



FFIoT Status Report – IEEE 802 Nendica

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Outline

- Status of FFloT whitepaper
- List of contributors and supporters
- High level outline of FFloT whitepaper
- Next step

Status of FFloT whitepaper

- Latest pre-draft whitepaper in 2018-06-21: [802.1-18-0025-02-lcne](#)
Update submitted
 - 4th July 2018: [802.1-18-0025-03-lcne](#)
 - 9th July 2018 (following pre-review in OmniRAN): [1-18-0025-04-lCne](#)
- Since May 25th meeting, we had 2 updates as indicated above.
- New pre-draft updated to include close on remaining open sections (updated the introduction and completed sections):
 - Enhancements of IEEE 802 technologies for the future
 - Conclusion
- Proposal to declare the latest pre-draft update as “mature” and to initiate approval process by starting review and comments balloting.

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High level outline of FFloT whitepaper

CONTENTS

INTRODUCTION

Scope

Purpose

DEFINITIONS

FACTORY OVERVIEW AND OPERATION ENVIRONMENT

Factory communication network environment

Radio Environment within Factories

(a) The Severe Environment for Wireless Communications

(b) Uncoordinated and Independent Systems

WIRELESS APPLICATIONS AND COMMUNICATION REQUIREMENTS

Scope of wireless applications in factory

Wireless applications

Communication requirements

Details of wireless application and communication requirements

FACTORY USAGE SCENARIOS

Usage scenarios example: Metal processing site

Usage scenarios example: Mechanical assembly site

Usage scenarios example: Elevated and high temperature work site

Usage scenarios example: Logistics warehouse site

TECHNOLOGICAL ENHANCEMENT OF NETWORKING FOR FLEXIBLE FACTORY IOT

Concept of architecture

Gaps in existing IEEE 802 technologies

Coexisting of wide variety of factory applications with different requirements

QoS management for factories

Adaptation to rapid changes in wireless environments

Competition of wireless systems in unlicensed bands

Wireless link aggregation

Enhancements of IEEE 802 technologies for the future

CONCLUSIONS

CITATIONS

New Update

Next Step

- Motion to initiate ballot on latest draft report.
 - Nendica votes to identify the latest version of the FFloT pre-draft whitepaper in <https://1.ieee802.org/802-nendica/nendica-ffiot/> as “Nendica Draft Report” and open Call for Comments (nominally 30 days)
- Consolidated Comments to be compiled by the September interim meeting.
- Start comments resolution during September meeting.

Request for a Motion at next Nendica Conference Call

Motion

- Nendica to identify the latest version of the FFloT pre-draft whitepaper in <https://1.ieee802.org/802-nendica/nendica-ffiot/> as “Nendica Draft Report” and open/initiate a 30 days Call for Comments
 - Moved by:
 - Seconded by :
- Yes:
- No:
- Abstains: