# EUROCONTROL LADR Developments

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# GADDS



Concept of Operations

Global
Aeronautical
Distress &
Safety
System
(GADSS)

Version 6.0
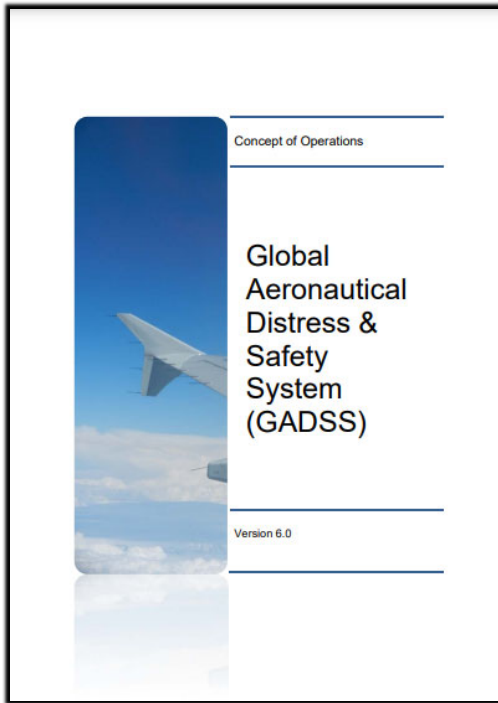
- Developed in response to limitations in the current air navigation system highlighted by Air France flight AF447 and Malaysian Airlines flight MH370

- Three Main Functional Blocks:
  - Aircraft tracking
  - Autonomous distress tracking
  - Post flight localization and recovery



Aircraft Tracking

Autonomous
Distress Tracking

Post Flight Localization
and Recovery
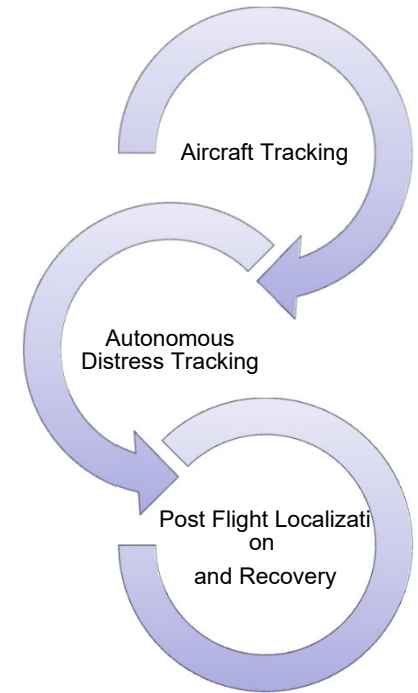
*Minimize the size of the potential area in which an accident has occurred, reducing the search time and increasing the chances of successfully locating and rescuing survivors*

# LADR - Location of an Aircraft in Distress Repository

Aims to establish a simple and efficient distribution of information on an aircraft in distress
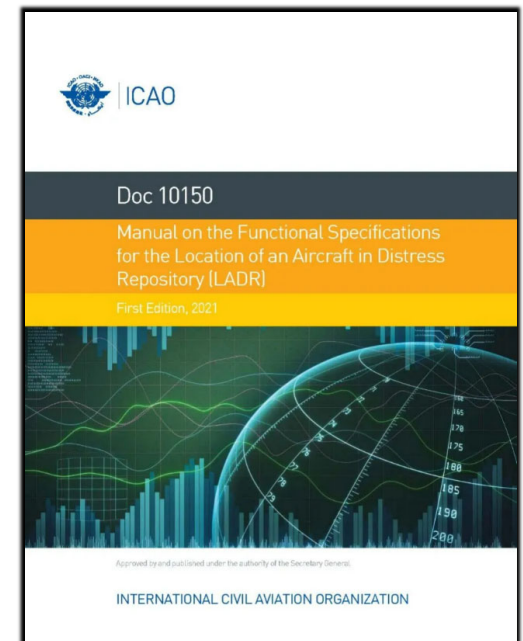
RELIES ON THE ADT STANDARDS

RECEIVES AND STORES POSITION INFORMATION

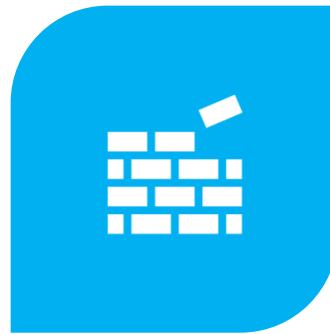ACTS AS A SINGLE POINT FOR INFORMATION

AVAILABLE FOR ALL INVOLVED STAKEHOLDERS

ICAO

Doc 10150

Manual on the Functional Specifications for the Location of an Aircraft in Distress Repository (LADR)

First Edition, 2021

Approved by and published under the authority of the Secretary General.

INTERNATIONAL CIVIL AVIATION ORGANIZATION

# EUROCONTROL LADR Development Principles
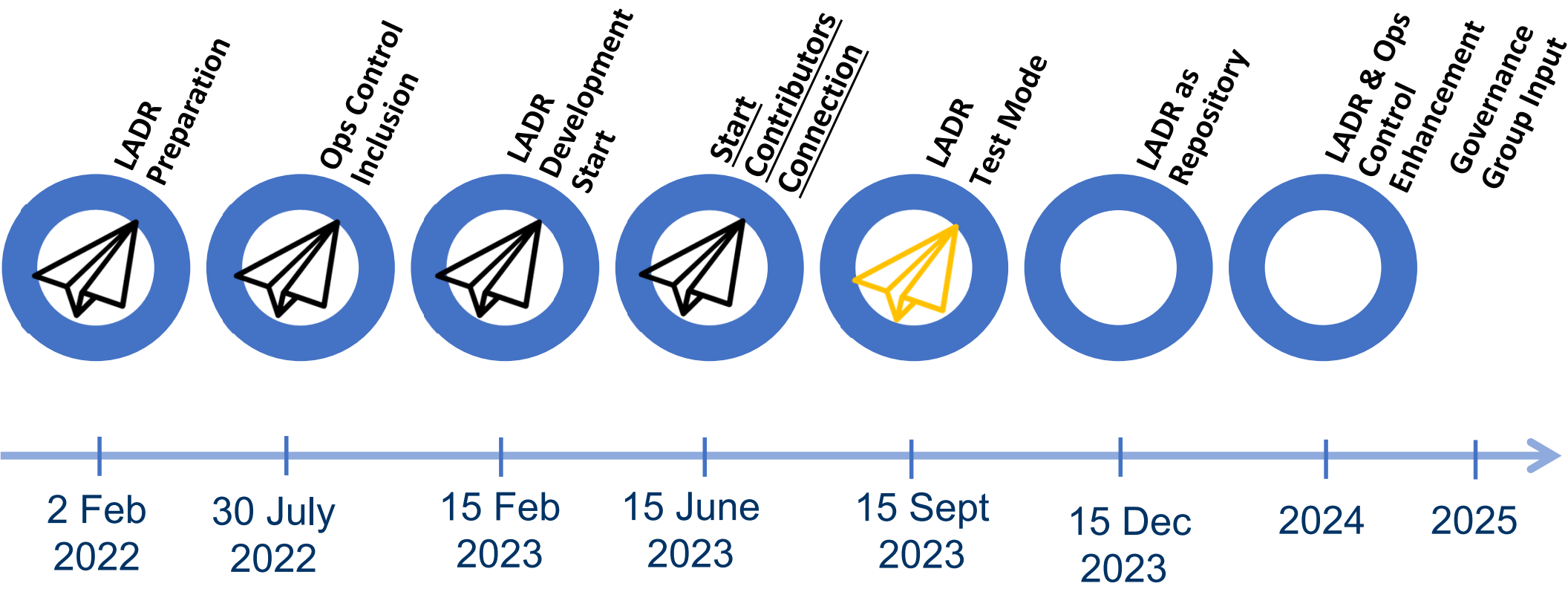
PART OF GADSS CONCEPT

FOCUS ON 10150 AND OPS
CONTROL SPECIFICATIONS

LADR AS REPOSITORY,
AGILE APPROACH
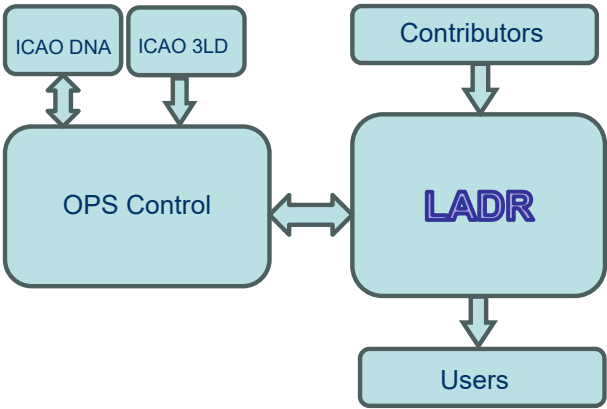
# EUROCONTROL LADR Development Planning



| LADR Preparation | Ops Control Inclusion | LADR Development Start | Start Contributors Connection | LADR Test Mode | LADR as Repository | LADR & Ops Control Enhancement Governance Group Input |

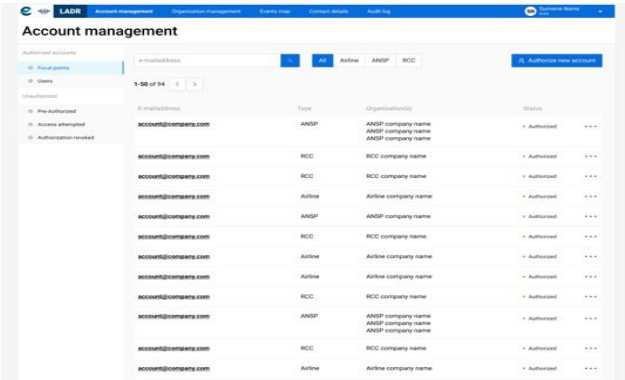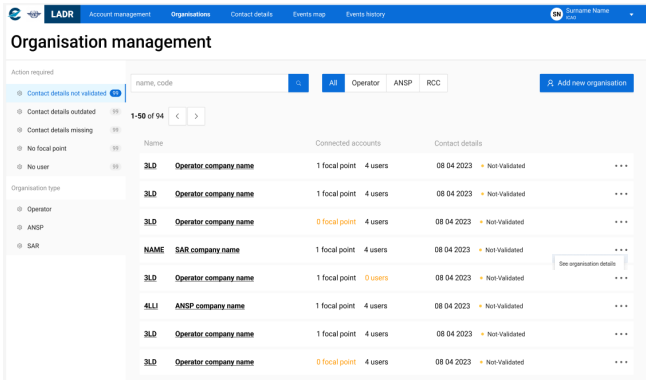| 2 Feb 2022 | 30 July 2022 | 15 Feb 2023 | 15 June 2023 | 15 Sept 2023 | 15 Dec 2023 | 2024 | 2025 |

# Current Status

- LADR Test Mode – released 15th of September
- Several Contributors testing connection
- Development of the Ops Control, LADR functionality is ongoing
- Development of policies and processes
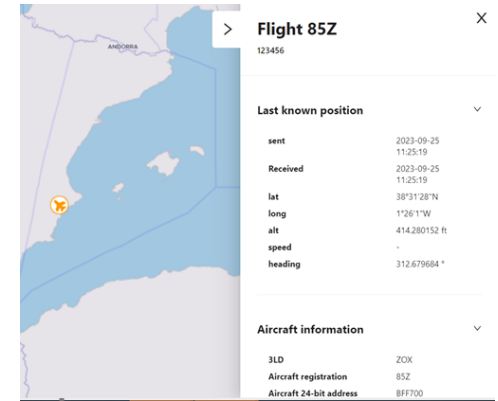
**Examples, of Ops Control & LADR Pages Under Development**

# LADR Test Application



Last Known Position

Event Details

Event correlation

Authentication Details

Map View

List of active events

Extended distress event details

Six projections available

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