

FORM CF-S&V | CHAPTER RECOMMENDATION FOR FIRM CERTIFICATION IN MEASUREMENT OF SOUND AND VIBRATION



FIRM

Firm Name: _____

Street Address: _____

| City | State | Country | Zip/Postal Code |
|------|-------|---------|-----------------|
|------|-------|---------|-----------------|

Phone: _____ Fax Number: _____

Email Address: _____ Website Address: _____

CERTIFIED PROFESSIONAL

Designated CP Name: _____ Certification Number: _____

Street Address: _____

| City | State | Country | Zip/Postal Code |
|------|-------|---------|-----------------|
|------|-------|---------|-----------------|

Phone: _____ Email Address: _____

Date submitted to Chapter for review: _____

NEBB Chapter: _____

The Chapter has verified that the Firm:

- Has maintained a reputation for responsible performance
- Has paid applicable fee
- Possess the current edition of the S&V Procedural Standard
- Is in good standing with the local chapter

This recommendation is submitted on behalf of the Chapter Board of Directors by:

Signature: _____ Date: _____

(Chapter Technical Committee Chairman)

Print Name: _____

FOR NEBB USE ONLY

Date Received: _____ Date Shipped: _____

Notes: _____ Firm Cert: _____



NEBB CODE OF BUSINESS ETHICS

This form needs to be completed by an Authorized Representative of the Firm **and** the Designated Certified Professional

Each NEBB Certified Firm and designated NEBB Certified Professional shall not act in any manner that detracts from the reputation of NEBB for certifying Firms and certifying Professionals who provide quality service, in accordance with NEBB Standards, in a timely and professional manner or in any other such manner that is, likewise, not in the best interest of NEBB.

The designated NEBB Certified Professional shall ensure that the NEBB Certified Firm only performs work, which that person can adequately supervise, and the designated NEBB Certified Professional must have the authority to manage all aspects of a Firm’s work, ensure quality work is performed on a timely basis.

- I. NEBB Certified Firms and the designated NEBB Certified Professional shall:
 - a. perform their work in accordance with the current NEBB Procedural Standards.
 - b. prepare details reports, which are accurate and reliable and which are prepared under the direct supervision of a NEBB Certified Professional and in accordance with the appropriate and current NEBB Procedural Standards
 - c. report all equipment and system deficiencies, which prevent them from completing their work and preparing a final report, specifically and expressly noting in any preliminary report that it is preliminary and not final and not sealing any such report
 - d. report and address problems, if encountered, and when a problem exists, notify appropriate project personnel by providing input as to the cause of the problem and recommend possible solutions
 - e. perform their services professionally and with respect for the client’s property and personnel

- II. Certification of a NEBB Certified Firm and certification of the designated NEBB Certified Professional may, in accordance with provisions and procedures set forth in NEBB’s Operational Procedures, be suspended or terminated for, among other, the following reasons:
 - a. failure to pay annual fees and/or recertify, as provided, in the NEBB Bylaws and Operational Procedures
 - b. failure to abide by the provisions of NEBB’s Bylaws and its Operational Procedures
 - c. conduct by a NEBB Certified Firm or NEBB Certified Professional, which, as found by the NEBB Board of Directors, is not in the best interest of NEBB

- III. No person who is a local chapter or national official, officer or committee member shall use information gained in that capacity for any purpose other than performing the responsibilities of that person’s position. Use of such information for any other purpose is grounds for suspension or termination of any NEBB certification held by that person and, in circumstances where such use is done with the knowledge of an owner, directly or indirectly, of a NEBB Certified Firm, for suspension or termination of that Firm’s certification.

The undersigned, by their signatures below, acknowledge having read the foregoing NEBB Code of Business Ethics, acknowledge that they fully understand its content and agree to follow the NEBB Operational Procedures and the Code of Business Ethics.

Signature of designated NEBB Certified Professional

Date

Print Name

Firm Name

Signature of Firm Officer

Date

Print Name

Title

Firm Name: _____

| REQUIRED SOUND MEASUREMENT INSTRUMENTS - Procedural Standard 2015 Third Edition | | | | | | |
|---|-----------------------------|--|----------------------|--------------------------|--------------------------|---|
| Instrumentation Type | Measurement Type | Specifications | Calibration Interval | Own (Check) | Rent (Check) | If Owned Serial Number and Calibration Date |
| Sound Level Meter | Sound Pressure Measurements | Shall meet the Type 1 or Type 2 requirements specified in the most current version of <i>ANSI S1.4 American National Standard Specification for Sound Level Meters</i> | 12-months | <input type="checkbox"/> | <input type="checkbox"/> | Serial Number: |
| | | | | | | Calibration Date: |
| Third or Full Octave Filter Set | Sound Pressure Measurements | Shall meet the requirements specified in the most current version of <i>ANSI S1.11 American National Standard Specification for Octave-Band and Fractional-Octave-Band Analog and Digital Filters</i> | 12-months | <input type="checkbox"/> | <input type="checkbox"/> | Serial Number: |
| | | | | | | Calibration Date: |
| Real Time Analyzer | Sound Pressure Measurements | Shall meet the Type 1 or Type 2 requirements as specified in ANSI S1.4 and S1.11, and Frequency range capability = 20 – 20,000 Hz, True dynamic range ≥ 70 dB, Memory for storage of measurements. Shall meet the requirements specified in the most current version of ANSI S1.11 American National Standard Specification for Octave-Band and Fractional-Octave-Band Analog and Digital Filters. | 12-months | <input type="checkbox"/> | <input type="checkbox"/> | Serial Number: |
| | | | | | | Calibration Date: |
| Acoustic Calibrator | Sound Pressure Calibrator | Shall meet the requirements specified in the most current version of <i>ANSI S1.40 American National Standard Specification for Acoustical Calibrators</i> | 12-months | <input type="checkbox"/> | <input type="checkbox"/> | Serial Number: |
| | | | | | | Calibration Date: |

Notes: Firms may own or rent vibration instrumentation. Check whichever box applies. If rented, sound instrumentation serial numbers and calibration dates are not required.

1. Sound level meters with vibration integrators are NO LONGER acceptable for NEBB approved instrumentation for making vibration measurements.

That is 1/3-octave or full octave vibration readings are not sufficient for NEBB S&V work.

Firm Name: _____

| REQUIRED VIBRATION MEASUREMENT INSTRUMENTS - Procedural Standard 2015 Third Edition | | | | | | |
|---|------------------------|---|----------------------|--------------------------|--------------------------|---|
| Instrumentation Type | Measurement Type | Specifications (Shall meet the minimum requirements as specified below) | Calibration Interval | Own (Check) | Rent (Check) | If Owned Serial Number and Calibration Date |
| Vibration Analyzer / Meter, Real Time Analyzer and Spectrum Analyzer | | Displacement – 0.1 to 100 mils (0.0001 to 0.1 inches) Velocity – 0.0005 to 10 in/sec Acceleration – 0.0001 to 50 G’s Frequency Range – 1 to 1000 Hz (60 to 60,000 RPM) Frequency Resolution (bandwidth) – at least 1 Hz (1 / 60 RPM) Minimum Lines of resolution ≥ 1600 Detection – Peak, Peak-to-Peak, RMS FFT Windowing – Rectangular, Hanning Averaging – exponential or time and selectable to at least four | 12-months | <input type="checkbox"/> | <input type="checkbox"/> | Serial Number: |
| | | | | | | Calibration Date: |
| Accelerometers / Transducer | Vibration Measurements | Shall have the following minimum specifications: Sensitivity (± 10%) ≥ 100 mV/G Measurement Range = ± 50 G peak Frequency Range = 2 to 3000 Hz at ± 5% | 12-months | <input type="checkbox"/> | <input type="checkbox"/> | Serial Number: |
| | | | | | | Calibration Date: |

Notes: Firms may own or rent vibration instrumentation. Check whichever box applies. If rented, vibration instrumentation serial numbers and calibration dates are not required.
 1. Vibration meters, which ONLY acquire and display the overall vibration level, displacement, velocity and/or acceleration DO NOT meet minimum requirements for vibration instruments. These types of meters may only be used if the contract documents specifically allow for their usage.

**VERIFICATION OF INSTRUMENT RECORD – NEBB MEASUREMENT OF SOUND AND VIBRATION
FORM CF-S&V FIRM CERTIFICATION**

I certify that the firm (name): _____

- a. Owns or has provisions for renting instruments required for NEBB Sound and/or Vibration certification, including, but not limited to, those lists on the instrument sheets(s) of this form meeting the listing requirements and calibrated/certified to NEBB’s minimum standard.
- b. In the event that the instruments are owned by the NEBB Certified Firm, has a sustained calibration and maintenance plan that conforms to NEBB guidelines, described in the current edition of the NEBB *Procedural Standards for Measurement of Sound and Vibration*. Calibration of instruments as required by NEBB has been accomplished in accordance with that document.
- c. Has in its employ a designated NEBB Certified Sound and/or Vibration Professional who has previously met the NEBB requirements for qualification.

Name Printed: _____ Position: _____

Signature: _____ Date: _____
(Authorized Representative of Firm)

CHAPTER TECHNICAL COMMITTEE CONFIRMATION

The required instrumentation as listed on this form were verified by me on: _____
(date)

Signature: _____ Print name: _____
(Chapter Technical Committee Representative)