



Global Update - GADSS

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APAC SAR Workshop – Aug 2016





TOPICS

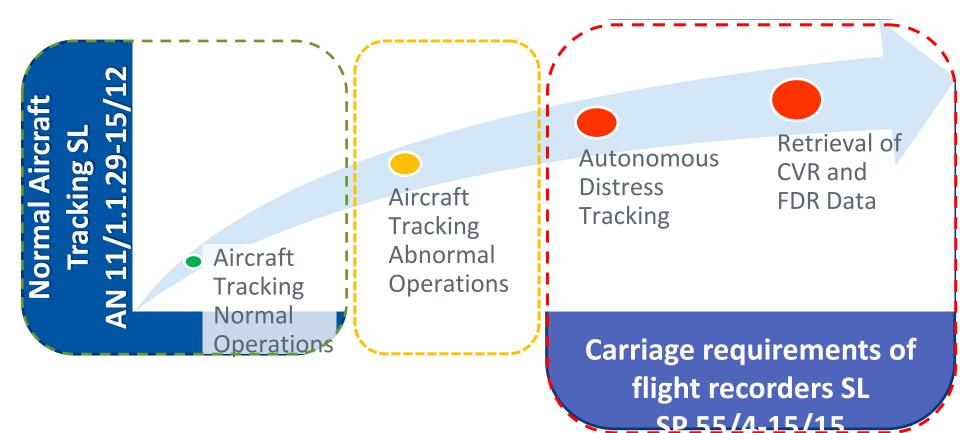
Where are we

Where are we going

How are we planning to get there



Implementing GADSS





Normal Tracking SARPs



Performance-based Standards and recommended practices for normal flight tracking

- No change to ATC procedures
- Not technology-specific
- Establish operator responsibility to track
- Recommendation to track where ATC gets position information at more than every 15 min
 - 27 000 Kg and more than 19 Seats
- Standard to track in oceanic areas where ATC gets position information at more than every 15 min
 - 45 500 Kg and more than 19 Seats
- Data retention for last aircraft location purposes

Timelines

January 2015

✓ Preliminary review by ICAO
 ANC

March 2015

✓ State Letter

October 2015

✓ Final review by ICAO ANC

November 2015

✓ Adopt

March 2017

✓ Effective

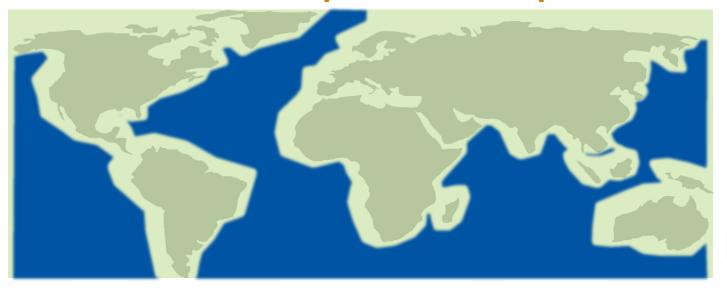
November 2018

Applicable





Graphical Representation



Requirement to track

Recommendation to track at 15 minute intervals

Requirement to track at 15 minute intervals





Normal Tracking Complementary Work

- NATII identified the need for additional provisions
 - Complementary risk-based SARP
 - SL to be issued soon
 - Applicability 2018
 - Guidance material being developed
 - Expected publication (July 2017)
 - Worldwide directories
 - International operators (expansion of Doc 8585 data set)
 - ANSPs (expansion of Doc 7910 data set)
 - ANSP 4D/15 Service coverage







Distress Tracking SARPs

Performance-based Standards and recommended practices for distress flight tracking <u>Timelines</u>

- Not technology-specific
- Location of an accident site within 6 NM
- Active
 - On flight behaviors that can lead to an accident
 - Manually from the air
- Power and position information autonomous from other a/c systems
- Applies to new Aeroplanes from 2021
- Incentive for early adoption as an alternative to second ELT

January 2015

✓ Preliminary review by ICAO ANC

May 2015

✓ State Letter

October 2015

✓ Final review by ICAO ANC

March 2016

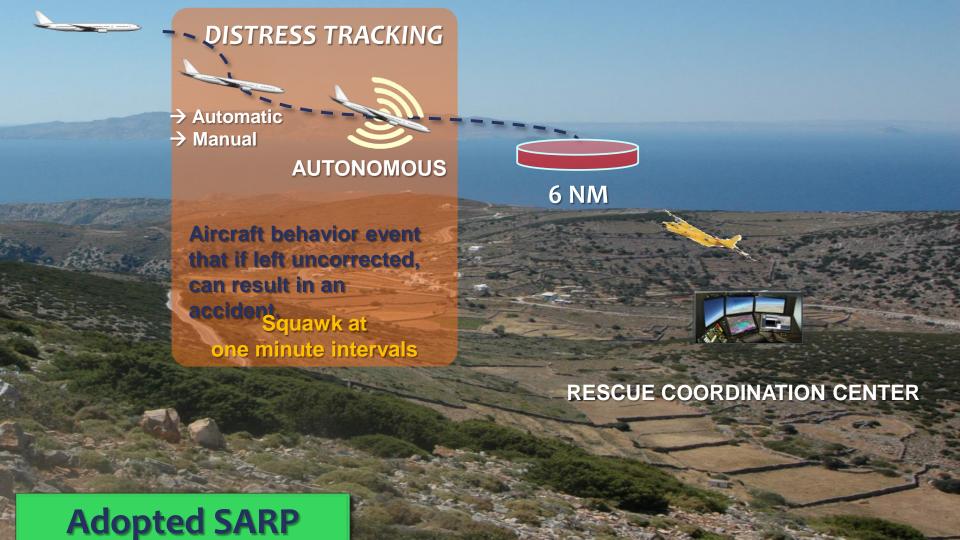
✓ Adopted

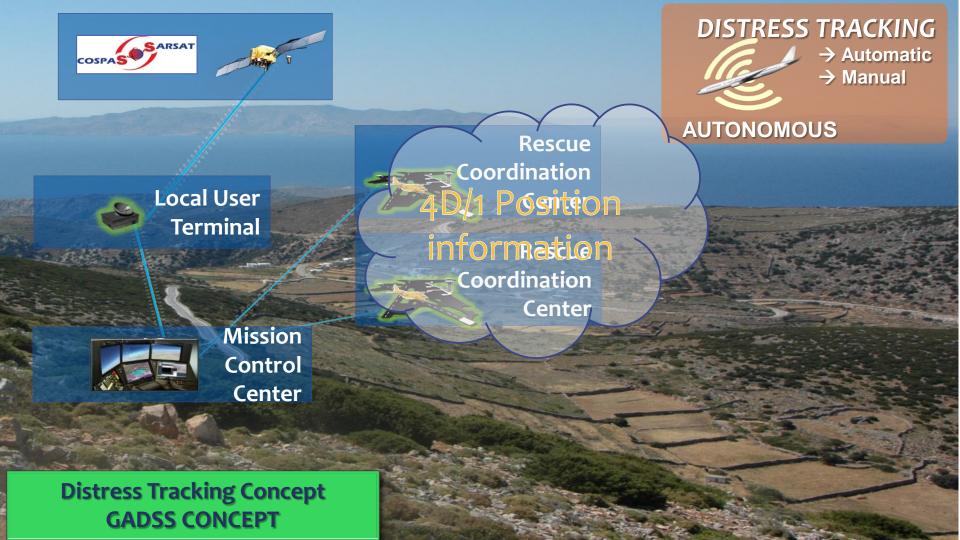
July 2016

✓ Fffective

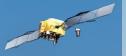
January 2021

Applicable









Mission

Control

Center

Other Satellites



DISTRESS TRACKING



AUTONOMOUS

Rescue
Coordination
4D/1 Position
information
Coordination

Center



Ground Station



Control Center

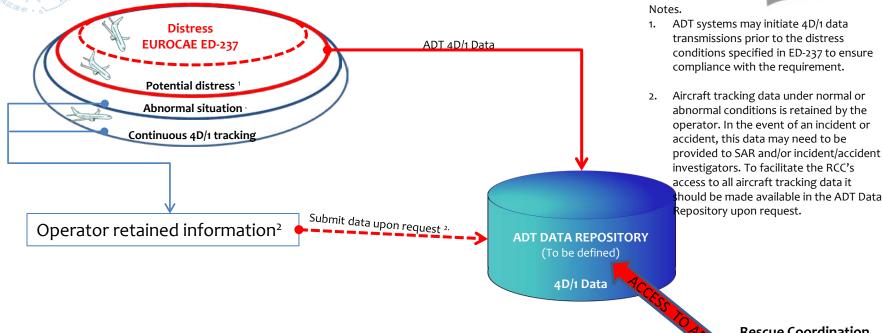
AT





ADT DATA RETENTION LOCATION AND ACCESS









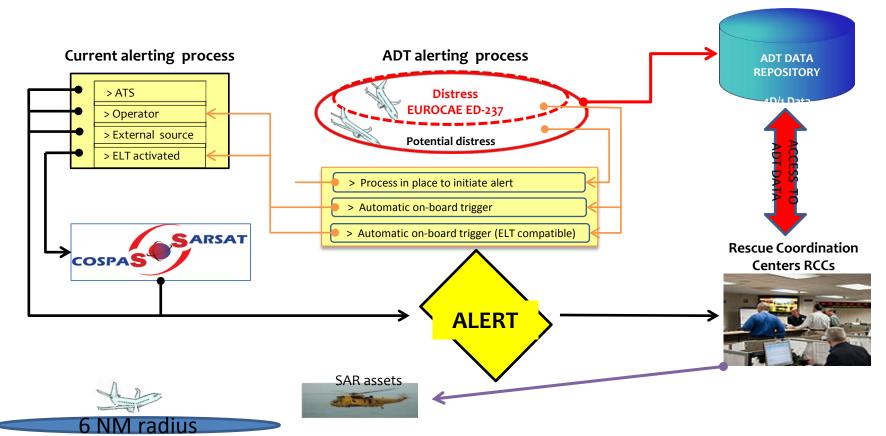
Rescue Coordination
Centers RCCs





ADT DISTRESS ALERTING







What to Expect

- GADSS Advisory Group
 - Updating the CONOPS
 - SL comments and suggestions
 - Latest developments in technology
 - Identification additional provisions
 - Other Annexes
 - PANS
 - Next version of GADSS (Ver 6.0)
 - Expected to be published end of 2016



NO COUNTRY LEFT BEHIND





