

Date:

July 4, 2012

┌

┐

Title:

POLYCHRONY VERIFIER TOOL VERIFICATION RESULTS

Reference:

POLYCHRONY-VERIFIER/TVR version 1

Status:

APPROVED

└

┘

TABLE OF CONTENTS

1 Introduction.....	3
1.1 Purpose of the document.....	3
1.2 Applicable documents.....	3
1.3 Reference documents.....	3
1.4 Abbreviations list.....	3
2 Results for Windows configuration 1.....	4
2.1 Configuration description.....	4
2.2 Polychrony Verifier test results.....	4
3 Results for Windows configuration 2.....	5
3.1 Configuration description.....	5
3.2 Polychrony Verifier test results.....	5
4 Results for Linux configuration 3.....	6
4.1 Configuration description.....	6
4.2 Polychrony Verifier test results.....	6
5 Results for Linux configuration 4.....	7
5.1 Configuration description.....	7
5.2 Polychrony Verifier Test Result.....	7
6 Results for MacOS configuration 5.....	8
6.1 Configuration description.....	8
6.2 Polychrony Verifier Test Result.....	8
7 Overall results.....	9
7.1.1 Actual results.....	9

1 Introduction

1.1 Purpose of the document

This document presents the results of tests performed for the qualification of Polychrony Verifier, as described in the Generic Developer Tool Qualification Plan of Polychrony Verifier document ([R1]).

Results are provided for each configuration defined in chapter 1.1 of the Generic Developer Tool Qualification Plan of Polychrony Verifier document ([R1]).

Tests cases for each configuration are defined in Polychrony Verifier Tool Verification Cases and Procedures document ([R2]).

1.2 Applicable documents

Mark	Designation	Issuer	Reference	Issue
[A1]	Software consideration in airborne systems and equipment specification	RTCA	DO-178	C
[A2]	Software Tool Qualification Considerations	RTCA	DO-330	

1.3 Reference documents

Mark	Designation	Reference	Issue
[R1]	Generic Developer Tool Qualification Plan of Polychrony Verifier	OPEES DELIVERABLE D3.3.3 §7.2.2.1	Latest
[R2]	Polychrony Verifier Tool Verification Cases and Procedures	POLYCHRONY-VERIFIER/TVCP	1

1.4 Abbreviations list

TOR Tool Operational Requirements
TQP Tool Qualification Plan

TVCP Tool Verification Case and Procedures
TVR Tool Verification Results

2 Results for Windows configuration 1

2.1 Configuration description

Table 1: Tool Environment – Windows Configuration 1

PC Identification	Description	Version	Java version (utile?)	AADL To Signal Polychrony Release
PC CSSI 64782	Windows XP Professional 2002	SP3	Java 6 build 1.6.0_30-b12	V1.0.0

2.2 Polychrony Verifier test results

Table 2: Results for Configuration 1

Test case	C files generation	Reference Log file generation	Comparison with reference files	Status
Test_polychrony_001_1	Not generated	Not Generated	FAIL	FAIL
Test_polychrony_001_2	Not generated	Not Generated	FAIL	FAIL
Test_polychrony_003_1	Not generated	OK	OK	OK
Test_polychrony_003_2	Not generated	OK	OK	OK
Test_polychrony_003_3	Not generated	OK	OK	OK
Test_polychrony_003_4	Not generated	OK	OK	OK
Test_polychrony_003_5	Not generated	OK	OK	OK
Test_polychrony_003_6	Not generated	OK	OK	OK
Test_polychrony_003_7	Not generated	OK	OK	OK
Test_polychrony_005_1	Not generated	OK	OK	OK
Test_polychrony_005_2	Not generated	OK	OK	OK
Test_polychrony_005_3	Not generated	OK	OK	OK
Test_polychrony_005_4	Not generated	OK	OK	OK
Test_polychrony_005_5	Not generated	OK	OK	OK
Test_polychrony_005_6	Not generated	OK	OK	OK
Test_polychrony_005_7	Not generated	OK	OK	OK
Test_polychrony_007_1	Not generated	OK	OK	OK
Test_polychrony_007_2	Not generated	OK	OK	OK
Test_polychrony_007_3	Not generated	OK	OK	OK
Test_polychrony_007_4	Not generated	OK	OK	OK
Test_polychrony_007_5	Not generated	OK	OK	OK
Test_polychrony_007_6	Not generated	OK	OK	OK
Test_polychrony_007_7	Not generated	OK	OK	OK
Test_polychrony_007_8	Not generated	OK	OK	OK
Test_polychrony_009_1	Not generated	OK	OK	OK
Test_polychrony_009_2	Not generated	OK	OK	OK
Test_polychrony_009_3	Not generated	OK	OK	OK
Test_polychrony_011_1	Not generated	OK	OK	OK
Test_polychrony_011_2	Not generated	OK	OK	OK
Test_polychrony_011_3	Not generated	OK	OK	OK
Test_polychrony_020_1	OK	OK	OK	OK
Test_polychrony_100_1	OK	OK	FAIL	FAIL
Test_polychrony_100_2	OK	OK	FAIL	FAIL
Test_polychrony_100_3	OK	OK	FAIL	FAIL

3 Results for Windows configuration 2

3.1 Configuration description

Table 3: Tool Environment – Windows Configuration 2

PC Identification	Description	Version	Java version (utile?)	AADL To Signal Polychrony Release
PC CSSI 7283	Windows XP Professional 2002	SP3	Java 7 build 1.7.0_02-b13	V1.0.0

3.2 Polychrony Verifier test results

Table 4: Results for Configuration 2

Test case	C files generation	Reference Log file generation	Comparison with reference files	Status
Test_polychrony_001_1	Not generated	Not Generated	FAIL	FAIL
Test_polychrony_001_2	Not generated	Not Generated	FAIL	FAIL
Test_polychrony_003_1	Not generated	Not Generated	FAIL	FAIL
Test_polychrony_003_2	Not generated	Not Generated	FAIL	FAIL
Test_polychrony_003_3	Not generated	Not Generated	FAIL	FAIL
Test_polychrony_003_4	Not generated	Not Generated	FAIL	FAIL
Test_polychrony_003_5	Not generated	Not Generated	FAIL	FAIL
Test_polychrony_003_6	Not generated	Not Generated	FAIL	FAIL
Test_polychrony_003_7	Not generated	Not Generated	FAIL	FAIL
Test_polychrony_005_1	Not generated	Not Generated	FAIL	FAIL
Test_polychrony_005_2	Not generated	Not Generated	FAIL	FAIL
Test_polychrony_005_3	Not generated	Not Generated	FAIL	FAIL
Test_polychrony_005_4	Not generated	Not Generated	FAIL	FAIL
Test_polychrony_005_5	Not generated	Not Generated	FAIL	FAIL
Test_polychrony_005_6	Not generated	Not Generated	FAIL	FAIL
Test_polychrony_005_7	Not generated	Not Generated	FAIL	FAIL
Test_polychrony_007_1	Not generated	Not Generated	FAIL	FAIL
Test_polychrony_007_2	Not generated	Not Generated	FAIL	FAIL
Test_polychrony_007_3	Not generated	Not Generated	FAIL	FAIL
Test_polychrony_007_4	Not generated	Not Generated	FAIL	FAIL
Test_polychrony_007_5	Not generated	Not Generated	FAIL	FAIL
Test_polychrony_007_6	Not generated	Not Generated	FAIL	FAIL
Test_polychrony_007_7	Not generated	Not Generated	FAIL	FAIL
Test_polychrony_007_8	Not generated	Not Generated	FAIL	FAIL
Test_polychrony_009_1	Not generated	Not Generated	FAIL	FAIL
Test_polychrony_009_2	Not generated	Not Generated	FAIL	FAIL
Test_polychrony_009_3	Not generated	Not Generated	FAIL	FAIL
Test_polychrony_011_1	Not generated	Not Generated	FAIL	FAIL
Test_polychrony_011_2	Not generated	Not Generated	FAIL	FAIL
Test_polychrony_011_3	Not generated	Not Generated	FAIL	FAIL
Test_polychrony_020_1	Not generated	Not Generated	FAIL	FAIL
Test_polychrony_100_1	Not generated	Not Generated	FAIL	FAIL
Test_polychrony_100_2	Not generated	Not Generated	FAIL	FAIL
Test_polychrony_100_3	Not generated	Not Generated	FAIL	FAIL

4 Results for Linux configuration 3

4.1 Configuration description

Table 5: Tool Environment – Linux Configuration

PC Identification	Description	Version	Java version (utile?)	AADL To Signal Polychrony Release
PC INRIA GS6WM4J	Linux / 64 bits	Fedora 16	Java ???	V1.0.0

4.2 Polychrony Verifier test results

Table 6: Results for Configuration 3

Test case	C files generation	Reference Log file generation	Comparison with reference files	Status
Test_polychrony_001_1	Not generated	OK	OK	OK
Test_polychrony_001_2	Not generated	OK	OK	OK
Test_polychrony_003_1	Not generated	OK	OK	OK
Test_polychrony_003_2	Not generated	OK	OK	OK
Test_polychrony_003_3	Not generated	OK	OK	OK
Test_polychrony_003_4	Not generated	OK	OK	OK
Test_polychrony_003_5	Not generated	OK	OK	OK
Test_polychrony_003_6	Not generated	OK	OK	OK
Test_polychrony_003_7	Not generated	OK	OK	OK
Test_polychrony_005_1	Not generated	OK	OK	OK
Test_polychrony_005_2	Not generated	OK	OK	OK
Test_polychrony_005_3	Not generated	OK	OK	OK
Test_polychrony_005_4	Not generated	OK	OK	OK
Test_polychrony_005_5	Not generated	OK	OK	OK
Test_polychrony_005_6	Not generated	OK	OK	OK
Test_polychrony_005_7	Not generated	OK	OK	OK
Test_polychrony_007_1	Not generated	OK	OK	OK
Test_polychrony_007_2	Not generated	OK	OK	OK
Test_polychrony_007_3	Not generated	OK	OK	OK
Test_polychrony_007_4	Not generated	OK	OK	OK
Test_polychrony_007_5	Not generated	OK	OK	OK
Test_polychrony_007_6	Not generated	OK	OK	OK
Test_polychrony_007_7	Not generated	OK	OK	OK
Test_polychrony_007_8	Not generated	OK	OK	OK
Test_polychrony_009_1	Not generated	OK	OK	OK
Test_polychrony_009_2	Not generated	OK	OK	OK
Test_polychrony_009_3	Not generated	OK	OK	OK
Test_polychrony_011_1	Not generated	OK	OK	OK
Test_polychrony_011_2	Not generated	OK	OK	OK
Test_polychrony_011_3	Not generated	OK	OK	OK
Test_polychrony_020_1	OK	OK	OK	OK
Test_polychrony_100_1	OK	OK	OK	OK
Test_polychrony_100_2	OK	OK	OK	OK
Test_polychrony_100_3	OK	OK	OK	OK

5 Results for Linux configuration 4

5.1 Configuration description

Table 7: Tool Environment – Linux Configuration

PC Identification	Description	Version	Java version (utile?)	AADL To Signal Polychrony Release
PC INRIA XXXX	Linux / 32 bits	Fedora XX	Java ???	V1.0.0

5.2 Polychrony Verifier Test Result

Table 8: Results for Configuration 4

Test case	C files generation	Reference Log file generation	Comparison with reference files	Status
Test_polychrony_001_1	Not generated	OK	OK	OK
Test_polychrony_001_2	Not generated	OK	OK	OK
Test_polychrony_003_1	Not generated	OK	OK	OK
Test_polychrony_003_2	Not generated	OK	OK	OK
Test_polychrony_003_3	Not generated	OK	OK	OK
Test_polychrony_003_4	Not generated	OK	OK	OK
Test_polychrony_003_5	Not generated	OK	OK	OK
Test_polychrony_003_6	Not generated	OK	OK	OK
Test_polychrony_003_7	Not generated	OK	OK	OK
Test_polychrony_005_1	Not generated	OK	OK	OK
Test_polychrony_005_2	Not generated	OK	OK	OK
Test_polychrony_005_3	Not generated	OK	OK	OK
Test_polychrony_005_4	Not generated	OK	OK	OK
Test_polychrony_005_5	Not generated	OK	OK	OK
Test_polychrony_005_6	Not generated	OK	OK	OK
Test_polychrony_005_7	Not generated	OK	OK	OK
Test_polychrony_007_1	Not generated	OK	OK	OK
Test_polychrony_007_2	Not generated	OK	OK	OK
Test_polychrony_007_3	Not generated	OK	OK	OK
Test_polychrony_007_4	Not generated	OK	OK	OK
Test_polychrony_007_5	Not generated	OK	OK	OK
Test_polychrony_007_6	Not generated	OK	OK	OK
Test_polychrony_007_7	Not generated	OK	OK	OK
Test_polychrony_007_8	Not generated	OK	OK	OK
Test_polychrony_009_1	Not generated	OK	OK	OK
Test_polychrony_009_2	Not generated	OK	OK	OK
Test_polychrony_009_3	Not generated	OK	OK	OK
Test_polychrony_011_1	Not generated	OK	OK	OK
Test_polychrony_011_2	Not generated	OK	OK	OK
Test_polychrony_011_3	Not generated	OK	OK	OK
Test_polychrony_020_1	OK	OK	OK	OK
Test_polychrony_100_1	OK	OK	OK	OK
Test_polychrony_100_2	OK	OK	OK	OK
Test_polychrony_100_3	OK	OK	OK	OK

6 Results for MacOS configuration 5

6.1 Configuration description

Table 9: Tool Environment – MacOS Configuration

PC Identification	Description	Version	Java version (utile?)	AADL To Signal Polychrony Release
Mac Inria XXXX	MacOs / 64 bits	Lion	Java ???	V1.0.0

6.2 Polychrony Verifier Test Result

Table 10: Results for configuration 5(TODO)

Test case	C files generation	Reference Log file generation	Comparison with reference files	Status
Test_polychrony_001_1	Not generated	OK	OK	OK
Test_polychrony_001_2	Not generated	OK	OK	OK
Test_polychrony_003_1	Not generated	OK	OK	OK
Test_polychrony_003_2	Not generated	OK	OK	OK
Test_polychrony_003_3	Not generated	OK	OK	OK
Test_polychrony_003_4	Not generated	OK	OK	OK
Test_polychrony_003_5	Not generated	OK	OK	OK
Test_polychrony_003_6	Not generated	OK	OK	OK
Test_polychrony_003_7	Not generated	OK	OK	OK
Test_polychrony_005_1	Not generated	OK	OK	OK
Test_polychrony_005_2	Not generated	OK	OK	OK
Test_polychrony_005_3	Not generated	OK	OK	OK
Test_polychrony_005_4	Not generated	OK	OK	OK
Test_polychrony_005_5	Not generated	OK	OK	OK
Test_polychrony_005_6	Not generated	OK	OK	OK
Test_polychrony_005_7	Not generated	OK	OK	OK
Test_polychrony_007_1	Not generated	OK	OK	OK
Test_polychrony_007_2	Not generated	OK	OK	OK
Test_polychrony_007_3	Not generated	OK	OK	OK
Test_polychrony_007_4	Not generated	OK	OK	OK
Test_polychrony_007_5	Not generated	OK	OK	OK
Test_polychrony_007_6	Not generated	OK	OK	OK
Test_polychrony_007_7	Not generated	OK	OK	OK
Test_polychrony_007_8	Not generated	OK	OK	OK
Test_polychrony_009_1	Not generated	OK	OK	OK
Test_polychrony_009_2	Not generated	OK	OK	OK
Test_polychrony_009_3	Not generated	OK	OK	OK
Test_polychrony_011_1	Not generated	OK	OK	OK
Test_polychrony_011_2	Not generated	OK	OK	OK
Test_polychrony_011_3	Not generated	OK	OK	OK
Test_polychrony_020_1	OK	OK	OK	OK
Test_polychrony_100_1	OK	OK	OK	OK
Test_polychrony_100_2	OK	OK	OK	OK
Test_polychrony_100_3	OK	OK	OK	OK

7 Overall results

7.1.1 Actual results

Actual results files are stored in configuration management system in folder *Results\LDRA 7.3.2\WindRiver Compiler 5.2.1.0\tbrun_passfail.*: stocker les resultats sur site polychrony????

Table 11: Qualification results

Configuration	OS	Architecture	STATUS
Configuration 1	Windows	xxx	FAIL
Configuration 2	Windows	xxx	FAIL
Configuration 3	Linux Fedora 16	64 bits	OK
Configuration 4	Linux Fedora xx	32 bits	OK
Configuration 5	MacOs Lion	64 bits	OK
OVERALL	N/A	N/A	FAIL

REVISION HISTORY

<i>Rev.</i>	<i>Date</i>	<i>Prepared by</i>	<i>Reviewed by</i>	<i>Approved by</i>	<i>Reason for change</i>
1	July 4, 2012	T. Le Lagadec	M. Heitz	E. Bonnafous	Initial release
2	17. July 2012	L.Besnard			Adding Linux configurations 3 and 4

FILES

<i>Software packages</i>	<i>User files</i>
Windows 2000	
Word 2000	<i>Template</i> <i>Document:</i> POLYCHRONY-VERIFIER-TVR-001draft_LB.doc

DISTRIBUTION

This document is available in computerized form on a server.

Accordingly, it is not formally distributed in hard-copy form.

Should a printed out copy of this document be used, make sure that you indeed have the latest applicable version by consulting the server.