



Wireless Village Compliance Definitions

Draft Final

v1.0

Village Fest #1 Document

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1 REVISION HISTORY

1.1 Document Update History

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29 April 2002		0.15 Minor editing	Ericsson
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1.2 Document State Table

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2 REFERENCES

- [1] Wireless Village – Conformance Process
- [2] Wireless Village – Interoperability Testing Process
- [3] Wireless Village – Client Implementation Conformance Statement Document
- [4] Wireless Village – Server Implementation Conformance Statement Document
- [5] Wireless Village – IOP Committe Charter

3 INTRODUCTION

The purpose of this document is to define the meaning of Wireless Village Compliance.

The compliance is a declaration of proven interoperability for a product. It is the result of fulfilling the steps of the combined Wireless Village Conformance Process and Interoperability Testing processes.

Any Wireless Village vendor who is willing to bring Wireless Village implementations, clients or servers, to the markets is recommended to go through the whole process.

After accomplishing the process for a product, a vendor has the right to use the Wireless Village logo for usage in marketing of its product.

All vendors are thus encouraged to accomplish the whole process.

4 WIRELESS VILLAGE INTEROPERABILITY COMMITTEE, IOPCOM

Wireless Village Interoperability Committee (IOPCom) is formed from the representatives of Wireless Village sponsor and supporter companies.

The IOPCom is responsible for the organization and definitions of the Wireless Village Conformance Process and the Interoperability Testing Process and also provision of appropriate specifications and tools. The IOPCom is responsible to make decisions related to problem situations. An example of a problem situation is an inconclusive outcome from testing (where neither a pass nor a fail verdict can be given).

The IOPCom can assign some of the tasks related to Wireless Village conformance process to a 3rd party. E.g. test tool development, distribution of conformance testing documents and administration services. In order to be able to deal with sensitive and confidential information a subgroup of IOPCom can be used.

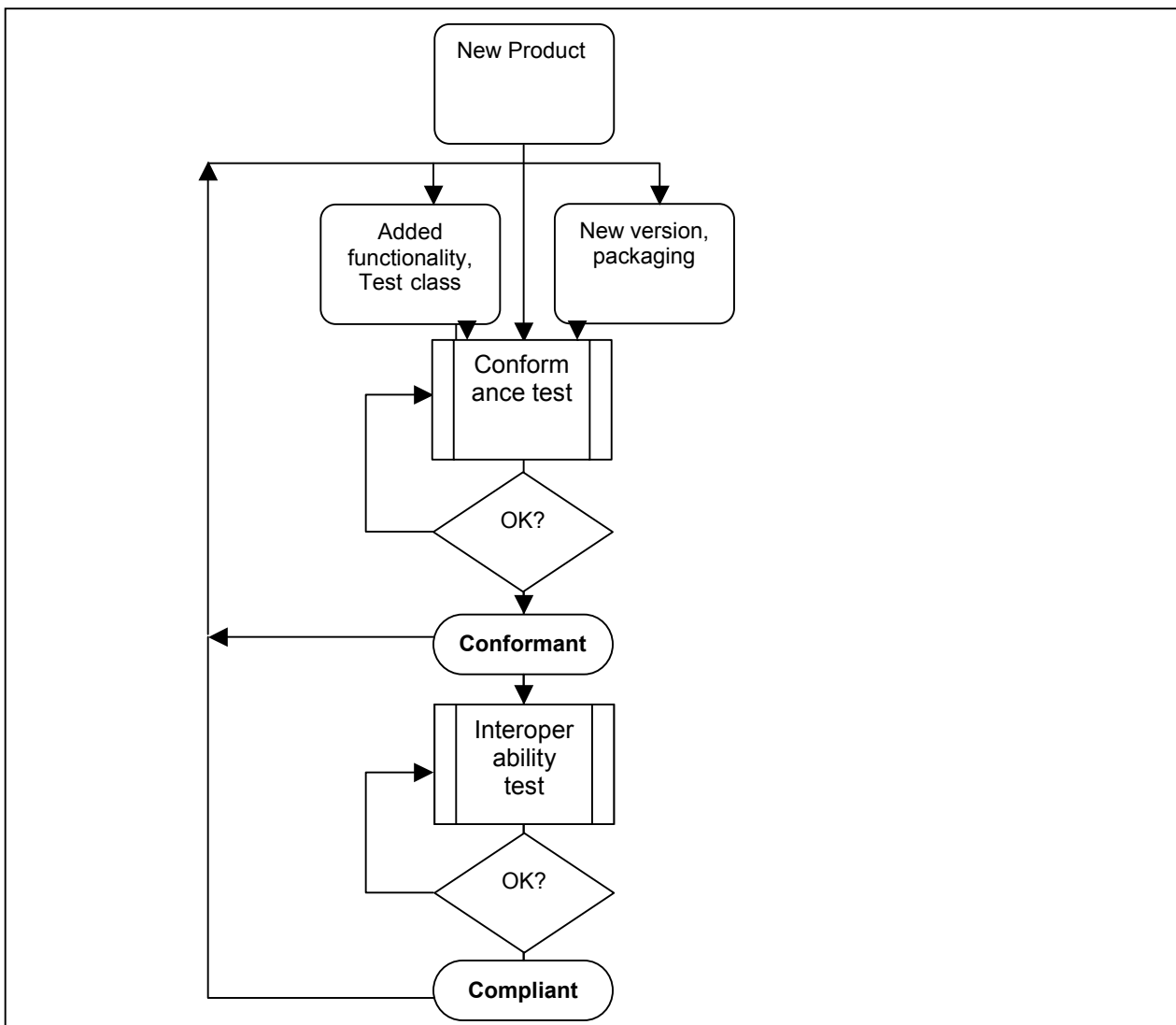
The IOPCom is also responsible to communicate with Wireless Village Technical Committee in cases such as question of interpretation and problems in the Wireless Village technical specifications.

The responsibilities of the IOPCom are defined in IOP Committee Charter [5].

Please also refer to the Wireless Village web pages (www.wireless-village.org) to find up-to-date information about the Wireless Village Interoperability Committee.

5 WIRELESS VILLAGE OVERALL COMPLIANCE PROCESS

The total process needed to follow in order to become Wireless Village Compliant is briefly



described in the figure above. The first step is vendor declaration of conformance for the product. It is based on the conformance document for a client or a server, which the vendor fills in based on result obtained from testing according to Wireless Village test suite and if possible using a Wireless Village test tool. This is defined in the Wireless Village Conformance Process document ref. [1] The second step is an interoperability test towards other vendors' implementations. This is defined in the Wireless Village Interoperability Testing process document, ref. [2]

6 COMPLIANCE DEFINITION

Due to the complexity of the Wireless Village protocol specifications and the great degree of freedom that exists a conformance or compliance statement has to be detailed in order to describe what has been proven interoperable.

Yet it needs to be as condensed as possible to make it a simple way to judge if products will work together.

A concept of "class" is defined meaning a set of functionality as defined in the overall Wireless Village description.

6.1 Clients

Clients can for each version of the Wireless Village Client Server Protocol, CSP prove their compliance according to the following classes

1. Mandatory requirements for Instant Messaging
2. Mandatory requirement for Presence
3. Mandatory requirements for Group messaging ("chat")
4. Mandatory requirement for Shared contents

Any supported optional functionality specified in the CSP exceeding the mandatory requirements will be indicated with an X in the Optional column

See the following table

WV CSP1.1	Mandatory level	Optional level
Instant messaging		X
Presence	X	
Group	X	
Shared contents		

Table 1 Example of a WV Conformance/Compliance matrix for a client

If any optional features are supported they have to be specifically listed according to the Client Implementation Conformance Statement document, ref. [3] since there are no aggregated classes of optional functions defined.

The compliance statement for a client will thus contain the following information:

- Information that unambiguously identifies the client (like product name and version)
- The Wireless Village protocol version
- The CSP protocol binding: SMS or HTTP
- Encoding schemes supported
- The functions or test class matrix
- If optional features are tested they will have to be listed item per item

By comparing this information with corresponding information regarding a server it is possible to see if the products will be able to interoperate.

6.2 Servers

Server products that apply for compliance will be tested and approved according to the following classes for both for CSP and for SSP. Note that the mandatory Service Access Points requirements have always to be fulfilled.

For CSP the following test classes are needed:

1. Mandatory requirements for Instant Messaging
2. Mandatory requirement for Presence
3. Mandatory requirements for Group messaging (“chat”)
4. Mandatory requirement for Shared contents

This will result in a function or test class matrix, which could look like this for server CSP.

WV CSP1.1	Mandatory level	Optional level
Instant messaging	X	
Presence	X	
Group	X	
Shared contents	X	

Table 2 *Example of a WV CSP Conformance/Compliance matrix for a server*

If optional features are supported they have to be specifically listed according to the Server Implementation Conformance Statement document, ref [4].

The server CSP compliance statement will thus contain the following:

- Information that unambiguously identifies the server (like product name and version)
- The Wireless Village protocol version
- The CSP protocol binding: SMS or HTTP
- The functions or test class matrix
- If optional features are tested they will have to be listed item per item

By comparing this information with a client it should be possible to see if the products will be able to interoperate.

Since servers can be capable of interacting with other servers or gateways via the Server-to-Server Protocol, SSP, a similar test class matrix as for CSP will apply for that interface. It will be not be related to the CSP matrix. This means that the SSP matrix can have functions implemented and approved that are not or not yet approved in the CSP matrix.

The following test classes are foreseen for SSP.

1. Mandatory requirements for Instant Messaging
2. Mandatory requirement for Presence
3. Mandatory requirements for Group messaging (“chat”)
4. Mandatory requirement for Shared contents

This will result in a test class matrix for SSP

WV 1.1	WV1.1 Mandatory level	WV1.1 Optional level
Instant messaging		X
Presence	X	
Group		X
Shared contents		

Table 3 *Example of a WV SSP Conformance/Compliance matrix*

So the server SSP side compliance will be based on a statement about

- Information that unambiguously identifies the server (like product name and version)
- The Wireless Village SSP protocol version
- The functions or test class matrix
- If optional features are tested they will have to be listed item per item

So comparing these statements it will be possible tell to which extent the servers are interoperable.

7 RULES FOR COMPLIANCE STATEMENTS

The IOPCom Chairman will be responsible for declaring which products that have achieved compliance during an interoperability event.

A product found compliant may have the right to use the Wireless Village Logo in marketing and related issues as defined in the Wireless Village logo usage guidelines document.

8 TERMINOLOGY

8.1 Definitions

Test Class	The tests used for testing certain functionality
Test Matrix	The aggregated result of the appropriate test classes
Village Fest	An interoperability event where different vendors' servers and clients are tested towards each other to verify that they can interoperate correctly according to test classes.

8.2 Abbreviations

CSP	Client Server Protocol
IOPCom	The Wireless Village Interoperability Committee
IUT	Implementation Under Test, a server or client product
SSP	Server Server Protocol