IN THE FIELD

4

Meter Setup

Done Initials

- ☐ _____ Practice best in-field mic / meter setup practices
- ☐ _____ Avoid reflective surfaces
- ☐ _____ Be mindful of unexpected noise sources
- ☐ _____ Measure at property boundary
- ☐ _____ Verify “Environmental Issues” assumptions
- ☐ _____ Field calibrate!

Recordkeeping

- ☐ _____ Document with photos
- ☐ _____ Date/Time for correlation with records
- ☐ _____ Optional GPS
- ☐ _____ Additional field notes

Troubleshooting

- ☐ _____ Verify Cloud Data if using
- ☐ _____ Confirm data is near expected values
- ☐ _____ Check audio stream (if available)
- ☐ _____ Field check if possible

GATHERING FROM FIELD / RETURNING

- ☐ _____ Stop / Store active file if on Continuous Run
- ☐ _____ Perform a field calibration post-test for comparison
- ☐ _____ Detach mic and preamp, store in cases
- ☐ _____ Remove and verify your data from meter(s) and USB stick(s)
- ☐ _____ Unplug and batteries

Notes _____

Larson Davis manufactures and sells a complete line of Noise Monitoring Systems. The Modal Shop offers these Larson Davis systems via a worldwide Rental Program. Contact us for details!

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FOLD ALONG THIS LINE

MD-0456 revB

NOISE MONITORING CHECKLIST

1

We get it, outdoor measurements can be tricky! Depending on the test, you may not get a second chance, so it’s important to get it right the first time. The checklist below can streamline your test from beginning to end, helping you avoid common issues from inadequate weather protection to incorrect or incomplete data collection.

TESTING PLAN

Measurement Type

Done Initials

- ☐ _____ Investigate local or state guidelines
- ☐ _____ Review any past data to ensure parameter match
- ☐ _____ Plan for expected minimum and maximum test durations
- ☐ _____ Educate / understand measured parameters
- ☐ _____ Explore budget options (rent for limited capital)

Analyzer / Sound Level Meter

- ☐ _____ SLM meets applicable standards (S 1.4, etc.)
- ☐ _____ Can measure all expected acoustic parameters
- ☐ _____ Additional parameters (GPS, temperature, wind speed, etc.)
- ☐ _____ Alert/alarm notifications required? (Yes / No)
- ☐ _____ Remote access capability required? (Yes / No)
- ☐ _____ Adequate memory / power / environmental protection

Microphone Selection

- ☐ _____ Response Type e.g., Free-field (Mic / Digital Correction)
- ☐ _____ Verify upper and lower levels and frequency
- ☐ _____ Microphone support / mounting plan
- ☐ _____ Environmental protection plan
- ☐ _____ Microphone Health Check (storage, handling)

Notes _____

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PLANNING THE MEASUREMENT AND SETUP

2

Done Initials

- ☐ _____ Verify adequate memory for setups
- ☐ _____ Verify numeric data / frequency
- ☐ _____ Audio recordings – how often / what types
- ☐ _____ Consider dynamic triggering for transients
- ☐ _____ Short audio recordings for background noise
- ☐ _____ Audio compression options (.ogg / .wav)

Remote Data

- ☐ _____ Adequate data coverage
- ☐ _____ Data management planning
- ☐ _____ Define alerts / alarms
- ☐ _____ Identify stakeholders and contact methods

Power Considerations

- ☐ _____ Plan for duration of deployment
- ☐ _____ Estimate power requirements
- ☐ _____ Select from available power options (line, solar, battery)
- ☐ _____ Enable power save settings as needed

In-Situ Environmental Topics

- ☐ _____ Wind (windscreen, weather measurements)
- ☐ _____ Temperature
- ☐ _____ Humidity
- ☐ _____ Other Water (flooding / snow / sprinklers)
- ☐ _____ Ambient pressure
- ☐ _____ External vibration
- ☐ _____ Animals
- ☐ _____ Humans
- ☐ _____ Unexpected nearby sound sources
- ☐ _____ Equipment labeling plan

Notes _____

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PREP IN THE OFFICE

3

Calibration Topics

Done Initials

- ☐ _____ Valid factory cal (meter / mic / preamp / calibrator)
- ☐ _____ Plan for field calibration on-site
- ☐ _____ Include extension cables, etc. if needed

Using the Meter

- ☐ _____ Check for meter updates (firmware)
- ☐ _____ Familiarization with user interface
- ☐ _____ Take / store / verify sample data
- ☐ _____ Create and store Master Setup File
- ☐ _____ Set up meters / Push setup to all meters
- ☐ _____ Synchronize time

Notes _____

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