



| ICAO

# INTERNATIONAL CIVIL AVIATION ORGANIZATION

A UN SPECIALIZED AGENCY



# “Humanitarian Assistance and Disaster Risk Reduction in Aviation (HADRA)”

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Ms. Chrystelle Damar, ICAO

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01

Background

02

What is ICAO doing?

03

Updates

01  
Background





- Article 44 of the Convention
- Sendai Declaration and the Sendai Framework for Disaster Risk Reduction 2015–2030
- ICAO's 41<sup>st</sup> Assembly adopted resolution A41-13: ***Strategy on Disaster Risk Reduction and Response Mechanisms in Aviation***

02

## What is ICAO doing?

HADRA





# What is HADRA?

## Humanitarian Assistance and Disaster Response in Aviation:

- Chaired by ICAO
- International aviation and humanitarian community (ACI, CANSO, IATA, WFP/GLC, UN OCHA, UNDP, DP-DHL)

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## A community of interest

Safe, efficient and well coordinated airborne disaster response operations

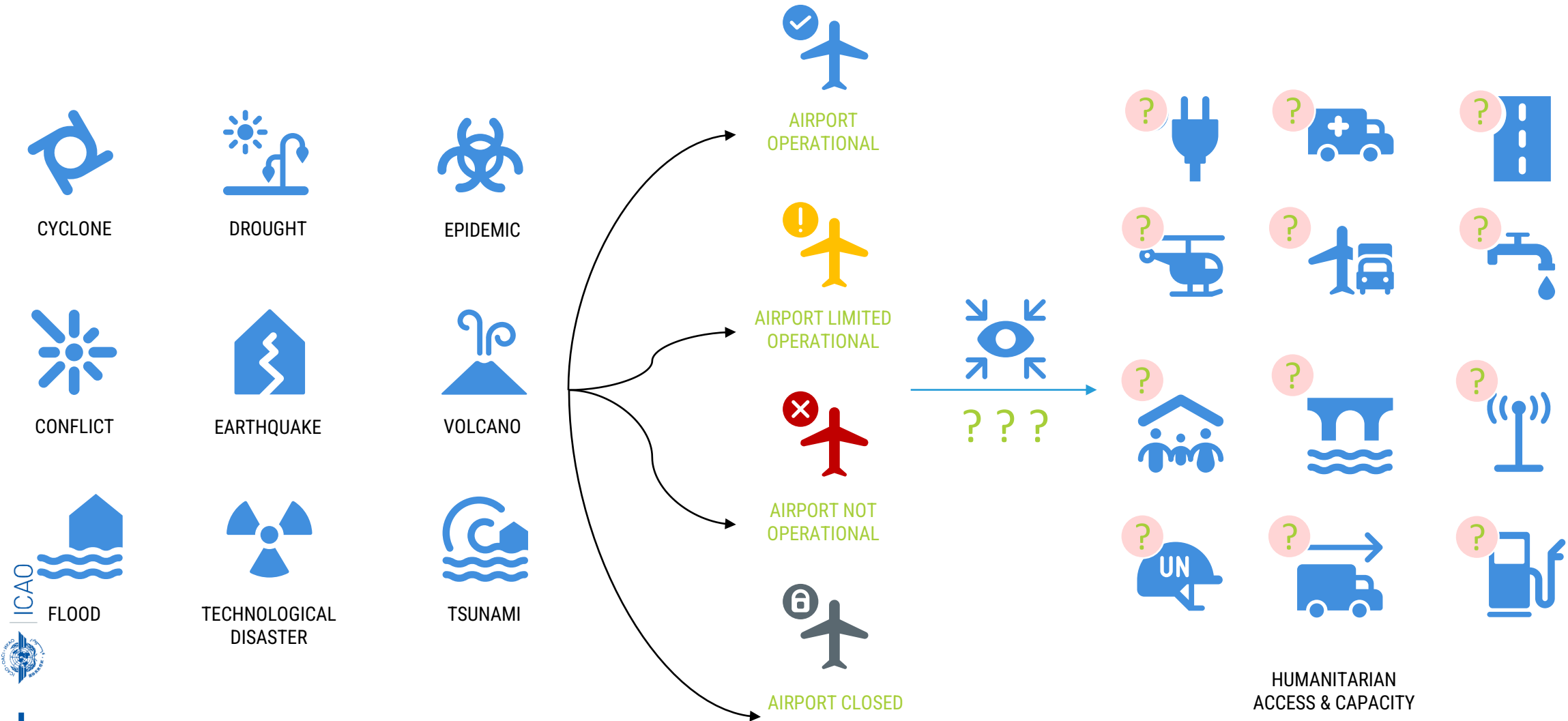
UN Sustainable Development Goals

Sendai Framework for Disaster Risk Reduction

Samoa Pathway

Context: UN General Assembly Resolution 46/182

# Problem statement



FLOOD

TECHNOLOGICAL DISASTER

TSUNAMI

AIRPORT CLOSED

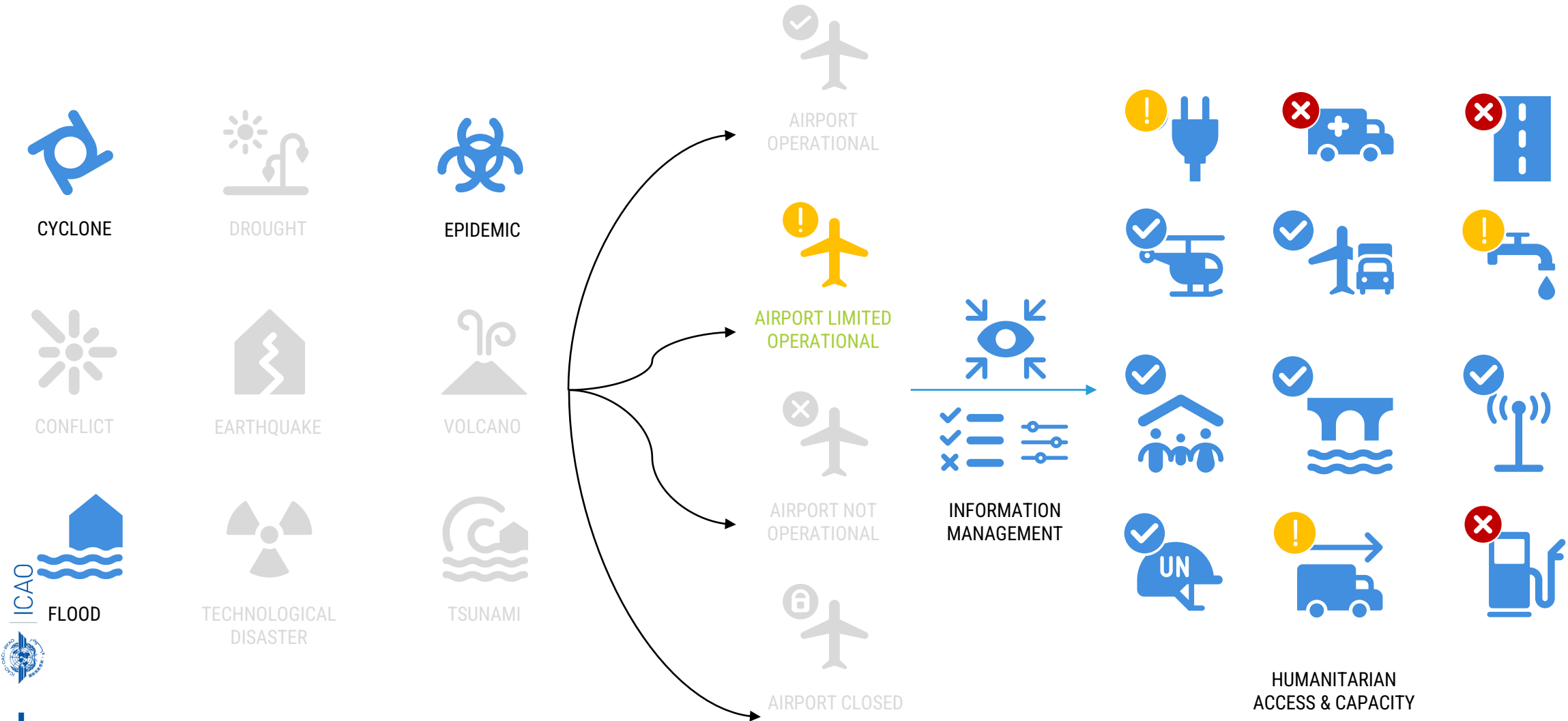
AIRPORT NOT OPERATIONAL

AIRPORT LIMITED OPERATIONAL

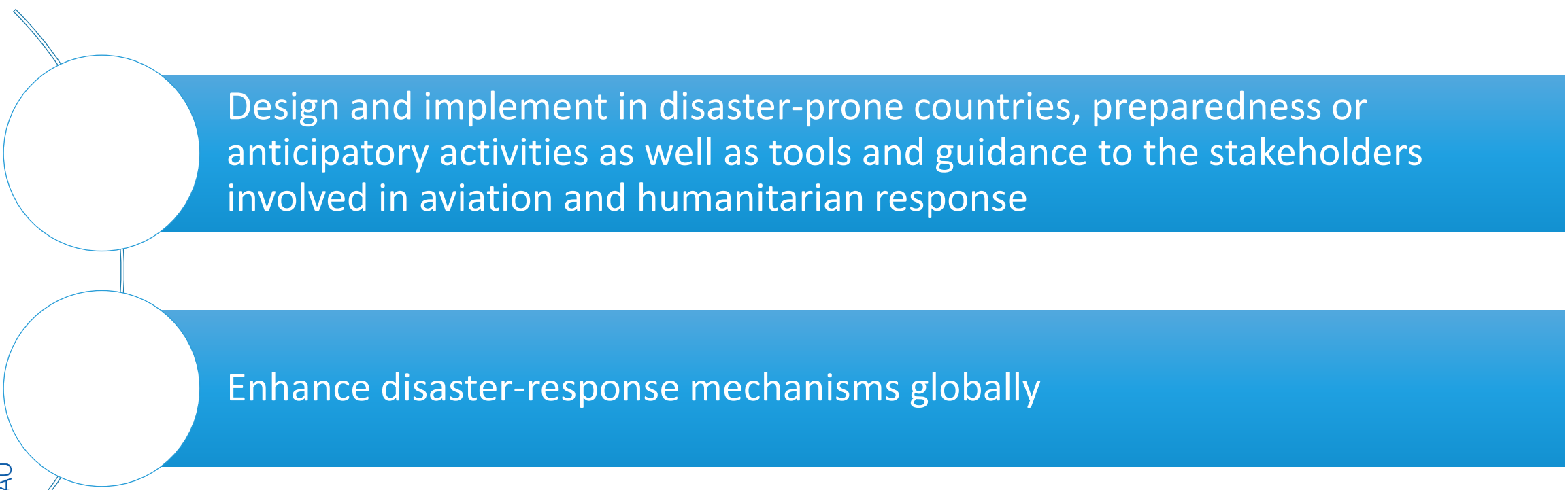
AIRPORT OPERATIONAL

HUMANITARIAN ACCESS & CAPACITY

# Desired outcome



## OBJECTIVES



Design and implement in disaster-prone countries, preparedness or anticipatory activities as well as tools and guidance to the stakeholders involved in aviation and humanitarian response

Enhance disaster-response mechanisms globally

## DELIVERABLES

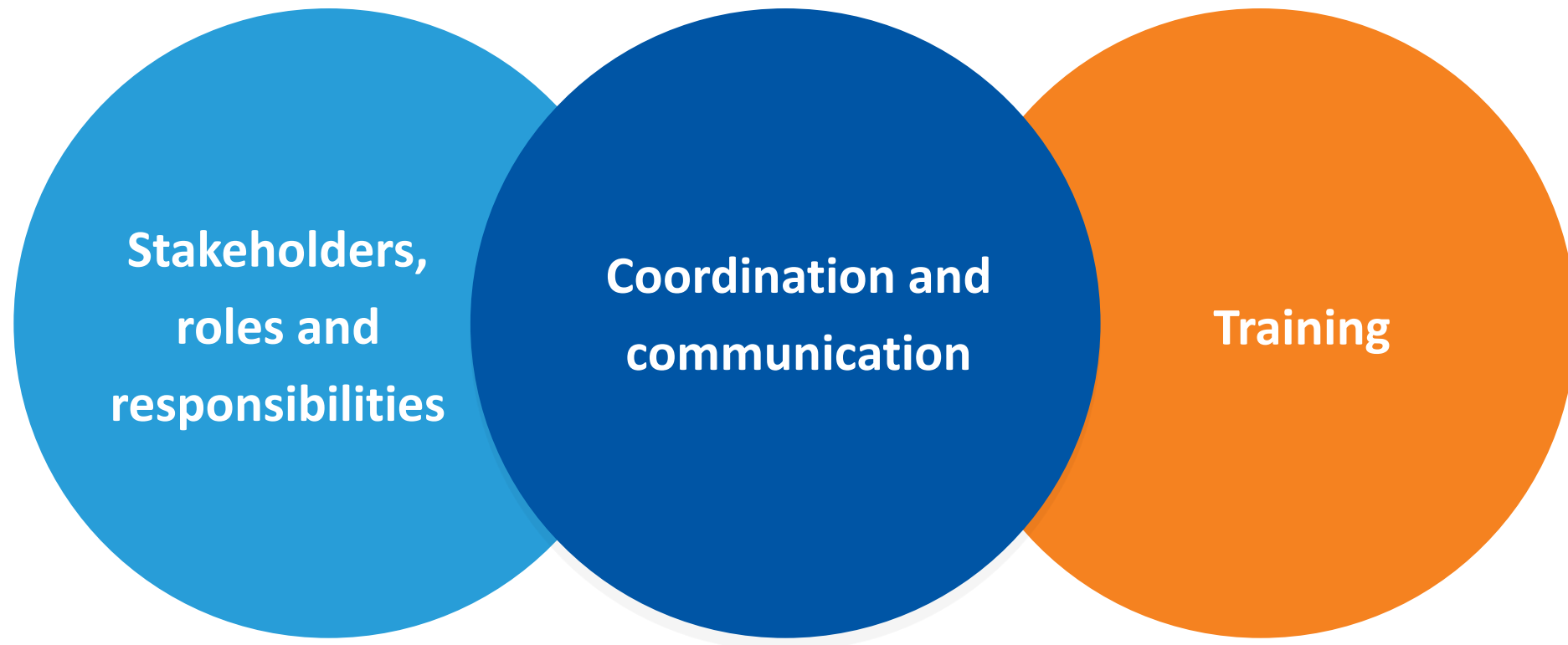


Guidance Document launched on 12 May 2022

Communications tool based on block chain technology launched in Trinidad & Tobago in July 2022

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## Guidance Document: a resource for awareness-raising



# Reference material

(We do not reinvent the wheel)

## ICAO Annexes

- Annex 1 (personnel licensing)
- Annex 9 (Facilitation)
- Annex 11 (Air Traffic Services)
- Annex 14 (Aerodromes, Heliports)
- Annex 17 (Security)

## ICAO Documents

- Airport Services Manual, Doc 9137, Part 7
- Doc 9981, PANS Aerodrome

## Humanitarian Coordination Methodology

- Strategic level coordination
- Tactical coordination (Reception Departure Centre)

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## Practical information

What to expect

### Which teams?

- USAR, UNDAC, EMTs...
- Composition, specific material

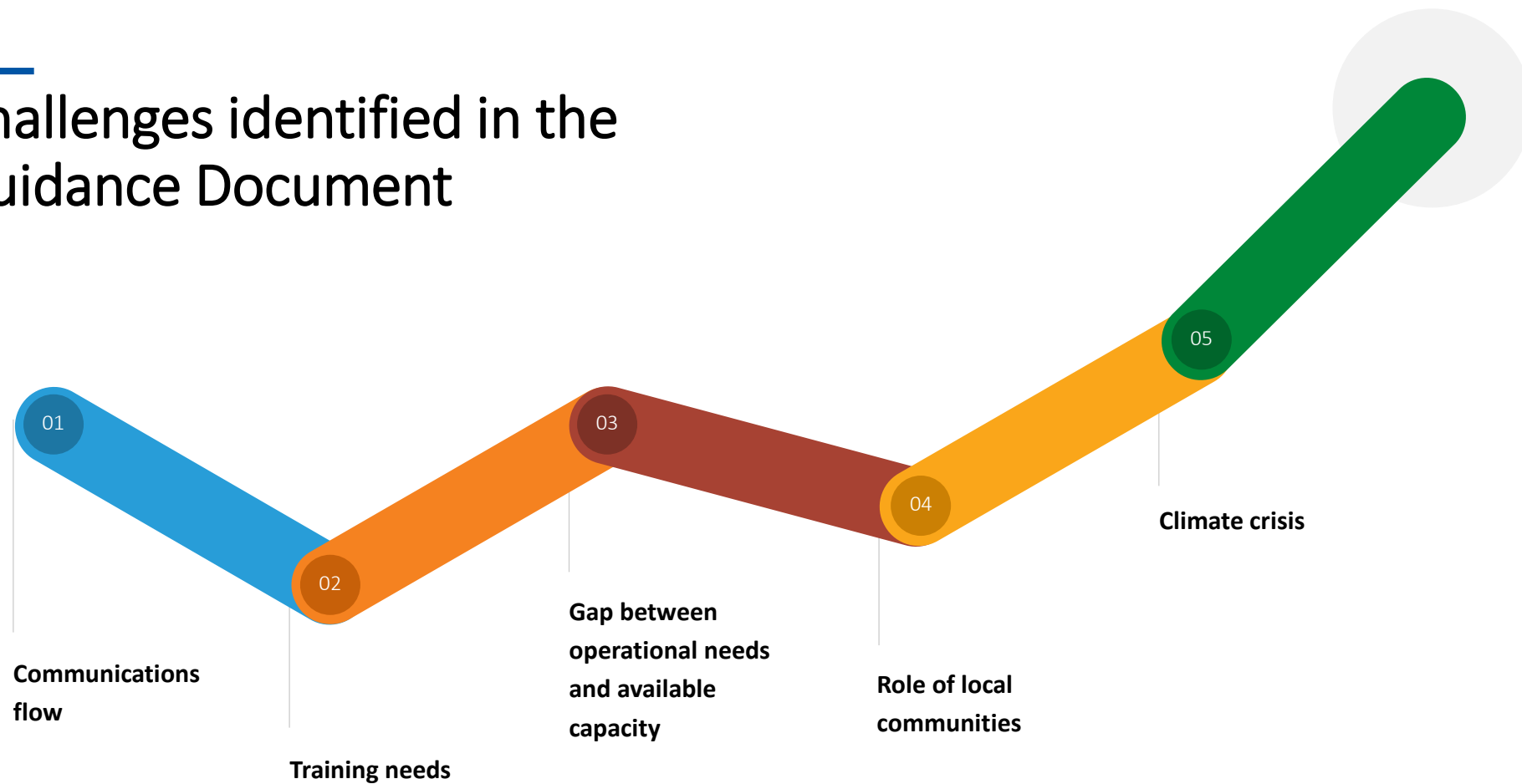
### What impacts?

- On aviation operations
- Non-aviation services and facilities

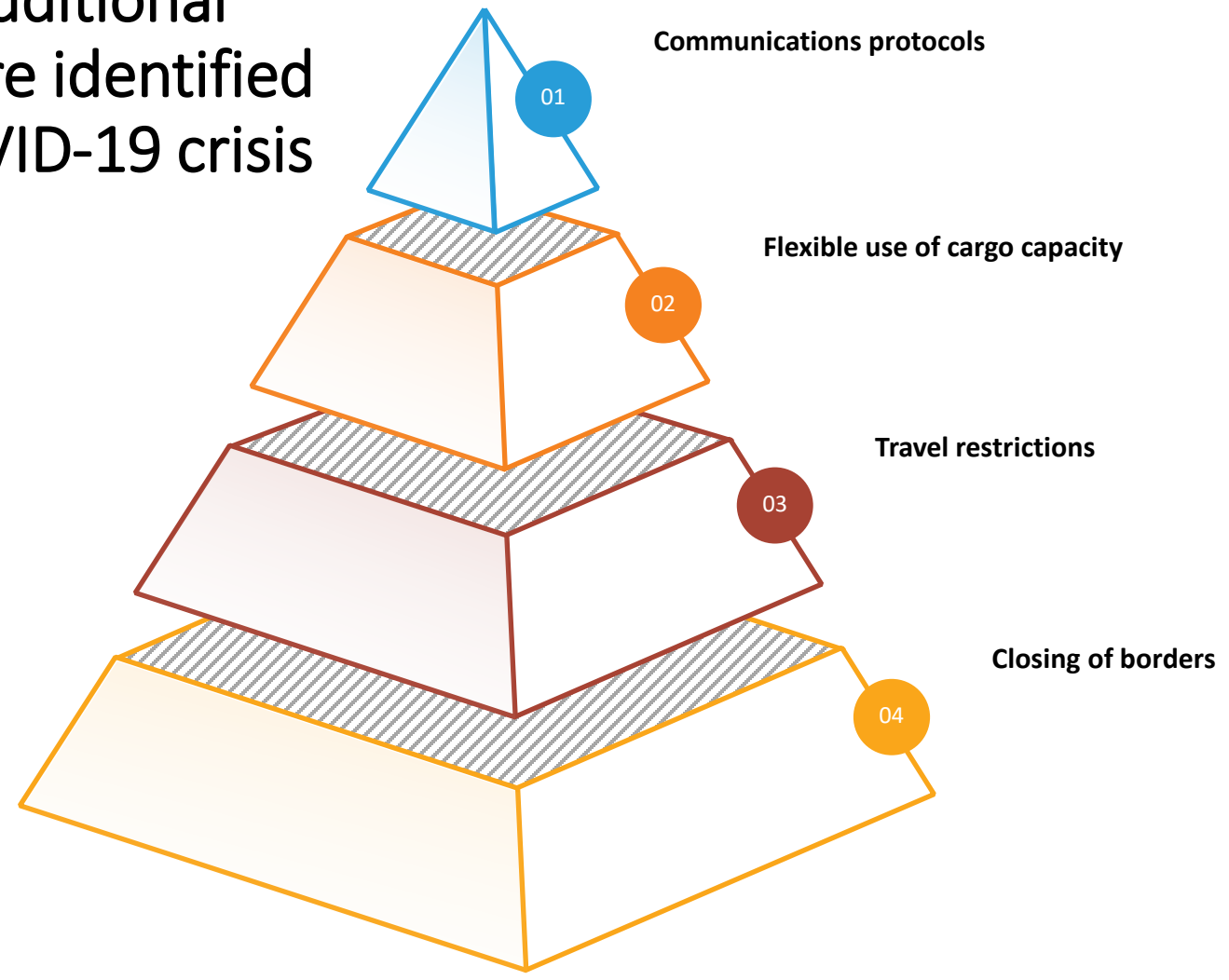
### What needs?

- Engagement between the airport and the RDC staff
- Consistent communications

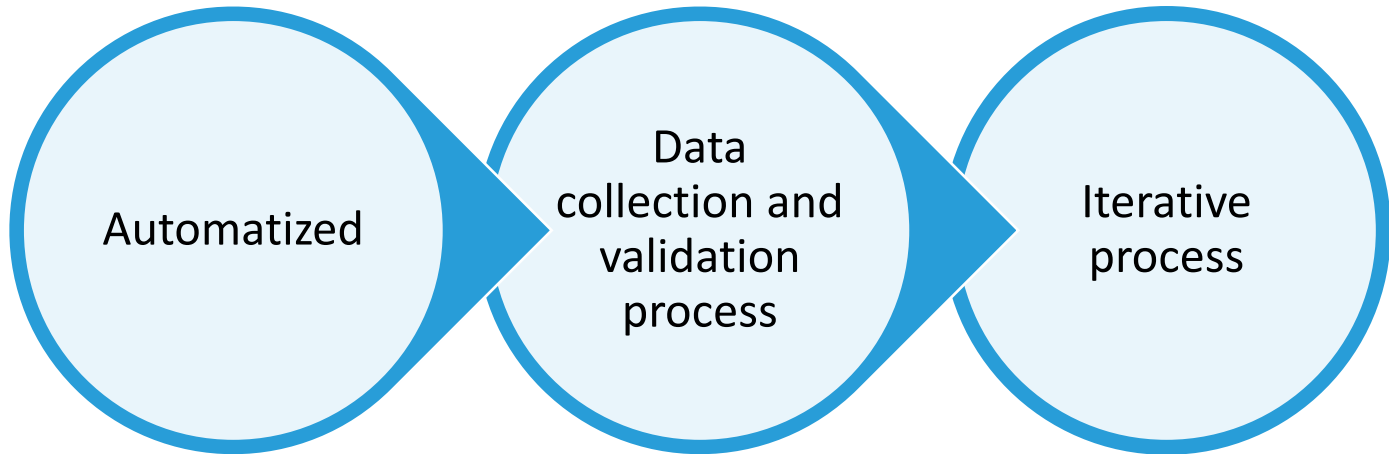
# Challenges identified in the Guidance Document



# Areas where additional challenges were identified during the COVID-19 crisis



# Airport Status Information Tool (ASIT)



Asset List > Suvarnabhumi International Airport, Thailand

**Civil Airport:** VSTB | BKK

Blockchain ID: APT-2308102-68

CAA: Civil Aviation Authority of Thailand

Operator: Airports of Thailand Co.

ANSP: AeroTHAI Co. Ltd.

Location: N 13° 41' 9" E 100° 44' 56"

Disaster Threat Status: Active

**History** [View Historical Log](#)

- Runway Status**  
Operational Status - Operational  
Sourced From ICAO AI  
Fri Nov 22, 2023 08:00:00 GMT  
Confirmed By Civil Aviation Authority of Thailand  
Fri Nov 22, 2023 08:00:00 GMT
- Electricity Status**  
Operational Status - Limited  
Sourced From ICAO AI  
Fri Nov 22, 2023 08:00:00 GMT

**Status**

- Operational Status
- Electricity Status
- Aircraft Fuel Status
- Generator Fuel Status
- Motor Vehicle Status
- ATC Status
- Security Status
- Special Procedure Status
- Runway Status
- Ground Handling Status

**Documents**

**ATC Status** Just now by Suthachai.Thanachontorn (CAAT) [Add New Status Block](#)

Operational Status: Operational

Status Remarks: Mobile Tower has been installed and restored services to allow normal flight operations.

Live Data Block Chain			
Source	Date and Time	Operational Status	Confirmed By
CAAT	Just now	Operational	Suthachai.Thanachontorn
CAAT	3 hours ago	Limited	Suthachai.Thanachontorn
APAC RIO	3 hours ago	Limited	Dimitri Yasachov
ICAO AI	30 minutes ago	Limited	-
ICAO AI	45 minutes ago	Limited	-
ICAO AI	1 hour ago	Non-Operational	-
ICAO AI	1 hour 15 minute ago	Non-Operational	-
ICAO AI	1 hour 30 minute ago	Non-Operational	-
ICAO AI	1 hour 45 minute ago	Non-Operational	-
ICAO AI	2 hours ago	Non-Operational	-

Last Updated on 28/12/2023 3:00pm

03  
Relevant  
developments



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## Focus on A41-13 and recommendations of the Office of Internal Oversight

### Recommendation 1

- Comprehensive crisis management framework
- Multiple crisis
- Varying durations
- Different geographic scope

### Recommendation 2

- High-level mechanisms to strengthen the relationship among aviation, health and other authorities critical for emergency response

### Recommendation 6

- Perform a phase-out strategy to ensure the continuity of the objectives and achievements of the COVID-19 response

# GUIDANCE MATERIAL ON AIRPORT PREPAREDNESS FOR EFFECTIVE HUMANITARIAN ASSISTANCE AND DISASTER RESPONSE



## More information

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Website:

<https://www.icao.int/HADRA/Pages/default.aspx>

Guidance:

<https://www.icao.int/HADRA/Documents/HADRA-Guidance-FINAL-May2022.pdf>

Article on HADRA:

<https://unitingaviation.com/news/capacity-efficiency/a-more-coordinated-use-of-aviation-in-disaster-response/>



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Thank You!