## FM3001 Manual Geofence settings

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FM3001 has 50 configurable Geofence zones and it can generate an event when a defined Geofence zone border is crossed. *Frame border* is an additional border around Geofence zone used to prevent false events when object stops on the border of the area and as a result records are made inside and outside the defined area because of GNSS errors. The event is generated only when both (Geofence and frame) borders are crossed. See figure to the right for details: blue track is considered to have entered the area whereas red track is not.

Shape can be a rectangle or a circle as defined by the user.

Priority of Geofence event is categorized into Low, High or Panic levels. These levels define the priority of event information that is sent to the server. For more details about priorities look in I/O settings section.

*Generate event* allows to choose when record will be generated.

*Eventual records* controls where scenario status value appears: when disabled it will exist in each AVL record and when enabled the value will be appended only to eventual records.

*OverSpeeding* helps to configure OverSpeeding scenarios separately for each different *Geozone*. Regular OverSpeeding and geozones' OverSpeeding function independently. If digital output control is enabled in a regular OverSpeeding scenario, geozones OverSpeeding scenario will control it too i.e when the device is in more than one geozone and OverSpeeding is detected in any zone then the digital output turns on. Digital output turns off only when OverSpeeding is not detected anywhere.

X1 is used to set geofence zone left bottom corner X coordinate (longitude) whereas Y1 is used to set Y coordinate (latitude).

*X2* or *R* are used to set accordingly geofence zone upper right corner X coordinate (longitude) when Rectangular zone is used or circle radius when Circular zone is used. *Y2* sets geofence zone upper right corner Y coordinate (latitude) for a Rectangular zone.

TELTONIK	Load from file	to file	Device not connected Device type FMB125
TELTONIK	4		Configuration 7.1.1.0
Security	Manual geofence selection	Perkûnkiemis Jeruzale 102	
System	1 geozone 🗸	Ar isasini Pasilaidai Valakupiai 102	Ližiškės Gailiūn:
GPRS		Zuju Tabijoniškės Baltupiai	warčionys Kairėnai
Data Acquisition	Manual geofence 1	Siourine g.	Galgiai
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Features	High Priority Panic Priority		
ccelerometer Features	Generate Event	Pi Viršuliškes Antakalnis * Roka	ntiškės
Auto Geofence	No Event On Exit	/ksciai	AND T
Manual Geofence	On Entrance On Both	Raišiai Grulių Žverynas Žverynas Kučki	uriškės Naujoji Vilnia
Trip \ Odometer	Eventual Records	Vilnius An 103 Povilnių	Žaliakalnio
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	Radius (m) 5	ionai yneliai Naujininkai	Rokantiškės
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OBD II	Longitude (X1) 0,0 🗘	Senieji Bukčiai	A state the
CAN Adapter	Overspeeding Disable Enable	Ašmenos Kelias Nemėžis	Didžiasalis
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	SMS Text Geozone Zone 1	tiej <sup>ir</sup> Paneriai Tarptoutinis Darzin	
		ого цесто 202 ого цестох копіці 54° 44' 29,29" N 25° 15' 9,62" Е	Stankutiškės @ OpenStreetMap contributor