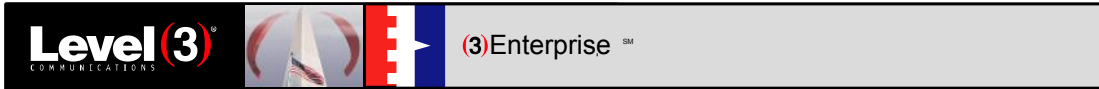


1.0 VOLUME 2, SECTION 2.13 (CONTINUED): Network Operational Support Systems





**(3)EnterpriseSM
Networx Operational Support Systems Verification
Test Plan**

**Level 3 Communications, LLC
Version 2**

Re-submittal March 5, 2007

1.1.1 2.13.3 Verification Test Plan [C.3.9.2.2, F.2(81)]

NETWORX VERIFICATION TEST PLAN

Author: [Redacted]
 Last Updated: [Date Updated]
 File Name: Networx Verification Testing Plan
 Version: 1.0

| Approvals Area | Name | Signature | Date |
|---------------------------|------|-----------|------|
| PMO or GSA Representative | | | |
| CPO Manager- Level 3 | | | |
| Test Manager- Level 3 | | | |

Table 2.13-1: Approval form for Verification Test Plan provides assurance of approvals .

Document Control - Change Record

| Date | Author | Version ID | Change Description |
|------------|------------|------------|----------------------------------------|
| [Redacted] | [Redacted] | 1.0 | Add initial requirements for test plan |
| | | | |
| | | | |
| | | | |

Table 2.13-2: Change record

Roles and Responsibility

| Name | Title and Area |
|------|-----------------------------------|
| | GSA and Government Representative |
| | CPO Manager- Level 3 |
| | Test Manager- Level 3 |
| | Test Lead- Level 3 |
| | Test Team- Level 3 |

Table 2.13-3: Roles and responsibility

Test Manager:

The test manager is responsible for conducting a specific testing session. [Redacted]

[Redacted]

Test Lead:

The test lead is responsible for documenting findings [Redacted]

[Redacted]

[Redacted]

Test Team:

The test team is formed from the users of the system, GSA and Agency representatives, CPO Manager, CPO Users and specified Level 3 testers. [Redacted]

[Redacted]

Introduction and Background

Level 3 values the critical need of solid best in class software verification and testing. Our disciplined approach enables us to evaluate and assess our integrated software during each phase of the software life cycle. We ensure that quality is built into the software during the development and the software meets the user requirements

Based on the project specific requirements Level 3 supports the following types of techniques and tools:

[Redacted]

1.1.2 Statement of Scope

Level 3 will prepare an OSS Verification Test Plan in accordance with the requirements of Section C.3.9, Operational Support Systems, and Section E.3, OSS Verification Testing. We will develop and execute the OSS Verification Test Plan to verify that its OSS meets the requirements of Section E.3, Verification Testing of the Contractor's Operational Support System after Notice to Proceed is given by GSA.

The OSS Verification Test Plan will include acceptance of an order for each of the services specified in C.2 Technical Requirements that we have contracted to provide.

[Redacted text block containing multiple lines of blacked-out content]



[Redacted text block]

Application Overview: (3)Enterprise portal provides an end-to-end OSS approach supporting online functions as specified in the GSA's Networx program for billing, service ordering, customer support, service management, inventory management and program management. By using the (3)Enterprise portal, Government agencies can dramatically shorten provisioning times and obtain internal cost savings due to increased efficiencies, greater customer satisfaction, and the increased business resulting from such services.

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[Redacted text block containing multiple paragraphs of blacked-out content]

[Redacted content]

[Redacted]

| TC # | RFP Sec # | Test Description | Expected Result | Actual Result | Pass and Fail |
|------------|------------|------------------|-----------------|---------------|---------------|
| [Redacted] | [Redacted] | [Redacted] | [Redacted] | [Redacted] | |
| [Redacted] | [Redacted] | [Redacted] | [Redacted] | [Redacted] | |
| [Redacted] | [Redacted] | [Redacted] | [Redacted] | [Redacted] | |
| [Redacted] | [Redacted] | [Redacted] | [Redacted] | [Redacted] | |
| [Redacted] | [Redacted] | [Redacted] | [Redacted] | [Redacted] | |
| [Redacted] | [Redacted] | [Redacted] | [Redacted] | [Redacted] | |
| [Redacted] | [Redacted] | [Redacted] | [Redacted] | [Redacted] | |
| [Redacted] | [Redacted] | [Redacted] | [Redacted] | [Redacted] | |
| [Redacted] | [Redacted] | [Redacted] | [Redacted] | [Redacted] | |
| [Redacted] | [Redacted] | [Redacted] | [Redacted] | [Redacted] | |
| [Redacted] | [Redacted] | [Redacted] | [Redacted] | [Redacted] | |
| [Redacted] | [Redacted] | [Redacted] | [Redacted] | [Redacted] | |

| TC # | RFP Sec # | Test Description | Expected Result | Actual Result | Pass and Fail |
|------------|------------|------------------|-----------------|---------------|---------------|
| [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] | |
| [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] | |
| [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] | |
| [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] | |
| [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] | |

| TC # | RFP Sec # | Test Description | Expected Result | Actual Result | Pass and Fail |
|------------|------------|------------------|-----------------|---------------|---------------|
| [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] | |
| [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] | |
| [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] | |
| [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] | |

| TC # | RFP Sec # | Test Description | Expected Result | Actual Result | Pass and Fail |
|------------|------------|------------------|-----------------|---------------|---------------|
| [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] | |
| [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] | |
| [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] | |
| [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] | |
| [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] | |

| TC # | RFP Sec # | Test Description | Expected Result | Actual Result | Pass and Fail |
|------------|------------|------------------|-----------------|---------------|---------------|
| [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] | |
| [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] | |
| [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] | |
| [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] | |

| TC # | RFP Sec # | Test Description | Expected Result | Actual Result | Pass and Fail |
|------------|------------|------------------|-----------------|---------------|---------------|
| [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] | |
| [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] | |
| [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] | |
| [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] | |
| [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] | |

| TC # | RFP Sec # | Test Description | Expected Result | Actual Result | Pass and Fail |
|------|-----------|------------------|-----------------|---------------|---------------|
| █ | █ | █ | █ | █ | |
| █ | █ | █ | █ | █ | |

[Redacted text block]

2.13.4 Networkx Verification Testing

2.13.4.1 Networkx Services Verification Test Plan

Level 3 will provide a Networkx Service Verification Test Plan 60 days after notice to proceed as specified in Section E.2.2 of the Networkx Enterprise RFP. This plan will document

in detail each service, the test procedures used to ensure KPI/AQL compliance, and change procedures to request additional testing as required by Agencies.

[REDACTED]

[Redacted text block]

2.13.4.3 Performance of Verification Testing at Initial Service Delivery

Level 3 will provide details in our Network Services Verification Test Plan about verification testing for each awarded service [Redacted text]

[Redacted text block]

[Redacted text block]

| [Redacted header] | | |
|-------------------|------------|------------|
| [Redacted] | [Redacted] | [Redacted] |
| [Redacted] | [Redacted] | [Redacted] |
| [Redacted] | [Redacted] | [Redacted] |
| [Redacted] | [Redacted] | [Redacted] |
| [Redacted] | [Redacted] | [Redacted] |
| [Redacted] | [Redacted] | [Redacted] |
| [Redacted] | [Redacted] | [Redacted] |
| [Redacted] | [Redacted] | [Redacted] |
| [Redacted] | [Redacted] | [Redacted] |
| [Redacted] | [Redacted] | [Redacted] |
| [Redacted] | [Redacted] | [Redacted] |
| [Redacted] | [Redacted] | [Redacted] |
| [Redacted] | [Redacted] | [Redacted] |

| | | |
|------------|------------|------------|
| [REDACTED] | [REDACTED] | [REDACTED] |
| [REDACTED] | [REDACTED] | [REDACTED] |
| [REDACTED] | [REDACTED] | [REDACTED] |
| [REDACTED] | [REDACTED] | [REDACTED] |
| [REDACTED] | [REDACTED] | [REDACTED] |
| [REDACTED] | [REDACTED] | [REDACTED] |
| [REDACTED] | [REDACTED] | [REDACTED] |

1.1.2.2 2.13.4.4 Procedures for Adding Service-Specific Test Plan Attachments

In the event that a service-specific test plan attachment needs to be created, the Government Agency can notify the Level 3 Contractor Program Office (CPO) of a requirement for a specific test plan. The Level 3 CPO will then work with the Level 3 Operations and Engineering teams to develop a test methodology that can be used to meet the Agency's requirements [REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

1.1.3 2.13.5 OSS Approach to Security and Performance [L.34.2.3.13.2]



2.13.5.1

[Redacted text block]

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[Redacted text block]

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[Redacted content]

[Redacted text block]

[Redacted text block]

1.1.4 2.13.6 Change Control [C.3.9.2.3]

Level 3 reviews all changes to determine the impact to customers, services and network performance. For all changes that may directly affect the Government or any agencies using the Level 3 Network (from services to OSS, like (3)Enterprise), we will provide notification, per the OSS Change Management Plan.

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[Redacted text block]

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[Redacted text block]

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[Redacted text block]

(3)EnterpriseSM Change Management Plan

Version 2

Level 3 Communications, LLC





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[Redacted text block containing multiple lines of blacked-out content]

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