

EV Inspection Checklist

(LTA EV Inspection Sheet 2016.xls)

Date:

Vehicle No.:

Voltage class:

Car:

Motorcycle:

Energizing Vehicle:

Rider/Driver demonstrates how they turn vehicle power on.

Rider/Diver demonstrates how they know vehicle is energized.

Rider/Driver demonstrates how others will know vehicle is energized.

Rider/Driver demonstrates effective use of lanyard tether (optional for S and SCS).

Rider/Driver demonstrates use of master shutoff with hands on grips.

Rider/Driver demonstrates master cutoff switch mounted on rear of vehicle.

Master cutoff switch marked "OFF" (or lit up when active). (If push-pull: "push" must be OF

Ensure that rider/driver has turned off vehicle before proceeding with inspection.

Battery Pack:

No wet ("free liquid") battery cells.

Not located above top of drive tires in open-wheeled cars.

Battery pack(s) are securely installed.

Safety devices:

Safety contactor.

Battery pack(s) have over-current protection (fuse, breaker, or other solution).

Fuses/breaker and safety contactor rated at higher DC voltage than total max pack volta

Safety contactor not routinely used to switch current.

Traction system wiring must be completely isolated from chassis.

Any wiring >24 volts is covered in race-ready condition.

Open frame motors shielded.

Fire extinguisher (minimum 5 lb) present in pit area.

Chain drive cars equipped with guard, minimum .125" steel or .250" aluminum covering width and top run of chain to centerline of sprockets

Streamliners (S) and Sidecar Streamliners (SCS) only:

Motor and battery located outside of rider's compartment.

No traction wiring in rider's compartment (instrumentation wiring allowed).

Onboard fire extinguishing system directed at high voltage components.

Battery pack ground fault check (strongly recommended)

It is recommended that the competitor performs this check under the observation of the inspector.

Battery pack + to chassis, voltage dies down to <1 V within seconds.

Battery pack - to chassis, voltage dies down to <1 V within seconds.

Pack Voltage(s) at initial technical inspection

Pack installed in vehicle:

	V
	V

Exchange pack _____:

Recommended equipment:

Service disconnect (optional, but strongly recommended).

Battery Management System (BMS) (optional, but strongly recommended).

Safety Data Sheet for battery cells presented.

INSPECTOR:

