**Comments and Suggested Revisions**

**Towards the Architecture Section**

**of the 802.22.3 Standard Draft v1.0**

*Nilesh Khambekar*

Date: March 4th, 2017 [Comment version 1.0 ]

* + 1. Comments

Following are the comments on the layout of the standard version 1.0.

1. The content layout is hard to follow and needs to be revised for clarity and completeness while avoiding duplication.
   * 1. Suggestions

Following draft attempts to address the above mentioned comments on the standard draft v1.0 .

Note: This document is being revised. Todo items are identified with [#ToDoText].

* + 1. Suggested Layout

Contents

1. Overview

1.1 Scope

1.2 Purpose

1.3 Reference Applications

2. Normative References

3. Abbreviations and acronyms

4. System Requirements

4.1 Operational Requirements

4.2 Regulatory requirements

4.3 Administrative Requirements

4.4 Functional Requirements

5. System Architecture

5.1 Overview

5.2 Functional Block Diagram

5.3 Operational Procedures

6. Entity Functional Description

6.1 Actor

6.2 Spectrum Sensing Device (SSD)

6.3 Spectrum Sensor Manager (SSM)

6.4 Sensing Data Manager (SDM)

6.5 Data Receive Point (SDM)

1. SCOS Communication Description

7.1 [SCOS communication interfaces](#_Toc8581)

[7.2 Response codes](#_Toc6535)

[7.3 Message Encoding](#_Toc23615)

[7.4 Message Transport](#_Toc11725)

[7.5 SCOS Message exchanges](#_Toc24113)

[7.6 Details of the Message Parameters](#_Toc18258)

1. SCOS Operational Model

8.1 Roles

8.2 Data Ownership

9. SCOS Administration

9.1 Configuration

9.2 Platform Management

9.3 Maintenance

9.4 SCOS Policy

9.5 SCOS Security

Annex A Informative: Regulatory Technical requirements 48

Annex B Device and System Security Recommendations 49

Annex C Implementation Guidelines/Notes 50

Annex D Operational Guidelines/Notes 55

Annex E Review of 802.22 sections 55

Annex F  (normative) IEEE 802.22 regulatory domains and regulatory classes requirements 80

F.1 Regulatory domains, regulatory classes, and professional installation 80

F.2 Radio performance requirements 81

Annex G  (informative) Sensing 82

G.1 References 82

Annex H  (informative) Bibliography 83