

Supra	Category	Example Context Elements
Time	Time	Local Time/Date Coordinated Time/Date Day of the Week Timestamp
	Schedule	Personal Schedule Delivery Tables Holiday List
	Travel Time	Time elapsed since travel start Time elapsed since last rest stop ETA
Location	Geographic Coordinate	Latitude Longitude Altitude
	Symbolic Coordinate	Cellular Network Base Station Id Wifi SSID Beacon Id
	Geographic (Semantic) Location	Address Road Name Floor (in multi-story car parks, for instance)
	Location Type	Kind of Place Place Service
	Route	Start and End point Intermediate stops
	Distance	Total distance traveled Distance traveled in current journey Distance traveled since last rest stop
Identity	Vehicle Id	VIN License Plate National Registration Number Brand Model Year
	Vehicle Dimensions	Length Width Height Empty Weight Max Weight Wheelbase
	Vehicle Type	Vehicle Category EuroCar Segment Classification US EPA Classification
	Vehicle Mechanical Attributes	Engine Displacement Suspension Type Gear Characteristics Axles Traction

	Passenger Id	Possession based (Driver License number, SSN) Knowledge based (User/password) Biometric based (Fingerprint, face, iris)
	Person Id	Possession based (Driver License number, SSN) Knowledge based (User/password) Biometric based (Fingerprint, face, iris)
	Driver Id	Possession based (Driver License number, SSN) Knowledge based (User/password) Biometric based (Fingerprint, face, iris)
	Driver Experience	Years licensed Vehicle Categories allowed to drive Special training (passenger, dangerous goods)
	Profile	Name Age Preferences Addresses Email Phone number Social Media Addresses
	Person Statistics	Number of tickets in last 12 months Number of crashes involved
	Physical Attributes	Height Weight Physical abilities / Special needs
	Location Id	Geographic Coordinate* Symbolic Coordinate* Geographic (Semantic) Location*
	Location UID	Real estate property ID Internal ID Unique to a location
	Location Attributes	Length Width Height Restrictions (Max allowed weight, Allowed vehicle types, Min Age, Opening Hours)
	Road Characteristics	Pavement type Number of lanes Default maximum speed
	Payload Dimensions	Length Width Height Weight
	Payload Type	Is Live? Is Perishable? Is Fragile? Is Dangerous? Hazardous Materials Classification
	Payload Id	Cargo Barcode / QR-Code Tracking IDs

	Device Type	Is mobile? Is inside/part of Vehicle? Is Network device? Is Traffic Infrastructure ?
	Device UID	MAC address Sensor ID Traffic Light ID
Activity	Driver (Status)	Pulse Rate (Biometrics?) Temperature (Biometrics?) Blood alcohol content Tiredness Mood
	Driving Task	Hands position Eyes direction Throttle pressure Break pressure Current Gear
	Driving External Task	Is talking to other passengers Is using mobile Is talking to pedestrian Is interacting with drive-through/toll booth
	Driver Infotainment Task	Is Radio On? Current radio volume Is Changing Volume Is Changing mode Is Changing station GPS has way set Is handling GPS
	Peer Device Infrastructure	<i>Any CE about a network peer device</i>
	Peer Output Device	Output device type Sense impacted Volume Brightness
	Peer Sensor	Sensor output value Sensor status Location*
	Peer Vehicle	<i>Any CE about a network peer vehicle</i>
	Cargo	Temperature Movement
	Weather	Temperature Rain/Snow status Moisture Wind speed Tide**
	Traffic Condition	Traffic intensity Accident notification Abnormal condition (stopped car in the road, potholes)
	Road Availability	Road works

		Road blocks Vehicle types allowed in road
	Pedestrian Role	Is waiting? Is future passenger?
	Pedestrian Intention	Schedule* Route*
	Pedestrian Acceleration	Acceleration
	Pedestrian Direction	Direction of movement Direction of eye-sight
	Pedestrian Speed	Forward Speed Speed relative to vehicle
	Surroundings Traffic Lights	Traffic lights status Traffic lights timer
	Surrounding Road Side Unit	Connectivity* Location*
	Surroundings Road	Lane Status (Open/Closed) Lane direction (for reversible lanes) Vehicle types allowed in lane
	Surroundings Point of Interest	Surrounding POIs Services offered Service values Is open?
	Surroundings Traffic Sign	Traffic sign type Traffic sign Value Message board message
	Surroundings Traffic Controller	Surrounding Traffic Controllers Actions Commands
	Surroundings Traffic Police	Surrounding Law Enforcement Agents Commands Type Is human or machine?
	Surroundings Driver	Any CE about a driver near the vehicle
	Surroundings Passenger	Any CE about a passenger near the vehicle
	Surroundings Pedestrian	Any CE about a pedestrian near the vehicle
	Surroundings Cyclist	Any CE about a cyclist near the vehicle
	Surrounding Vehicles	Vehicle Id* Vehicle Activity* Mechanical Status* Vehicle Movement* Location*
	Social Media	Posts about events nearby Posts about traffic events

		Posts from persons nearby Posts from businesses nearby
	Network	Number of devices Latency
	Connectivity	Bandwidth Network type Connectivity level (no access, local, internet)
	Passenger	Current activity Objectives Seat Occupied Is sat? Pulse Rate (Biometrics?) Temperature (Biometrics?)
	Vehicle (Status)	Is in autonomous mode? Is parking? Is stopped? Is in service? (taxi ride/transporting passengers/cargo/patients) Is in emergence?
	Mechanical Status	Fuel tank level Current gear RPM Engine load Oil Temperature Cooling Temperature Throttle position Fuel type/mix Lights status Blinker status Failure/Malfunction error code Airbag deployment status Seatbelt status
	Vehicle Movement	Speed Acceleration Direction

* Any CE from the category (or its subcategories) is also a CE for this category

** While not a weather condition, we consider that it is fit to put Tide in this category, since applications which might use Tide information are probably using other weather information too.