

HERE ISA Map

Reliable and up to date Speed Limits for Intelligent Speed Assist (ISA) systems

HERE ISA Map is a content product that enables Intelligent Speed Assistance. ISA is mandatory since July 2022 for in-vehicle systems for new types of cars, vans, trucks and buses which will support drivers to comply to Speed Limits on all roads of each EU country (27). As of July 2024, all vehicles newly sold or registered in the EU must be equipped with ISA.

ISA systems only using on board cameras capturing Speed Limits will not be able to achieve the 90% ISA regulation test criteria target and therefore need an additional source for Speed Limit information. 60% of speed limits are not explicitly sign posted but are based on implicit signs or road rules and regulations. With HERE ISA Map, HERE provides high quality and freshness Speed Limits with comprehensive coverage across the globe.

Automotive use cases

- Display Speed Limits for all road types
- Speed Limit Warning Function when Speed Limit is being exceeded
- Speed Limit Control Function automatically limits vehicles speed to speed limit



Trusted Automotive Partner
180 million vehicles and 50 OEM brands using HERE technology.



Adhere to ISA EU regulations and beyond
HERE ISA Map provides high quality and freshness Speed Limits with comprehensive coverage.



Solutions for different market segments
Supporting low end (SAE L1) Mid Range (SAE L1) and High end (SAE L2-3)

Product features

- **Road Topology with selected attributes.** Selected Map attributes for ISA solutions to minimize data footprint (for instance for low end range of vehicles)
- **Explicit and implicit Speed Limits.** Explicit Speed Limits are visible on signs, implicit Speed Limits are road signs which do not show a numerical value, for instance for administrative areas. Whatever the sign, speed limits are coded on road segment level in the HERE ISA Map
- **Location of variable Speed Signs.** To help systems with camera based sensors detect and apply variable Speed Limits, the location of variable speed limit signs are included in the HERE ISA Map
- **Road Rules and Regulations.** General country or regional Speed Limits rules, including conditional Speed Limit rules are coded to all roads where applicable to ensure the speed limits are available in the HERE ISA Map for all roads and at all times
- **Commercial Vehicle Regulations.** Rules and regulations which apply to commercial vehicles on country, regional and city level . Conditional Rules are included



Data format

Available in:
RDF (compilation
proprietary format), NDS
Classic 2.5.4, and as an
NDS.Live map service



Coverage

Worldwide coverage
(excl KR, CN, JP)

Solution description

HERE offer for Intelligent Speed Assistance consists of:

- **HERE ISA Map:** Road Network, selected attributes, explicit and implicit speed limits
- **HERE Map for ADAS:** HERE ISA Map, ADAS data for Lane Keeping and ACC
- **HERE Speed Limit Layer:** Connected solution offering explicit and implicit speed limits with road network reference - updated daily. Can be consumer as add-on to any kind of HERE map data.

About HERE Technologies

HERE has been a pioneer in mapping and location technology for almost 40 years. Today, HERE's location platform is recognized as the most complete in the industry, powering location-based products, services and custom maps for organizations and enterprises across the globe. From autonomous driving and seamless logistics to new mobility experiences, HERE allows its partners and customers to innovate while retaining control over their data and safeguarding privacy. Find out how HERE is moving the world forward at here.com.