

**EASA DATAPP PROJECT WEBINAR**

# **CURRENT DIGITAL BARRIERS AND CHALLENGES FOR THE IMPLEMENTATION OF EBT/CBTA PROGRAMME**

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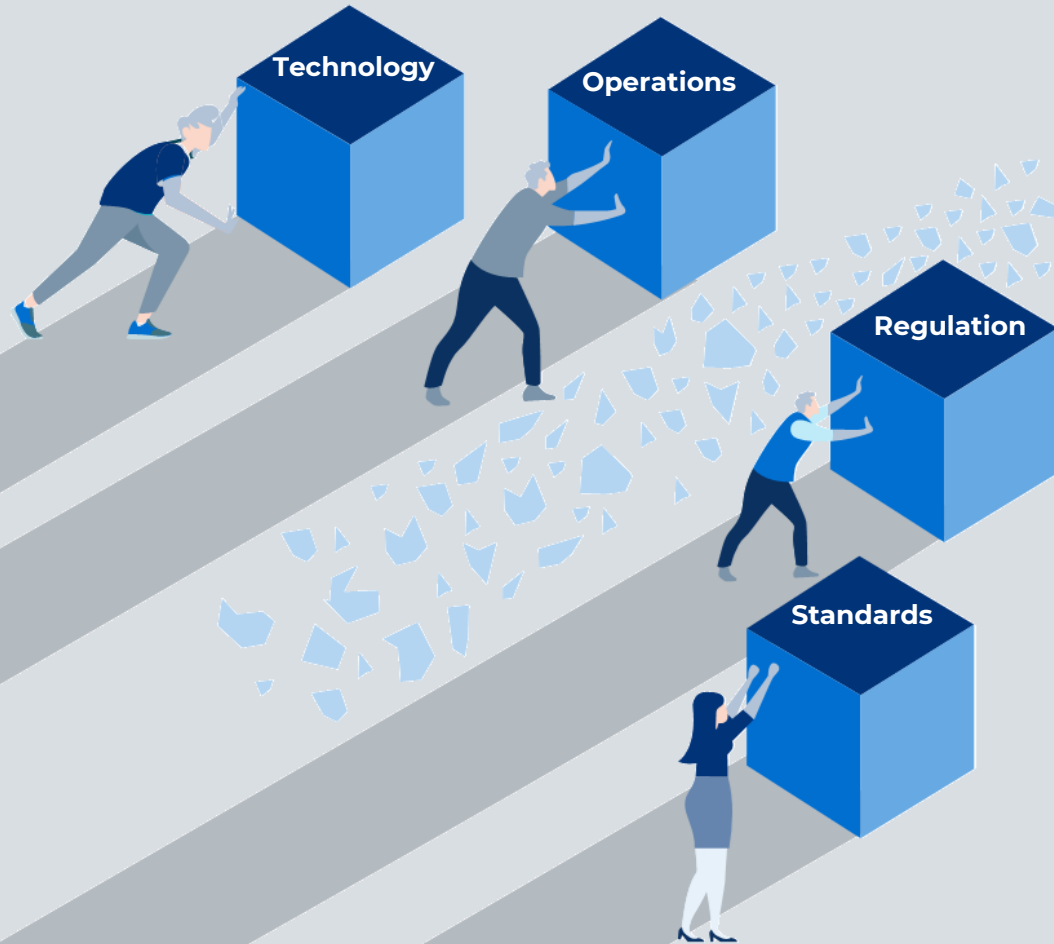
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EBT Expert

**ALG**



**EASA**  
European Union Aviation Safety Agency

# DIGITAL TRANSFORMATION



Can we keep the pace in  
all dimensions?

## THE DATAPP PROJECT

EASA's Research Project

# CASE STUDIES

The DATAPP project focuses its research on three different aviation fields, structured and particularised each on a Case Study

**CS3** Flight training data for EBT and CBTA



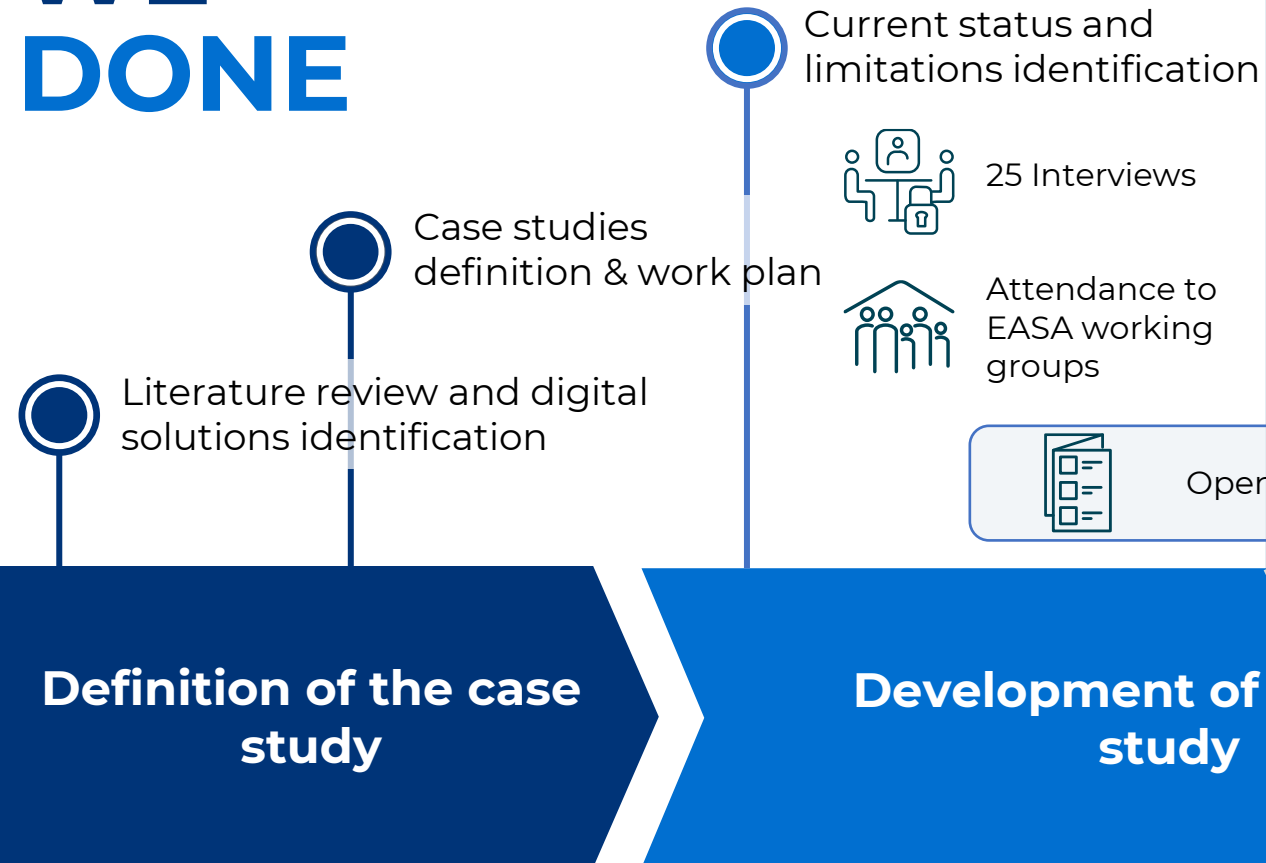
**CS4** Digital fuel management



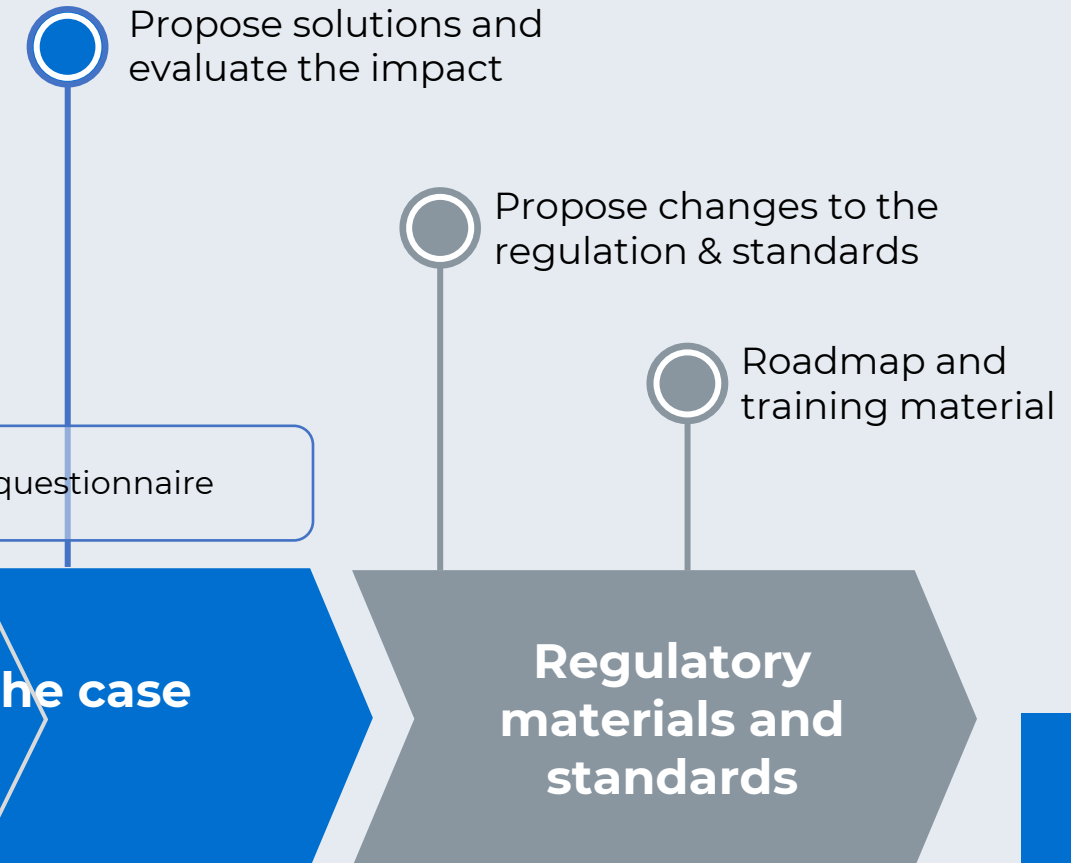
**CS5** Flight data models for safety



# WHAT HAVE WE DONE



# TO DO



We are here

DEVELOPMENT OF THE CASE STUDY

# STAKEHOLDER CONSULTATION PROCESS

Big thank you to the many organizations and experts who have invested their time and effort with us to make us aware of your situation and constraints. We still have a few more with whom we hope to close conversations in the next few days!



# CASE STUDY #3

## FLIGHT TRAINING DATA FOR EBT/CBTA

What are the current **digital & data-related barriers** and challenges for the implementation of EBT/CBTA programmes?



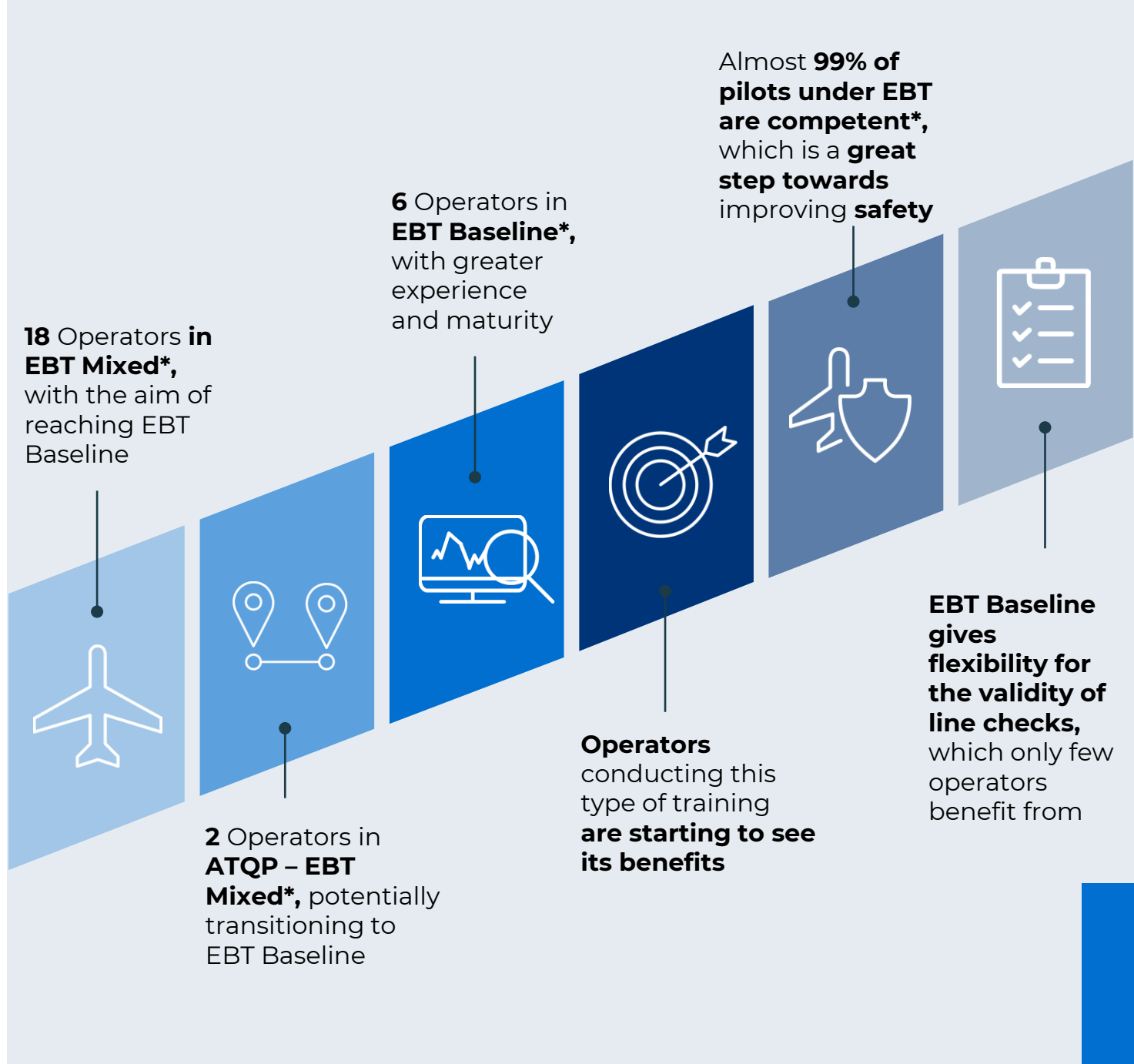
# STATUS & MATURITY

EBT involves a **shift in the approach to pilot training, first steps for implementation** taken in **2015 at regulatory level** and **operators progressively aligning to it** since **2017**

EBT is evolving, since it is a relatively new concept with few operators in EBT Baseline and limitations still to be addressed

Mature operators have acquired relevant experience and several more are on the way

EBT must continue to be promoted as it is the future of training, with the aim to be extended to other licenses



\* Source: EASA survey for EBT implementation status to which 9 authorities & 26 operators replied

LIMITATIONS IDENTIFICATION

# TOP 4 CHALLENGES

DIGITAL AND DATA-RELATED  
LIMITATIONS TO THE  
IMPLEMENTATION OF EBT/CBTA  
PROGRAMMES

**1**

**Customisation**  
of the EBT  
**programmes**

**2**

**Evaluation** of  
pilots **and** key  
**training data**  
**gathering**

**3**

**Instructor**  
**Concordance**  
**Assurance**  
**Programme**  
(ICAP)

**4**

**Link** and  
communication  
**with** the  
**authorities** and  
their **role in EBT**



# TOP 4 CHALLENGES

1

## Customisation of the EBT programmes

Governance framework between training and safety departments

Common taxonomy for training and safety departments



# TOP 4 CHALLENGES

2

## Evaluation of pilots and key training data gathering

Complexity in conducting the assessment due to the large amount of data (OBs) to be captured by the instructors

Compromised data quality due to flexible methodologies for competency assessment and data collection

Metric on the difficulty of the programmes or modules



# TOP 4 CHALLENGES

3

## Instructor Concordance Assurance Programme (ICAP)

Assessing the alignment of the instructors and creation of the “Golden Standards”

Definition of ICAP based on representative metrics and statistical methods

Monitoring the reliability of concordance data



# TOP 4 CHALLENGES

4

## Link and communication with the authorities and its role in the EBT

→ Data and further support & recommendations from the authorities

→ Visibility on operators' data and metrics shared by operators

→ Ensuring consistency of EBT programmes



TIME TO INVESTIGATE SOLUTIONS

# WHAT'S NEXT?

Now, our research will focus on defining potential working points or solutions (digital, standard or procedural) to the identified problems, as well as assessing their potential impact in case of implementation

1

**Identify potential solutions** to the identified limitations

2

**Evaluate the impact** of different solutions proposed

3

**Issue recommendations for EASA** to consider in future working groups or to develop standards

# WE NEED YOUR INPUTS!

This research is meaningless if we do not address the real barriers that affect your day-to-day life. **Help us** by explaining your limitations!

**Fill out our survey** to continue identifying constraints and solutions to future digital challenges

PLEASE SCAN THIS QR CODE



OR ACCESS THE [LINK](#)

# QUESTIONS & ANSWERS

PLEASE SCAN THIS QR CODE



OR ACCESS THE [LINK](#)

# ABOUT US



## About Us

# ALG AT A GLANCE

Global strategy and business consulting firm specialized in logistics, infrastructure and transportation with 25+ years in the business

### Aviation



We provide in-depth knowledge of the industry (air transport, airport infrastructure, air navigation, UTM and drones, space and civil aviation)

### Maritime



We identify opportunities to take advantages of trends in global trade, cruise markets and marina concessions, and support the development of maritime transportation and infrastructure throughout the value chain

### Land



Leading players in the highway and railway sectors and public transport authorities trust us (the highest rate of client repetition) to achieve more efficient and sustainable transport

### Intermodal & RE



We draw on our in-depth understanding of all modes of transport to assess and define the role of logistics zones in global supply chains and to design new strategies and modern logistics processes

## OUR DIGITAL DEPARTMENT

Our team of hybrid profiles, supporting transportation organisations along their path towards digital transformation

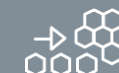
## WHAT DO WE OFFER?



Digital strategy



Digital capabilities



Digital technologies

Introducing the panellists

# OUR TEAM



**Núria Alsina**

Principal at ALG and head of digitalisation and advanced analytics in the Transportation practice. Aeronautical engineer with specialisation in air navigation and systems, certified in project management and scrum methodology



**Antonio Cabeza**

Engagement Manager at ALG. Aeronautical engineer with a MSc in Big Data and Advanced analytics. Specialises in strategic projects in airport and air traffic operations with wide expertise in digitalisation and regulatory related projects



**Andrada Bujor**

Team Leader at ALG. Aeronautical engineer with a MSc in Business Intelligence and Big Data and expertise in strategic business projects, ATM research, impact assessment and digital initiatives mainly in the European context



**Alex Olivera**

Consultant at ALG. Aeronautical engineer with relevant background in data analysis and information management, cost-benefit analysis, and business development plans



**Tim Ramsdale**

Flight Operations and Training Inspector / Training Standards Lead at UK CAAi with extensive experience in instructing and examining in multi-crew aeroplanes and helicopters, as well as a regulator in the UK CAA

**THANK YOU**

**ALG**

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