FMS Eco Driving Report Structure

	Record Structure
IO Name	Description
	0 - Periodic 1 - Trip Start
	2 - Trip End 3 - Driver change
Event Type	4 - Device startup
	6 - Ered of Day
	7 - VIN Change
Ignition	1 - Ignition On
Trip Total Distance	Trip Odometer value
Engine Fuel used	Accumulated amount of fuel used during vehicle operation.
Active Driver ID	Driver ID number
VIN Number Event Counter	Vehicle identification number Number of events
	1. Fuel rate below X or Engine torque below X
Coasting Distance	2. Brake switches off (brakes are not currently in use) 3. Vehicle sneed 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 rime	1. Fuel rate below X or Engine torque below X
EcoBoll Distance	 Brake switches off (brakes are not currently in use) Vehicle sneed above X km/h
	4. Cruise control is not detected to be enabled (OFF)
EcoRoll Fuel used	5. Neutral gear detected Accumulated amount of fuel used during EcoRoll event.
EcoRoll Time	Time of how long the event lasted
Braking Distance Proving Fund used	Brake pedal is used
Braking Time	Time of how long the event lasted
Braking Count	Amount of brakes
Retarder Distance Retarder Fuel used	Retarder braking detected from FMS parameter 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 Time	Accumulated amount of fuel used during Cruise event. 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.
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 1. Snaad > 0km/h is datacted
Fuel While Driving	2. Fuel consumption parameter is received
	3. Ignition ON 1. Speed = 0km/h is detected
Fuel While Idle	2. Fuel consumption parameter is received
	3. Ignition ON 1.Engine load percentage will be configurable parameter X%
Engine Load fuel	2.Speed > 0km/h is detected 3.End ensummer any method is needed
Ligine Load idei	4.Ignition ON
Total Distance	5.Engine load parameter >X is detected Total distance count
Total Fuel used	Total Fuel used count
Total Time	Total time of how long the events lasted
Short Stops Count Long Stops Count	Total Short 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	Distance traveled in meters during certain speed ranges on trip
Speed Range 8 Distance	
Speed Range 9 Distance Speed Range 10 Distance	
Speed Range 1 Fuel used	
Speed Range 3 Fuel used	
Speed Range 4 Fuel used Speed Range 5 Fuel used	Produced to an Older and and a second second and an end
Speed Range 6 Fuel used Speed Range 7 Fuel used	ruei used in minimers during certain speed ranges on trip
Speed Range 8 Fuel used	
Speed Range 10 Fuel used	
Speed Range 1 Time Speed Range 2 Time	
Speed Range 3 Time	
Speed Range 4 Time Speed Range 5 Time	
Speed Range 6 Time	Trip time dui autori in seconds dui ring certain speed ranges
Speed Range 8 Time	
Speed Range 9 Time Speed Range 10 Time	
RPM Range 1 Distance RPM Range 2 Distance	
RPM Range 3 Distance	
RPM Range 5 Distance	Distance traveled in meters during certain RPM ranges on trip
RPM Range 6 Distance RPM Range 7 Distance	
RPM Range 8 Distance RPM Bange 9 Distance	
RPM Range 10 Distance	
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	Fuel used in milliliters during certain RPM ranges on trip
RPM Range 7 Fuel used	
RPM Range 8 Fuel used RPM Range 9 Fuel used	
RPM Range 10 Fuel used	
RPM Range 2 Time	
RPM Range 3 Time RPM Range 4 Time	
RPM Range 5 Time RPM Range 6 Time	Trip time duration in seconds during certain RPM ranges
RPM Range 7 Time RPM Range 8 Time	
RPM Range 9 Time RPM Range 10 Time	
Torque Range 1 Distance	
Torque Range 2 Distance Torque Range 3 Distance	
Torque Range 4 Distance Torque Bange 5 Distance	
Torque Range 5 Distance	Distance traveled in meters during certain Torque ranges on trip
Torque Range 8 Distance	
Torque Range 9 Distance Torque Range 10 Distance	
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	ruei used in miniters during certain Forque ranges on trip
Torque Range / Fuel used	
Torque Range 9 Fuel used Torque Range 10 Fuel used	
Torque Range 1 Time	
Torque Range 3 Time	
Torque Range 4 Time Torque Range 5 Time	Trin time duration is accorde during action Tarmia magaz
Torque Range 6 Time Torque Range 7 Time	Trip time duration in seconds during certain Torque ranges
Torque Range 7 Ime	
Torque Kange 9 Time Torque Range 10 Time	
Braking Range 1 Distance	
Braking Range 3 Distance	
Braking Range 4 Distance Braking Range 5 Distance	Distance traveled in matere during certain Braking ranges on twin
Braking Range 6 Distance Braking Range 7 Distance	sonance correct in interest unting certain braking ranges on thp
Braking Range 8 Distance	
Braking Range 9 Distance Braking Range 10 Distance	
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	Final read in millillions during anotain Dealding wargas an tele
Braking Range 6 Fuel used Braking Range 7 Fuel used	ruei useu in mininters during certain Braking ranges on trip
Braking Range 8 Fuel used	
praking range 9 ruei Used Parking Range 10 Fuol need	

FMS Eco Driving parsed example

Unparsed data

 0000000
 00001F3
 8E
 01
 0000186B6204915
 00
 0F0E8788
 209ADC40
 007B
 0027
 11
 0000
 2EE0

 0023
 0000
 0000
 0023
 2F65
 0000000
 2F66
 0000000
 2F67
 0000000
 2F68
 0000000
 2F69

 0000000
 2F74
 0000000
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 2F72
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 2F74
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 2F78

 00000000
 2F7C
 0000000
 2F7D
 0000000
 2F7E
 0000000
 2F7F
 0000000
 2F80
 0000000
 2F81

 00000000
 2F82
 00000000
 2F83
 0000000
 2F84
 00000000
 2F85
 0000000
 2F86
 00000000
 2F87

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	<u>00 7B</u>
Angle	00 27
Satellites	<u> </u>
Speed	00 00
Event Type	2E E0 (AVL ID: 12000)
Number of total ID's	00 23
Number of One Byte 10 ID's	
Number of Two Bytes IO ID's	00 00
Number of Four Bytes 10 10's	<u>00 23</u>
RPM Range 4 Distance	2F 05 (AVL ID: 12133)
RPM Range 4 Distance Value	
RFM Ralige 5 Distance	2F 00 (AVL 1D:12134)
PDM Pare 6 Distance	2E 67 (AVI ID:12135)
RPM Range 6 Distance Value	
RPM Range o Distance	2F 68 (AVL ID:12136)
RPM Range 7 Distance Value	
RPM Rance & Distance	2F 69 (AVI, 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	
RPM Range 5 Fuel used	2F 70 (AVL ID:12144)
RPW Range 5 generation of the second	00 00 00 00 2E 71 (AVII ID 12145)
RPM Paring 6 Fuel used Value	21 /1 (AVE 10:12145)
RPM Range 0 rue used value	2E 72 (AVI ID:12146)
RPM Rame 7 Fuel used Value	
RPM Range & Fuel used	2F 73 (AVI, ID:12147)
RPM Rance 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	
RPM Range 4 Time	2F 79 (AVL ID:12153)
RPM Range 4 Time Value	
KPM kange 5 Time	2F /A (AVL ID:12134)