



APPLICATION FOR PREAPPROVAL SPECIAL SEISMIC CERTIFICATION OF EQUIPMENT AND COMPONENTS

For Office Use Only

APPLICATION NO. OSP - 0003 - 10

Check whether application is: NEW RENEWAL

1.0	Nortel Networks <i>Manufacturer</i> 250 Sidney Street, Belleville,	David Render <i>Manufacturer's Technical Representative</i> Ontario, K8N 5B7
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Mailing Address

613-967-5315

Telephone

drender@nortel.com

E-mail Address

2.0	Option 11C, Option 61-81, NTAK75 Battery Box (Option 11C) <i>Product Name</i>	Private Branch Exchange (PBX), battery back up for Option 11C <i>Product Type</i>
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Option 11C, Option 61-81, NTA75 Battery Box (Option 11C)

Product model No (List all unique product identification numbers and/or serial numbers)

General Description: The Option 11C and 61-81 are systems (platforms) that are part of the Meridian 1 line that delivers call processing and telephony services systems to enterprises. These systems share a common telephony architecture, configurations and equipment. These 3 systems have different enclosures that are related to the size of the system desired.

3.0	Nortel Networks <i>Applicant Company Name</i> 250 Sidney Street, Belleville,	David Render <i>Contact Person</i> Ontario, K8N 5B7
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drender@nortel.com

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I hereby agree to reimburse the Office of Statewide Health Planning and Development for the actual costs incurred by the department for review.

David Render
Signature of Applicant

July 22 / 09
Date

Sr. Mechanical Engineer

Nortel Networks



Registered Design Professional Preparing the Report

4.0 CYS Structural Engineers, Inc.
Company Name

Ryan B. Howard, P.E. C 70593
License Number

Contact Name *License Number*

1760 Creekside Oaks Drive,
Suite 280 Sacramento, CA 95833

Mailing Address

916-920-2020 RvanH@cyseng.com

Telephone *E-mail Address*

California Licensed Structural Engineer Review and Acceptance of the Report

5.0 CYS Structural Engineers, Inc.
Company Name

Arthur E. Ross, S.E. S2030
License Number

Contact Name *License Number*

1760 Creekside Oaks Drive, Suite 280 Sacramento, CA 95833

Mailing Address

916-920-2020 ArtR@cyseng.com

Telephone *E-mail Address*

Anchorage Pre-Approval

6.0

Anchorage is pre-approved under OPA- 2262-, 2263- & 2264-07 (Pending)
(Separate application for anchorage pre-approval is required)

Anchorage is not Pre-approved

Certification Method

70. Testing in accordance with: ICC-ES AC-156 Other (Please Specify):

Analysis

Experience data

Combination of Testing, Analysis, and/or Experience Data (Please Specify):

Testing Laboratory (if applicable)

8.0 Environmental Testing Laboratory, Inc.
Company Name

Brady Richard Contact Name

11034 Indian Trail Dallas, TX 75229-3513

Mailing Address

972-247-9657 brady@etfdallas.com

Telephone *E-mail:*



Approval Parameters

9.0

Design in accordance with ASCE 7-05 Chapter 13: Yes No

Seismic Capacity of Equipment or Components (F_p/W_p) = 1.37

S_{DS} (Spectral response acceleration at short period) = 1.90

a_p (In-structure equipment or component amplification factor) = 1.0

R_p (Equipment or component response modification factor) = 2.5

I_p (Importance factor) = 1.5

z/h (Height factor ratio) = 1.0

Equipment or Component fundamental period(s) = .133 Sec

Building period limits (if any) = Sec

Overall dimensions and weight (or range thereof) = Option 61-81: 31.85"W x 25.5"D x 81", 605#; Option 11C: 22"W x 12"D x 25"H, 75#; Battery Back-Up: 18.75"W x 11.25"D x 11.25"H, 133#

Equipment or Components @ grade designed in accordance with ASCE 7-05 Chapter 15: Yes No

Seismic Capacity of Equipment or Components (V/W) =

S_{DS} (Spectral response acceleration at short period) =

S_1 (Spectral response acceleration at 1 second period) =

R (Response modification coefficient) = 1.0

Ω_0 (System overstrength factor) = 1.0

C_d (Deflection amplification factor) = 1.0

I_p (Importance factor) = 1.5

Height to Center of Gravity above base =

Equipment or Component fundamental period(s) = Sec

Overall dimensions and weight (or range thereof) =

Tank(s) designed in accordance with ASME BPVC, 2007: Yes No

10.0 List of attachments supporting the special seismic certification of equipment or components:

- Test Report
- Drawings
- Manufacturer's Catalog
- Calculations
- Others (Please Specify):

11.0 OSHPD Approval

[Handwritten Signature]
Signature

AUGUST 11, 2009
Date

CHRIS TOKAS
Name

SHFR
Title

Condition of Approval (if any): VALID UP TO $S_{DS}(g) = 1.9$, $z/h = 1.0$ EXP. DATE: 12/31/2012