

**CALCONNECT DOCUMENT CD 0704**

**Type:** Report  
**Title:** May 2007 CalConnect Interoperability Test Report  
**Version:** 1.2  
**Date:** 2007-08-10  
**Status:** Published  
**Source:** IOPTTEST Technical Committee

This document incorporates by reference the CalConnect Intellectual Property Rights, Appropriate Usage, Trademarks and Disclaimer of Warranty for External (Public) Documents as located at

<http://www.calconnect.org/documents/disclaimerpublic.pdf>.

**TITLE:** Calendar Interoperability Testing Report – Public  
May 2007 - Seattle, WA – Sponsored by Boeing  
**Version:** 1.2  
**Date of Publication:** August 10, 2007

**Contributing Authors:** Patricia Egen, Mike Douglass, Cyrus Daboo, Daniel Boelzle, Tony Becker

**INTELLECTUAL PROPERTY RIGHTS, APPROPRIATE USAGE  
AND DISCLAIMER OF WARRANTY  
FOR EXTERNAL (PUBLIC) DOCUMENTS**

STATEMENT OF INTELLECTUAL PROPERTY RIGHTS

This document and the information it contains is the work product of The Calendaring and Scheduling Consortium (“Consortium”), and as such, the Consortium claims all rights to any intellectual property contained herein.

STATEMENT OF APPROPRIATE USAGE

Standards Setting Organizations and others who find this document is of use in their work are hereby granted the right to copy, redistribute, incorporate into their own documents, make derivative works from, and otherwise make further use of the document and the material it contains at no cost and without seeking prior permission from the Consortium, subject to properly attributing the source if unmodified to the Consortium and notifying the Consortium of its use according to the guidelines below:

1. If the document is excerpted or used in its entirety in another document, the text must remain unchanged and a complete citation must be supplied referencing the full title, version, date, and appropriate section/subsection/ paragraph identification from the original document.
2. A normative or informative reference to this document may be used in place of excerpting or incorporating the entire original document. Such references should include the full title, version, date, and appropriate section/subsection/paragraph identification from the Consortium document being referenced.
3. In either case, the user referencing or excerpting a Consortium document is requested to notify the Consortium of the referencing specification and to provide the Consortium with an appropriate link or other way of reviewing the specification.

DISCLAIMER OF WARRANTY

THIS DOCUMENT AND THE INFORMATION IT CONTAINS IS PROVIDED ON AN “AS IS” BASIS, WITHOUT ANY WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, FROM THE CONSORTIUM, ITS CONTRIBUTORS, AND THE ORGANIZATIONS ITS CONTRIBUTORS REPRESENT OR ARE SPONSORED BY (IF ANY), INCLUDING, WITHOUT LIMITATION, ANY WARRANTIES OF MERCHANTABILITY, FITNESS FOR ANY PARTICULAR PURPOSE, AND NON-INFRINGEMENT.

## TABLE OF CONTENTS

<b>Introduction.....</b>	<b>3</b>
<b>General Comments.....</b>	<b>3</b>
<b>Apple Testing: .....</b>	<b>3</b>
<b>OSAF Testing.....</b>	Error! Bookmark not defined.
<b>Marware Testing.....</b>	Error! Bookmark not defined.
<b>Mozilla Testing .....</b>	Error! Bookmark not defined.
<b>RPI Testing .....</b>	Error! Bookmark not defined.
<b>Synchronica Testing.....</b>	Error! Bookmark not defined.
<b>Summary.....</b>	<b>4</b>
<b>MOZILLA LIGHTNING TESTING MATRIX.....</b>	Error! Bookmark not defined.

**CALENDAR INTEROPERABILITY EVENT**  
**May 2007 – Boeing – Seattle, WA**

**Introduction**

This document contains notes and results from the May 2007 calendar interoperability event, sponsored by Boeing, held in Seattle Washington. The basic purpose of the event was to test CALDAV Free Busy and Scheduling and iCalendar iMIP and iTIP events.

The chart below shows the attendees, their organization and the products they were testing.

<b><u>Attendees</u></b>	<b><u>Organization</u></b>	<b><u>Products</u></b>
Cyrus Daboo	Apple	Apple Client and CALDAV server
Michael Douglass	RPI	Bedework CALDAV Server
Daniel Boelzle	Mozilla	Lightning and Thunderbird Calendar clients
Tony Becker	Marware	Marware Calendar
Mikeal Rogers	OSAF	Cosmo CALDAV server and Chandler Client
Daniel Rauschenbach	Synchronica	CALDAV Server

Note: Oracle was not present but provided external access to their CALDAV server for testing purposes.

**General Comments**

The following applications and products were tested:

Four CALDAV servers - RPI, Oracle, Apple and OSAF (Cosmo)  
Four CALDAV clients - OSAF (Chandler), Mozilla, Marware and Apple  
iCalendar interoperability – Mozilla and Apple

**General Comments**

The focus of this event was Free Busy and Scheduling testing in CALDAV. As more and more clients are adding in the features, we are able to test more of the spec. During testing, bugs in code were found and noted. One of the benefits of interoperability testing is to stress test implementations in a controlled environment. Each product found situations where they need to go back and adjust their implementations in order to improve interoperability.

Examples of what is tested:

Connection to all CALDAV servers from all clients.  
Successfully publishing events  
Publishing separate calendars  
Handling of errors and authentication

Examples of issues found are:

Serialization of all requests  
Handling of Mkcalendar  
Products not showing first instances  
Not handling EXDATE=a,b,c  
Fetching etags on non-existing resources when adding items  
Error reporting  
Weekly recurring event 4 times - Queries "in between" weeks return no results  
Deleting recurring event with multiple overridden instances  
UI handling of switching between recurring event with count (1.2) that do not update the recurrence field

Deleting some instances, then changing the whole event into an all-day daily recurring one failed (err 500)  
A server that seems to filter out a VALARM and doesn't write it.

### **Summary**

We continue to have good results testing CALDAV clients and servers. General comments again are that it is always good to have interops in person. The ability to stress test in a controlled, "safe" environment is a plus.

The aim of the next interop is to test more CALDAV Scheduling features.

Respectfully submitted, Pat Egen, Interoperability Event Manager