

GR-63-CORE N.I.Q.

(NEBS Information Questionnaire)

Please complete this questionnaire and submit it by fax to Curtis-Straus at 978-486-8828

The following list of questions are designed to provide Curtis-Straus with the information needed to accurately evaluate your product and write your company's approval reports. Network Equipment-Building System (NEBS) test requirements are stringent and exacting. Failure to perform testing in accordance with the detailed requirements of NEBS could result in the test report being rejected by the Regional Bell Operating Companies (RBOCs). This information must be provided in advance to ensure your product will be tested in the budgeted dollar amount and represented time frame. Failure to provide this information before testing is completed may cause your project to be closed out, resulting in an incomplete product evaluation.

If you have also contracted for NEBS GR-1089-Core please request the combined NEBS 1089 and 63 Information Questionnaire (NIQ). If you have contracted for NRTL listing please request a Product Information Questionnaire (PIQ).

SAMPLES: For our evaluation three samples, two functional with support equipment, should be available for testing. The non-operational sample would be used for the fire test. A minimum of two samples, one functional, one non-functional will be required for testing. Three samples will expedite testing as some operational tests may be run concurrently.

Please provide the following information as it applies to your product:

1. Contact Name and Telephone: _____
2. Contact Email Address: _____
3. Product Name: _____
4. System Model Number(s): _____
5. System Serial Number: _____

NEBS further requires that all subassemblies (such as cards, power supplies, PDUS, fan tray, etc...) be identified. Systems must be fully configured as delivered to RBOCs. The product should be fully operational, suitably configured, and should be typically loaded with production hardware, software and firmware applicable for operation in an RBOC central office operating environment. Please use the table on the next page to identify all system components. Copy as needed.

6. Electrical ratings of the product in (V, A, Hz): _____

7. Please provide information regarding flame rating of plastic material that is rated less than 94V-0: _____

8. Brief description of the product's function, environment of intended use and typical configuration:

9. Please confirm the tests you expect to be completed on your project:

*key: X – requested, NC – Not Contracted For, NA – Not Applicable (see discussion below), PTP – Previously Tested and Passed

Chart of Applicable GR-63-CORE Tests		
Section	Description	This Device
2	Spatial Requirements	
4.1	Temperature, Humidity, and Altitude Criteria	
4.1.1	Transportation and Storage Environmental Criteria	
4.1.2	Operating Temperature and Humidity Criteria	
4.1.2 ATT	AT&T Operating Temperature and Humidity with fast ramps	
4.1.3	Altitude	
4.1.4	Heat Dissipation	
4.2	Fire Resistance	
4.2.2	Equipment Assembly Fire Tests	
4.2.3.1	Material/Components Fire-Resistance Criteria	
4.2.4	Smoke Corrosivity	
4.3	Equipment Handling Criteria	
4.3.1	Packaged Equipment Shock Criteria	
4.3.2	Unpackaged Equipment Shock Criteria	
4.4	Earthquake, Office Vibration, and Transportation Vibration	
4.4.1	Earthquake Environmental Criteria	
4.4.2	Framework and Anchor Criteria	

4.4.3	Office Vibration Environmental Criteria	
4.4.4	Transportation Vibration Criteria	
4.5	Airborne Contaminants	
4.5.2.1	Environmentally Controlled Spaces	
4.5.2.2	Outside Plant Equipment	
4.6	Acoustic Noise	
4.7	Illumination	

10. Weight of the product (Packaged/Unpackaged): _____

11. Dimensions of the product: _____

12. In order to accurately perform the Heat Dissipation evaluation of Section 4.1.4, please indicate the maximum heat dissipation if it will be different from the sample to be tested: _____

13. In addition to the GR-63 requirements some RBOCs have additional requirements. Below is a list of some RBOCs that have additional requirements. Please indicate which RBOCs Standards the product is to be tested to:

*key: X – requested, NC – Not Contracted For, NA – Not Applicable

RBOCs or Companies	This product
AT&T	
Verizon	
SBC	
Bell South	
Qwest	
Other:	

14. Please provide a manual to the product.

15. For operational testing we will place the support equipment outside of the altitude, environmental and earthquake chambers. Please provide information as to what type of support and power cables required to penetrate the chamber to the EUT. Note that some cables are required in advance for testing preparation. Please provide 30 ft cables.: _____

16. Please provide detailed instructions on how to setup the product and support equipment, initiate the correct operating state to generate traffic. Please include a connection diagram and the programming or button sequence to operate the equipment. Information on the parameters to monitor during the test such as LEDs, Bit Error Rate counters, incrementing displays, etc. is also required. For example, on a bit error rate tester, the number of packets sent should go up, the number of errors not change. Give thought to a (preferably

simple) test that verifies that the monitoring parameters are functioning. For example, if a data loop is broken then the monitoring functions should indicate an error condition. Each operational sample of the product must be provided with it's own support equipment to confirm operation.

17. Please provide additional shipping packaging for the sample for verification of Transportation and Storage Environmental Criteria and Transportation Vibration Criteria.
18. The Airborne Contaminants evaluation is performed for equipment intended for indoor use or outdoor use. Please indicate the intended location of the equipment (indoor or outdoor): _____
19. For earthquake and office vibration testing, an equipment rack rated for earthquake Zone 4 is required. Please inform Curtis-Straus if this type of rack will be provided.
20. Verizon requires a fire resistance database to determine or identify test anomalies for equipment subjected to Fire Resistance Testing. An estimate of the maximum possible fuel load of polymeric materials in the fully equipped frame or subassembly should be documented (e.g., structural materials, electronic and electrical components, and associated wire and cables provided or specified by the equipment supplier). If you would like your product evaluated to Verizon Fire Resistance Requirements, please fill out the table on page 6 and 7 of this document. Please copy the pages as needed if more space is required. Alternately, needle flame testing may be performed on individual circuit packs to evaluate subassembly fire resistance.

Category of Item	Type of Polymer	Mass of Item (grams)	Item's % mass of the total polymer mass in the unit	UL94 Rating	Oxygen Index –if not V-0