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| MS-WSP  “The overall goal is to validate the accuracy and usability of Technical Documents” | Version |
| Protocol Test Suite Review |  |

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| Designated Reviewer | Chi Song | PQAR Location & Version | [\\protoreport\SDTestSuites\MS-WSP\Docs\MS-WSP-ProtocolQualityAssuranceReport.doc](file:///\\protoreport\SDTestSuites\MS-WSP\Docs\MS-WSP-ProtocolQualityAssuranceReport.doc) |
| Current Stage | Final | Review Disposition | Conditional |
| Last Updated |  | Apprentice Reviewer |  |

**Based on Template version 1.1.1**

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*Remove ALL items in grey like this before submitting review document*.

# Strategy Review

To be filled out during phase 1 – the “study phase” of the test suite development. Refer to the following [deck](http://sharepoint/sites/pt3/testsuites/Shared%20Documents/Presentations/TestSuiteDevelopmentProcess.pptx) for overall guidance.

## Technical Document review

## PQAR Section 1

The test approach is MBT, and it’s appropriate for this protocol.

# 

TSD Team’s Response:

1. **Section 1.2 Protocol Properties:** It seems the protocol is a synchronous protocol. Please log this information in this section.

**<TSD Response>:**  Updated section 1.2 with synchronicity of the protocol

**Status:** **Closed**

**Section 1.5 Adapter Method Suggested:** Please provide more detail about how to implement or operate the protocol stack, including SMB and named pipe level.

**<TSD Response>:**  added following to section 1.5

“This adapter will be responsible for synthetically framing client messages and send them to server over SMB Named Pipe (\pipe\MSFTEWDS). Server writes back the response to the same pipe. Syntactic validation of response messages from server will be done in adapter.”

**Status:** **Closed**

1. **Section 1.6 Estimates:**
2. The model is not big, so the estimate isn’t reasonable for me.

**<TSD Response>:**  WSP has 28 messages. We initially thought that we needed to abstract most of the messages. Our estimate was based on the number of messages, complexity and nested structure of the messages.

But as we went through, we figured abstraction was unnecessary for most of the messages. Based on the current knowledge and progress on model, we are planning to reduce modeling efforts to 75.

**Status:** **Closed** . We have modified the estimates for modeling phase in Wiki as 75.

MBT is executed automated. What’s the reason for so many days for execution?

**<TSD Response>:**  As part of the resolution of TDI 14472, 3 more SKUs were added. We need to validate on 6 SKUs (including x64 bit OS). Our estimation on test execution is 24 days.

**Status:** **Closed**. We have modified the estimates for test execution phase in Wiki as 24.

# Plan Review

## PQAR Section 2



**<TSD Response>:** Please find our response for PQAR review comments in the embedded document.

## Requirements Specification

1. The PQAR is good on explain the scenarios. But in RS, I cannot see the error scenarios are tested by same requirements. The quality of RS isn’t acceptable.

**<TSD Response>:** Accepted we will change the scenario mapping accordingly.

**Status: Closed.** We have changed the scenario mapping for all the negative scenarios.

1. Req Id column shouldn’t use the formula.

**<TSD Response>:** Accepted we will remove the formula.

**Status: Closed.** Formula removed.

1. R320, *The 2 bytes 'reserved1' field of the CRowVariant structure is Not used. The value MAY be set to any arbitrary value*. It should derive a windows requirement. Please correct all this kind of issue in RS.

**<TSD Response>:** Accepted we will change.

**Status: Closed.** We have derived a requirement for it.

1. R322, <6>On Windows, the server ignores 'reserved1' field of the CRowVariant structure. It seems an independent requirement, not is derived. Please correct all this kind of issue in RS.

**<TSD Response>:** Accepted we will change.

**Status: Closed.** This windows behavior is a TDI, which we will raise.

1. R481, *The additional bits that can be set independently for the 4 bytes '\_QStatus' field of the CPMGetQueryStatusOut message are one of the following: (0x00000010), STAT\_CONTENT\_OUT\_OF\_DATE(0x00000020), STAT\_CONTENT\_QUERY\_INCOMPLETE(0x00000080), STAT\_TIME\_LIMIT\_EXCEEDED(0x00000100).* Why is it unverified? That’s easy to verify. Please correct all this kind of issue.

**<TSD Response>:** Accepted we will change.

**Status: Closed.**

# Design Review

## PQAR Section 3



**<TSD Response>:** Please find our response for PQAR review comments in the embedded document.

## Model Code (if any)

### Model.cs

1. All machines are bound all parameters, so every scenario has one test case. That’s not acceptable. If no special reason, don’t bind so much parameters and actions. If you have much number of test cases, for example, over 500 test cases, you can consider to reduce the test cases.

**<TSD Response>:** Accepted, we have re-defined the machines. Now total no of scenarios is reduced. Parameters are bind only for specific error conditions.

**Status:** **Closed**

1. Some test cases are non-accept result. For example, SlicedS6, SlicedS7.

**<TSD Response>:** Accepted, taken care in all the test cases.

**Status:** **Closed**

### Config.cord

1. Don’t use construct link coverage, it’s replaced by construct test case …. More information please refer to SE User Guide.

**<TSD Response>:** Accepted

**Status:** **Closed**

1. Don’t write sliced independently. Please merge the S\* with SlicedS\*

**<TSD Response>:** Accepted

**Status:** **Closed**

## Test Cases (traditional or supplement to model)

## Adapter Code

1. MessageBuilder.cs line 618 ~ 620 don’t hard code the values. Write them in ptfconfig.

**<TSD Response>:** Accepted

**Status:** **Closed**

1. MessageBuilder.cs line 621. Comment all magic number in code.

**<TSD Response>:** Accepted

**Status:** **Closed**

1. WSP\_TestSuite.ptfconfig move the properties from this file to WSP\_TestSuite.deployment.ptfconfig

**<TSD Response>:** Accepted

**Status:** **Closed**

### Adapter.cs or at least Adapter.chm

### Helper.cs

# Final (Test Implementation and Execution)

Code and debug test suites and adapter. Finish any hand test coding or scenario runs. Save captures, logs, and tested TD version.

## PQAR Section 4 (Overall Test Suite Summary)

The coverage rate is lower than 80%. The reason should be written down clearly about this.

**<TSD Response> Accepted**

**Reason provided for 23% unverified Requirements.**

**Status: Closed**



## Test Report, Logs, Captures

The log should be regenerated by below reasons.

1. There is no capture file for XP-W2k3.
2. Why there are three logs for every platform?
3. It seems the beacon log isn’t enabled when running test suite.

**<TSD Response> Accepted**

**Capture files for XP-W2K3 added.**

**Reasons provided for Three logs in PQAR.**

**Provided Capture files have beacon loggings.**

**Status :Closed**

## Test Setup, VPCs and Environment

There is no major issue on deployment guide.

Issue 1 at page 5:

//NOTE:

//Server IP from 10.50.210.89

//Client IP from 10.50.212.61

//DC IP: fec0::1a49:2aa:ff:fe34:ca1a

//Domain name: WSPDC.Net

**It seems there are some test information here, please remove them.**

Issue 2 at page 15:

1. Find <Property name=" Version" value=" 2.0" />, make sure the value is the Version;

**Which version is it? If there is no necessary to change it, please recommend don’t change it.**

1. Find <Property name=" CLIENT\_VERSION\_32\_BIT " value=" 265" />, make sure the field value is the value defined for 32 bit OS in the TD.

**Remove the spaces in the values.**

**<TSD Response> Accepted**

**Removed unnecessary texts from the deployment doc.**

**Status :Closed**

## Test Code (final model, adapter, and test case code)

### Model.cs

### Config.cord

### Adapter.cs

Please go through the adapter code to correct below kind of issues.

* 1. WspAdapter.cs line 521, all direct captured requirement should write a comment before it.
  2. WspAdapter.cs line 515. Use the pattern like CaptureRequirementIfAreEqual<string>(defaultSender, sender, 598, …);

To capture this kind of requirement.

* 1. WspAdapter.cs line 1221. The capture code seems no reason. It’s not clear to see the code to verify the paddingRows’s range.

**<TSD Response> We’ll add necessary comments and change the RequirementCapture Whereever applicable**

**Status :Closed**

### <Helper.cs>

### <Testcase.cs>

1. As last review said, please move the properties from ptfconfig to deployment.ptfconfig.
2. TestCaseAdmin\_StatusInvalidParameter.cs seems add netmon capture code manually. Please keep the auto-generated code unmodified.

**<TSD Response> We have moved deployment configuration to deployment.ptf**

**Status :Closed**

## Requirement Specification and Coverage

1. R595 marked as **TDI**, please write down which TDI blocks it.

**<TSD Response> Made changes**

**Status :Closed**