

“MAYDAY at FL350”

Cospas-Sarsat
Secretariat

Arnaud Sindou

Operations Officer



APSAR WG-11 - May 2026

SAR Event #5 – MAYDAY at FL350

Objective.

1. Read **SIT185** message for **ELT(DT) activation** (Automatic and Manual)
2. Identify the key **MF#s for an FGB ELT(DT)**
3. Place first GNSS positions on a map (GNSS only),
4. Connect to the **LADR**
5. Follow distress positions from the ELT(DT)
6. **Decode** the **HEX ID** and retrieve information from the appropriate beacon registry
7. **Liaise with ATSU** – DETRESFA, Flight Plan, any other information
8. **Liaise with Airline OPR** (with 3LD)
9. Understand the **ELT(DT) data flow**
10. Read SIT185 message for an ELT(DT) **Cancellation**

SAR Event #5 – MAYDAY at FL350

Accident Scenario.

- **19:30**

CS406 departing from LFPG

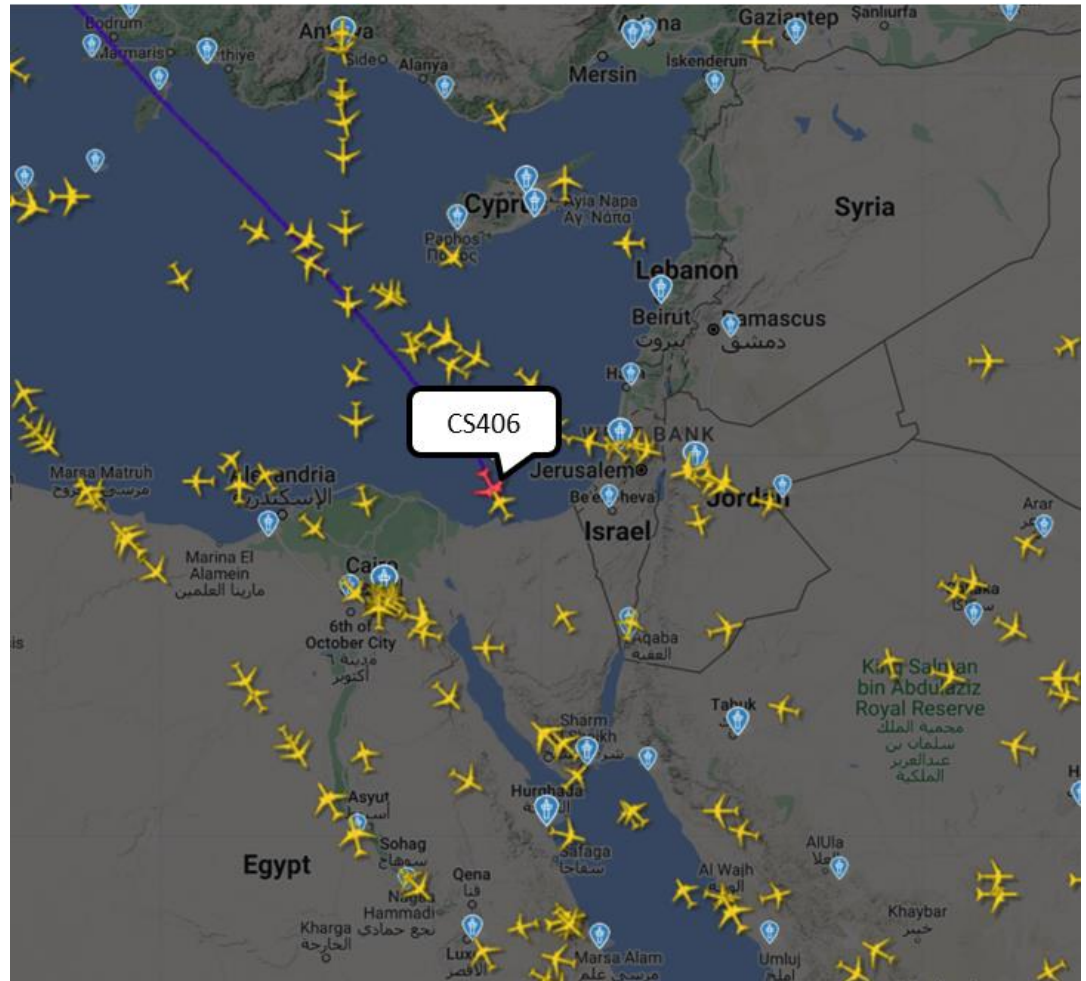
- LGM L77W
- CDG-SIN
- Departure 21:30 (LT)
 - ETA 4:55+1 (LT)
 - **D-SARX**
 - S Mode **406A01**
- 255 POBs
(10 crew+ 245 Pax)



SAR Event #5 – MAYDAY at FL350

Radar Aware Tracking

CS406	L77W	D-SARX
	CDC	SIN
Scheduled Departure	Actual Departure	Schedule Arrival
20:55	21:31	16:55
Status	ETA	16:53
Airline		Flight
Cospas-Sarsat		CS406
Equipment		Call Sign
D-SARX L77W		CS406
Aircraft		
LGM-777(ER)		



SAR Event #5 – MAYDAY at FL350

Accident Scenario.

- **22:16:20**
Explosion in baggage compartment
- **22:16:30**
Depressurisation procedure started
- **22:16:45**
Position FL350
 - Track 135
 - GS 571KT
 - CS406 begins emergency descent at **10,000 ft/min rate**
 - Declare MAYDAY
 - Emergency due to depressurization
 - => DETRESFA by SA ACC



SAR Event #5 – MAYDAY at FL350

Accident Scenario.

- **22:16:50**
ELT(DT) Automatic Activation during descent between FL350 and FL100 (2.5 min) emergency descent rate = 10,000ft/min
- **22:20:07**
ELT(DT)= Automatic Cancellation at FL100 (30s stable at FL100)
- **22:25**
Diverting to RUH (Riyadh, Saudi Arabia)



SAR Event #5 – MAYDAY at FL350

C/S Training Scenario.

SAMCC – Jeddah JRCC – Riyadh ACC

1. 22:17

SAMCC receives ELT(DT) positions for Automatic Activation Hex ID

1A72203500BFDFF

- | | | | | | |
|----|----------|------------|------------|-------------|-----------------|
| 1) | 22:17:00 | – GNSS-A.1 | 31 30.61 N | 039 44.54 E | FL350 – 10,668m |
| 2) | 22:17:05 | – GNSS-A.2 | 31 30.38 N | 039 45.27 E | FL342 – 10,426m |
| 3) | 22:17:10 | – GNSS-A.3 | 31 30.21 N | 039 45.86 E | FL333 – 10,152m |
| 4) | 22:17:15 | – GNSS-A.4 | 31 30.00 N | 039 46.51 E | FL325 – 9,908m |
| 5) | 22:17:20 | – GNSS-A.5 | 31 29.77 N | 039 47.24 E | FL317 – 9,664m |
| 6) | 22:17:25 | – GNSS-A.6 | 31 29.57 N | 039 47.94 E | FL308 – 9,390m |
| 7) | 22:17:30 | – GNSS-A.7 | 31 29.37 N | 039 48.56 E | FL300 – 9,146m |

2. 22:20

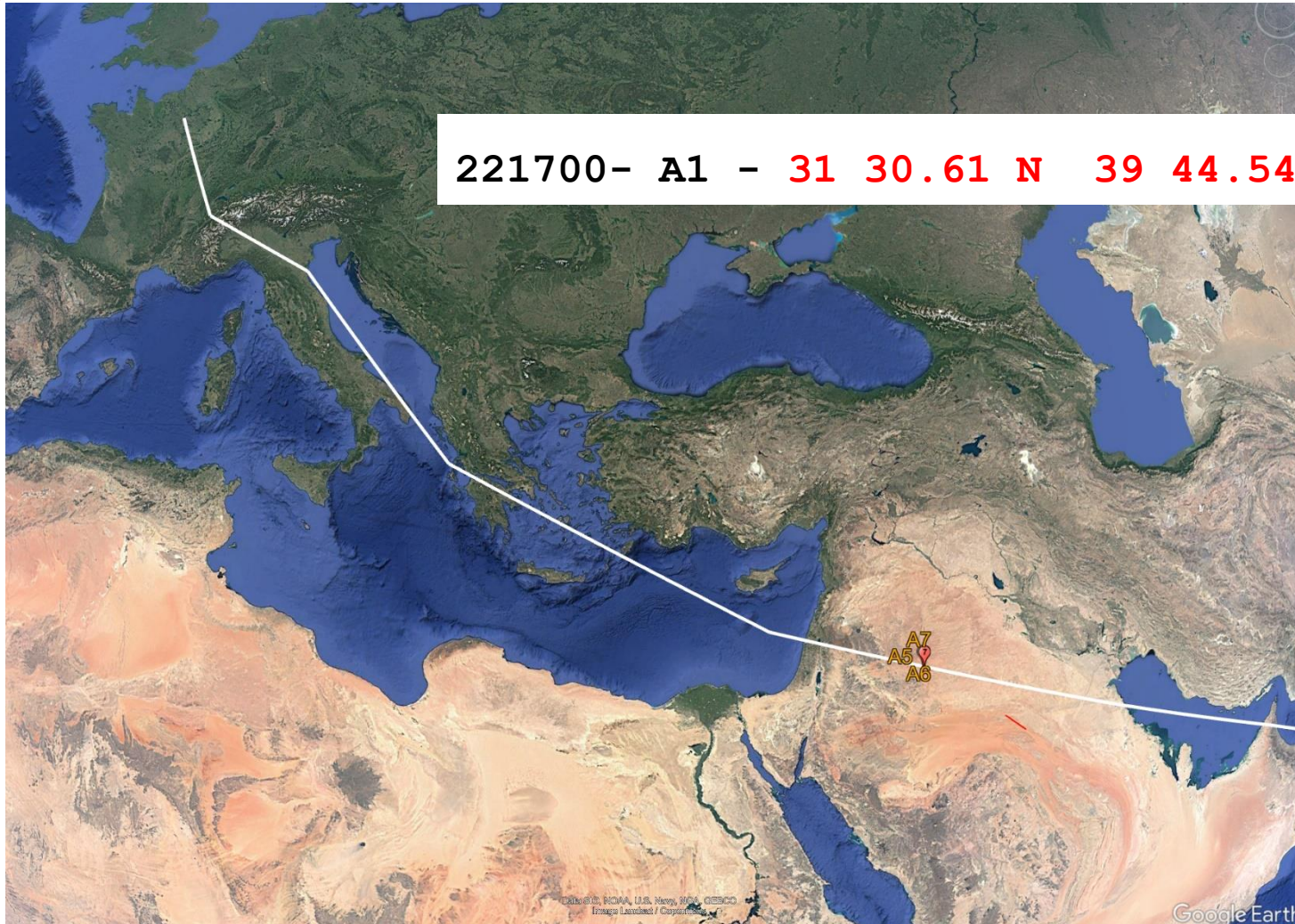
Jeddah RCC liaise with ATSU for exchanging information on the nature of the SAR case



SAR Event #5 – MAYDAY at FL350

1. **DISTRESS TRACKING** COSPAS-SARSAT **INITIAL LOCATED ALERT**
 2. **MSG NO 50101 SAMCC REF 1A72203500BFDF**
 3. **BEACON MESSAGE INFORMATION**
BEACON TYPE ELT DISTRESS TRACKING
AIRCRAFT 24 BIT ADDRESS 406A01 ASSIGNED TO GERMANY
AIRCRAFT OPERATOR DESIGNATOR CSC
HEX ID 1A72203500BFDF
COUNTRY OF BEACON REGISTRATION 211/GERMANY
ACTIVATION TYPE AUTOMATIC BY EXTERNAL MEANS (AVIONICS)
GNSS POSITION PROVIDED BY EXTERNAL DEVICE
 4. **ALERT POSITION INFORMATION**
DETECTED AT 25 FEB 25 221700 UTC BY MEOSAR
ALERT LAST DETECTED AT 25 FEB 25 221700 UTC
GNSS - 31 30.61 N 039 44.54 E
UPDATE TIME WITHIN 2 - 60 SECONDS OF DETECTION TIME
ALTITUDE OF GNSS LOCATION GREATER THAN 10000 METRES (32800 FEET)
 5. **OTHER INFORMATION**
GNSS POSITION UNCERTAINTY PLUS-MINUS 2 SECONDS OF LATITUDE AND LONGITUDE
DETECTION FREQUENCY 406.0400 MHZ
ELT(DT) POSITION DOES NOT REFERENCE ANY PREVIOUS POSITION
 6. **REMARKS**
THIS DISTRESS TRACKING MESSAGE IS BEING SENT TO APPROPRIATE SAR AUTHORITIES
PROCESS THIS ALERT ACCORDING TO RELEVANT REQUIREMENTS
- END OF MESSAGE**

SAR Event #5 – MAYDAY at FL350



SAR Event #5 – MAYDAY at FL350

1. DISTRESS TRACKING COSPAS-SARSAT **POSITION UPDATE ALERT**
 2. MSG NO **50102** SAMCC REF 1A72203500BFDF
 3. BEACON MESSAGE INFORMATION
BEACON TYPE ELT DISTRESS TRACKING
AIRCRAFT 24 BIT ADDRESS 406A01 ASSIGNED TO GERMANY
AIRCRAFT OPERATOR DESIGNATOR CSC
HEX ID 1A72203500BFDF
COUNTRY OF BEACON REGISTRATION 211/GERMANY
ACTIVATION TYPE AUTOMATIC BY EXTERNAL MEANS (AVIONICS)
GNSS POSITION PROVIDED BY EXTERNAL DEVICE
 4. ALERT POSITION INFORMATION
DETECTED AT 25 FEB 25 **221705** UTC BY MEOSAR
ALERT LAST DETECTED AT 25 FEB 25 **221705** UTC
GNSS - **31 30.38 N 039 45.27 E**
UPDATE TIME WITHIN 2 - 60 SECONDS OF DETECTION TIME
ALTITUDE OF GNSS LOCATION **GREATER THAN 10000 METRES (32800 FEET)**
 5. OTHER INFORMATION
GNSS POSITION UNCERTAINTY PLUS-MINUS 2 SECONDS OF LATITUDE AND LONGITUDE
DETECTION FREQUENCY 406.0388 MHZ
ELT(DT) POSITION DOES NOT REFERENCE ANY PREVIOUS POSITION
 6. REMARKS
THIS DISTRESS TRACKING MESSAGE IS BEING SENT TO APPROPRIATE
SAR AUTHORITIES
PROCESS THIS ALERT ACCORDING TO RELEVANT REQUIREMENTS
- END OF MESSAGE

SAR Event #5 – MAYDAY at FL350

1. DISTRESS TRACKING COSPAS-SARSAT **POSITION UPDATE ALERT**
 2. MSG NO **50103** SAMCC REF 1A72203500BFDF
 3. BEACON MESSAGE INFORMATION
BEACON TYPE ELT DISTRESS TRACKING
AIRCRAFT 24 BIT ADDRESS 406A01 ASSIGNED TO GERMANY
AIRCRAFT OPERATOR DESIGNATOR CSC
HEX ID 1A72203500BFDF
COUNTRY OF BEACON REGISTRATION 211/GERMANY
ACTIVATION TYPE AUTOMATIC BY EXTERNAL MEANS (AVIONICS)
GNSS POSITION PROVIDED BY EXTERNAL DEVICE
 4. ALERT POSITION INFORMATION
DETECTED AT 25 FEB 25 **221710** UTC BY MEOSAR
ALERT LAST DETECTED AT 25 FEB 25 **221710** UTC
GNSS - **31 30.21 N 039 45.86 E**
UPDATE TIME WITHIN 2 - 60 SECONDS OF DETECTION TIME
ALTITUDE OF GNSS LOCATION **GREATER THAN 10000 METRES (32800 FEET)**
 5. OTHER INFORMATION
GNSS POSITION UNCERTAINTY PLUS-MINUS 2 SECONDS OF LATITUDE AND LONGITUDE
DETECTION FREQUENCY 406.0388 MHZ
ELT(DT) POSITION DOES NOT REFERENCE ANY PREVIOUS POSITION
 6. REMARKS
THIS DISTRESS TRACKING MESSAGE IS BEING SENT TO APPROPRIATE
SAR AUTHORITIES
PROCESS THIS ALERT ACCORDING TO RELEVANT REQUIREMENTS
- END OF MESSAGE

SAR Event #5 – MAYDAY at FL350

1. DISTRESS TRACKING COSPAS-SARSAT POSITION UPDATE ALERT
 2. MSG NO 50104 SAMCC REF 1A72203500BFDF
 3. BEACON MESSAGE INFORMATION
BEACON TYPE ELT DISTRESS TRACKING
AIRCRAFT 24 BIT ADDRESS 406A01 ASSIGNED TO GERMANY
AIRCRAFT OPERATOR DESIGNATOR CSC
HEX ID 1A72203500BFDF
COUNTRY OF BEACON REGISTRATION 211/GERMANY
ACTIVATION TYPE AUTOMATIC BY EXTERNAL MEANS (AVIONICS)
GNSS POSITION PROVIDED BY EXTERNAL DEVICE
 4. ALERT POSITION INFORMATION
DETECTED AT 25 FEB 25 221715 UTC BY MEOSAR
ALERT LAST DETECTED AT 25 FEB 25 221715 UTC
GNSS - 31 30.00 N 039 46.51 E
UPDATE TIME WITHIN 2 - 60 SECONDS OF DETECTION TIME
ALTITUDE OF GNSS LOCATION BETWEEN 7600 AND 8800 METRES
(BETWEEN 24900 AND 32800 FEET)
 5. OTHER INFORMATION
GNSS POSITION UNCERTAINTY PLUS-MINUS 2 SECONDS OF LATITUDE AND LONGITUDE
DETECTION FREQUENCY 406.0388 MHZ
ELT(DT) POSITION DOES NOT REFERENCE ANY PREVIOUS POSITION
 6. REMARKS
THIS DISTRESS TRACKING MESSAGE IS BEING SENT TO APPROPRIATE
SAR AUTHORITIES
PROCESS THIS ALERT ACCORDING TO RELEVANT REQUIREMENTS
- END OF MESSAGE

SAR Event #5 – MAYDAY at FL350

1. DISTRESS TRACKING COSPAS-SARSAT POSITION UPDATE ALERT
 2. MSG NO 50105 SAMCC REF 1A72203500BFDFE
 3. BEACON MESSAGE INFORMATION
BEACON TYPE ELT DISTRESS TRACKING
AIRCRAFT 24 BIT ADDRESS 406A01 ASSIGNED TO GERMANY
AIRCRAFT OPERATOR DESIGNATOR CSC
HEX ID 1A72203500BFDFE
COUNTRY OF BEACON REGISTRATION 211/GERMANY
ACTIVATION TYPE AUTOMATIC BY EXTERNAL MEANS (AVIONICS)
GNSS POSITION PROVIDED BY EXTERNAL DEVICE
 4. ALERT POSITION INFORMATION
DETECTED AT 25 FEB 25 221720 UTC BY MEOSAR
ALERT LAST DETECTED AT 25 FEB 25 221720 UTC
GNSS - 31 29.77 N 039 47.24 E
UPDATE TIME WITHIN 2 - 60 SECONDS OF DETECTION TIME
ALTITUDE OF GNSS LOCATION BETWEEN 7600 AND 8800 METRES
(BETWEEN 24900 AND 32800 FEET)
 5. OTHER INFORMATION
GNSS POSITION UNCERTAINTY PLUS-MINUS 2 SECONDS OF LATITUDE AND LONGITUDE
DETECTION FREQUENCY 406.0388 MHZ
ELT(DT) POSITION DOES NOT REFERENCE ANY PREVIOUS POSITION
 6. REMARKS
THIS DISTRESS TRACKING MESSAGE IS BEING SENT TO APPROPRIATE
SAR AUTHORITIES
PROCESS THIS ALERT ACCORDING TO RELEVANT REQUIREMENTS
- END OF MESSAGE

SAR Event #5 – MAYDAY at FL350

1. DISTRESS TRACKING COSPAS-SARSAT POSITION UPDATE ALERT
 2. MSG NO 50106 SAMCC REF 1A72203500BFDF
 3. BEACON MESSAGE INFORMATION
BEACON TYPE ELT DISTRESS TRACKING
AIRCRAFT 24 BIT ADDRESS 406A01 ASSIGNED TO GERMANY
AIRCRAFT OPERATOR DESIGNATOR CSC
HEX ID 1A72203500BFDF
COUNTRY OF BEACON REGISTRATION 211/GERMANY
ACTIVATION TYPE AUTOMATIC BY EXTERNAL MEANS (AVIONICS)
GNSS POSITION PROVIDED BY EXTERNAL DEVICE
 4. ALERT POSITION INFORMATION
DETECTED AT 25 FEB 25 221725 UTC BY MEOSAR
ALERT LAST DETECTED AT 25 FEB 25 221725 UTC
GNSS - 31 29.57 N 039 47.94 E
UPDATE TIME WITHIN 2 - 60 SECONDS OF DETECTION TIME
ALTITUDE OF GNSS LOCATION BETWEEN 7600 AND 8800 METRES
(BETWEEN 24900 AND 32800 FEET)
 5. OTHER INFORMATION
GNSS POSITION UNCERTAINTY PLUS-MINUS 2 SECONDS OF LATITUDE AND LONGITUDE
DETECTION FREQUENCY 406.0388 MHZ
ELT(DT) POSITION DOES NOT REFERENCE ANY PREVIOUS POSITION
 6. REMARKS
THIS DISTRESS TRACKING MESSAGE IS BEING SENT TO APPROPRIATE
SAR AUTHORITIES
PROCESS THIS ALERT ACCORDING TO RELEVANT REQUIREMENTS
- END OF MESSAGE

SAR Event #5 – MAYDAY at FL350

1. **DISTRESS TRACKING** COSPAS-SARSAT **POSITION UPDATE ALERT**
 2. MSG NO **50107** SAMCC REF 1A72203500BFDF
 3. BEACON MESSAGE INFORMATION
BEACON TYPE ELT DISTRESS TRACKING
AIRCRAFT 24 BIT ADDRESS 406A01 ASSIGNED TO GERMANY
AIRCRAFT OPERATOR DESIGNATOR CSC
HEX ID 1A72203500BFDF
COUNTRY OF BEACON REGISTRATION 211/GERMANY
ACTIVATION TYPE AUTOMATIC BY EXTERNAL MEANS (AVIONICS)
GNSS POSITION PROVIDED BY EXTERNAL DEVICE
 4. ALERT POSITION INFORMATION
DETECTED AT 25 FEB 25 **221730** UTC BY MEOSAR
ALERT LAST DETECTED AT 25 FEB 25 **221730** UTC
GNSS - **31 29.37 N 039 48.56 E**
UPDATE TIME WITHIN 2 - 60 SECONDS OF DETECTION TIME
ALTITUDE OF GNSS LOCATION **BETWEEN 7600 AND 8800 METRES**
(BETWEEN 24900 AND 32800 FEET)
 5. OTHER INFORMATION
GNSS POSITION UNCERTAINTY PLUS-MINUS 2 SECONDS OF LATITUDE AND LONGITUDE
DETECTION FREQUENCY 406.0388 MHZ
ELT(DT) POSITION DOES NOT REFERENCE ANY PREVIOUS POSITION
 6. REMARKS
THIS DISTRESS TRACKING MESSAGE IS BEING SENT TO APPROPRIATE
SAR AUTHORITIES
PROCESS THIS ALERT ACCORDING TO RELEVANT REQUIREMENTS
- END OF MESSAGE

SAR Event #5 – MAYDAY at FL350



22:17:00	- A.1	31	30.61 N	039	44.54 E	- FL350	- 10,668m
22:17:05	- A.2	31	30.38 N	039	45.27 E	- FL342	- 10,426m
22:17:10	- A.3	31	30.21 N	039	45.86 E	- FL333	- 10,152m
22:17:15	- A.4	31	23.00 N	039	46.51 E	- FL325	- 9,908m
22:17:20	- A.5	31	29.77 N	039	47.24 E	- FL317	- 9,664m
22:17:25	- A.6	31	29.57 N	039	47.94 E	- FL308	- 9,390m
22:17:30	- A.7	31	29.37 N	039	48.56 E	- FL300	- 9,146m

SAR Event #5 – MAYDAY at FL350

**Decoder #2:
1A722 03500 BFDFF**

Binary Range	Binary Content	Field Name	Decoded Value
26	0	Protocol Flag	Location, further information provided in "Protocol Code"
27-36	0011010011	Country code:	Germany - 211
		For associated SAR Points of Contact (SPOC) related to Germany - 211 :	Search Contact list here
37-40	1001	Protocol Code	ELT - ELT-DT Location Protocol
41-42	00	ELT Identity Type	Aircraft 24 bit address
43-66	0100000001 1010100000 0001	Aircraft 24 bit address	406A01 hex (4221441 decimal)
67-75	011111111	Latitude (PDF-1)	Default - no location (Default - no location)
76-85	011111111	Longitude (PDF-1)	Default - no location (Default - no location)

<https://cospas-sarsat.int/en/beacons-pro/beacon-message-decode-program-txsep/beacon-decode-all>

SAR Event #5 – MAYDAY at FL350

C/S Training Scenario.

SAMCC – Jeddah JRCC – Riyadh ACC

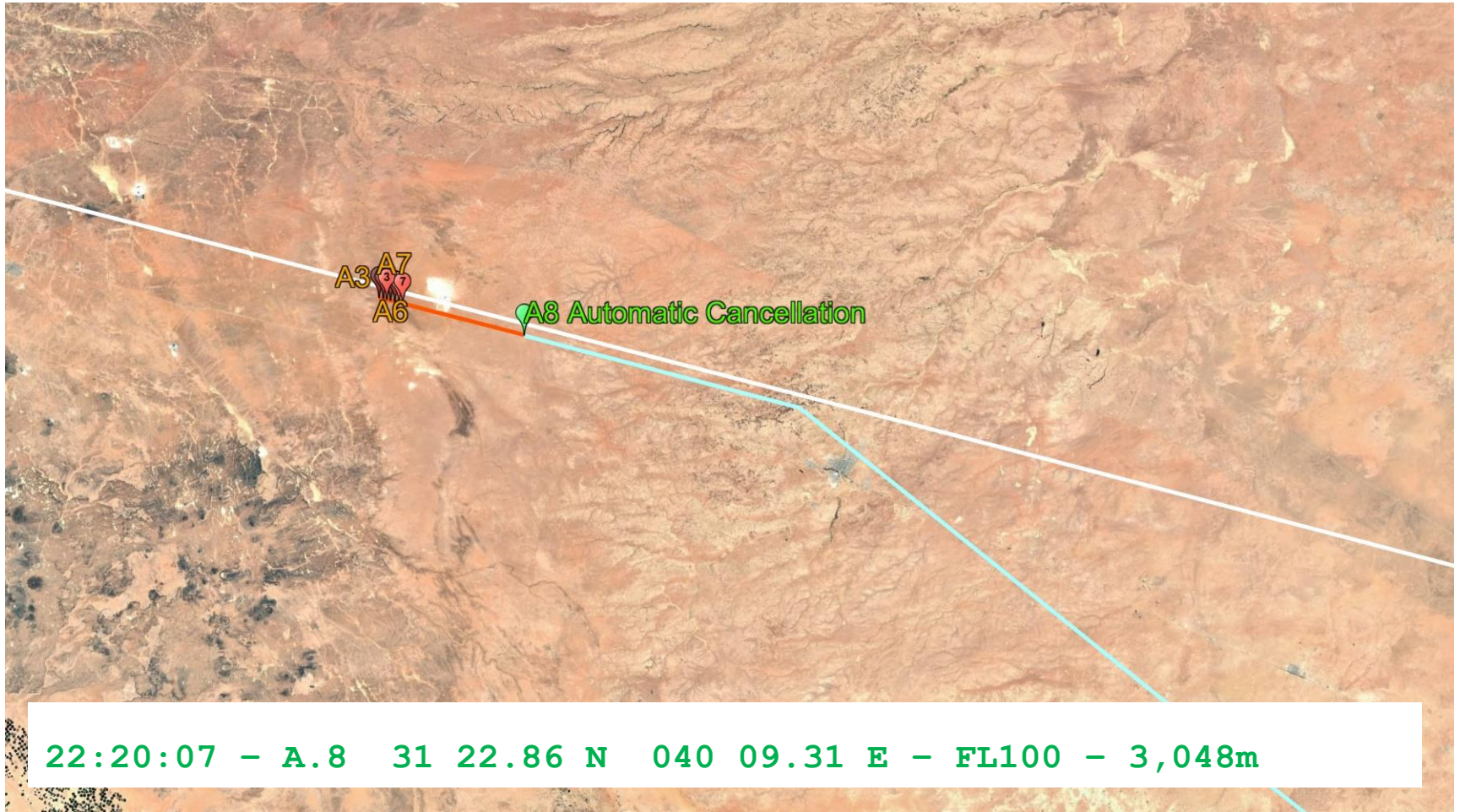
3. **22:20:07** Auto Cancellation Message received
 - 8) 22:20:07– GNSS-A.8 31 22.86 N 040 09.31 E – FL100 – 3,048m
4. **22:23** Jeddah RCC liaise with ATSU for exchanging information on the nature of the SAR case



SAR Event #5 – MAYDAY at FL350

1. **DISTRESS TRACKING COSPAS-SARSAT USER CANCELLATION ALERT**
 2. **MSG NO 50108 SAMCC REF 1A72203500BFDFE**
 3. **BEACON MESSAGE INFORMATION**
BEACON TYPE ELT DISTRESS TRACKING
AIRCRAFT 24 BIT ADDRESS 406A01 ASSIGNED TO GERMANY
AIRCRAFT OPERATOR DESIGNATOR CSC
HEX ID 1A72203500BFDFE
COUNTRY OF BEACON REGISTRATION 211/GERMANY
ACTIVATION TYPE AUTOMATIC BY EXTERNAL MEANS (AVIONICS)
GNSS POSITION PROVIDED BY EXTERNAL DEVICE
 4. **ALERT POSITION INFORMATION**
DETECTED AT 25 FEB 25 222007 UTC BY MEOSAR
ALERT LAST DETECTED AT 25 FEB 25 222007 UTC
GNSS - 31 22.86 N 040 9.31 E
UPDATE TIME WITHIN 2 - 60 SECONDS OF DETECTION TIME
ALTITUDE OF GNSS LOCATION BETWEEN 2800 AND 3400 METRES
(BETWEEN 9100 AND 11100 FEET)
 5. **OTHER INFORMATION**
[...]
 6. **REMARKS**
THIS DISTRESS TRACKING MESSAGE IS BEING SENT TO APPROPRIATE
SAR AUTHORITIES
PROCESS THIS ALERT ACCORDING TO RELEVANT REQUIREMENTS
- END OF MESSAGE**

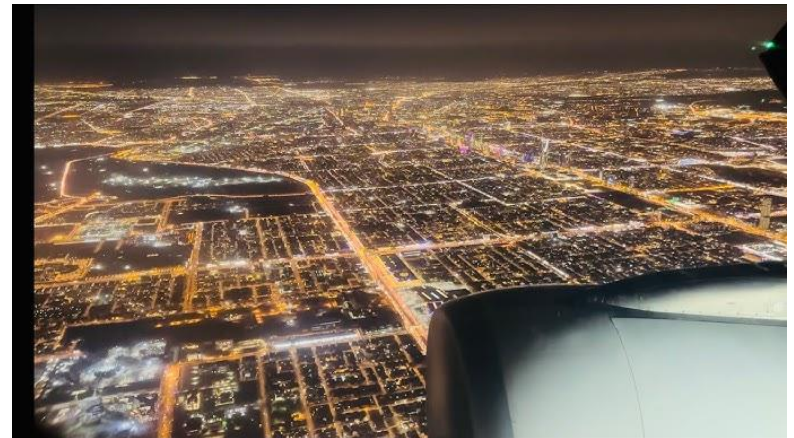
SAR Event #5 – MAYDAY at FL350



SAR Event #5 – MAYDAY at FL350

Accident Scenario.

- **22:46:00**
Smoke detected in Cockpit
- **22:47:00**
ELT(DT) = Manual Activation
upon request from AIRLINE OPR – CSC
- **23:34:13**
ELT(DT) = Manual Cancellation
by Crew when in contact with Riyadh
Approach
- **00:12** Landing at RUH
- **00:15** SA ACC DETRESFA Cancellation



SAR Event #5 – MAYDAY at FL350

C/S Training Scenario.

SAMCC – Jeddah JRCC – Riyadh ACC

5. 22:45

Jeddah RCC receives information by ATS from CSC OPR
about persistent smoke

6. 22:47

SAMCC receives ELT(DT) positions for **Manual Activation**

- 1) 22:47:00 – GNSS-M.1 29 19.08 N 043 01.06 E – FL100
- 2) 22:47:05 – GNSS-M.2 29 18.71 N 043 01.53 E – FL100
- 3) 22:47:10 – GNSS-M.3 29 18.34 N 043 01.98 E – FL100
- 4) 22:47:15 – GNSS-M.4 29 17.94 N 043 02.45 E – FL100
- 5) 22:47:20 – GNSS-M.5 29 17.59 N 043 02.90 E – FL100
- 6) 22:47:25 – GNSS-M.6 29 17.16 N 043 03.40 E – FL100
- 7) 22:47:30 – GNSS-M.7 29 16.77 N 043 03.91 E – FL100

SAR Event #5 – MAYDAY at FL350

1. DISTRESS TRACKING COSPAS-SARSAT INITIAL LOCATED ALERT
 2. MSG NO 50201 SAMCC REF 1A72203500BFDFE
 3. BEACON MESSAGE INFORMATION
BEACON TYPE ELT DISTRESS TRACKING
AIRCRAFT 24 BIT ADDRESS 406A01 ASSIGNED TO GERMANY
AIRCRAFT OPERATOR DESIGNATOR AFR
HEX ID 1A72203500BFDFE
COUNTRY OF BEACON REGISTRATION 211/GERMANY
ACTIVATION TYPE MANUAL
GNSS POSITION PROVIDED BY EXTERNAL DEVICE
 4. ALERT POSITION INFORMATION
DETECTED AT 25 FEB 25 224700 UTC BY MEOSAR
ALERT LAST DETECTED AT 25 FEB 25 224700 UTC
GNSS - 29 19.08 N 043 01.06 E
UPDATE TIME WITHIN 2 - 60 SECONDS OF DETECTION TIME
ALTITUDE OF GNSS LOCATION BETWEEN 2800 AND 3400 METRES
(BETWEEN 9100 AND 11100 FEET)
 5. OTHER INFORMATION
GNSS POSITION UNCERTAINTY PLUS-MINUS 2 SECONDS OF LATITUDE AND LONGITUDE
DETECTION FREQUENCY 406.043 MHZ
ELT(DT) POSITION DOES NOT REFERENCE ANY PREVIOUS POSITION
 6. REMARKS
THIS DISTRESS TRACKING MESSAGE IS BEING SENT TO APPROPRIATE
SAR AUTHORITIES
PROCESS THIS ALERT ACCORDING TO RELEVANT REQUIREMENTS
- END OF MESSAGE

SAR Event #5 – MAYDAY at FL350



22:47:00 – M.1 29 19.08 N 043 01.06 E – FL100 – 3,048m



SAR Event #5 – MAYDAY at FL350

C/S Training Scenario.

SAMCC – Jeddah JRCC – Riyadh ACC

7. 22:57 – 23:27 SAMCC receives other ELT(DT) positions for **Manual Activation**

- 8) 22:57:32 – GNSS-M.8 28 35.22 N 043 54.70 E – FL100
- 9) 23:07:35 – GNSS-M.9 27 57.76 N 044 39.22 E – FL100
- 10) 23:17:38 – GNSS-M.10 27 18.84 N 045 15.25 E – FL080
- 11) 23:27:41 – GNSS-M.11 26 43.22 N 046 02.30 E – FL050

8. 23:34:13 SAMCC receives ELT(DT) **Manual Cancellation**

- 12) GNSS-12 + Manual Cancellation 26 02.80 N 046 30.32 E – FL100 – 3,048m

SAR Event #5 – MAYDAY at FL350

1. DISTRESS TRACKING COSPAS-SARSAT POSITION UPDATE ALERT
 2. MSG NO 50208 SAMCC REF 1A72203500BFDFE
 3. BEACON MESSAGE INFORMATION
BEACON TYPE ELT DISTRESS TRACKING
AIRCRAFT 24 BIT ADDRESS 4064A01 ASSIGNED TO GERMANY
AIRCRAFT OPERATOR DESIGNATOR CSC
HEX ID 1A72203500BFDFE
COUNTRY OF BEACON REGISTRATION 211/GERMANY
ACTIVATION TYPE MANUAL
GNSS POSITION PROVIDED BY EXTERNAL DEVICE
 4. ALERT POSITION INFORMATION
DETECTED AT 25 FEB 25 225732 UTC BY MEOSAR
ALERT LAST DETECTED AT 25 FEB 25 225732 UTC
GNSS - 28 35.22 N 043 54.70 E
UPDATE TIME WITHIN 2 - 60 SECONDS OF DETECTION TIME
ALTITUDE OF GNSS LOCATION BETWEEN 2800 AND 3400 METRES
(BETWEEN 9100 AND 11100 FEET)
 5. OTHER INFORMATION
GNSS POSITION UNCERTAINTY PLUS-MINUS 2 SECONDS OF LATITUDE AND LONGITUDE
DETECTION FREQUENCY 406.043 MHZ
ELT(DT) POSITION DOES NOT REFERENCE ANY PREVIOUS POSITION
 6. REMARKS
THIS DISTRESS TRACKING MESSAGE IS BEING SENT TO APPROPRIATE
SAR AUTHORITIES
PROCESS THIS ALERT ACCORDING TO RELEVANT REQUIREMENTS
- END OF MESSAGE

SAR Event #5 – MAYDAY at FL350

1. DISTRESS TRACKING COSPAS-SARSAT POSITION UPDATE ALERT
 2. MSG NO 50209 SAMCC REF 1A72203500BFDFE
 3. BEACON MESSAGE INFORMATION
BEACON TYPE ELT DISTRESS TRACKING
AIRCRAFT 24 BIT ADDRESS 406A01 ASSIGNED TO GERMANY
AIRCRAFT OPERATOR DESIGNATOR CSC
HEX ID 1A72203500BFDFE
COUNTRY OF BEACON REGISTRATION 211/GERMANY
ACTIVATION TYPE MANUAL
GNSS POSITION PROVIDED BY EXTERNAL DEVICE
 4. ALERT POSITION INFORMATION
DETECTED AT 25 FEB 25 230735 UTC BY MEOSAR
ALERT LAST DETECTED AT 25 FEB 25 230735 UTC
GNSS - 27 57.76 N 044 39.22 E
UPDATE TIME WITHIN 2 - 60 SECONDS OF DETECTION TIME
ALTITUDE OF GNSS LOCATION BETWEEN 2800 AND 3400 METRES
(BETWEEN 9100 AND 11100 FEET)
 5. OTHER INFORMATION
GNSS POSITION UNCERTAINTY PLUS-MINUS 2 SECONDS OF LATITUDE AND LONGITUDE
DETECTION FREQUENCY 406.042 MHZ
ELT(DT) POSITION DOES NOT REFERENCE ANY PREVIOUS POSITION
 6. REMARKS
THIS DISTRESS TRACKING MESSAGE IS BEING SENT TO APPROPRIATE
SAR AUTHORITIES
PROCESS THIS ALERT ACCORDING TO RELEVANT REQUIREMENTS
- END OF MESSAGE

SAR Event #5 – MAYDAY at FL350

1. DISTRESS TRACKING COSPAS-SARSAT POSITION UPDATE ALERT
 2. MSG NO 50210 SAMCC REF 1A72203500BFDFE
 3. BEACON MESSAGE INFORMATION
BEACON TYPE ELT DISTRESS TRACKING
AIRCRAFT 24 BIT ADDRESS 406A01 ASSIGNED TO GERMANY
AIRCRAFT OPERATOR DESIGNATOR CSC
HEX ID 1A72203500BFDFE
COUNTRY OF BEACON REGISTRATION 211/GERMANY
ACTIVATION TYPE MANUAL
GNSS POSITION PROVIDED BY EXTERNAL DEVICE
 4. ALERT POSITION INFORMATION
DETECTED AT 25 FEB 25 231738 UTC BY MEOSAR
ALERT LAST DETECTED AT 25 FEB 25 231738 UTC
GNSS - 27 18.84 N 045 15.25 E
UPDATE TIME WITHIN 2 - 60 SECONDS OF DETECTION TIME
ALTITUDE OF GNSS LOCATION BETWEEN 2800 AND 3400 METRES
(BETWEEN 9100 AND 11100 FEET)
 5. OTHER INFORMATION
GNSS POSITION UNCERTAINTY PLUS-MINUS 2 SECONDS OF LATITUDE AND LONGITUDE
DETECTION FREQUENCY 406.042 MHZ
ELT(DT) POSITION DOES NOT REFERENCE ANY PREVIOUS POSITION
 6. REMARKS
THIS DISTRESS TRACKING MESSAGE IS BEING SENT TO APPROPRIATE
SAR AUTHORITIES
PROCESS THIS ALERT ACCORDING TO RELEVANT REQUIREMENTS
- END OF MESSAGE

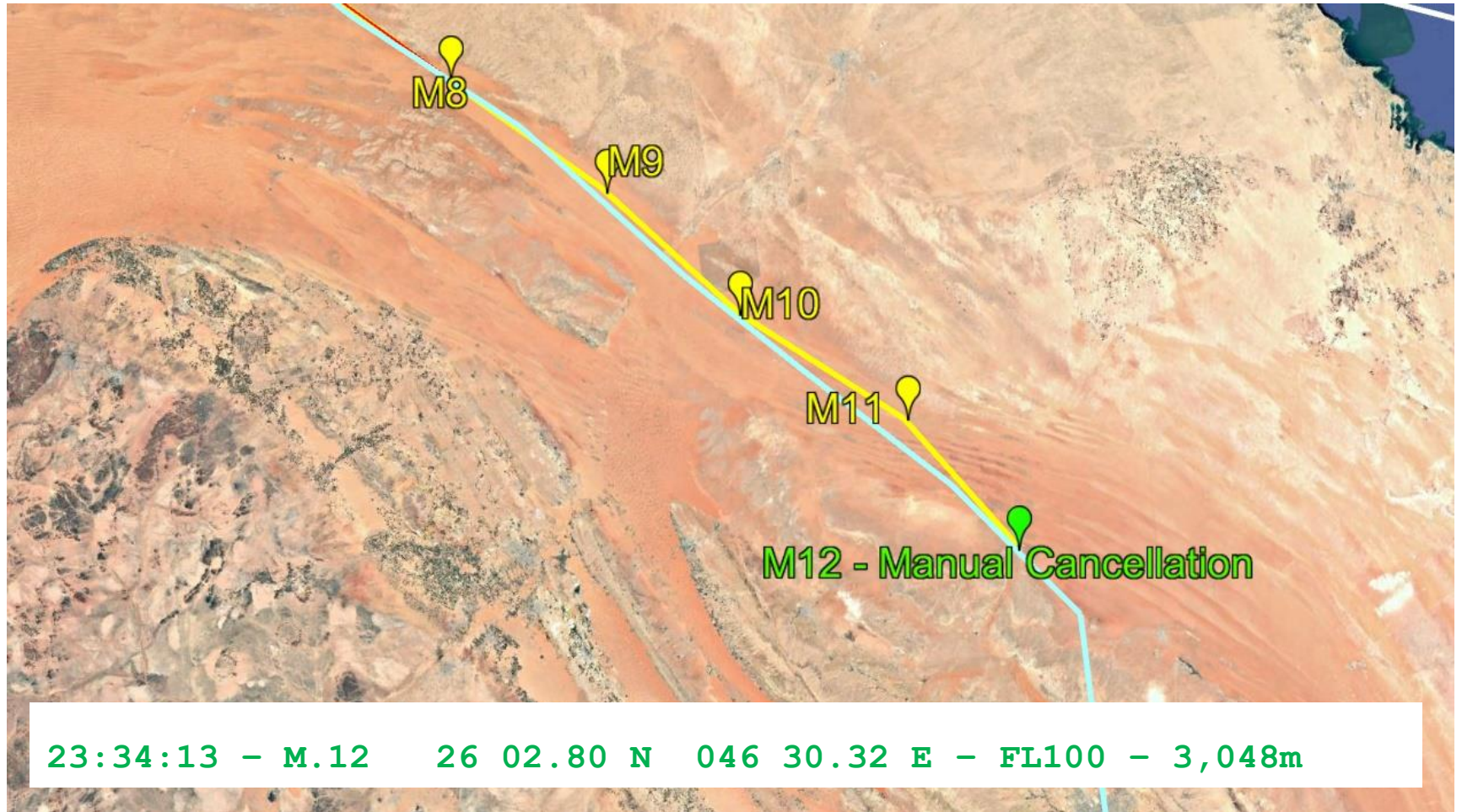
SAR Event #5 – MAYDAY at FL350

1. DISTRESS TRACKING COSPAS-SARSAT POSITION UPDATE ALERT
 2. MSG NO 50211 SAMCC REF 1A72203500BFDFE
 3. BEACON MESSAGE INFORMATION
BEACON TYPE ELT DISTRESS TRACKING
AIRCRAFT 24 BIT ADDRESS 406A01 ASSIGNED TO GERMANY
AIRCRAFT OPERATOR DESIGNATOR CSC
HEX ID 1A72203500BFDFE
COUNTRY OF BEACON REGISTRATION 211/GERMANY
ACTIVATION TYPE MANUAL
GNSS POSITION PROVIDED BY EXTERNAL DEVICE
 4. ALERT POSITION INFORMATION
DETECTED AT 25 FEB 25 232741 UTC BY MEOSAR
ALERT LAST DETECTED AT 25 FEB 25 232741 UTC
GNSS - 26 43.22 N 046 02.30 E
UPDATE TIME WITHIN 2 - 60 SECONDS OF DETECTION TIME
ALTITUDE OF GNSS LOCATION BETWEEN 2800 AND 3400 METRES
(BETWEEN 9100 AND 11100 FEET)
 5. OTHER INFORMATION
GNSS POSITION UNCERTAINTY PLUS-MINUS 2 SECONDS OF LATITUDE AND LONGITUDE
DETECTION FREQUENCY 406.042 MHZ
ELT(DT) POSITION DOES NOT REFERENCE ANY PREVIOUS POSITION
 6. REMARKS
THIS DISTRESS TRACKING MESSAGE IS BEING SENT TO APPROPRIATE
SAR AUTHORITIES
PROCESS THIS ALERT ACCORDING TO RELEVANT REQUIREMENTS
- END OF MESSAGE

SAR Event #5 – MAYDAY at FL350

1. DISTRESS TRACKING COSPAS-SARSAT **USER CANCELLATION ALERT**
2. MSG NO **50212** SAMCC REF 1A72203500BFDFE
3. BEACON MESSAGE INFORMATION
BEACON TYPE ELT DISTRESS TRACKING
AIRCRAFT 24 BIT ADDRESS 406A01 ASSIGNED TO GERMANY
AIRCRAFT OPERATOR DESIGNATOR CSC
HEX ID 1A72203500BFDFE
COUNTRY OF BEACON REGISTRATION 211/GERMANY
ACTIVATION TYPE MANUAL
GNSS POSITION PROVIDED BY EXTERNAL DEVICE
4. ALERT POSITION INFORMATION
DETECTED AT 25 FEB 25 **233413** UTC BY MEOSAR
ALERT LAST DETECTED AT 25 FEB 25 **233413** UTC
GNSS - **26 02.80 N 046 30.32 E**
UPDATE TIME WITHIN 2 - 60 SECONDS OF DETECTION TIME
ALTITUDE OF GNSS LOCATION BETWEEN 2800 AND 3400 METRES
(BETWEEN 9100 AND 11100 FEET)
5. OTHER INFORMATION
GNSS POSITION UNCERTAINTY PLUS-MINUS 2 SECONDS OF LATITUDE AND LONGITUDE
DETECTION FREQUENCY 406.042 MHZ
ELT(DT) POSITION DOES NOT REFERENCE ANY PREVIOUS POSITION
CANCELLATION CONFIRMED
6. REMARKS
THIS DISTRESS TRACKING MESSAGE IS BEING SENT TO APPROPRIATE
SAR AUTHORITIES
PROCESS THIS ALERT ACCORDING TO RELEVANT REQUIREMENTS
END OF MESSAGE

SAR Event #5 – MAYDAY at FL350



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Remarks.

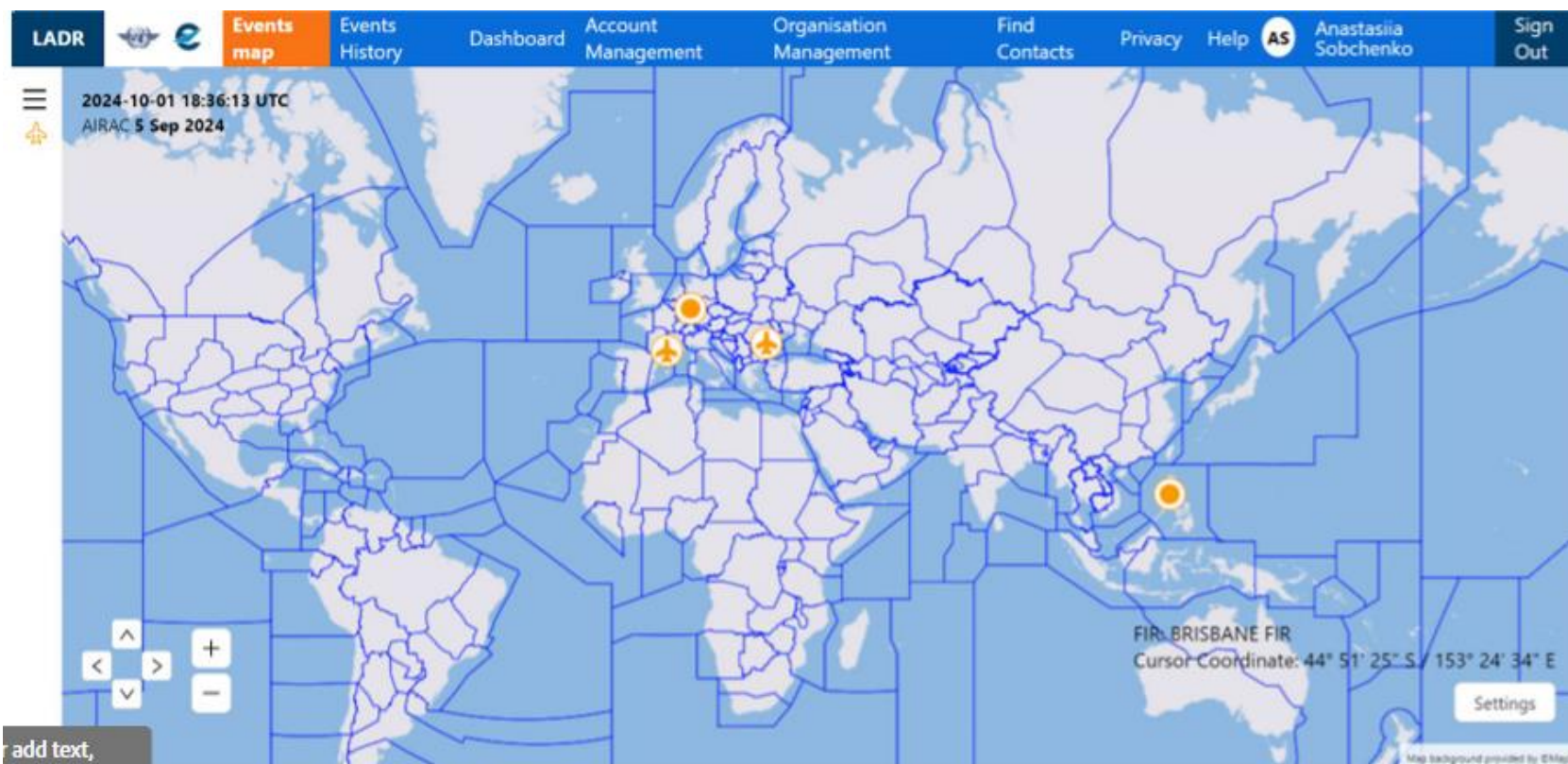
- Rapid rate of ELT(DT) message
 - **1x every 5 seconds**
within the first **30 seconds**), then
 - **1 position every 10 minutes**
=> Go to **LADR** for the follow-up

- **Last Known Position (LKP) within SIT185** will be transmitted anyway in a last SIT185 message even **if the plane disappears during the period of 10 minutes (see above)**

- **LKP within SIT185** will be transmitted **right away if the activation means changes** from “AUTOMATIC BY EXTERNAL MEANS (AVIONICS)” to “**G-SWITCH / POSSIBLE CRASH**”



SAR Event #5 – MAYDAY at FL350



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Remarks.

- **Last position is always provided**, whatever the delay after the last transmission is.
- **3LD** is available in intermediate beacon transmission.
- **3LD** is provided in each SIT185 message.
- **Country of registration** is retrieved from the **24-bit address**.
- To retrieve details from **3LD** information, go to ICAO **DOC 8585** or **ICAO Ops Control Directory**

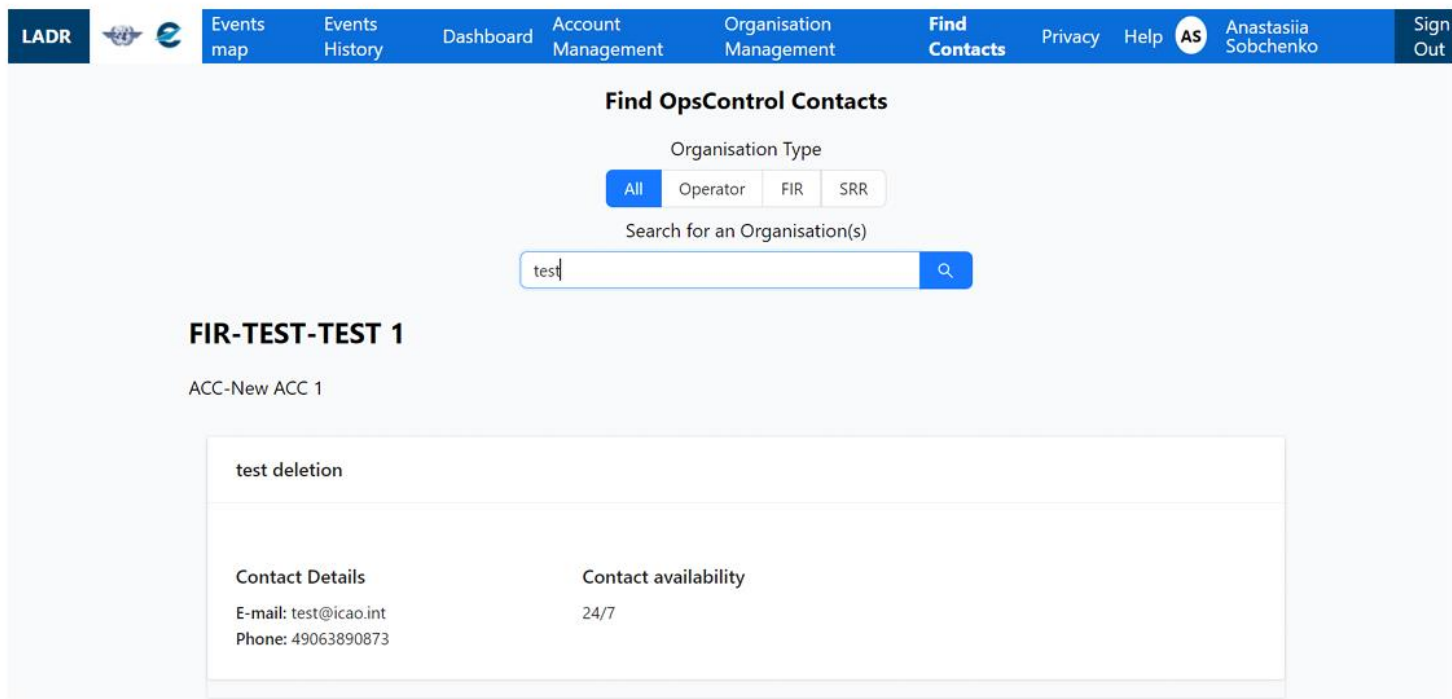
PPT about ICAO/EUROCONTROL LADR and OPS Control Directory (3 Oct 2024) available at

https://www.icao.int/EURNAT/Other%20Meetings%20Seminars%20and%20Workshops/_EUR_APAC%20Search%20and%20Rescue%20Workshop%202024/PPT20.pdf



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Search of Operational Contact Details



The screenshot shows a web application interface for searching operational contact details. The top navigation bar includes links for LADR, Events map, Events History, Dashboard, Account Management, Organisation Management, Find Contacts, Privacy, Help, and a user profile for Anastasiia Sobchenko. The main content area is titled 'Find OpsControl Contacts' and features a search filter for 'Organisation Type' with options for 'All', 'Operator', 'FIR', and 'SRR'. A search input field contains the text 'test' and a search button. Below the search results, the entry 'FIR-TEST-TEST 1' is displayed with the identifier 'ACC-New ACC 1'. A table provides details for this entry:

Contact Details	Contact availability
E-mail: test@icao.int Phone: 49063890873	24/7

Questions ?





THANKS FOR YOUR ATTENTION