

Working Document toward the development of P802.16/Conformance04

**[Conformance to IEEE 802.16 - Part 4:
Protocol Implementation Conformance
Statement (PICS) Proforma for Frequencies
below 11 GHz]**

Table of Contents

TABLE OF CONTENTS.....	1
IEEE STANDARD FOR CONFORMANCE TO IEEE 802.16.....	2
OVERVIEW.....	2
SCOPE	2
REFERENCES.....	2
DEFINITIONS AND ABBREVIATIONS	3
DEFINITIONS.....	3
ABBREVIATIONS.....	3
CONFORMANCE TO THIS STATEMENT	3
ANNEX A.....	3
SCA.....	4
OFDM.....	4
OFDMA.....	4

IEEE Standard for Conformance to IEEE 802.16

Part 4: Protocol Implementation Conformance Statement (PICS) Proforma for Frequencies below 11 GHz

Overview

This document is Part 1 of a multi-part deliverable addressing conformance to the WirelessMAN-SCa, WirelessMAN-OFDM, and WirelessMAN-OFDMA air interface in IEEE 802.16™

- Part 1: Protocol Implementation Conformance Statement (PICS) Proforma
- Part 2: Test Suite Structure and Test Purposes (TSS&TP) specification
- Part 3: Radio Conformance Test (RCT) specification
- Part 4: Abstract Test Suite (ATS) specification

Introduction

To evaluate conformance of a particular implementation, it is necessary to have a statement of which capabilities and options have been implemented for a telecommunications specification. Such a statement is called a Protocol Implementation Conformance Statement (PICS)

Scope

This standard represents the Protocol Implementation Conformance Statement (PICS) Proforma, per ISO/IEC Standard 9646-7 (1995): “Information technology – Open Systems Interconnection – Conformance testing methodology and framework – Part 7: Implementation Conformance Statements, and ITU-T X.296, for conformance specification of base stations and subscriber stations based upon the WirelessMAN-SCa, WirelessMAN-OFDM, and WirelessMAN-OFDMA air interfaces specified in IEEE 802.16.

References

The following documents contain provisions, which, through reference in this text, constitute provisions of the present document. References are either specific (identified by date of publication, edition number, version number, etc.) or non-specific. For a specific reference, subsequent revisions do not apply. For a nonspecific reference, the latest version applies.

[1] IEEE Std 802.16-2004: “Local and Metropolitan Area Networks – Part 16: Air Interface for Fixed Broadband Wireless Access Systems”

[2] ISO/IEC 9646-1: “Information technology – Open Systems Interconnection – Conformance testing methodology and framework – Part 1: General concepts”

[3] ISO/IEC 9646-7: “Information technology – Open Systems Interconnection – Conformance testing methodology and framework – Part 7: Implementation Conformance Statements”

[4] DTS/BRAN-004T002-1V0.0.9 (2004-09): “Conformance testing for the Data Link Control Layer (DLC); Part 1: Protocol Implementation Conformance Statement (PICS) proforma”

Definitions and Abreviations

Definitions

For the purposes of the present document, the following terms and definitions apply in conjunction with the terms defined in IEEE 802.16.

In particular, the following terms defined in ISO/IEC 9646-1:1994 apply:

Implementation Conformance Statement (ICS): statement made by the supplier of an implementation or system claimed to conform to a given specification, stating which capabilities have been implemented. The ICS can take several forms: protocol ICS, profile ICS, profile specific ICS, information object ICS, etc.

ICS Proforma: document, in the form of a questionnaire, which when completed for an implementation or system becomes an ICS.

Protocol ICS (PICS): ICS for an implementation or system claimed to conform to a given protocol specification.

Abreviations

For the purposes of the present document, the following abbreviations apply in conjunction with the abbreviations defined in IEEE 802.16.

ATS	Abstract Test Suite
ICS	Implementation Conformance Statement
IUT	Implementation Under Test
PICS	Protocol Implementation Conformance Statement
RCT	Radio Conformance Test
SUT	System Under Test
TP	Test Purpose
TSS	Test Suite Structure

Conformance to this statement

If it claims to conform to the present document, the actual PICS Proforma to be filled in by a supplier shall be technically equivalent to the text of the PICS Proforma given in Annex A, and shall preserve the numbering, naming, and ordering of the Proforma items.

A PICS which conforms to the present document shall be a conforming PICS Proforma completed in accordance with the guidance for completion given in clause A.1 of [4].

Annex A

(normative)

2004-10-08

IEEE 802.16Conf04-04/04

Protocol ICS for IEEE 802.16 WirelessMAN-SCa

tbd

Protocol ICS for IEEE 802.16 WirelessMAN-OFDM

The PICS for Part 4: Protocol Implementation Conformance Statement (PICS) Proforma for Frequencies below 11 GHz shall be according to [4].

Protocol ICS for IEEE 802.16 WirelessMAN-OFDMA

tbd