

Header				
#	Name	Description	Max Size	Syntax
1	System Date	Message transfer date	8	YYYYMMDD
2	System Time	Message transfer time	6	HHMMSS
3	Report Type	POS: Regular Position TOF: TakeOff LAN: Landing OGA: OffGate IGA: In-Gate QPS: Quick Position Report FPL: Flight Plan (V1.6) QPS: Quick Position Report HBT: Heartbeat BEA: Beacon SEN: Sensor/Telemetry Data DMG: Data Message FLP: Flight Plan (V2.0) PNG: Ping IMG: Image Point SPD: Speeding PON: Power On POF: Power Off MOV: Movement INA: Inactive Alert SC0: Short Code 0 SC1: Short Code 1 SC2: Short Code 2 SC3: Short Code 3 SC4: Short Code 4 SC5: Short Code 5 SC6: Short Code 6 SC7: Short Code 7 SC8: Short Code 8 SC9: Short Code 9	3	AAA
4	Unit Type	A: Aircraft (default) H: Helicopter B: Boat C: Car T: Truck O: Other	1	A
5	IMEI number	IMEI number	15	NNNNNNNNNNNNNNNN
6	Name	Name	50	AAAAAAA
7	Registration	Registration number	50	AAAAAAA
8	Date acquisition date	Date of data acquisition	8	YYYYMMDD
9	Date acquisition time	Time of data acquisition	6	HHMMSS

Position Report (POS, TOF, LAN, OGA, IGA, FPL, QPS, ...)				
#	Name	Description	Max Size	Syntax
10	Latitude	Latitude North (+) to South (-)	16	(-)NN.NNNNNNNNNNNN
11	Longitude	Longitude West (-) to East (+)	17	(-)NNN.NNNNNNNNNNNN
12	Altitude	GPS height or MSL in feet	8	NNN
13	Velocity	Knots	5	NNNNN
14	Heading	Tenth of a degree	4	NNNN
15	DOP	Dilution of precision (quality of GPS signal)	4	N.NN
16	Receiver Status	2D/3D signal indicator	3	NNN

17	Origin	Origin of a flight (up to 7 characters)	10	AAAAAAAAAA
18	Destination	Destination of a flight (up to 7 characters)	10	AAAAAAAAAA

Sensor/Telemetry Data (SEN)

#	Name	Description	Max Size	Syntax
10	Sensor port	Specification of reporting port	1	N
11	Command	Command specified in firmware	4	AAAA
12	Data	Data retrieved through sensor port	X	-
13	ParsedEvent*1	Parsed Event from Data field	X	-

Data Message (DMG)

#	Name	Description	Max Size	Syntax
10	Message Type	Message type	3	NNN
11	Data	Data	X	-

Flight Plan (FLP)

#	Name	Description	Max Size	Syntax
10	Flight Rules	Flight Rules	4	AAAA
11	Aircraft Identification	Aircraft Identification	6	AAAAAA
12	Aircraft Type	Aircraft Type & Special Equipment	X	-
13	True Airspeed in KTS	True Airspeed in KTS	4	NNNN
14	Departure Point	Departure Point	5	AAAAAA
15	Departure Time	Departure Time	4	HHMM
16	Cruising Altitude	Cruising Altitude	5	NNNNN
17	Route of Flight	Route of Flight	X	-
18	Destination	Destination	5	AAAAA
19	Est. Time Enroute	Est. Time Enroute	4	HHMM
20	Fuel On Board	Fuel On Board	4	HHMM
21	Alternate Airport	Alternate Airport	5	AAAAA
22	Pilot Information	Pilot Information	X	-
23	Number Aboard	Number Aboard	3	NNN
24	Color of Aircraft	Color of Aircraft	X	-
25	Destination Contact	Destination Contact	X	-
26	Remarks	Remarks	X	-

Heartbeat (BEA)

#	Name	Description	Max Size	Syntax
10	Latitude	Latitude North (+) to South (-)	16	(-)NN.NNNNNNNNNNNN
11	Longitude	Longitude West (-) to East (+)	17	(-)NNN.NNNNNNNNNNNN
12	Altitude	GPS height or MSL in feet	8	NNN
13	Velocity	Knots	5	NNNNN
14	Heading	Tenth of a degree	4	NNNN
15	DOP	Dilution of precision (quality of GPS signal)	4	N.NN
16	Receiver Status	2D/3D signal indicator	3	NNN
17	Origin	Origin of a flight (up to 7 characters)	7	AAAAAAA
18	Destination	Destination of a flight (up to 7 characters)	7	AAAAAAA

Note *1 – ParsedEvent contains, if parsable, individual events sent in the data (12) column. For example: data may contain: FILL/BUCKET/0300/OPEN/BUCKET. This will result into 2 rows: One with ParsedEvent set to FILL/BUCKET/0300/ and the other to OPEN/BUCKET