https://wiki.teltonika-gps.com/view/FMS_Eco_Driving_Report_Structure

FMS Eco Driving Report Structure

Record Structure	
IO Name	**Description**
Event Type	0 – Periodic 1 – Trip Start 2 – Trip End 3 – Driver change 4 – Device startup 5 – Device off / reset 6 – End of Day 7 – VIN Change
Ignition	0 – Ignition Off 1 – Ignition On
Trip	Trip Odometer value
Total Distance	Total Distance IO element indicates measured vehicle total traveled distance.
Engine Fuel used	Accumulated amount of fuel used during vehicle operation.
Active Driver ID	Driver ID number
VIN Number	Vehicle identification number
Event Counter	Number of events
Coasting Distance	1. Fuel rate below X or Engine torque below X 2. Brake switches off (brakes are not currently in use) 3. Vehicle speed above X km/h 4. Cruise control is not detected to be enabled (OFF)
Coasting Fuel used	Accumulated amount of fuel used during Coasting event.
Coasting Time	Time of how long the event lasted
EcoRoll Distance	1. Fuel rate below X or Engine torque below X 2. Brake switches off (brakes are not currently in use) 3. Vehicle speed above X km/h. 4. Cruise control is not detected to be enabled (OFF) 5. Neutral gear detected
EcoRoll Fuel used	Accumulated amount of fuel used during EcoRoll event.
EcoRoll Time	Time of how long the event lasted
Braking Distance	Brake pedal is used
Braking Fuel used	Accumulated amount of fuel used during Braking event.
Braking Time	Time of how long the event lasted
Braking Count	Amount of brakes
Retarder Distance	Retarder braking detected from FMS parameter
Retarder Fuel used	Accumulated amount of fuel used during Retarder event.
Retarder Time	Time of how long the event lasted
Cruise Distance	Cruise control is detected to be is used
Cruise Fuel used	Accumulated amount of fuel used during Cruise event.
Cruise Time	Time of how long the event lasted
Torque Distance	Distance counted from configured X acceleration pedal position level
Torque Fuel used	Accumulated amount of fuel used during Torque event.
Torque Time	Time of how long the event lasted
PTO Distance	Distance counted on PTO event.
PTO Fuel used	Accumulated amount of fuel used during PTO event.
PTO Time	Time of how long the event lasted
Fuel While Driving	1. Speed > 0km/h is detected 2. Fuel consumption parameter is received 3. Ignition ON
Fuel While Idle	1. Speed = 0km/h is detected 2. Fuel consumption parameter is received 3. Ignition ON
Engine Load fuel	1.Engine load percentage will be configurable parameter X% 2.Speed > 0km/h is detected 3.Fuel consumption parameter is received 4.Ignition ON 5.Engine load parameter >X is detected
Total Distance	Total distance count
Total Fuel used	Total Fuel used count
Total Time	Total time of how long the events lasted
Short Stops Count	Total Short stops count
Long Stops Count	Total Long stops count
Speed Range 1 Distance **Speed Range 2 Distance** **Speed Range 3 Distance** **Speed Range 4 Distance** **Speed Range 5 Distance** **Speed Range 6 Distance** **Speed Range 7 Distance** **Speed Range 8 Distance** **Speed Range 9 Distance** **Speed Range 10 Distance**	Distance traveled in meters during certain speed ranges on trip
Speed Range 1 Fuel used **Speed Range 2 Fuel used** **Speed Range 3 Fuel used** **Speed Range 4 Fuel used** **Speed Range 5 Fuel used** **Speed Range 6 Fuel used** **Speed Range 7 Fuel used** **Speed Range 8 Fuel used** **Speed Range 9 Fuel used** **Speed Range 10 Fuel used**	Fuel used in milliliters during certain speed ranges on trip
Speed Range 1 Time **Speed Range 2 Time** **Speed Range 3 Time** **Speed Range 4 Time** **Speed Range 5 Time** **Speed Range 6 Time** **Speed Range 7 Time** **Speed Range 8 Time** **Speed Range 9 Time** **Speed Range 10 Time**	Trip time duration in seconds during certain speed ranges
RPM Range 1 Distance **RPM Range 2 Distance** **RPM Range 3 Distance** **RPM Range 4 Distance** **RPM Range 5 Distance** **RPM Range 6 Distance** **RPM Range 7 Distance** **RPM Range 8 Distance** **RPM Range 9 Distance** **RPM Range 10 Distance**	Distance traveled in meters during certain RPM ranges on trip
RPM Range 1 Fuel used **RPM Range 2 Fuel used** **RPM Range 3 Fuel used** **RPM Range 4 Fuel used** **RPM Range 5 Fuel used** **RPM Range 6 Fuel used** **RPM Range 7 Fuel used** **RPM Range 8 Fuel used** **RPM Range 9 Fuel used** **RPM Range 10 Fuel used**	Fuel used in milliliters during certain RPM ranges on trip
RPM Range 1 Time **RPM Range 2 Time** **RPM Range 3 Time** **RPM Range 4 Time** **RPM Range 5 Time** **RPM Range 6 Time** **RPM Range 7 Time** **RPM Range 8 Time** **RPM Range 9 Time** **RPM Range 10 Time**	Trip time duration in seconds during certain RPM ranges
Torque Range 1 Distance **Torque Range 2 Distance** **Torque Range 3 Distance** **Torque Range 4 Distance** **Torque Range 5 Distance** **Torque Range 6 Distance** **Torque Range 7 Distance** **Torque Range 8 Distance** **Torque Range 9 Distance** **Torque Range 10 Distance**	Distance traveled in meters during certain Torque ranges on trip
Torque Range 1 Fuel used **Torque Range 2 Fuel used** **Torque Range 3 Fuel used** **Torque Range 4 Fuel used** **Torque Range 5 Fuel used** **Torque Range 6 Fuel used** **Torque Range 7 Fuel used** **Torque Range 8 Fuel used** **Torque Range 9 Fuel used** **Torque Range 10 Fuel used**	Fuel used in milliliters during certain Torque ranges on trip
Torque Range 1 Time **Torque Range 2 Time** **Torque Range 3 Time** **Torque Range 4 Time** **Torque Range 5 Time** **Torque Range 6 Time** **Torque Range 7 Time** **Torque Range 8 Time** **Torque Range 9 Time** **Torque Range 10 Time**	Trip time duration in seconds during certain Torque ranges
Braking Range 1 Distance **Braking Range 2 Distance** **Braking Range 3 Distance** **Braking Range 4 Distance** **Braking Range 5 Distance** **Braking Range 6 Distance** **Braking Range 7 Distance** **Braking Range 8 Distance** **Braking Range 9 Distance** **Braking Range 10 Distance**	Distance traveled in meters during certain Braking ranges on trip
Braking Range 1 Fuel used **Braking Range 2 Fuel used** **Braking Range 3 Fuel used** **Braking Range 4 Fuel used** **Braking Range 5 Fuel used** **Braking Range 6 Fuel used** **Braking Range 7 Fuel used** **Braking Range 8 Fuel used** **Braking Range 9 Fuel used** **Braking Range 10 Fuel used**	Fuel used in milliliters during certain Braking ranges on trip

FMS Eco Driving parsed example

Unparsed data

00000000 000001F3 8E 01 00000186B6204915 00 0F0E8788 209ADC40 007B 0027 11 0000 2EE0 0023 0000 0000 0023 2F65 00000000 2F66 00000000 2F67 00000000 2F68 00000000 2F69 00000000 2F6A 00000000 2F6B 00000000 2F6C 00000000 2F6D 00000000 2F6E 00000000 2F6F 00000000 2F70 00000000 2F71 00000000 2F72 00000000 2F73 00000000 2F74 00000000 2F75 00000000 2F76 00000000 2F77 00000000 2F78 00000000 2F79 00000000 2F7A 00000000 2F7B 00000000 2F7C 00000000 2F7D 00000000 2F7E 00000000 2F7F 00000000 2F80 00000000 2F81 00000000 2F82 00000000 2F83 00000000 2F84 00000000 2F85 00000000 2F86 00000000 2F87 00000000 0000 0000 01 0000CE87

Parsed data

Parsed Beacon data part	HEX Code Part
Zero Bytes	00 00 00 00
Data Field Length	00 00 01 F3
Codec ID	8E
Number of Data 1 (Records)	01
Timestamp	00 00 01 86 B6 20 49 15
Priority	00
Longitude	0F 0E 87 88
Latitude	20 9A DC 40
Altitude	00 7B
Angle	00 27
Satellites	11
Speed	00 00
Event Type	2E E0 (AVL ID: 12000)
Number of total ID's	00 23
Number of One Byte IO ID's	00 00
Number of Two Bytes IO ID's	00 00
Number of Four Bytes IO ID's	00 23
RPM Range 4 Distance	2F 65 (AVL ID: 12133)
RPM Range 4 Distance Value	00 00 00 00
RPM Range 5 Distance	2F 66 (AVL ID:12134)
RPM Range 5 Distance Value	00 00 00 00
RPM Range 6 Distance	2F 67 (AVL ID:12135)
RPM Range 6 Distance Value	00 00 00 00
RPM Range 7 Distance	2F 68 (AVL ID:12136)
RPM Range 7 Distance Value	00 00 00 00
RPM Range 8 Distance	2F 69 (AVL ID:12137)
RPM Range 8 Distance Value	00 00 00 00
RPM Range 9 Distance	2F 6A (AVL ID:12138)
RPM Range 9 Distance Value	00 00 00 00
RPM Range 10 Distance	2F 6B (AVL ID:12139)
RPM Range 10 Distance Value	00 00 00 00
RPM Range 1 Fuel used	2F 6C (AVL ID:12140)
RPM Range 1 Fuel used Value	00 00 00 00
RPM Range 2 Fuel used	2F 6D (AVL ID:12141)
RPM Range 2 Fuel used Value	00 00 00 00
RPM Range 3 Fuel used	2F 6E (AVL ID:12142)
RPM Range 3 Fuel used Value	00 00 00 00
RPM Range 4 Fuel used	2F 6F (AVL ID:12143)
RPM Range 4 Fuel used Value	00 00 00 00
RPM Range 5 Fuel used	2F 70 (AVL ID:12144)
RPM Range 5 Fuel used Value	00 00 00 00
RPM Range 6 Fuel used	2F 71 (AVL ID:12145)
RPM Range 6 Fuel used Value	00 00 00 00
RPM Range 7 Fuel used	2F 72 (AVL ID:12146)
RPM Range 7 Fuel used Value	00 00 00 00
RPM Range 8 Fuel used	2F 73 (AVL ID:12147)
RPM Range 8 Fuel used Value	00 00 00 00
RPM Range 9 Fuel used	2F 74 (AVL ID:12148)
RPM Range 9 Fuel used Value	00 00 00 00
RPM Range 10 Fuel used	2F 75 (AVL ID:12149)
RPM Range 10 Fuel used Value	00 00 00 00
RPM Range 1 Time	2F 76 (AVL ID:12150)
RPM Range 1 Time Value	00 00 00 00
RPM Range 2 Time	2F 77 (AVL ID:12151)
RPM Range 2 Time Value	00 00 00 00
RPM Range 3 Time	2F 78 (AVL ID:12152)
RPM Range 3 Time Value	00 00 00 00
RPM Range 4 Time	2F 79 (AVL ID:12153)
RPM Range 4 Time Value	00 00 00 00
RPM Range 5 Time	2F 7A (AVL ID:12154)