**IEEE P802.15**

**Wireless Personal Area Networks**

|  |  |  |
| --- | --- | --- |
| Project | IEEE P802.15 Working Group for Wireless Personal Area Networks (WPANs) | |
| Title | Call for Proposals | |
| Date Submitted | 10 May 2011 | |
| Source | [Pat Kinney] [Kinney Consulting] [Lake Zurich, IL, USA] | Voice: [+1.847.960.3715] Fax: [] E-mail: [pat.kinney@ieee.org] |
| Re: | Call for Proposals (CFP) for TG4k: “IEEE Standard for Local and Metropolitan Area Networks - Part 15.4: Wireless Medium Access Control (MAC) and Physical Layer (PHY) Specifications for Low Rate Wireless Personal Area Networks (WPANs) Amendment - Physical Layer (PHY) Specifications for Low Energy, Critical Infrastructure Monitoring Networks (LECIM).” | |
| Abstract | This is a Call for Proposals (CFP) for TG4k’s PHY Amendment to IEEE Std 802.15.4. | |
| Purpose | When issued this is intended to announce the Call for Proposals and to solicit contributions. | |
| Notice | This document has been prepared to assist the IEEE P802.15. It is offered as a basis for discussion and is not binding on the contributing individual(s) or organization(s). The material in this document is subject to change in form and content after further study. The contributor(s) reserve(s) the right to add, amend or withdraw material contained herein. | |
| Release | The contributor acknowledges and accepts that this contribution becomes the property of IEEE and may be made publicly available by P802.15. | |

# TG4k Call for Proposals

The following will describe a Call for Proposals (CFP) for TG4k: “IEEE Standard for Local and Metropolitan Area Networks - Part 15.4: Wireless Medium Access Control (MAC) and Physical Layer (PHY) Specifications for Low Rate Wireless Personal Area Networks (WPANs) Amendment - Physical Layer (PHY) Specifications for Low Energy, Critical Infrastructure Monitoring Networks (LECIM).”

The purpose of this amendment is to facilitate point to multi-thousands of points communications for critical infrastructure monitoring devices. The amendment addresses the application's user needs of minimal network infrastructure, and enables the collection of scheduled and event data from a large number of non-mains powered end points that are widely dispersed, or are in challenging propagation environments. To facilitate low energy operation necessary for multi-year battery life, the amendment minimizes network maintenance traffic and device wake durations. In addition, the amendment addresses the changing propagation and interference environments. For more information please refer to the 802.15.4k web site: <http://www.ieee802.org/15/pub/TG4k.html>.

**CALL FOR PRELIMINARY PROPOSALS: Due July 15, 2011**

Proposers are strongly encouraged to provide a preliminary version of their proposal(s) as soon as possible but no later than by 15 July 2011, and strongly encouraged to present the proposal(s) at the July 2011 session to the membership of TG4k, to share the breadth of their proposals and the opportunity for early proposal mergers. It also allows the task group to review the requirements and parameter documents for correctness.

The IEEE 802.15 July Session will be held during the week of 18-21 July 2011 at Hyatt Regency San Francisco at Embarcadero Center, San Francisco, California.

**CALL FOR PROPOSALS: Due September 16, 2011**

Proposals are solicited for an amendment to the Standard IEEE 802.15.4 compliant with the PAR ([15-11-0061-00-004k-tg4k-par-as-approved-by-nescom](https://mentor.ieee.org/802.15/dcn/11/15-11-0061-00-004k-tg4k-par-as-approved-by-nescom.docx)) and 5 Criteria ([15-10-0757-04-leci-sglecim-5c-draft](https://mentor.ieee.org/802.15/dcn/10/15-10-0757-04-leci-sglecim-5c-draft.docx)) for TG4k. Proposers are required to provide their proposal(s) by Sep 16 2011, and to present the proposal(s) at the September 2011 session to the membership of TG4k.

These proposals should refer to [IEEE 802.15-11-0359-04](https://mentor.ieee.org/802.15/dcn/11/15-11-0359-04-004k-technical-guidance-document.docx) for proposal content guidance and the IEEE patent policy at [*http://standards.ieee.org/board/pat/pat-material.html*](http://standards.ieee.org/board/pat/pat-material.html). As it is the intent of TG4k to use these proposals to determine the baseline for the PHY amendment, the more complete the proposal, the greater the chances that it will be adopted by the task group. As per the TG4k schedule, the task group may start drafting the amendment following this session.

Please submit your proposals to the IEEE 802.15 document server and send notification to the TG4k Chair, Pat Kinney, [pat.kinney@ieee.org](mailto:pat.kinney@ieee.org), and TG4k email reflector (<stds-802-15-4k@listserv.ieee.org>) by 16 Sep 2011, which is prior to the September 2011 IEEE 802.15 Session, in order to be heard at that Session.

The IEEE 802.15 September Session will be held during the week of Sep 19-22, 2011, Okinawa Convention Center, Okinawa, Japan

No proposals will be accepted after 16 September 2011, 23:59 UTC unless specifically allowed by an approved motion.

All questions and submissions should be directed to the TG4k Chair: Pat Kinney, [pat.kinney@ieee.org](mailto:pat.kinney@ieee.org)