Message Format
for
Beam Communication's Inmarsat Tracking Product

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Beam message format Summary

Beam Inmarsat tracking devices send a tracking message either via email or SMS. In both cases message contain resides in plain text comma separated information bits.

Following Beam products utilize these message formats.

- IsatDock DRIVE
- IsatDock MARINE

IsatDock message format

The message is composed of three components: heading, alarm information and content.
- Heading. This is a custom heading you may provide to distinguish between tracking and emergency message.
- The message header can be either just a simple or an Alarm Message Header comprising Message Type (AL), Unix Time (TU) and Sequence Number (SQ).
- The content of a message can be Location Information (LT, LG), Speed (VL), Altitude(HT), Direction(DR) , IMEI(II), GPS fix time (UT).

The message is composed of the information fields separated by a comma.

The table below shows an example of how each field in the message is formatted.

Field	Default Prefix	Example
Heading (when provided)	n/a	Tracking
Alarm Information (Includes three fields)	TU SQ AL	TU1184816146 SQ23 AL23
IMEI	II	II300015000000000
Lat and Long(+HHH.HHHHH)	LT LG	LT-37.92043 LG145.14886
Speed (meters per hour)	VL	VL12000
Altitude (meters above sea level)	HT	HT23
Direction (degrees)	DR	DR234
GPS fix time	FU	FU1184816148

For an example message format:
- The associated Track Message:
  Tracking,SQ0,TU1296429639,AL3,II004401510016278,LT-37.92046,LG145.14926, VL0,HT73,DR0,FU1296429639,

- The associated Emergency Message:
  Emergency,SQ12,TU1296428866,AL3,II004401510016278,LT-37.92046,LG145.14923, VL0,HT75,DR0,FU1296428866,