

Technical Inspection Checklist

All teams are expected to arrive at Delsbo train station with their vehicles at 12:00 on the Thursday before the competition. During Thursday or Friday, each team needs to complete a full test run on the competition track as a part of the technical inspection.

Safety Checklist

The following safety checklist represents a minimum of the different safety checks. Common sense should always be applied.

- Derailment safe (wheel distance and taper, etc. OK)
- Mechanical emergency brake OK
- Safe entry and exit of vehicle (also quickly in case of emergency) OK
 - Possible to open the vehicle from the inside
- Backrests OK
 - 60 to 90 degree angle
 - Minimum height 35 cm
- Safe floors/seats
 - Possible to sit resting on buttocks
 - No risk for fingers/limbs getting stuck in wheels, ground or railway sleepers
- Electrical & battery safety
 - Voltage (nominal 12 to 48 V, maximum 60 V)
 - Maximum momentary current 20 A
 - Battery condition OK
 - Cables/connectors/connections OK/safe/appropriate
 - Fuse OK
 - Li-ion battery flame barrier/protection OK
 - Li-ion battery battery management system OK
 - Load dump protection circuit OK

Competition & World Record Eligibility Checklist

- Maximum vehicle weight without passengers: 150 kg (GWR requirement only ¹)
- Minimum average passenger weight: 50 kg
- Measuring unit calibration OK
- Measuring unit tampering seal OK
- No extra energy sources
 - Capacitors discharged before run
 - Optional button cell battery for memory/clock retainment OK
- Average speed (10 to 15 km/h during the whole run) OK

Signature: _____

Date: _____

¹ This requirement is mandated by Guinness World Records and it is not necessary for competing at Delsbo Electric or for world record attempts hosted by us. We do not like this requirement, and we will try to apply for an official Guinness World Record in case the winning vehicle weighs more than 150 kg, but we cannot guarantee that the record will be recognized by Guinness in this case.