Interactive Cargo

Project Overview

Outline

- Vision
- Summary of accomplishments
- Revised scope & objectives of the project
- Timelines
- Pilot projects
- Communication & engagement

Our vision

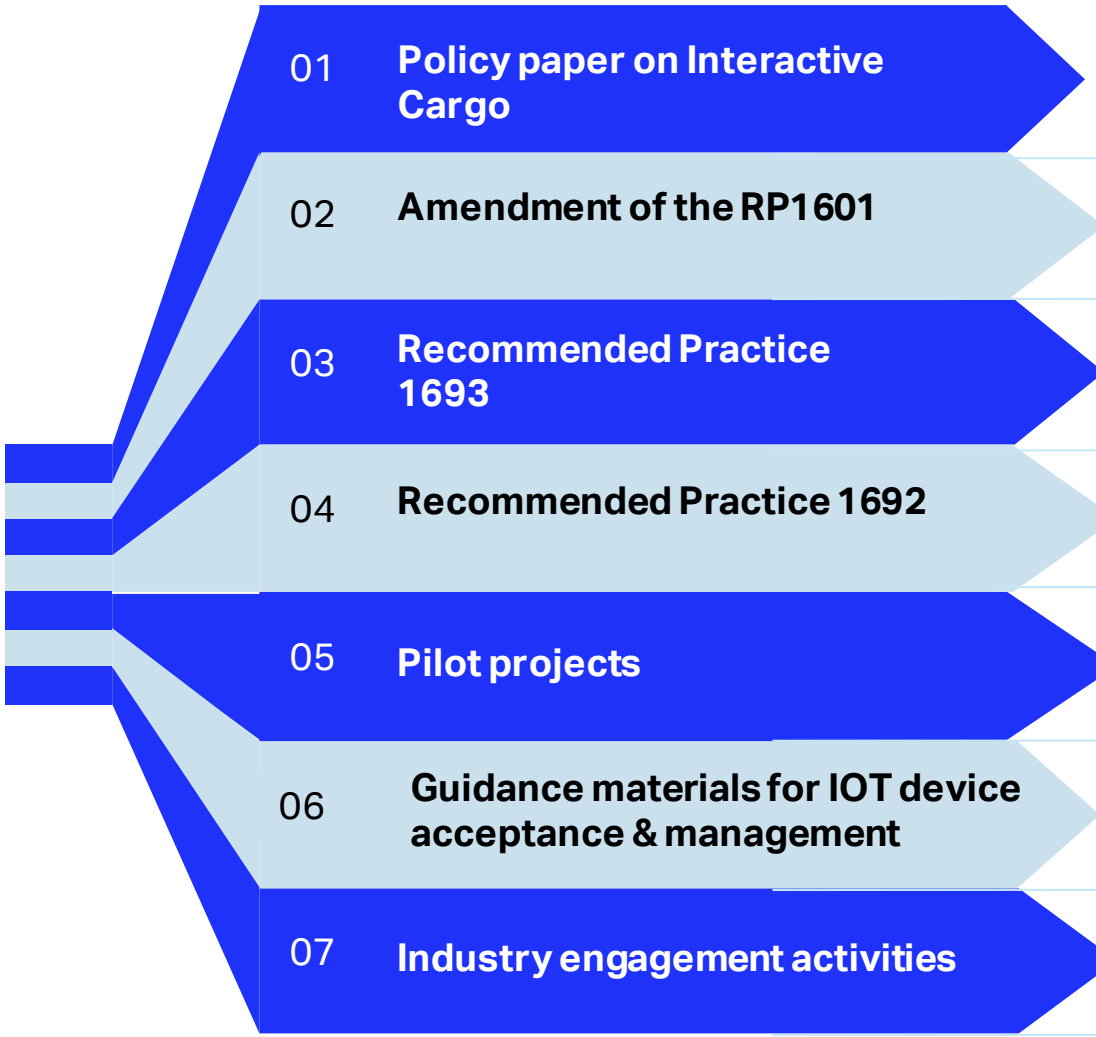
To equip airlines and the air cargo supply chain with responsive air cargo services based on intelligent systems able to:

- **self-monitor**;
- send real-time **alerts**;
- **respond** to deviation to meet customers' expectations;
- and **report** on the cargo journey to allow data-driven improvements.

Making cargo talk

IATA

Accomplishments



01	**Policy paper on Interactive Cargo**	The need for industry standard for the approval and use of connected device has been endorsed by the Cargo Service Conference (CSC) in March 2021
02	**Amendment of the RP1601**	Conditions of Carriage for Cargo has been adopted by the CSC in March 2021. Please visit the IATA e-library
03	**Recommended Practice 1693**	APPROVAL OF THE USE OF PORTABLE ELECTRONIC DEVICES ONBOARD AIRCRAFT FOR AIR CARGO has been adopted by the CSC in March 2021. Please visit the IATA e-library
04	**Recommended Practice 1692**	IOT DEVICE DATA SHARING IN AIR CARGO (RP1692) has been adopted by the CSC in March 2021. The data elements have been integrated in the ONE Record Data Model and adopted by the Cargo & Technology Board (COTB) for publication. Please visit the IATA e-library
05	**Pilot projects**	Involving more than 20 companies/organization. First evaluation and results have been documented and will continue throughout the year 2021 and further.
06	**Guidance materials for IOT device acceptance & management**	have been adopted by the IATA Cargo Handling Consultative Council (ICHC) and submitted the publication team for integration the next release of the IATA Cargo Handling Manual (ICHM). Please visit the IATA e-library
07	**Industry engagement activities**	Digital Cargo webinars, the IATA Cargo hackathon and the World Cargo Symposium.

Scope

The scope of the Interactive Cargo project includes the planning, development, testing, deployment, and promotion of the standards and guidelines for Interactivity and Connected Devices. The objectives of the project are as follows:

PILOT PROJECTS

Finalize and analyze pilots to operationally validate IATA standards

RPs

Update/improve existing Recommended practices if deemed necessary

SOPs

Identify the need for Standard Operating Procedures and publish if deemed necessary

CENTRAL DATABASE

Support development of Centralized database of airline-approved PED devices

PRE-VALIDATION

Support the development of a device pre-validation/process for the approval of the use of PED onboard aircraft

IDEATION

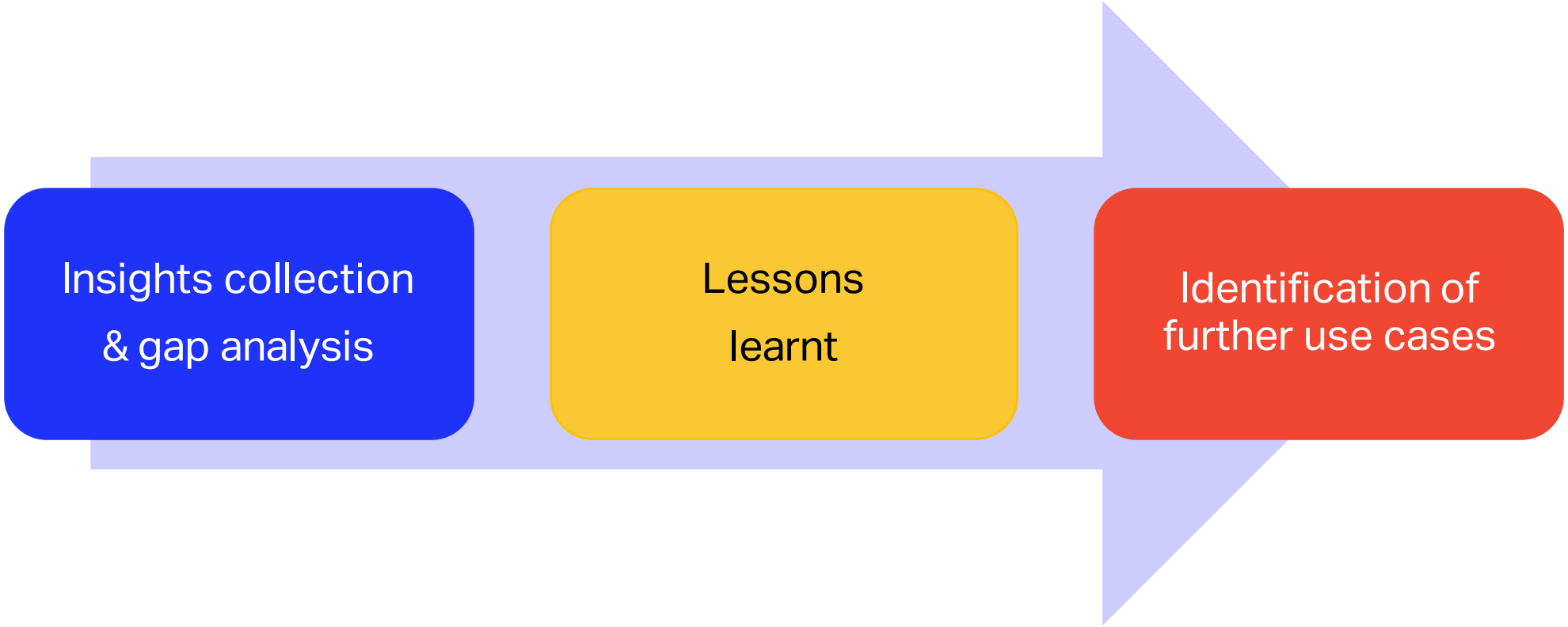
Facilitate discussions to identify additional business needs connected to interactivity

Objectives and key deliverables

The goal is to provide stakeholders in the air cargo supply chain with a set of standards and guidance documents to enable and ease the use of IoT devices for **interaction with cargo.**

Pilots for Operational Validation

Analysis of running pilots, collecting insights, defining new use cases



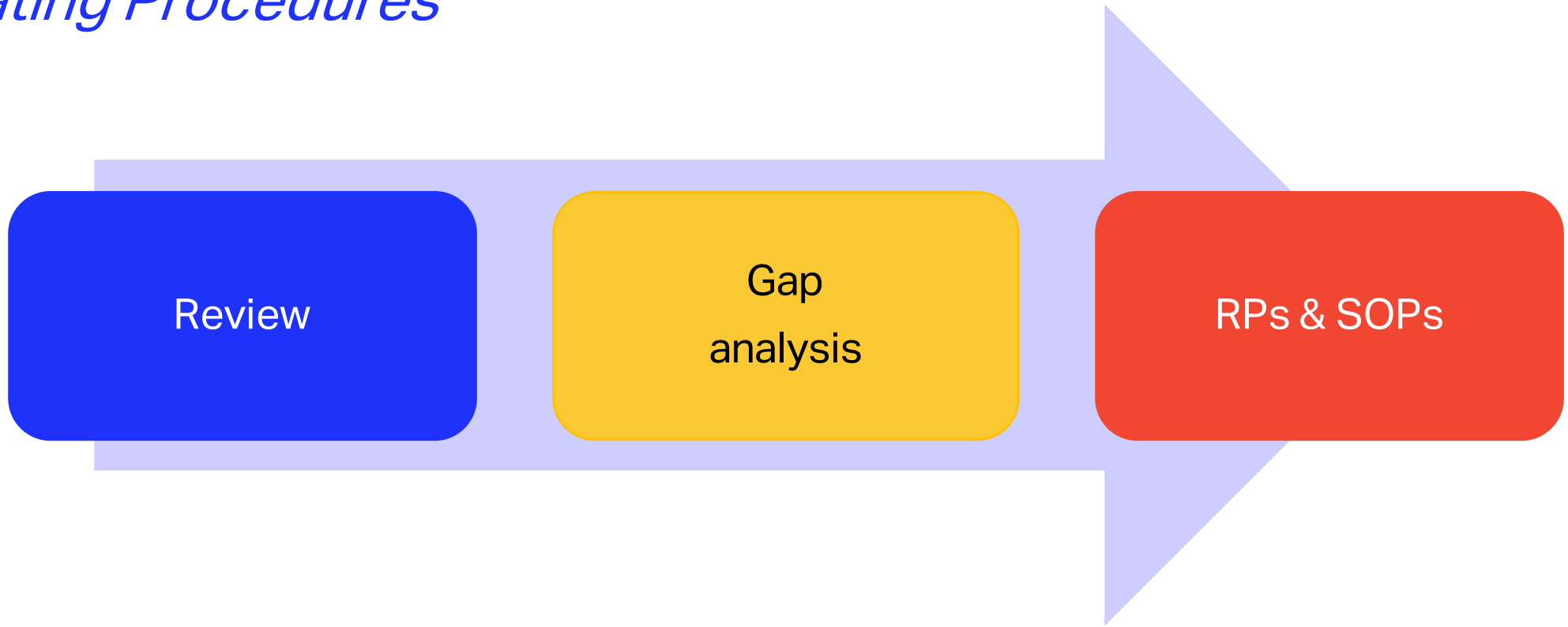
- Stakeholder feedback
- Scope & objective verification

- Report on lessons learnt
- Results delivered

- Use case definition
- Objectives
- Stakeholders

Standard setting activities

Review of existing Recommended Practices and defining Standard Operating Procedures



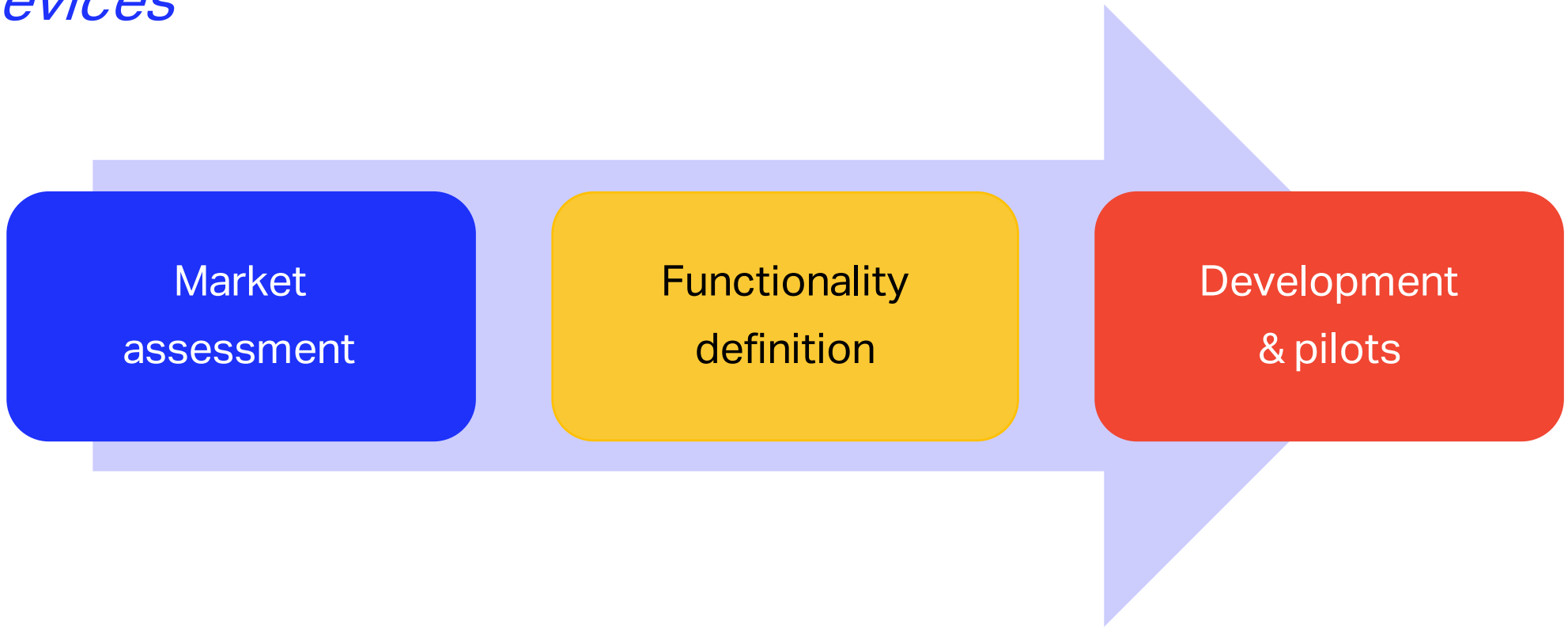
- Review of existing RPs
- Reference to pilot insights

- Identify any gaps in existing RPs
- Identify needs for SOPs

- Improve existing recommended practices
- Define Standard Operating Procedures

Central database

Support development of Centralized database of airline-approved PED devices



- Qualitative & quantitative feedback
- Confirming relevance of service

- Identification of business needs
- Definition of scope & functionalities

- Implementation
- Piloting

Device pre-validation

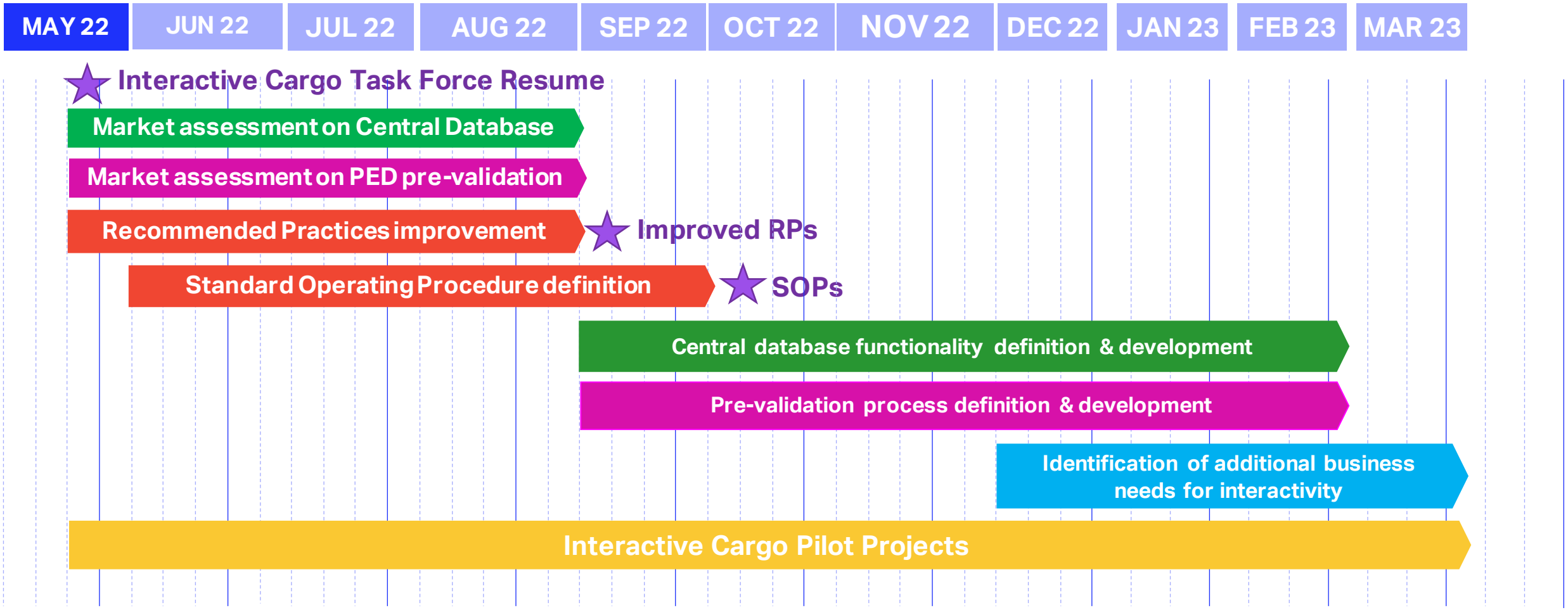
Support the development of a device pre-validation/process for the approval of the use of PED onboard aircraft

- Qualitative & quantitative feedback
- Confirming relevance of service

- Identification of business needs
- Definition of process

- Implementation
- Piloting

Project timeline and key milestones



Ongoing Interactive Cargo Pilots for operational validation

Interactivity Characterization Pilots

- Real-time cargo tracking for shipments requiring special handling
- Visibility, tracking and alerts at the piece level
- Smooth border crossing by data sharing and logistics transparency
- Real-time tracking through a web platform compliant with ONE Record
- IoT data collection, distribution and reporting

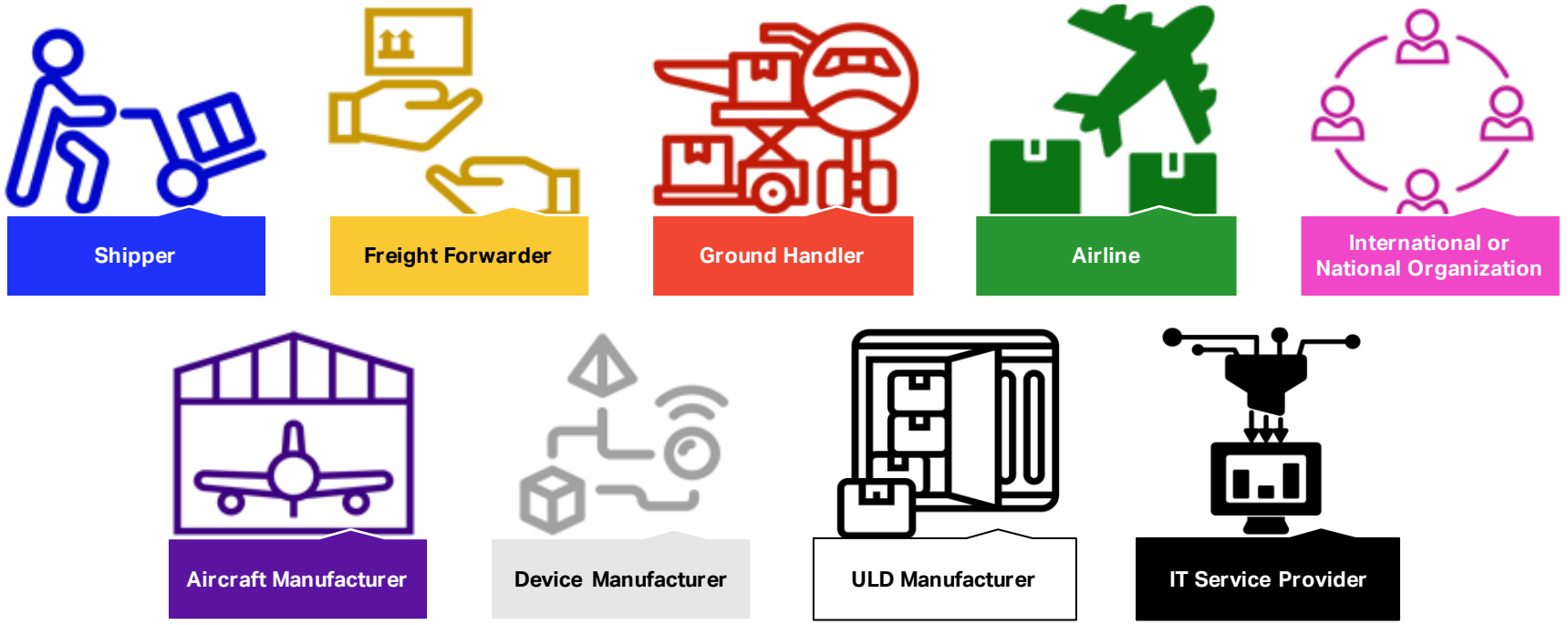
Device Certification Pilots

- Approval of the use of Portable Electronic Device (PED) for air cargo
- IATA pre-assessment of cargo tracking devices

To take part or propose a pilot, contact us at interactivecargo@iata.org

Task Force Participants

The Task Force is composed of more than 50 participants representing the whole supply chain



Communication & Engagement

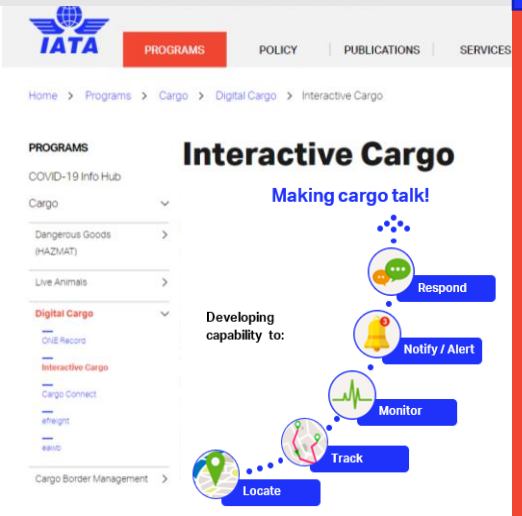
Raising industry awareness and adoption

IATA Website

Digital Cargo Webinars

World Cargo Symposium

Advocacy Campaign



Digital Cargo Conference

London, UK
27-29 Sep 2022

News & Articles

How to get involved?

Contact:

InteractiveCargo@iata.org

Website:

www.iata.org/interactive-cargo