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**Project: IEEE P802.15 Working Group for Wireless Personal Area  
Networks (WPANs)**

**Submission Title:** IG DEP Dependable Closing Report for July 2014

**Date Submitted:** July 17, 2014

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**Re:** IG DEP Closing Report

**Abstract:** Closing Report for the IG DEP Session

**Purpose:**

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# **IEEE 802.15 IG DEP**

## **Closing Report**

**San Diego, USA  
July, 2014**

# Meeting Objectives

Presentation of Main Contributions

Discussion on Applications and Dependability Matrix in  
MAC and PHY, Call for Interest, Time Line and  
Project Plan

# Meeting Accomplishments

- ✓ Review Discussion in Previous Meetings by Arthur Astrin (Astrin Radio)
- ✓ Call for Agenda in this week by Jussi Haapola (CWC)
- ✓ Heard Presentations and Discussion on them
  1. Application and Dependability Matrix by Jussi Haapola (CWC) doc. 15-14-0437-01
  2. Use cases and Requirement of Dependability in Car Sensing and Controlling by Ryuji Kohno(YNU/CWC-Nippon)
  3. Dependability in MAC as well as PHY for life critical applications
  4. Use cases and technologies for dependable Wireless
- ✓ Discussed on Focused Use Cases, Necessity, and Requirements of Dependability in Vehicle Communications for Sensing and Controlling
  1. Translation of Requirement of Internal car sensing and controlling into Communication Parameters
  2. Classification of Priority Order of Contexts for Dependability in sensing and controlling information in can and human bodies.
- ✓ Necessary Process and Possible Timeline to SG and higher steps
  1. Call for Interest(CFI): RELEASE DATE: July 17, 2014, CLOSE DATE: March 17, 2015 (802 Plenary Session in Berlin, Germany)
  2. Time Line; SG application in Nov. with PAR and 5C drafting in Sept.

# Contributions

15-14-0467-00-0dep-july-2014-closing-report

15-14-0436-00-0dep-ID Dependability Meeting Minutes July 2014

15-14-0449-01-0dep-call-for-interest

15-14-0437-00-0dep-application-dependability-matrix-v0

15-14-0380-00-0dep-ig-dependability-july-agenda

Attendees: 15

**Thank You !**

**Any Questions ?**

# IG Dependability Background

## Dependability in Wireless Networks

- **Meanings of Dependability:**
  - In Wikipedia, “**Dependability**” is a value showing the reliability of a person to others because of his/her integrity, truthfulness, and trustfulness, traits that can encourage someone to depend on him/her. The **wider use of this noun is in Systems engineering.**
  - **For us, “Dependability in network”** means to guarantee lowest performance enough high in a sense of highly reliable, safe, secure, fault tolerant, robust services in any predictable and even unpredictable worse environments.
- **Demand for Dependable Networks:**
  - Need for **Highly Reliable, Robust Communications for Controlling**
  - Transition from **Human centric communications to Machine / Device Centric (M2M) communications for controlling.**
  - Highly reliable, safe, secure and robust communications for **M2M Controlling** is necessary.