

HERE Products and Ancillary Offerings to The Eastern Transportation Coalition

The HERE Map

HERE Map enables use cases such as point-to-point routing, turn-by-turn navigation, advanced navigation for cars and trucks, business intelligence, planning and optimization and much more. The HERE Maps product line can be further enriched with additional curated and specialized location content products that enable you to build differentiating location-enabled services and applications. Over 50 premium location content products seamlessly integrate with the HERE Map Data product line, such as Places, Point Addressing, Trucks, Road Infrastructure and many more.

Format

Available in the following formats: GDF, RDF, NavStreets, FGDB and NDS.

Coverage

More than 200 countries and local territories globally

*Only limited attributes of selected Places categories are included.

- Worldwide coverage with more than 65.2 million km of roads
- Over 900 different map attributes that provide meaning and location context to all relevant characteristics, restrictions and rules that are needed to create a representative 2D or 3D model of the world
- Maps for 200 countries and territories, with varying levels of coverage of road, pedestrian and bicycle geometry and attributes
- Worldwide coverage of more than 100M Places, covering the most relevant categories for your application
- Over 270 million footprints of buildings and structures and expanding rapidly
- Building footprints and cartography provide detailed land-use and land-cover information, including how and where the Earth's surface is populated with buildings and structures

HERE Real-Time Traffic

Traffic insights to keep drivers moving

Description

HERE Real-Time Traffic helps drivers reach their destinations efficiently and in a stress free way. It delivers up-to-the-minute information about traffic conditions and incidents that could cause delays, including slower than normal traffic flow, road works and accidents. It then helps drivers make the best decisions about the rest of the journey by improving the accuracy of arrival times.

Traffic data is aggregated and analyzed from a sophisticated mix of sources - including high-quality connected car probes - to accurately reflect real-world road conditions. HERE Real-Time Traffic is also the first service to incorporate vehicle sensor data, which enables fast detection of hard braking events. Sources include:

- Probe data
- Vehicle sensor data
- Fixed sensors
- Government sources
- Trillions of historical traffic records

Availability

Commercially available

Format

- Broadcast Real-Time Traffic is available via RDS, HD radio and TPEG over DAB (availability varies by country)

is available over the internet via TPEG over HTTP and XML: OLP APIs & JSON

- XML – Available in six countries in the Americas, 46 countries in EMEA and 11 countries in APAC

- TPEG over HTTP – Available in six countries in the Americas, 46 countries in EMEA and 11 countries in APAC

in the Americas, seven countries in EMEA and three in APAC

- HD+ – Available in the United States and Canada
- DAB – Available in Germany

HERE Traffic Analytics - Ancillary Offering

Harnessing location analytics for effective road planning

Description

HERE Traffic Analytics is a suite of data products that helps enterprise and government customers understand what happens on roadways in order to make informed decisions such as future traffic flow management and road network performance.

Speed Data

Description

Vehicle speed data analytics information from a database of trillions of GPS probe data points enable custom traffic analysis in enterprise and government applications.

Features

- Based on HERE Probe Data, averaged in five-minute increments – includes analytical fields like standard deviation, min/max
- Speeds for every calendar day, in five-minute epochs (365x24x12)
- Referenced to TMC* codes or HERE Map Links
- The Truck Speed data feature offers truck and freight performance reliability to improve economic competitiveness and speed results on roadways
- Based on an archive of more than a trillion probe points

- No modelling is applied: this is strictly a record of what was observed without alteration to allow for the best possible analysis
- Includes arterial probe path speeds to increase the amount of data available for analysis and more accurately represent arterial conditions
- Product data includes three years of historical probe information
- Optional gap filling for better compatibility with existing solutions

Availability

Speed data is commercially available in 57 countries
Truck speed data is available in 31 countries

Format

Custom querying to yield precision tailored .CSV tables

Coverage

Speed Data

- 43 countries in EMEA
- 6 countries in the Americas
- 8 countries in APAC

Truck speed data

- 23 countries in EMEA
- 4 countries in the Americas
- 4 countries in APAC countries in APAC

HERE Traffic Patterns - Ancillary Offering

Historical traffic information

Description

HERE Traffic Patterns delivers accurate usual traffic speeds by analyzing trillions of vehicle speed observations on every road in the HERE Map. The HERE Traffic Patterns product is a premium option on top of the HERE Map so that drivers can make more informed and efficient decisions. Average speed data for every road in the map database, each link and each TMC*, is provided in 15 minutes intervals, for each day of the week, based on an average three years of historical observations.

Features

- Speed information is provided in local time; in mph and kph
- Includes seasonable patterns to reflect traffic variations through season and in holiday areas/times
- Average speed data available for every road in map database
- Average speed data in 15' or 60' intervals for each day of the week
- Built semi-annually based on previous three years' worth of probe observations
- Calculates accurate ETAs
- Updated every year

Availability

Speed data is commercially available in 57 countries

Truck speed data is available in 31 countries

Format

- For TMC data sets, CSV File in either TMC Referenced flat format or TMC Referenced Relational Format
- For Link data sets, CSV file in Link Referenced Relational Format
- On the HERE platform, Traffic Patterns is available at high granularity as a versioned layer in the HERE Map Content catalogue

Coverage

83 countries around the world

* Traffic Message Channel, a technology that allows to transmit traffic and events information to vehicles. It is based on codes in the map that geo reference the location of congested areas or incidents, as well as events impacting mobility, i.e. snow, rain, tornadoes, etc

Iteris ClearGuide

Collects and archives real-time traffic data, and will provide performance metrics and archived data for TETC members in a modern web-based tool.

Description

Built on the Amazon Web Services (AWS) cloud, ClearGuide enables dynamic real-time and historical visualizations and reports for speed and travel time, with no limitation on the number of users.

- An interactive map, with customizable background, showing color coded real-time segment speeds
- Pop-up link reports showing segment attributes , real-time and historical speed range
- Selectable map layers to view percentage of free flow speed, data quality, configurable anomalies, free flow speed, speed limit and functional classification
- Timeseries, Time of Day, Day of Week, Time of Day + Day of Week for route and links, on a wide range of metrics
- Powerful data downloader for accessing all historical data
- Subregion selector and geography filters
- Flexible route creation for grouping segments and creating corridors
- Configurable alerts for speed and congestion
- User guide and training materials

HERE Volume Data Powered By Bentley - Ancillary Offering

Comprehensive, complete understanding of the movement of pedestrians and vehicles across the United States.

Hourly volumes, speeds and demographics for every road and sidewalk segment in the U.S.

- Hourly volumes - Directional volumes
- Driving, riding or walking
- All streets 25 mph+ in the US and Puerto Rico
- Temporal segmentation: By hour, by day type (M-Th, F, Sa, Su), by season
- Turning and weaving movement volumes