

OASIS-CC Y2K COMPLIANCE REPORT

This document reports on the Y2K compliance of the OASIS-CC software. It first gives a compliance matrix for the different versions of the software. Reasons for non-compliance are then described. The tests conducted to verify Y2K compliance are briefly described in Appendix A.

OASIS-CC Y2K COMPLIANCE MATRIX – VERSION 2

V20514(4.3) – in preparation	COMPLIANT
V020514(4.2)	PARTIALLY COMPLIANT
V020514(4.1) or earlier V020514	NON COMPLIANT
V020513(7e)	PARTIALLY COMPLIANT
V020513(7d) or earlier V020513	NON COMPLIANT
V020512 or earlier versions	NON COMPLIANT

OASIS-CC Y2K COMPLIANCE MATRIX – VERSION 3

8(4) – in preparation	COMPLIANT
8(3) and earlier versions	NON COMPLIANT

PARTIAL COMPLIANCE ISSUE

PARTIAL COMPLIANCE – When an absolute time is entered with a year of zero, the current year is used. For example, in 00/1-00:35:00.00 the year is interpreted as year 1999 when the code is compiled in 1999 and as year 2000 when the code is compiled in 2000.

NON COMPLIANCE ISSUES

NON COMPLIANCE – In addition to the case when the year is entered as zero, when the year in an absolute time specification is entered using only two digits, 1900 is added to the year value. For example in 01/1-00:35:00.00 the year is interpreted as 1901.

OTHER Y2K-RELATED ISSUES WITH OASIS-CC

FILENAME – Filenames generated by OASIS-CC use two digits for the year. Programs that read these files should be coded to interpret correctly the year value.

TIME TAGGING – Event messages are time tagged using two digits for the year. Programs that read these files should be coded to interpret correctly the year value.

APPENDIX A – TESTS CONDUCTED TO VERIFY Y2K COMPLIANCE

The tests are described in detail in the OASIS-CC Y2K COMPLIANCE TEST PLAN document. Final tests were conducted using OASIS-CC 14(4.3 beta).

1 - EXECUTION THROUGH ROLLOVER DATES AND SUSTAINED OPERATIONS AFTER 2000 - Tests were conducted with OASIS-CC acquiring data from 1999 12/31 23:30 to 2000 01/01 01:30 (century crossing). These tests also verified the interpretation of statements containing absolute date specification and the interpretation of delta time crossing the century boundary. In addition, the same type of tests was conducted for the 2000 01/01 23:30 to 2000 01/02 01:30 time range and for the 2000 02/28 23:30 to 2000 02/29 01:30 time range.

2 - RETRIEVAL OF DATA RECORDED ACROSS CENTURY BOUNDARY - Tests were conducted with OASIS-CC retrieving data recorded from 1999 12/31 23:30 to 2000 01/01 01:30 (century crossing)

3 – INTERPRETATION OF TWO-DIGIT YEAR FIELDS– Tests were conducted to verify that OASIS-CC correctly resolves dates with two-digit year field.

4 – CODE ANALYSIS - In addition to testing, code analysis was used to verify Y2K compliance of all the CSTOL statements specifying absolute time or containing implicit or explicit delta time.