canada standards body and the ANSI C12.17 standards body have jointly developed this standard. IEEE, Measurement Canada and NEMA through a MOU agreement share the copyright and ownership of this standard.