Telematics RFP checklist for EV support

Use this checklist to verify your telematics provider has everything you need to fully support the adoption and management of the electric vehicles in your fleet.

Determining EV suitability

		Geotab	Other provider
Range capability	Determine which vehicles currently on the market meet your fleet's needs. Note: This should be informed by real-world range capabilities of EVs in the market today.	**EV Suitability Assessment** Add-on (free)	
Charge viability	Define where vehicles will be able to charge based on dwell time and likely state-of-charge (SOC).	**EV Suitability Assessment** Add-on (free)	
Total cost of ownership (TCO)	Create a more accurate representation of the true cost of the EV over its lifespan, including savings from reduced fuel and maintenance costs. Note: You should have the ability to include applicable rebates.	**EV Suitability Assessment** Add-on (free)	
Projected carbon emission reduction	Understand the potential environmental impact by reviewing the estimated amount of avoided CO_2 emissions.	**EV Suitability Assessment** Add-on (free)	

Operating electric

		Geotab	Other provider
State-of-charge	Monitor the amount of energy remaining in the EV's battery in real time. Represented as a percentage, ideally reported at every 1% change.	✓	
Detailed live map view	View the location of all fleet vehicles on a map, with detailed information like EV SOC.	✓	
Electric energy economy	Track performance and manage costs by calculating the total electric energy consumed over the total distance traveled.	✓	

Operating electric	Geotab	Other provider
Active charging status Quickly identify which EVs are charging, their location and when their charging cycle will be complete.	**EV Charge Assurance** Add-on (free)	
Alerts and notifications Send customized emails, SMS text messages or push notifications to both the management team and the driver. Enable alerts for specific situations, such as "low SOC" or "EV not charging".	✓	
Fuel and EV energy usage Measure energy used while driving in kWh or Wh, and in fuel economy equivalents (e.g., MPG-e). For Plug-in Hybrids (PHEVs), the ability to measure fuel consumption and compare it to the amount of energy used.	✓	
EV charging history log Track all charging events and report on key metrics including: • Start/end date and time • Location by GPS and street address • Geofence (Zone) • Starting/ending charge % (SOC) • Energy added (in kWh and Wh) • Max power (in kW and W) of the charge event • Current (AC or DC) • AC voltage	✓	
Energy added from non-charging (regenerative) sources Track the amount of energy recuperated through regenerative braking, in kWh and Wh.	✓	
Monitor driver behavior Identify opportunities for improving efficiency and sustainability practices including: • Idling time • Harsh events • Charging exceptions • Using electric energy as much as possible (PHEV)	**Green Fleet Dashboard** Add-on (free)	
Detailed cost analysis for charging Get a detailed view of EV charging and its associated costs: • Hourly energy and cost breakdown • All charging events, inside and outside of selected zones • Cost breakdown by zone or vehicle	**EV Charging Cost** Add-on (free)	

Customization

		Geotab	Other provider
Geofences	Optimize routing and EV utilization by creating established "zones" for areas that have vehicle restrictions, such as "low emissions zones."	✓	
EV-specific units of measurement	Toggle between EV-specific units of measurement to more accurately compare to ICE vehicles. • L-e/100 km • MPG-e (US) • km/L-e • MPG-e (Imp) • kWh/100 km • kWh/100 mi • Wh/km • Wh/mi • km/kWh • mi/kWh	✓	

Support

		Geotab	Other provider
Mixed fleet capability	Manage your EVs and ICE vehicles within the same platform, allowing you to accurately compare their efficiency.	✓	
Model support	Meet current and future needs by ensuring data insights are supported across a variety of makes/models.	✓	
Partner integration	Supports integration with related companies within the EV ecosystem including: • Charging equipment • Smart-charging solutions • OEM integrations	✓	

Drive the future of your fleet forward with confidence: Visit **www.geotab.com/ev** or email **evsales@geotab.com**

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