Field	Group	Subgroup of	Data Type	Data Format	Deprecated	Description
AC_NEXT_ATP_CERTIFICATION	boxdata		string	date	No	Service interval alarm condition field for ATP certification.
AC_NEXT_CRANE_DATE	boxdata		string	date	No	Service interval alarm condition field for crane date.
AC_NEXT_GENERAL_INSPECTION	boxdata		string	date	No	Service interval alarm condition field for general inspection.
AC_NEXT_HYDRAULIC_PLATFORM_DATE	boxdata		string	date	No	Service interval alarm condition field for hydraulic platform date.
AC_NEXT_PTO_DATE	boxdata		string	date	No	Service interval alarm condition field for PTO date.
AC_NEXT_SAFETY_INSPECTION	boxdata		string	date	No	Service interval alarm condition field for safety inspection.
AC_NEXT_UVV_DATE	boxdata		string	date	No	Service interval alarm condition field for UVV date.
AC_TPMS_CLEAR_CRITICAL_DEVIATION_FROM_OPTIMUM_IN_BAR	boxdata		number	float	No	Deviation of tire pressure from optimum when clearing an alarm
AC_TPMS_CLEAR_NOTE_DEVIATION_FROM_OPTIMUM_IN_BAR	boxdata		number	float	No	Deviation of tire pressure from optimum when clearing an alarm
AC_TPMS_CRITICAL_DEVIATION_FROM_OPTIMUM_IN_BAR	boxdata		number	float	No	Deviation of tire pressure from optimum
AC_TPMS_NOTE_DEVIATION_FROM_OPTIMUM_IN_BAR	boxdata		number	float	No	Deviation of tire pressure from optimum
AC_TPMS_TYRE_PRESSURE_16	boxdata		number	float	No	Tyre pressure for alarm condition axle 1 Left outer tyre
AC_TPMS_TYRE_PRESSURE_17	boxdata		number	float	No	Tyre pressure for alarm condition axle 1 Left inner tyre
AC_TPMS_TYRE_PRESSURE_19	boxdata		number	float	No	Tyre pressure for alarm condition axle 1 right inner tyre
AC_TPMS_TYRE_PRESSURE_1A	boxdata		number	float	No	Tyre pressure for alarm condition axle 1 right outer tyre
AC_TPMS_TYRE_PRESSURE_26	boxdata		number	float	No	Tyre pressure for alarm condition axle 2 Left outer tyre
AC_TPMS_TYRE_PRESSURE_27	boxdata		number	float	No	Tyre pressure for alarm condition axle 2 Left inner tyre
AC_TPMS_TYRE_PRESSURE_29	boxdata		number	float	No	Tyre pressure for alarm condition axle 2 right inner tyre
AC_TPMS_TYRE_PRESSURE_2A	boxdata		number	float	No	Tyre pressure for alarm condition axle 2 right outer tyre
AC_TPMS_TYRE_PRESSURE_36	boxdata		number	float	No	Tyre pressure for alarm condition axle 3 Left outer tyre
AC_TPMS_TYRE_PRESSURE_37	boxdata		number	float	No	Tyre pressure for alarm condition axle 3 Left inner tyre
AC_TPMS_TYRE_PRESSURE_39	boxdata		number	float	No	Tyre pressure for alarm condition axle 3 right inner tyre
AC_TPMS_TYRE_PRESSURE_3A	boxdata		number	float	No	Tyre pressure for alarm condition axle 3 right outer tyre
AC_TPMS_TYRE_PRESSURE_46	boxdata		number	float	No	Tyre pressure for alarm condition axle 4 Left outer tyre
AC_TPMS_TYRE_PRESSURE_47	boxdata		number	float	No	Tyre pressure for alarm condition axle 4 Left inner tyre
AC_TPMS_TYRE_PRESSURE_49	boxdata		number	float	No	Tyre pressure for alarm condition axle 4 right inner tyre
AC_TPMS_TYRE_PRESSURE_4A	boxdata		number	float	No	Tyre pressure for alarm condition axle 4 right outer tyre
AC_TPMS_TYRE_TEMPERATURE_16	boxdata		number	float	No	Tyre temperature for alarm condition axle 1 Left outer tyre
AC_TPMS_TYRE_TEMPERATURE_17	boxdata		number	float	No	Tyre temperature for alarm condition axle 1 Left inner tyre
AC_TPMS_TYRE_TEMPERATURE_19	boxdata		number	float	No	Tyre temperature for alarm condition axle 1 right inner tyre
AC_TPMS_TYRE_TEMPERATURE_1A	boxdata		number	float	No	Tyre temperature for alarm condition axle 1 right outer tyre
AC_TPMS_TYRE_TEMPERATURE_26	boxdata		number	float	No	Tyre temperature for alarm condition axle 2 Left outer tyre
AC_TPMS_TYRE_TEMPERATURE_27	boxdata		number	float	No	Tyre temperature for alarm condition axle 2 Left inner tyre
AC_TPMS_TYRE_TEMPERATURE_29	boxdata		number	float	No	Tyre temperature for alarm condition axle 2 right inner tyre
AC_TPMS_TYRE_TEMPERATURE_2A	boxdata		number	float	No	Tyre temperature for alarm condition axle 2 right outer tyre
AC_TPMS_TYRE_TEMPERATURE_36	boxdata		number	float	No	Tyre temperature for alarm condition axle 3 Left outer tyre
AC_TPMS_TYRE_TEMPERATURE_37	boxdata		number	float	No	Tyre temperature for alarm condition axle 3 Left inner tyre
AC_TPMS_TYRE_TEMPERATURE_39	boxdata		number	float	No	Tyre temperature for alarm condition axle 3 right inner tyre
AC_TPMS_TYRE_TEMPERATURE_3A	boxdata		number	float	No	Tyre temperature for alarm condition axle 3 right outer tyre
AC_TPMS_TYRE_TEMPERATURE_46	boxdata		number	float	No	Tyre temperature for alarm condition axle 4 Left outer tyre
AC_TPMS_TYRE_TEMPERATURE_47	boxdata		number	float	No	Tyre temperature for alarm condition axle 4 Left inner tyre
AC_TPMS_TYRE_TEMPERATURE_49	boxdata		number	float	No	Tyre temperature for alarm condition axle 4 right inner tyre
AC_TPMS_TYRE_TEMPERATURE_4A	boxdata		number	float	No	Tyre temperature for alarm condition axle 4 right outer tyre
BD_ALARMS	boxdata		array		No	The IDs of the portals in which this record caused an alarm.
BD_ANALOG_INPUT_SAMPLING	boxdata		array		No	??? (from telic)
BD_ANALOG_INPUT3	boxdata		number	float	No	Uninterpred analog input value. Probably voltage on the third analog input in cV.
BD_ANALOG_INPUT4	boxdata		number	float	No	Uninterpred analog input value. Probably voltage on the fourth analog input in cV.
BD_ANALOG_INPUT5	boxdata		number	float	No	Uninterpred analog input value. Probably voltage on the fifth analog input in cV.
BD_ANALOG_INPUT6	boxdata		number	float	No	Uninterpred analog input value. Probably voltage on the sixth analog input in cV.
BD_AVG_TEMP1	boxdata		number	float	No	Average temperature 1
BD_AVG_TEMP2	boxdata		number	float	No	Average temperature 2
BD_AXIS_DATA	boxdata		array		No	Map of AxisDataMap containing axis data. Elements in the map are AxisDataMap, where the keys are AxisDataField enum values. The key of the outer map is the index of the axis, '1','2','3',...
BD_BAND_WIRING	boxdata		boolean		No	True if the band wiring is active.
BD_BATTERY_LEVEL_PERCENT	boxdata		integer		No	Box battery level in percent
BD_BEACON_DATA_HUB_MESSAGE_TYPE	boxdata		string		No	Name of load data
BD_BEACON_DATA_LAST_UPDATE	boxdata		string	date	No	lastUpdate
BD_BEACON_DATA_TIME_STAMP	boxdata		string	date	No	Timestamp
BD_BOX_ID	boxdata		object		No	Identifies the box, this data belongs to. Value is the box identifier (ObjectId).
BD_BOX_TYPE	boxdata		integer		No	Type of the box, well rather the identification of the gateway, that receives data from the box.
BD_CARGOMONITOR_ALLOCATION_MAP	boxdata		integer		No	X-Dimension for cargomonitoring.
BD_CARGOMONITOR_ALLOCATION_MAP_X	boxdata		integer		No	X-Dimension for cargomonitoring.
BD_CARGOMONITOR_ALLOCATION_MAP_Y	boxdata		integer		No	Y-Dimension for cargomonitoring.
BD_CARGOMONITOR_ALLOCATION_MAP_Z	boxdata		integer		No	Z-Dimension for cargomonitoring.
BD_CARGOMONITOR_FREE_SPACE	boxdata		array		No	List of free space in Trailer in percentages for each area
BD_CARGOMONITOR_FREE_SPACE_LENGTHS	boxdata		array		No	List of free space in Trailer in meters for each area
BD_CARGOMONITOR_HOMOGRAPHY_MATRIX	boxdata		string		No	Homography matrix which indicates the exact location of the cargo.
BD_CARGOMONITOR_PEOPLE_DETECTED	boxdata		boolean		No	Picture people detection
BD_CARGOMONITOR_PICTURE	boxdata		object		No	Reference to a picture shot by camera inside a trailer
BD_CARGOMONITOR_STATUS_HEARTBEAT	boxdata		integer		No	Status heartbeat for cargomonitoring.
BD_CARGOMONITOR_SYSTEM_ERROR_STATES	boxdata		integer		No	System error states for cargomonitoring.
BD_CARGOMONITOR_TIME	boxdata		string		No	creation time of cargomonitoring data
BD_CARRIER_BATTERY_PACK_ALARM_CODE	boxdata		string		No	Battery pack message from carrier. Alarm code reported by the battery.
BD_CARRIER_BATTERY_PACK_ALARM_DESCRIPTION	boxdata		string		No	Battery pack message from carrier. Alarm description.
BD_CARRIER_BATTERY_PACK_ALARM_LIST	boxdata		array		No	Message from carrier. Alarm description.
BD_CARRIER_BATTERY_PACK_ALARM_TYPE	boxdata		string		No	Battery pack message from carrier. Alarm type reported by the battery.
BD_COUPLED	boxdata		boolean		No	Whether the trailer a box is mounted in, is coupled to a vehicle.
BD_COUPLED_VEHICLES	boxdata		array		No	Coupled vehicles
BD_DATA_TYPE	boxdata		integer		No	Classifies data of a BoxDataMap to be of specific type (0=Data, 1=Temperatures only). This field is mainly set by krone gateways.
BD_DATE_OF_LAST_BATTERY_ALARM	boxdata		string		No	Date of the last battery alarm. Currently used for delphi (anwb).
BD_DATE_OF_LAST_MIL	boxdata		string		No	Date of the last malfunctioning indicator lamp. Currently used for delphi (anwb).
BD_DESTINATION_ADDRESS	boxdata		string		No	Address of destination.
BD_DETAILED_LOCATION	boxdata		array		No	Contains all known information details as a map.
BD_DIAGNOSTIC_CODES	boxdata		array		No	Contains the DTCs of this BoxDatum. The content of this field will not be saved in the boxdata but in a own collection
BD_DISPOSED_ORDERS	boxdata		integer		No	Number of disposed orders
BD_DISTANCE_DRIVING	boxdata		number	double	No	Driving distance
BD_DISTANCE_MOVED	boxdata		number	double	No	Our own distance counter, summing up our best known distance deltas.
BD_DOOR_LOCKBAR_STATE	boxdata		integer		No	Door one lockbar state
BD_DOOR_LOCKBAR_STATE_2	boxdata		integer		No	Door two lockbar state
BD_DOOR_LOCKBAR_STATE_3	boxdata		integer		No	Door three lockbar state
BD_DOOR_LOCKSYSTEM_PIN_CODE	boxdata		string		No	PIN to open the door lock. It's a 4-digit number
BD_DOOR_LOCKSYSTEM_STATE	boxdata		integer		No	Door one locksystem state
BD_DOOR_LOCKSYSTEM_STATE_2	boxdata		integer		No	Door two locksystem state
BD_DOOR_LOCKSYSTEM_STATE_3	boxdata		integer		No	Door three locksystem state
BD_DOOR_SENSOR_STATE	boxdata		integer		No	Door one sensor state (open closed, failure...)
BD_DOOR_SENSOR_STATE_2	boxdata		integer		No	Door two sensor state (open closed, failure...)
BD_DOOR_SENSOR_STATE_3	boxdata		integer		No	Door three sensor state (open closed, failure...)
BD_DOORLOCK_ALARM_MANIPULATION	boxdata		boolean		No	Manipulation of the door was recognized. Opened door while doorlock not released.
BD_DOORLOCK_ALARM_OPEN	boxdata		boolean		No	Door contact open without door release.
BD_DOORLOCK_ALL_CLOSED	boxdata		boolean		No	Whether all ELB door contacts are closed.
BD_DOORLOCK_ALL_LOCKED	boxdata		boolean		No	Whether all ELB cylinders are locked.
BD_DOORLOCK_ERROR	boxdata		array		No	Contains a list of enum ordinal of the DoorlockError enumeration.
BD_DOORLOCK_EVENT_DOOR_ENABLED	boxdata		boolean		No	Doorlock was released by typing in an correct PIN.
BD_DOORLOCK_EVENT_KEYPAD	boxdata		boolean		No	Key pad was used.
BD_DOORLOCK_EVENT_UNLOCK_ENABLED	boxdata		boolean		No	The command 'UNLOCK' was enabled.
BD_DOORLOCK_KEYPAD_ACTIVE	boxdata		boolean		No	True if it is possible to type in the PIN at the keypad.
BD_DOORLOCK_KEYPAD_ACTIVE_CALCULATED	boxdata		boolean		No	True if it is possible to type in the PIN at the keypad.
BD_DOORLOCK_KEYPAD_CONNECTED	boxdata		boolean		No	Keypad is connected.
BD_DOORLOCK_PAYLOAD	boxdata		string		No	The Payload. See deister protocol.
BD_DOORLOCK_PAYLOAD_COUNT	boxdata		integer		No	Sum of the payload bytes.
BD_DOORLOCK_SECURE_MODE	boxdata		boolean		No	Whether ELB secure mode is on.
BD_DOORLOCK_SERIAL	boxdata		string		No	The doorlock serial number.
BD_DOORLOCK_SIDEWALL_ALARM	boxdata		boolean		No	Whether the Sidewall Alarm has been activated (from TCC)
BD_DOORLOCK_STATES	boxdata		array		No	Contains a map of states for each doorlock. So keys will be '1', '2', ... The values will be a set with DoorlockState enum ordinals.
BD_DRIVER_ID	boxdata		string		No	Only set by the boxtracker, and fleetboard gateway.
BD_DURATION_COOLING	boxdata		string		No	Since when is the reefer on. Timestamp of the first record.

Field	Group	Subgroup of	Data Type	Data Format	Deprecated	Description
BD_DURATION_DRIVING	boxdata		string		No	Since when is the box moving with a GPS speed of more than 5 km/h. Timestamp of the first record.
BD_ENERGY_CONSUMPTION	boxdata		number		No	Total energy consumption in Wh.
BD_ENGINE_LIGHT_STATUS	boxdata		string		No	
BD_ENGINE_ON	boxdata		boolean		No	Delphi TRUE/FALSE, null
BD_ERRORS	boxdata		array		No	Collection of ordinals of the Error enumeration.
BD_EVENTS	boxdata		array		No	Collection of ordinals from the Event enumeration.
BD_EXTERNAL_BATTERY_VOLTAGE	boxdata		number	float	No	External voltage to the box.
BD_FUEL_ABSOLUTE	boxdata		integer		No	Absolute fuel level in litres.
BD_FUEL_ABSOLUTE_SENT	boxdata		integer		No	Absolute of fuel level in litres. Raw value sent by the telematic unit.
BD_FUEL_PERCENT	boxdata		integer		No	Delphi fuel percentage
BD_FUEL_RESERVE	boxdata		boolean		No	True if the reefer engine is on fuel reserve.
BD_GENERATOR_ON	boxdata		boolean		No	Whether the generator is on.
BD_GENERATOR_VOLTAGE	boxdata		number	float	No	Voltage of generator.
BD_HEATING_BURNER_ON	boxdata		boolean		No	Whether the heating's burner is on.
BD_HEATING_ON	boxdata		boolean		No	Whether the heating is on.
BD_HEATING_VOLTAGE	boxdata		number	float	No	Voltage of heating.
BD_HUB_ACCESS_LIFT_SLOPE_STATE	boxdata		string		No	Lifting system release, related to the inclined position of the HUBs
BD_HUB_LIFT_ERROR	boxdata		array		No	Errorcodes of the lifting system control
BD_HUB_LIFT_STATUS	boxdata		string		No	Lifting system control status
BD_HUB_POWER_LEVEL	boxdata		integer		No	Power level of hub in percent
BD_HUB_POWER_STATE	boxdata		string		No	Power state of hub
BD_HUB_ROLLERSHUTTER	boxdata		array		No	Information about the roller shutter control
BD_HUB_TM	boxdata		string	date	No	Timestamp of hub data
BD_HUMIDITIES	boxdata		array		No	Contains a map of Humidities (in percent). Keys will be '1', '2', ..., '16' and float values for the humidity in percent
BD_HUMIDITY	boxdata		number		Yes	(Relative?) Humidity (in percent?). Produced only by DT-UDP.
BD_ID	boxdata		object		No	Legacy: set only by euroleasing (String: eventId of euroleasing record), and trailerinfo (Integer: incident_data.iid) gateway. Never used in core.
BD_INTERNAL_BATTERY_VOLTAGE	boxdata		number	float	No	Voltage of the internal box battery.
BD_IS_MOVING	boxdata		boolean		No	True, if the vehicle is moving (if not filled by gateway, calculated in analyzer)
BD_IS_RECEIVED_BY_KRONE_GATEWAY	boxdata		boolean		No	Flag set by the krone gateway indicating that a data record has been received from it.
BD_LIFTING_ROOF	boxdata		boolean		No	True if the roof of the trailer is lifted.
BD_LOW_BATTERY	boxdata		boolean		No	Boolean value indicating low battery voltage. Only from euroscan-udp.
BD_MAINTENANCE_NEXT_DATE	boxdata		string		No	The date of the next maintenance.
BD_MAINTENANCE_NEXT_DISTANCE	boxdata		integer		No	The distance to the next maintenance.
BD_MAINTENANCE_SERVICE_UNIT_ID	boxdata		string		No	ID of the euroleasing maintenance
BD_MAINTENANCE_SERVICE_UNIT_NAME	boxdata		string		No	Name of the maintenance data.
BD_MAINTENANCE_TIMESTAMP	boxdata		string		No	Timestamp when the maintenance data has been measured.
BD_MAX_VOLTAGE	boxdata		number	float	No	Highest voltage of BD_EXTERNAL_BATTERY_VOLTAGE, BD_REEFER_BATTERY_VOLTAGE, BD_REEFER_BATTERY_VOLTAGE_2, BD_EBS_POWER_SUPPLY_VOLTAGE, BD_UNKNOWN_VOLTAGE, and BD_INTERNAL_BATTERY_VOLTAGE
BD_MILEAGE	boxdata		number	float	No	Continuously upcounting mileage value in kilometers. Set only by euroleasing gateway.
BD_MOTION_SENSOR_ENABLED	boxdata		boolean		No	Boolean value indicating enabled motion sensor. Only from euroscan-udp.
BD_MOTION_SENSOR_TRIGGERED	boxdata		boolean		No	Boolean value indicating motion sensor triggered. Only from euroscan-udp.
BD_NAVIGATION_ETA	boxdata		string		No	Estimated time of arrival
BD_NIC_PUSH_RECEIVER_IGNORE	boxdata		string		No	Command field for Nic-Push-Receiver to avoid cyclic push.
BD_NO_GEOCODING_LOCATION	boxdata		boolean		No	Technical field to indicate if GPS cannot be reverse-geocoded. E.g. on sea.
BD_OBJECT_COUPLED_VEHICLES	boxdata		array		No	Wrapper to pass the vehicle map from a gateway to the importer inside the map containing the new box datum.
BD_OBJECT_GEOCIRCLES	boxdata		array		No	Map of detected geocircles the current position is in. Key is the portal id of the geocircle, value is either the geocircle name on old data, or another map on new data.
BD_OBJECT_GEOCIRCLES_BY_DEBTOR_ID	boxdata		map		No	Geocirlce objects with debtor id as
BD_OBJECT_GEOLOCATION	boxdata		array		No	Map of detected geo locations the current osm position is in. value is either the geo location name data.
BD_OBJECT_MAINTENANCE_DATA	boxdata		array		No	A list of maintenances for the box.
BD_OBJECT_VEHICLE	boxdata		array		No	Wrapper to pass the vehicle map from a gateway to the importer inside the map containing the new box datum.
BD_OIL_TEMPERATURE	boxdata		integer		No	Delphi oil temperature in degrees Celsius
BD_ORDER_NUMBER	boxdata		string		No	Order currently assigned to box
BD_ORDER_STATE_CAPTION	boxdata		string		No	State of order currently assigned to box
BD_ORIGIN_ADDRESS	boxdata		string		No	Address of origin.
BD_PANIC_BUTTON	boxdata		boolean		No	Panic button of the driver.
BD_POWER_FAILURE	boxdata		boolean		No	Boolean value indicating power failure. Only from euroscan-udp.
BD_POWERSUPPLY_IGNITION	boxdata		boolean		No	Whether the ignition of a vehicle is on.
BD_POWERSUPPLY_VOLTAGE	boxdata		number		No	Powersupply voltage, only set by cargobull, and webeye.
BD_PRESSURES	boxdata		array		No	Meassured pressures. This is a map. Key is the type of Pressure (enum is Field.Pressure), value is the pressure.
BD_REAR_EXTENDED_WARNING	boxdata		boolean		No	Is set by the importer if the vehicle is starting to move or moving, not EBS loaded and rear extension is extended.
BD_RECEIVED_BY	boxdata		string		No	Field to describe which units are received by our own push receiver and who pushed it to our System.
BD_REMAINING_CONNECT_CYLES	boxdata		integer		No	Count of connect cyles with remaining battery power
BD_REMAINING_DRIVING_TIME_DAY	boxdata		number		No	Remaining driving time for this day
BD_REMAINING_DRIVING_TIME_WEEK	boxdata		number		No	Remaining driving time for this week
BD_RUNNING_TOURS	boxdata		array		No	Map with portal to running tour associations. Key is a portalId, value can be a set of tour-ids which hat status running when the boxdata was measured. (lidl TOMS)
BD_SPEED_CALCULATED	boxdata		number		No	gps speed when is present, if not Ebs speed
BD_TAILLIFT_COUNT_OVERALL	boxdata		integer		No	Count all tail-lift movements.
BD_TAILLIFT_COUNT_SINCE_SERVICE	boxdata		integer		No	Count all tail-lift movements since last service.
BD_TAILLIFT_MOVEMENT	boxdata		boolean		No	Tail-lift in motion.
BD_TAILLIFT_OVERLOAD	boxdata		boolean		No	Tail-lift overloaded.
BD_TEMP_AMBIENT	boxdata		number	float	No	Ambient temperature on first recorder. Used from telic with carrier. Now also used by Krone JSON Gateway.
BD_TEMP_AMBIENT_2	boxdata		number	float	No	Ambient temperature on second recorder. Only from telic with carrier.
BD_TEMPERATURES_RECORDING_INTERVAL	boxdata		integer		No	Recording interval of temperatures in seconds.
BD_TIME	boxdata		string		No	Timestamp when the data has been measured.
BD_TIME_DRIVING	boxdata		number		No	Driving/standing time in seconds.
BD_TIME_GATEWAY	boxdata		string		No	Time when the message passed the gateway.
BD_TIME_GATEWAY_INCOMING	boxdata		string		No	Timestamp when the data was received in the gateway.
BD_TIME_IMPORTER_INCOMING	boxdata		string		No	Timestamp when the data was received in the importer.
BD_TIME_PERSIST	boxdata		string		No	Time when the message has been persisted.
BD_TIME_RECEIVED	boxdata		string		No	Timestamp when the data was imported by the importer.
BD_TOTAL_ODOMETER_DISTANCE	boxdata		number	double	No	Delphi total kilometers
BD_TRAILER_NUMBER	boxdata		string		No	Only set by the dt-udp gateway.
BD_TRAIN_WAGGON_APPROACH_EVENTS	boxdata		number		No	How often the waggon did an approach.
BD_TRAIN_WAGGON_BRAKE_EVENTS	boxdata		number		No	Count of break events.
BD_TRAIN_WAGGON_DERAILED	boxdata		boolean		No	Derailed flag used for rail vehicles.
BD_TRAIN_WAGGON_LOADED	boxdata		boolean		No	Loaded/unloaded flag used for rail vehicles.
BD_TRAIN_WAGGON_MILAGE	boxdata		number		Yes	Milage of a train.
BD_TRAIN_WAGGON_MOVE_STATE	boxdata		integer		No	State of moving.
BD_TRAIN_WAGGON_OVERLOADED	boxdata		boolean		No	Overloaded/not overloaded flag used for rail vehicles.
BD_TRAIN_WAGGON_SHOCK_AMPLITUDE	boxdata		number		No	Shock amplitude in g.
BD_TRAIN_WAGGON_SHOCK_AMPLITUDES	boxdata		array		No	Map of shock amplitudes measured for a rail vehicle. Keys will be the shock axes, i. e. 'X', 'Y' or 'Z', values will be the amplitudes in [g].
BD_TRAIN_WAGGON_SHOCK_AMPLITUDES_MAX	boxdata		array		No	Map of total maximum shock amplitudes per axis for a rail vehicle. Keys will be the shock axes, i. e. 'X', 'Y' or 'Z', values will be the maximum shock amplitude in [g].
BD_TRAIN_WAGGON_SHOCK_AXIS	boxdata		integer		No	Axis for which a shock of a rail vehicle has been measured. Can be 'X', 'Y' or 'Z'.
BD_TRAIN_WAGGON_SHOCK_DURATION	boxdata		number		No	Duration of shocks in seconds.
BD_TRAIN_WAGGON_SHOCK_DURATIONS	boxdata		array		No	Map of shock durations measured for a rail vehicle. Keys will be the shock axes, i. e. 'X', 'Y' or 'Z', values will be the durations in [ms].
BD_TRAIN_WAGGON_SHOCKS	boxdata		number		No	Count of shocks.
BD_TRAIN_WAGGON_SHOCKS_TOTAL	boxdata		array		No	Map of total number of shocks per axis for a rail vehicle. Keys will be the shock axes, i. e. 'X', 'Y' or 'Z', values will be the number of shocks.
BD_TRAIN_WAGGON_TYPE	boxdata		string		Yes	Type of a train waggon.
BD_TRAIN_WAGGON_WEIGHING	boxdata		integer		No	Precise weighing in [kg] used for rail vehicles, i. e. net weight of freight loaded.
BD_TRIP_AVERAGE_BOGIE_LOAD	boxdata		number	double	No	The average trip bogie load send by euroleasing.
BD_TRIP_AVERAGE_SPEED	boxdata		number	double	No	The average trip speed send by euroleasing.
BD_TRIP_END_MILAGE	boxdata		number	double	No	The trip end milage send by euroleasing.

Field	Group	Subgroup of	Data Type	Data Format	Deprecated	Description
BD_TRIP_END_POSITION	boxdata		array		No	The trip end position send by euroleasing. It's a wrapper to pass the position data: BD_GPS_LATITUDE, BD_GPS_LONGITUDE, BD_GPS_DIRECTION, BD_GPS_TIME, BD_GPS_SPEED
BD_TRIP_END_TIME	boxdata		string		No	The trip end time send by euroleasing.
BD_TRIP_FUEL_CONSUMPTION	boxdata		number	double	No	The trip fuel consumption send by euroleasing in ml.
BD_TRIP_MAX_BOGIE_LOAD	boxdata		number	double	No	The trip max bogie load send by euroleasing.
BD_TRIP_MAX_SPEED	boxdata		number	double	No	The trip max speed send by euroleasing.
BD_TRIP_START_MILAGE	boxdata		number	double	No	The trip start milage send by euroleasing.
BD_TRIP_START_POSITION	boxdata		array		No	The trip start position send by euroleasing. It's a wrapper to pass the position data: BD_GPS_LATITUDE, BD_GPS_LONGITUDE, BD_GPS_DIRECTION, BD_GPS_TIME, BD_GPS_SPEED
BD_TRIP_START_TIME	boxdata		string		No	The trip start time send by euroleasing.
BD_TRUCK_ID	boxdata		string		No	Only set by the dt-udp, and tom-tom gateway.
BD_TYRE_SENSOR_COMMUNICATION_LOST	boxdata		array		Yes	The tyre pressure communication. The Map will contain key's like '17', '19', '27', '26', '29', '2A' and true or false.
BD_UNKNOWN_VOLTAGE	boxdata		number	float	Yes	Some voltage we do not know what it represents.
BD_USER_EVENT_TYPE	boxdata		integer		No	The indicator that a device will not be sending data because it is paused. Contains start/stop or the reason for the pause
BD_VEHICLE_BATTERY_VOLTAGE	boxdata		number	double	No	Delphi in volts e.g. 13.4
BD_VEHICLE_SPEED	boxdata		integer		No	Delphi speed in km/h
BD_VEHICLESTATUS_CURRENT_FUEL_CONSUMPTION	boxdata		object		No	The current fuel consumption in ml. This field is only set by euroleasing.
BD_VIRTUAL_FIELDS	boxdata		array		No	Array of the fields (keys/ordinals), that have been calculated.
BD_WAYBILL_NUMBER	boxdata		string		No	Waybill number.
BOX_FEATURES	boxdata		array		No	Collection of the features supported by the box. Features are represented by the Field.Feature enumeration.
RT_ONE_WIRE	boxdata		integer		No	Key within BD_RECORDER_TYPE for a recorder connected using the one wire interface.
RT_RS232_1	boxdata		integer		No	Key within BD_RECORDER_TYPE for a recorder connected to the first RS232 interface.
RT_RS232_2	boxdata		integer		No	Key within BD_RECORDER_TYPE for a recorder connected to the second RS232 interface.
SI_CHANGE_DATE_TIRE_AXLE_01_LEFT	boxdata		string	date	No	Service interval alarm condition field for change tire axle 1 left.
SI_CHANGE_DATE_TIRE_AXLE_01_RIGHT	boxdata		string	date	No	Service interval alarm condition field for change tire axle 1 right.
SI_CHANGE_DATE_TIRE_AXLE_02_LEFT	boxdata		string	date	No	Service interval alarm condition field for change tire axle 2 left.
SI_CHANGE_DATE_TIRE_AXLE_02_RIGHT	boxdata		string	date	No	Service interval alarm condition field for change tire axle 2 right.
SI_CHANGE_DATE_TIRE_AXLE_03_LEFT	boxdata		string	date	No	Service interval alarm condition field for change tire axle 3 left.
SI_CHANGE_DATE_TIRE_AXLE_03_RIGHT	boxdata		string	date	No	Service interval alarm condition field for change tire axle 3 right.
SI_CHANGE_DATE_TIRE_AXLE_04_LEFT	boxdata		string	date	No	Service interval alarm condition field for change tire axle 4 left.
SI_CHANGE_DATE_TIRE_AXLE_04_RIGHT	boxdata		string	date	No	Service interval alarm condition field for change tire axle 4 right.
SI_CHANGE_DATE_TIRE_AXLE_05_LEFT	boxdata		string	date	No	Service interval alarm condition field for change tire axle 5 left.
SI_CHANGE_DATE_TIRE_AXLE_05_RIGHT	boxdata		string	date	No	Service interval alarm condition field for change tire axle 5 right.
SI_CHANGE_DATE_TIRE_AXLE_06_LEFT	boxdata		string	date	No	Service interval alarm condition field for change tire axle 6 left.
SI_CHANGE_DATE_TIRE_AXLE_06_RIGHT	boxdata		string	date	No	Service interval alarm condition field for change tire axle 6 right.
SI_CHANGE_DATE_TIRE_AXLE_07_LEFT	boxdata		string	date	No	Service interval alarm condition field for change tire axle 7 left.
SI_CHANGE_DATE_TIRE_AXLE_07_RIGHT	boxdata		string	date	No	Service interval alarm condition field for change tire axle 7 right.
SI_CHANGE_DATE_TIRE_AXLE_08_LEFT	boxdata		string	date	No	Service interval alarm condition field for change tire axle 8 left.
SI_CHANGE_DATE_TIRE_AXLE_08_RIGHT	boxdata		string	date	No	Service interval alarm condition field for change tire axle 8 right.
SI_CHANGE_DATE_TIRE_AXLE_09_LEFT	boxdata		string	date	No	Service interval alarm condition field for change tire axle 9 left.
SI_CHANGE_DATE_TIRE_AXLE_09_RIGHT	boxdata		string	date	No	Service interval alarm condition field for change tire axle 9 right.
SI_CHANGE_DATE_TIRE_AXLE_10_LEFT	boxdata		string	date	No	Service interval alarm condition field for change tire axle 10 left.
SI_CHANGE_DATE_TIRE_AXLE_10_RIGHT	boxdata		string	date	No	Service interval alarm condition field for change tire axle 10 right.
SI_NEXT_ATP_CERTIFICATION	boxdata		string	date	No	Service interval alarm condition field for ATP certification.
SI_NEXT_CRANE_DATE	boxdata		string	date	No	Service interval alarm condition field for crane date.
SI_NEXT_GENERAL_INSPECTION	boxdata		string	date	No	Service interval alarm condition field for general inspection.
SI_NEXT_HYDRAULIC_PLATFORM_DATE	boxdata		string	date	No	Service interval alarm condition field for hydraulic platform date.
SI_NEXT_INSPECTION_TEMP_SENSOR_ONE	boxdata		string	date	No	Service interval alarm condition field for temp sensor one inspection.
SI_NEXT_PTO_DATE	boxdata		string	date	No	Service interval alarm condition field for PTO date.
SI_NEXT_SAFETY_INSPECTION	boxdata		string	date	No	Service interval alarm condition field for safety inspection.
SI_NEXT_UVV_DATE	boxdata		string	date	No	Service interval alarm condition field for UVV date.
TV_INTERVAL_END_TIME	boxdata		string		No	The end time of a interval measurement.
TV_INTERVAL_FUEL_TOTAL	boxdata		number		No	The total fuel the vehicle used in the interval measurement.
TV_INTERVAL_MILAGE_END	boxdata		number		No	The milage at the end of the interval measurement.
TV_INTERVAL_MILAGE_START	boxdata		number		No	The milage at the beginning of the interval measurement.
TV_INTERVAL_START_TIME	boxdata		string		No	The start time of a interval measurement
BD_GPS_COUNTRY_CODE	gps	boxdata	string		No	Code of the country within which the current position is. Set by the reverse-geocoder.
BD_GPS_DIRECTION	gps	boxdata	number		No	Direction the position of the box translates to. Degrees clockwise from true north.
BD_GPS_DISTANCE	gps	boxdata	object		No	Air-line distance to the last GPS datum in kilometers.
BD_GPS_DISTANCE_TOTAL	gps	boxdata	object		No	Total moved distance, calculated using (only) GPS data by the box.
BD_GPS_HEADING	gps	boxdata	number		No	Heading of the object the box is mounted in. Degrees clockwise from true north. You get this from a compass, and may differ from BD_GPS_DIRECTION e.g. if a trailer is moved on a ferry boat. Set only by euroleasing and novacom.
BD_GPS_HEIGHT	gps	boxdata	integer		No	Position height value in meters above WGS84 reference ellipsoid.
BD_GPS_LATITUDE	gps	boxdata	number	float	No	Latitude value of the position of the box. Positive is north.
BD_GPS_LOCATION	gps	boxdata	string		No	Textual representation of the location. Reverse-geocoded position.
BD_GPS_LONGITUDE	gps	boxdata	number	float	No	Longitude value of the position of the box. Positive is east.
BD_GPS_MANUAL_DEACTIVATION	gps	boxdata	boolean		No	Indicating that someone manually deactivated transmittion of GPS data. (special for DT-scombox lidl boxes, driver can press button when actually not driving for lidl)
BD_GPS_SATELLITES	gps	boxdata	integer		No	Number of received satellites.
BD_GPS_SPEED	gps	boxdata	integer		No	Current speed the box translates with at time of measurement in kilometers per hour.
BD_GPS_TIME	gps	boxdata	string		No	Timestamp of the GPS data.
BD_REEFER_ALARM_INTERPRETED	reefer	boxdata	array		No	Collection of maps containing interpreted reefer alarm messages. Elements in the collection are maps.
BD_REEFER_AVERAGE_SUPPLY_AIR	reefer	boxdata	number	float	No	Average Supply Air Temperature in C° of the three Reefer modules
BD_REEFER_BATTERY_VOLTAGE	reefer	boxdata	number		No	Voltage at the first reefer engine.
BD_REEFER_BATTERY_VOLTAGE_2	reefer	boxdata	number		No	Reefer voltage from the second recorder.
BD_REEFER_CONTROLLER_COMMUNICATION_ENABLED	reefer	boxdata	boolean		No	true: CAN-Messages are sent from the controller to box
BD_REEFER_COOLANT_OK	reefer	boxdata	boolean		Yes	Coolant level, true means coolant level was OK. (Cargobull Push only)
BD_REEFER_DATA_ID	reefer	boxdata	string		No	UUID of reefer data. Builds a relation between a data message and one or more temperature messages of a krone box.
BD_REEFER_DEFROST_ON	reefer	boxdata	boolean		Yes	One-shot event indicating that the first zone on the first reefer is defrosting.
BD_REEFER_DEFROST_ON_2	reefer	boxdata	boolean		Yes	One-shot event indicating that the second zone on the first reefer is defrosting.
BD_REEFER_DEFROST_ON_3	reefer	boxdata	boolean		Yes	One-shot event indicating that the third zone on the first reefer is defrosting.
BD_REEFER_DEFROST_ON_4	reefer	boxdata	boolean		Yes	Indicates that the first zone on the second recorder is defrosting. (One-shot)
BD_REEFER_DEFROST_ON_5	reefer	boxdata	boolean		Yes	Indicates that the second zone on the second recorder is defrosting. (One-shot)
BD_REEFER_DEFROST_ON_6	reefer	boxdata	boolean		Yes	Indicates that the third zone on the second recorder is defrosting. (One-shot)
BD_REEFER_DIESEL_OK	reefer	boxdata	boolean		Yes	Value only set by cargobull.
BD_REEFER_ELECTRIC_MODE	reefer	boxdata	boolean		No	Value only set by cargobull.
BD_REEFER_ERROR_CODE	reefer	boxdata	integer		No	Error code or codes from the reefer.
BD_REEFER_ERROR_CODE_2	reefer	boxdata	integer		No	Error code(s) for second zone on first recorder.
BD_REEFER_ERROR_CODE_3	reefer	boxdata	integer		No	Error code for the first zone on the second recorder.
BD_REEFER_ERROR_CODE_4	reefer	boxdata	integer		No	Error code for the second zone on the second recorder.
BD_REEFER_EVAPORATOR_COIL	reefer	boxdata	number		No	Evaporator coil temperature of first zone on first recorder.
BD_REEFER_EVAPORATOR_COIL_2	reefer	boxdata	number		No	Evaporator coil temperature of second zone on first recorder.
BD_REEFER_EVAPORATOR_COIL_3	reefer	boxdata	number		No	Evaporator coil at first zone on the second recorder.
BD_REEFER_EVAPORATOR_COIL_4	reefer	boxdata	number		No	Evaporator coil at second zone on the second recorder.
BD_REEFER_EVAPORATOR_COIL_5	reefer	boxdata	number		No	Evaporator coil at third zone.
BD_REEFER_EVAPORATOR_COIL_6	reefer	boxdata	number		No	Evaporator coil at sixth zone.
BD_REEFER_EVAPORATOR_SERIAL_1	reefer	boxdata	string		No	Serial Number of Evaporator 1
BD_REEFER_EVAPORATOR_SERIAL_2	reefer	boxdata	string		No	Serial Number of Evaporator 2
BD_REEFER_EVAPORATOR_SERIAL_3	reefer	boxdata	string		No	Serial Number of Evaporator 3
BD_REEFER_FUEL	reefer	boxdata	number		No	Percentage of fuel left in the reservoir. First recorder.
BD_REEFER_FUEL_2	reefer	boxdata	integer		No	Precentage of fuel left in the reservoir. Second recorder.
BD_REEFER_FUEL_SENT	reefer	boxdata	integer		No	Percentage of fuel left in the reservoir. First recorder. Raw value sent by the telematic unit.
BD_REEFER_MANUFACTURER	reefer	boxdata	integer		No	Manufactor of the reefer
BD_REEFER_ON	reefer	boxdata	boolean		No	Whether the reefer is on.
BD_REEFER_OPERATING_HOURS	reefer	boxdata	number		No	Operating hours of first reefer.
BD_REEFER_OPERATING_HOURS_2	reefer	boxdata	number		No	Operating hours of the reefer on the second recorder.
BD_REEFER_OPERATING_MODE	reefer	boxdata	integer		No	Operating mode of first reefer.

Field	Group	Subgroup of	Data Type	Data Format	Deprecated	Description
BD_REEFER_OPERATING_MODE_2	reefer	boxdata	integer		No	Operating mode of second zone on first recorder.
BD_REEFER_OPERATING_MODE_3	reefer	boxdata	integer		No	Operation mode of the third zone on the first recorder.
BD_REEFER_OPERATING_MODE_4	reefer	boxdata	integer		No	Operation mode of the first zone on the second recorder.
BD_REEFER_OPERATING_MODE_5	reefer	boxdata	integer		No	Operation mode of the second zone on the second recorder.
BD_REEFER_OPERATING_MODE_6	reefer	boxdata	integer		No	Operation mode of the third zone on the second recorder.
BD_REEFER_OPERATING_TYPE	reefer	boxdata	integer		Yes	Operating type of the first reefer. Use BD_REEFER_POWER_TYPE and BD_REEFER_OPERATION_TYPE instead. Deprecated
BD_REEFER_OPERATING_TYPE_2	reefer	boxdata	integer		Yes	Operating type of first zone on second recorder. Deprecated
BD_REEFER_OPERATING_TYPE_3	reefer	boxdata	integer		Yes	Operating type of first zone on second recorder. Deprecated
BD_REEFER_OPERATING_TYPE_4	reefer	boxdata	integer		Yes	Operating type of second zone on second recorder. Deprecated
BD_REEFER_OPERATION_TYPE	reefer	boxdata	array		No	The operation type of the reefer. The Map will contain key's like '1' (first reefer), '2' and int values representing the operation type enum ordinal. See OperationType enum.
BD_REEFER_OVERALL_STATE	reefer	boxdata	integer		No	Reefer overall state from first recorder.
BD_REEFER_OVERALL_STATE_2	reefer	boxdata	integer		No	Reefer overall state from second recorder.
BD_REEFER_POWER_TYPE	reefer	boxdata	array		No	The power type of the reefer. The Map will contain key's like '1' (first reefer), '2' and int values representing the powertype enum ordinal. See PowerType enum.
BD_REEFER_RETURN_AIR	reefer	boxdata	number	float	No	First return air temperature from first zone on first reefer.
BD_REEFER_RETURN_AIR_10	reefer	boxdata	number	float	No	Temperature of the return air of the third zone on the second recorder.
BD_REEFER_RETURN_AIR_11	reefer	boxdata	number	float	No	Temperature of the return air of the third zone on the second recorder
BD_REEFER_RETURN_AIR_12	reefer	boxdata	number	float	No	Temperature of the return air of the sixth zone on the second recorder
BD_REEFER_RETURN_AIR_2	reefer	boxdata	number	float	No	Second return air temperature of first zone on first recorder.
BD_REEFER_RETURN_AIR_3	reefer	boxdata	number	float	No	First return air temperature of second zone on first recorder.
BD_REEFER_RETURN_AIR_4	reefer	boxdata	number	float	No	Second return air temperature of second zone on first recorder.
BD_REEFER_RETURN_AIR_5	reefer	boxdata	number	float	No	First temperature of the return air from the first zone on the second recorder.
BD_REEFER_RETURN_AIR_6	reefer	boxdata	number	float	No	Second temperature of the return air from the first zone on the second recorder.
BD_REEFER_RETURN_AIR_7	reefer	boxdata	number	float	No	First temperature of the return air from the second zone on the second recorder.
BD_REEFER_RETURN_AIR_8	reefer	boxdata	number	float	No	Second temperature of the return air from the second zone on the second recorder.
BD_REEFER_RETURN_AIR_9	reefer	boxdata	number	float	No	Temperature of the return air of the third zone on the first recorder.
BD_REEFER_SERIAL	reefer	boxdata	string		No	Serial Number of Reefer
BD_REEFER_SERVICE_NECESSARY	reefer	boxdata	boolean		No	(Cargobull Push only)
BD_REEFER_SERVICE_OVERDUE	reefer	boxdata	boolean		No	(Cargobull Push only)
BD_REEFER_SETPOINT_1	reefer	boxdata	number	float	No	Setpoint for the first zone on reefer one.
BD_REEFER_SETPOINT_2	reefer	boxdata	number	float	No	Setpoint for the second zone on reefer one.
BD_REEFER_SETPOINT_3	reefer	boxdata	number	float	No	Setpoint for the third zone on reefer one.
BD_REEFER_SETPOINT_4	reefer	boxdata	number		No	Temperature of the setpoint of the first zone on the second recorder.
BD_REEFER_SETPOINT_5	reefer	boxdata	number		No	Temperature of the setpoint of the second zone on the second recorder.
BD_REEFER_SETPOINT_6	reefer	boxdata	number		No	Temperature of the setpoint of the third zone on the second recorder.
BD_REEFER_SHUTDOWN_ALARM	reefer	boxdata	boolean		No	(Cargobull Push only)
BD_REEFER_SOFTWARE_VERSION	reefer	boxdata	string		No	current firmware version used by reefer
BD_REEFER_STANDBY_HOURS	reefer	boxdata	number		No	Standby hours of reefer
BD_REEFER_STANDBY_HOURS_2	reefer	boxdata	number		No	Standby hours on second recorder.
BD_REEFER_START_STOP_MODE	reefer	boxdata	boolean		No	Value only set by cargobull.
BD_REEFER_SUPPLY_AIR	reefer	boxdata	number	float	No	First supply air temperature to first zone on first reefer.
BD_REEFER_SUPPLY_AIR_10	reefer	boxdata	number	float	No	Temperature of the supply air to the third zone of the second recorder.
BD_REEFER_SUPPLY_AIR_11	reefer	boxdata	number	float	No	Temperature of the supply air to the third zone on the second recorder
BD_REEFER_SUPPLY_AIR_12	reefer	boxdata	number	float	No	Temperature of the supply air to the sixth zone on the second recorder
BD_REEFER_SUPPLY_AIR_2	reefer	boxdata	number	float	No	Second supply air temperature to first zone on first recorder.
BD_REEFER_SUPPLY_AIR_3	reefer	boxdata	number	float	No	First supply air temperature to second zone on first recorder.
BD_REEFER_SUPPLY_AIR_4	reefer	boxdata	number	float	No	Second supply air temperature to second zone on first recorder.
BD_REEFER_SUPPLY_AIR_5	reefer	boxdata	number	float	No	First temperature of the supply air to the first zone on the second recorder.
BD_REEFER_SUPPLY_AIR_6	reefer	boxdata	number	float	No	Second temperature of the supply air to the first zone on the second recorder.
BD_REEFER_SUPPLY_AIR_7	reefer	boxdata	number	float	No	First temperature of the supply air to the second zone on the second recorder.
BD_REEFER_SUPPLY_AIR_8	reefer	boxdata	number	float	No	Second temperature of the supply air to the second zone on the second recorder.
BD_REEFER_SUPPLY_AIR_9	reefer	boxdata	number	float	No	Temperature of the supply air to the third zone on the first recorder.
BD_REEFER_SWITCH_ON_HOURS	reefer	boxdata	number		No	Number of hours the reefer was switched on.
BD_REEFER_SWITCH_ON_HOURS_2	reefer	boxdata	number		No	Total hours on second recorder.
BD_REEFER_TIME	reefer	boxdata	string		Yes	Timestamp of the reefer data. (Cargobull Push only)
BD_REEFER_WARNING	reefer	boxdata	boolean		No	Warning from the first reefer. Set by dt-udp, and telic. Interpreted by the alarm service.
BD_REEFER_WARNING_2	reefer	boxdata	boolean		No	Warning for first zone on second recorder.
BD_REEFER_ZONES	reefer	boxdata	integer		No	Number of (active?) zones on first recorder.
BD_REEFER_ZONES_2	reefer	boxdata	integer		No	Number of (active?) zones on second recorder.
BD_TEMP_TIME	reefer	boxdata	string		No	Timestamp of the BD_TEMP1 to BD_TEMP6 values. Only set by cargobull, euroleasing, euroscan-legacy, and rcom
BD_TEMP1	reefer	boxdata	number	float	No	Temperature from first recorder.
BD_TEMP10	reefer	boxdata	number	float	No	Temperature from second recorder.
BD_TEMP11	reefer	boxdata	number	float	No	Temperature from second recorder.
BD_TEMP12	reefer	boxdata	number	float	No	Temperature from second recorder.
BD_TEMP13	reefer	boxdata	number	float	No	Temperature from third recorder.
BD_TEMP14	reefer	boxdata	number	float	No	Temperature from third recorder.
BD_TEMP15	reefer	boxdata	number	float	No	Temperature from third recorder.
BD_TEMP16	reefer	boxdata	number	float	No	Temperature from third recorder.
BD_TEMP17	reefer	boxdata	number	float	No	Temperature from third recorder.
BD_TEMP18	reefer	boxdata	number	float	No	Temperature from third recorder.
BD_TEMP2	reefer	boxdata	number	float	No	Temperature from first recorder.
BD_TEMP3	reefer	boxdata	number	float	No	Temperature from first recorder.
BD_TEMP4	reefer	boxdata	number	float	No	Temperature from first recorder.
BD_TEMP5	reefer	boxdata	number	float	No	Temperature from first recorder.
BD_TEMP6	reefer	boxdata	number	float	No	Temperature from first recorder.
BD_TEMP7	reefer	boxdata	number	float	No	Temperature from second recorder.
BD_TEMP8	reefer	boxdata	number	float	No	Temperature from second recorder.
BD_TEMP9	reefer	boxdata	number	float	No	Temperature from second recorder.
BD_EBS_ABS	ebs	boxdata	boolean		No	Whether ABS is active.
BD_EBS_AMBER_WARNING_SIGNAL	ebs	boxdata	boolean		No	Whether the amber/yellow warning signal is on.
BD_EBS_ATVB	ebs	boxdata	boolean		No	Indicates that the Automatic Towed Vehicle Braking (ATVB) is active.
BD_EBS_AVERAGE_BRAKE_PRESSURE	ebs	boxdata	integer		No	The average brake pressure.
BD_EBS_AXLE_1_LIFT_POSITION	ebs	boxdata	boolean		No	Lift position of the axle 1
BD_EBS_AXLE_2_LIFT_POSITION	ebs	boxdata	boolean		No	Lift position of the axle 2
BD_EBS_AXLE_LOAD_SUM	ebs	boxdata	integer		No	Sum of the weight on all axles.
BD_EBS_AXLE_LOAD_SUM_EMPTY	ebs	boxdata	integer		No	Sum of the empty weight on all axles
BD_EBS_BOOGIE_LOAD	ebs	boxdata	integer		No	Percentual load value we get from cargobull, dt-udp, and telic with KNORR or WABCO EBS. ('boogie' is 'bogie')
BD_EBS_BRAKE_APPLY_ACTIVE	ebs	boxdata	boolean		No	Indicates that the brake apply valve is open, i.e., the brake pressure is increased.
BD_EBS_BRAKE_HISTOGRAM	ebs	boxdata	array		No	The brake histogram.
BD_EBS_BRAKE_LINING	ebs	boxdata	boolean		No	Whether brake lining is sufficient.
BD_EBS_BRAKE_LINING_MAP	ebs	boxdata	array		No	The brake linings or wear for TPMS in percent. The Map will contain key's like '17', '19', '27', '26', '29', '2A' and float values.
BD_EBS_BRAKE_LINING_PERCENT	ebs	boxdata	array		No	The brake linings for EBS in percent. Map: String(id) -> Integer(brake lining in %)
BD_EBS_BRAKE_LINING_SENSOR_FAILURE	ebs	boxdata	array		No	If brake linings sensors are broken. Map: String(id) -> Boolean(sensors ok: true or false)
BD_EBS_BRAKE_LINING_SUFF	ebs	boxdata	boolean		No	Whether brake lining is sufficient.
BD_EBS_BRAKE_LINING_SUFFICIENT	ebs	boxdata	boolean		No	Whether brake lining is sufficient.
BD_EBS_BRAKE_LININGS	ebs	boxdata	array		Yes	Brake lining for the tyres of the vehicle.
BD_EBS_BRAKE_LININGS_EXT	ebs	boxdata	array		Yes	Brake lining for the twin tyres of the vehicle.
BD_EBS_BRAKE_TEMPERATURE_SUFFICIENT	ebs	boxdata	boolean		No	Indicates that the brake temperature is sufficient.
BD_EBS_CHASSIS_NUMBER	ebs	boxdata	string		No	Chassis number from EBS.
BD_EBS_CONNECTED_DEVICE_PERMITTED_TRANSMIT	ebs	boxdata	boolean		No	Connected device allows transmission on the bus.
BD_EBS_CURRENT_DTCS	ebs	boxdata	array		No	A list of diagnostic trouble codes (integer) that are currently active.
BD_EBS_ESNBS	ebs	boxdata	boolean		No	Indicates that the Electrical Supply of Non-Braking Systems (ESNBS) is active.
BD_EBS_ISO_11992_STATUS	ebs	boxdata	boolean		No	Indicates that the EBS has a correct CAN connection to the truck.
BD_EBS_LAMP_ACTIVE	ebs	boxdata	boolean		Yes	Indicates that the amber warning signal is active.
BD_EBS_LAMP_ON_FAULT	ebs	boxdata	boolean		Yes	Indicates that the amber warning signal is active due to a failure.
BD_EBS_LATCH_DTCS	ebs	boxdata	array		No	A list of diagnostic trouble codes (integer) that are latched.
BD_EBS_LOADED	ebs	boxdata	boolean		No	Whether the trailer/vehicle/... is loaded.
BD_EBS_LOADED_LAST	ebs	boxdata	boolean		No	If we do not have a BD_EBS_LOADED state, this field can tell what the last known state was.
BD_EBS_NEXT_SERVICE	ebs	boxdata	integer		No	Next service value from EBS. Type: Integer
BD_EBS_NUMBER_OF_ABS_EVENTS	ebs	boxdata	integer		No	The number of abs events.
BD_EBS_NUMBER_OF_AGGRESSIVE_BRAKE_EVENTS	ebs	boxdata	integer		No	The number of aggressive brake events.
BD_EBS_NUMBER_OF_BRAKE_EVENTS	ebs	boxdata	integer		No	The number of normal brake events.

Field	Group	Subgroup of	Data Type	Data Format	Deprecated	Description
BD_EBS_NUMBER_OF_EMERGENCY_BRAKE_EVENTS	ebs	boxdata	integer		No	The number of emergency brake events.
BD_EBS_NUMBER_OF_NORMAL_BRAKE_EVENTS	ebs	boxdata	integer		No	The number of normal brake events.
BD_EBS_NUMBER_OF_PARKING_BRAKE_EVENTS	ebs	boxdata	integer		No	The number of parking brake events.
BD_EBS_NUMBER_OF_RSS_EVENTS	ebs	boxdata	integer		No	The number of rss events.
BD_EBS_NUMBER_OF_SPEED_MAINTAINING_BRAKE_EVENTS	ebs	boxdata	integer		No	The number of speed maintaining events.
BD_EBS_NUMBER_OF_UNKNOWN_BRAKE_EVENTS	ebs	boxdata	integer		No	The number of unknown brake events.
BD_EBS_NUMBER_OF_VDC_EVENTS	ebs	boxdata	integer		No	The number of VDC events.
BD_EBS_OVERLOAD	ebs	boxdata	boolean		No	Whether the vehicle is overloaded. (May not be sourced by EBS data.)
BD_EBS_P21_PRESSURE	ebs	boxdata	number	float	No	Pressure of the P21 in kPa (Controlled brake pressure)
BD_EBS_P22_PRESSURE	ebs	boxdata	number	float	No	Pressure of the P22 in kPa (Controlled brake pressure)
BD_EBS_P223_PRESSURE	ebs	boxdata	number	float	No	Pressure of the P2/23 in kPa
BD_EBS_P4_PRESSURE	ebs	boxdata	number	float	No	Pressure of P4 in kPa (Pneumatic brake demand to EBS of Truck)
BD_EBS_PCAN_PRESSURE	ebs	boxdata	number	float	No	Pressure of pcan in kPa (Pneumatic brake demand to EBS of Truck)
BD_EBS_POWER_SUPPLY_VOLTAGE	ebs	boxdata	number	double	No	Voltage from the power supply at the EBS system.
BD_EBS_PRESSURE_DEMAND	ebs	boxdata	number		No	Pressure demand from EBS.
BD_EBS_RED_WARNING_SIGNAL	ebs	boxdata	boolean		No	Whether the red warning signal is on.
BD_EBS_SERIAL	ebs	boxdata	string		No	EBS ECU Serial Number.
BD_EBS_SERVICE_BRAKE_EVENTS	ebs	boxdata	integer		No	Number of services done on the brakes since the last transmission.
BD_EBS_SERVICE_REQUEST	ebs	boxdata	boolean		No	Indicates that there exists a service request.
BD_EBS_STATUS_BACKUP_POWER_SUPPLY	ebs	boxdata	integer		No	Status of backup power supply.
BD_EBS_STATUS_ISO_7638_POWER_SUPPLY	ebs	boxdata	integer		No	Status of ISO7638 power supply.
BD_EBS_STOP_LIGHT_POWER_AVAILABLE	ebs	boxdata	boolean		No	Indicates that the trailer ebs can be powered via the stop light.
BD_EBS_STOP_LIGHT_POWERED	ebs	boxdata	boolean		No	Whether the stop light is powered.
BD_EBS_SWAWBF	ebs	boxdata	boolean		No	Indicates that the support of side or axle wise brake force distribution is active.
BD_EBS_TOTAL_VEHICLE_DISTANCE	ebs	boxdata	number		No	Continuously upcounting mileage counter from EBS in kilometers. From dt-udp and telic+HALDEX
BD_EBS_TRACTION_HELP_STATUS	ebs	boxdata	boolean		No	Hecksensierung
BD_EBS_TRAILER_LOAD	ebs	boxdata	integer		No	Some load value we get from dt-upd, and telic.
BD_EBS_TRIP_DISTANCE	ebs	boxdata	integer		No	Distance moved in a trip. Value in kilometers.
BD_EBS_TRUCK_VIN	ebs	boxdata	string		No	Chassis number of the truck.
BD_EBS_TRUCK_WHEEL_BASED_VEHICLE_SPEED	ebs	boxdata	number		No	Wheel based vehicle speed from EBS of the truck.
BD_EBS_TYPE	ebs	boxdata	integer		No	Type of the EBS system.
BD_EBS_TYRE_IDENTIFICATION_LINING	ebs	boxdata	integer		Yes	This identifies the tyre on which the brake lining is measured. But incidentally we do not store the brake lining.
BD_EBS_TYRE_IDENTIFICATION_PRESSURE	ebs	boxdata	integer		Yes	This identifies the tyre on which the pressure, that is in BD_EBS_TYRE_PRESSURE has been measured. (Byte value: high nibble is axle number starting with 1 at front, low nibble is wheel pos with 8 for whees at the center line, decrementing to the left side, incrementing to the right side. 0 for axle or wheel signals unknown.)
BD_EBS_TYRE_PRESSURE	ebs	boxdata	number	double	Yes	Tire pressure from the EBS. Which tyre is indicated in BD_EBS_TYRE_IDENTIFICATION_PRESSURE.
BD_EBS_TYRE_PRESSURE_SUFFICIENT	ebs	boxdata	boolean		Yes	Boolean value describing, if tyre pressure is sufficient.
BD_EBS_TYRE_PRESSURES	ebs	boxdata	array		Yes	Tyre pressures for the tyres of the vehicle.
BD_EBS_TYRE_PRESSURES_EXT	ebs	boxdata	array		Yes	Tyre pressures for the twin tyres of the vehicle.
BD_EBS_VEHICLE_DYNAMIC_CONTROL	ebs	boxdata	boolean		No	Whether VDC is active.
BD_EBS_VES	ebs	boxdata	boolean		No	Indicates that the Vehicle Electrical Supply (VES) is active.
BD_EBS_VOLTAGE_SUPPLY_SUFFICIENT	ebs	boxdata	boolean		No	Indicates whether the voltage supply of EBS is sufficient.
BD_EBS_VPS_SUFFICIENT	ebs	boxdata	boolean		No	Indicates that the Vehicle Pneumatic Supply (VPS) is sufficient.
BD_EBS_VRC	ebs	boxdata	boolean		No	Indicates that the Vehicle Retarder Control (VRC) is active.
BD_EBS_VSB	ebs	boxdata	boolean		No	Indicates that the Vehicle Service Brake (VSB) is active.
BD_EBS_WHEEL_BASED_VEHICLE_SPEED	ebs	boxdata	number		No	Wheel based vehicle speed from EBS.
BD_EBS_WHEEL_SPEED_FIRST_AXLE_LEFT	ebs	boxdata	number	float	No	Wheel speed of the first axis, left side.
BD_EBS_WHEEL_SPEED_FIRST_AXLE_RIGHT	ebs	boxdata	number	float	No	Wheel speed of the first axis, right side.
BD_TPMS_ERROR	tpms	boxdata	array		No	Is there an TPMS error? The Map will contain key's like '17', '19', '27', '26', '29', '2A' and a String as error identifier
BD_TPMS_TYPE	tpms	boxdata	integer		No	Identifier for the type of tpms system.
BD_TPMS_TYRE_AIR_LEAKAGE_DETECTION	tpms	boxdata	array		No	The tyre air leakage detection for tpms. Datatype Map<String,String>.
BD_TPMS_TYRE_BURST_STATUS	tpms	boxdata	array		No	The tyre burst status for TPMS. The Map will contain key's like '17', '19', '27', '26', '29', '2A', float and int values.
BD_TPMS_TYRE_FAST_PRES_LOSS_STATUS	tpms	boxdata	array		No	The tyre fast pressure loss status for TPMS. The Map will contain key's like '17', '19', '27', '26', '29', '2A', float and int values.
BD_TPMS_TYRE_PRESSURE_LEVEL	tpms	boxdata	array		Yes	The tyre pressure events for TPMS. The Map will contain key's like '17', '19', '27', '26', '29', '2A' and TpmsEvent enum ordinals.
BD_TPMS_TYRE_PRESSURE_STATUS	tpms	boxdata	array		No	The tyre pressure status for tpms. Datatype Map<String,Integer>.
BD_TPMS_TYRE_PRESSURE_THRESHOLD_DETECTION	tpms	boxdata	array		No	The tyre pressure treshold detection for tpms. Datatype Map<String,String>.
BD_TPMS_TYRE_PRESSURES	tpms	boxdata	array		No	The tyre pressures for TPMS. The Map will contain key's like '17', '19', '27', '26', '29', '2A' and float values.
BD_TPMS_TYRE_PRESSURES_SENSOR_FAILURE	tpms	boxdata	array		Yes	If tire pressure sensors are broken. Map: String(id) -> Boolean(sensors ok: true or false)
BD_TPMS_TYRE_PRESSURES_SUFFICIENT	tpms	boxdata	array		Yes	WHETER TPMS tire pressure is sufficient. Map: String(id) -> Boolean (tyre pressure suffcient (true/false)
BD_TPMS_TYRE_SENSORID_LEARN_STATUS	tpms	boxdata	array		No	The tyre sensor learn status for TPMS. The Map will contain key's like '17', '19', '27', '26', '29', '2A', float and int values.
BD_TPMS_TYRE_TEMPERATURE_STATUS	tpms	boxdata	array		No	The tyre temperature status for tpms. Datatype Map<String,Integer>.
BD_TPMS_TYRE_TEMPERATURES	tpms	boxdata	array		No	The tyre temperature for TPMS. The Map will contain key's like '17', '19', '27', '26', '29', '2A' and float values.
BD_TPMS_TYRE_TIME	tpms	boxdata	array		No	The timpestamps for TPMS. The Map will contain key's like '17', '19', '27', '26', '29', '2A' and float values.
BD_TPMS_TYRE_VIRTUAL_PRESSURE	tpms	boxdata	array		No	The tyre virtual pressure for tpms Datatype Map<String,Float>.
BD_TPMS_TYRE_WHEEL_UNIT_BATTERY_STATUS	tpms	boxdata	array		No	The tyre wheel unit battery status for TPMS. The Map will contain key's like '17', '19', '27', '26', '29', '2A', float and int values.
BD_TPMS_WHEEL_UNIT_SENSOR_ID	tpms	boxdata	array		No	The wheel unit sensor ID for tpms. Datatype Map<String,String>.
BD_TPMS_WHEEL_UNIT_SENSOR_MANUFACTURER	tpms	boxdata	array		No	The tyre wheel unit sensor manufacturer for tpms. Datatype Map<String,Integer>.
BD_TPMS_WHEEL_UNIT_SENSOR_MOVEMENT	tpms	boxdata	array		No	The tyre wheel unit sensor movement for tpms. Datatype Map<String,Integer>.
BD_TPMS_WHEEL_UNIT_SENSOR_ROTATION	tpms	boxdata	array		No	The tyre wheel unit sensor rotation for tpms. Datatype Map<String,Integer>.
BD_GSM_NETWORK	gsm	boxdata	string		No	Which GSM network is used MCC+MNC
BD_GSM_SIGNAL_STRENGTH	gsm	boxdata	integer		No	Signal strength of GSM signal in dBm.
BD_BATTERY_PACK_ASSET_ID	batteryPack	boxdata	string		No	Lynx system unique Asset identifier, Datatype String
BD_BATTERY_PACK_CHARGING_STATUS	batteryPack	boxdata	string		No	Battery charging status.
BD_BATTERY_PACK_LAST_REBALANCE	batteryPack	boxdata	string		No	Last time when the battery is fully charged
BD_BATTERY_PACK_LAST_SEEN	batteryPack	boxdata	string		No	Last update event received from battery unit.
BD_BATTERY_PACK_LCV_POWER_MODE	batteryPack	boxdata	number	float	No	Lcv power mode, Datatype Float
BD_BATTERY_PACK_LOW_BATTERY_SINCE	batteryPack	boxdata	string		No	The battery's charge dropped below 20% from dateTime, Datatype Date & String
BD_BATTERY_PACK_MODEL_NUMBER	batteryPack	boxdata	string		No	Model number from battery unit.
BD_BATTERY_PACK_PROVIDER	batteryPack	boxdata	string		No	Provider of the Battery Pack, Datatype String.
BD_BATTERY_PACK_SERIALNUMBER	batteryPack	boxdata	string		No	Serialnumber from battery unit.
BD_BATTERY_PACK_STATE_OF_CHARGE	batteryPack	boxdata	number	float	No	Battery unit state of charge.
BD_BATTERY_PACK_TEMP_MAX	batteryPack	boxdata	number	float	No	Recent battery maximum temperature noted.
BD_BATTERY_PACK_TEMP_MIN	batteryPack	boxdata	number	float	No	Recent battery minimum temperature noted.
BD_DOOR_OPEN	door	boxdata	boolean		No	Door-open state of first door.
BD_DOOR_OPEN_2	door	boxdata	boolean		No	Whether the second door is open.
BD_DOOR_OPEN_3	door	boxdata	boolean		No	Whether the third door is open.
BD_DURATION_DOOR	door	boxdata	string		No	Since when is the door open. Timestamp of the first record, where the door was open.
VH_CHASSIS	vehicle	boxdata	string		Yes	Only set by the euroleasing, and fleetboard gateway.
VH_EQN	vehicle	boxdata	string		No	Krone Equipment-Number of a vehicle
VH_FLEET_NUMBER	vehicle	boxdata	string		No	Fleet number of the vehicle the box is mounted in. Must be assigned manually.
VH_ID	vehicle	boxdata	string		Yes	Identification of a box. Only unique within boxes of the same BD_BOX_TYPE.
VH_ILU_CODE	vehicle	boxdata	string		No	ILU-Code of the vehicle the box is mounted in. Must be assigned manually.
VH_INTERNAL_NUMBER	vehicle	boxdata	string		Yes	Something like a serial number of a box. Often an additional number, if another serial number is already used for VH_ID.
VH_LICENSE	vehicle	boxdata	string		Yes	License plate number of a vehicle the box is mounted in.
VH_LICENSE_PLATE	vehicle	boxdata	string		No	License plate number of the vehicle the box is mounted in. Must be assigned manually.
VH_VIN	vehicle	boxdata	string		No	VIN of vehicle