

Geonics EM34-3 Deep Ground Induction System — Quick Reference Checklist

Field Technician Calibration & Service Execution Form

Technician Name:	_____	Date:	2026-____-____
Station / Location:	_____	Instrument S/N:	_____
Weather / Ambient Temp:	_____ °C / _____ % RH	Battery / Power Level:	_____ V DC

Step #	Procedure / Audit Task	Target Range / Criteria	Status
1	Transmitter Battery Check	Console BAT reading between 720 and 1500	☐ Pass ☐ Fail
2	Receiver Battery Check	Console BAT reading between 720 and 1500	☐ Pass ☐ Fail
3	Inter-Coil Cable Selection	10m, 20m, or 40m cable inspected	☐ Pass ☐ Fail
4	Separation Mode Alignment	Needle centered at zero in Sep mode	☐ Pass ☐ Fail
5	Horizontal Dipole (HD) Orientation	Coils vertical, coplanar, aligned	☐ Pass ☐ Fail
6	Vertical Dipole (VD) Orientation	Coils horizontal, coplanar, flat on ground	☐ Pass ☐ Fail
7	Scale Range Selector Check	Set to 10, 30, 100, or 300 mS/m	☐ Pass ☐ Fail
8	Noise & Interference Audit	Zero high-voltage line interference	☐ Pass ☐ Fail
9	Operator Metal De-Check	Belts, boots, keys removed from coils	☐ Pass ☐ Fail
10	Field Logbook Data Recording	HD/VD values logged with GPS coordinates	☐ Pass ☐ Fail

FIELD REMARKS & CONDITIONAL OBSERVED ANOMALIES:

PREPARED BY (DOCUMENT CONTROL): Lead Field Specialist: Kadeem Manning Role: Author & QA/QC Reviewer Signature: <i>Kadeem Manning</i> Date: 2026-09-16	FIELD TECHNICIAN EXECUTION SIGN-OFF: Technician Signature: _____ Printed Name: _____ Execution Date: 2026-____-____ Status: ☐ Approved ☐ Follow-Up Req.
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