**IEEE P802.15**

**Wireless Personal Area Networks**

|  |  |
| --- | --- |
| Project | IEEE P802.15 Working Group for Wireless Personal Area Networks (WPANs) |
| Title | **Proposal for completion of the scenario parameters** |
| Date Submitted | [23 June, 2014] |
| Source | \*[Verotiana Rabarijaona, Fumihide Kojima], †[Hiroshi Harada] \*[NICT], †[Kyoto University]\*[3-4, Hikarino-oka, Yokosuka, 239-0847 Japan], †[36-1 Yoshida-Honmachi, Sakyo-ku, Kyoto 606-8501 Japan] | Voice: [+81-46-847-5075]Fax: [+81-46-847-5089]E-mail: [rverotiana@nict.go.jp] |
| Re: | [TG10 scenario parameters #338 r7] |
| Abstract | [Proposal towards the completion of the scenario parameters] |
| Purpose | [This document is to be uses to complete the scenario parameters in document #338 r7] |
| 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. |

**Introduction**

This document is to be used to complete the scenario parameter matrix. This document was written after investigating on the scenario setting history within IEEE 802 and the projects related to/similar to 802.15.10.

**Proposal to remove the link failure rate from the parameter list**

Two projects within 802 have scopes similar to that of 802.15.10:

* 802.11s
	+ CFP: IEEE 802.11-04/1430r11
	+ Evaluation documents:
		- Functional Requirements and Scope: IEEE 802.11-04/1174R13
		- Comparison Categories and Informative Checklists: IEEE 802.11-04/1175r10

Regarding the simulation scenarios, the document includes the following statement:

*“Any proposal submission that includes simulation results must include a description of the simulation methodology used for mesh simulations****. The simulation methodology documentation should provide enough information to, in principle, reproduce the simulation (e.g., including node positions, traffic and propagation model (including PHY assumptions), packet sizes, etc.)****.”*

* + - Usages models: IEEE 802.11-04/662r16
		- Terms and Definitions for 802.11s: IEEE 802.11-04/1477r4
* 802.15.5
	+ CFP: IEEE P802.15-5/0071
	+ Evaluation documents:
		- Technical Requirements: IEEE P802.15-04/655
		- Analysis of responses to call for applications: IEEE 802. 15-04-0575-00-0005

According to these documents, none of these projects specify the link failure rate, or scenarios as specific as 802.15.10.

We believe the scenario parameters can help us to evaluate the proposals. However we propose to remove the link failure rate from the list of parameters. This is to give freedom to the proposers in the choice of their routing metrics. Instead we propose to include the following statement:

***The proposals shall provide the details on the link quality setting methodology (Link failure rate, propagation model, BER, transmission power …)***