**IEEE P802.15**

**Wireless Personal Area Networks**

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| Project | IEEE P802.15 Working Group for Wireless Personal Area Networks (WPANs) |
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# Overview

# Definitions

# Abbreviation and acronyms

# General requirements

## Summary of PAR

### Scope

### Purpose

## High level requirements

## Application requirements matrix

## Defined Behaviors Should Support the Following in 802.15.4

# Functional requirements

## Mesh Topology Discovery

## Mesh Routing Protocol

## Extensible Mesh Routing Architecture

## Mesh Broadcast Data Delivery

## Mesh Unicast Data Delivery

## Mesh Network Size

## Mesh Security

## Routing Metrics

### Radio-Aware

### Device-Aware

### Network-Aware

### Bridge-Aware

## Discovery and Association with a L2R network

## Changes to the MAC and PHY

# Performance requirements

## Required memory resource

## Calculation cost

## Energy consumption

## Control traffic overhead

## Route acquisition time

## Recovery time of link failure

## Scalability to network size

## End to End packet loss rate

## End to End data throughput and delay

## Life time of battery operated network

# Regulatory Considerations/Aspects

# Evaluation methodology