



SyncML Conformance Test Suite, version 0.2

Abstract

This specification defines SyncML Conformance Test Suite. The SyncML Conformance Test Suite is a part of SyncML Conformance Testing Process [1]. This process specifies the testing that a SyncML vendor has to perform in order to gain a right to license "SyncML conformant".



Consortium

The following companies are sponsors in the SyncML initiative:

Ericsson

IBM

Lotus

Motorola

Nokia

Palm, Inc.

Matsushita Communications Industrial Co.

Psion

Starfish Software

Revision History

Revision	Date	Comments
0.1	2001-01-07	First draft
0.2	2001-01-16	Added test cases



Copyright Notice

Copyright (c) 2000,2001 **Ericsson, IBM, Matsushita, Motorola, Nokia, Palm, Inc., Psion**. All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
3. The end-user documentation included with the redistribution, if any, must include the following acknowledgement: This product includes software developed by **The SyncML Initiative**.

Alternatively, this acknowledgment may appear in the software itself, if and wherever such third-party acknowledgment normally appears.

4. The name of the authors, jointly or severally, must not be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE AUTHORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE OR NON-INFRINGEMENT ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.



Table of Contents

1	Terminology	5
	1.1 Definitions	5
	1.2 Abbreviations	5
2	Introduction	6
3	Conformance Testing	7
4	Informative SCTS items.....	8
5	References	9



1 Terminology

1.1 Definitions

SyncML Conformance Test Suite – A term used to describe the methods (test cases or test tools) required by SyncML initiative to perform SyncML conformance testing. These requirements are subject to change.

1.2 Abbreviations

SCTS	SyncML Conformance Test Suite
SIC	SyncML Interoperability Committee



2 Introduction

The SyncML Conformance Testing Process [1] defines that SyncML vendor is required to use the latest version of SCTS that has been assigned by SyncML Interoperability Committee (SIC). Periodically, the SIC will update the SCTS (e.g. to provide a test tool) and as a consequence SyncML vendors will need to use the updated version of SCTS.

Chapter two defines current requirements on how to perform SyncML conformance testing. Requirements in this chapter have to be followed in order to gain a right to license "SyncML conformant". Chapter three is an informative chapter. It gives information about future plans related to SCTS development.

Please note that this is a living document and is intended to be updated.



3 Conformance Testing

Until such time as automated tools are available, it will be necessary for vendors to manually test their products for conformance.

Vendors will need the following documents:

- SyncML Interoperability Conformance Statement Proforma [2]
- SyncML Manual Test Cases [3]

Vendors will need to complete [2], indicating their level of conformance to the SyncML Protocol and Representation. Any areas that are not conformant will need to be explained.

Vendors will need to complete [3], indicating which server or client were used. Vendor must indicate which objects and their version were used in the tests (e.g. vCard 2.1, iCal 2.0, etc).



4 Informative SCTS items

SyncML Interoperability Committee (SIC) is required to develop and maintain the SCTS in order to provide appropriate SyncML Conformance Testing methods. In order to achieve this, SIC needs to provide proper test methods within reasonable time frame. Therefore, the chosen approach is to initially provide manual test cases [3] to enable the SyncML conformance testing.

In order to provide better quality test method in the future, SIC is developing SyncML Conformance Test Tool. Once the tool is available, it will replace the test cases as a SyncML Conformance Testing method.



5 References

- [1] SyncML Conformance Testing Process
- [2] SyncML Interoperability Conformance Statement Proforma
- [3] SyncML Manual Test Cases