# Air Cargo Digitalization in COVID-19 Times: Perspectives on Security

August 25, 2021

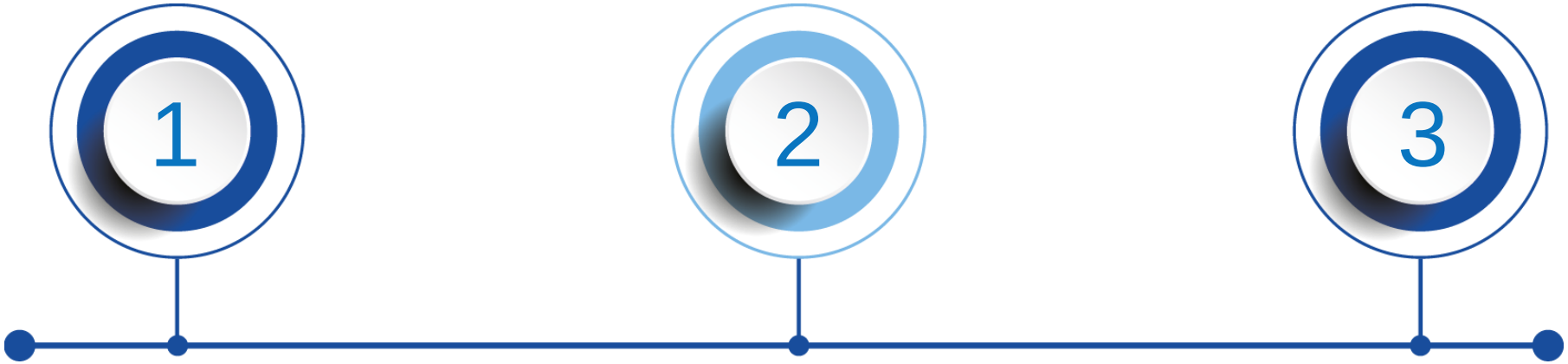
GACA
الهيئة العامة للطيران المدني
General Authority of Civil Aviation

رؤية VISION 2030
المملكة العربية السعودية
KINGDOM OF SAUDI ARABIA

General Authority of Civil Aviation

# Challenges in Air Cargo Security e-Services

1. Quality and availability of data
2. Sensitivity of information related to aviation security
3. Integration with different systems for sharing of data



# Air Cargo e-Services:

**The Secure Supply Chain Regime Management**

**Air Cargo Security Management**

**Screening and Statues**

# Air Cargo e-Services:

1

## The Secure Supply Chain Regime Management

- Entities can apply in the platform to be a part of the secure supply chain in the state. (Regulated agent or known consignor).
- These entities will be approved by the appropriate authority.
- The platform will assign an auditor for site validation.
- Following a successful validation of the site, license will be issued with a unique identifier number.
- List of the regulated agents and known consignors and their unique identifier will be in the platform for all stakeholders.

# Air Cargo e-Services:

2

## Air Cargo Security Management

- Enabling the appropriate authority and other entities in the supply chain to track air cargo shipments electronically, so that air cargo are tracked from the first point to the moment they are being loaded into the aircraft.

# Air Cargo e-Services:

3

## Screening and Statues

- Enabling screeners in the regulated agents and ground handlers at the airport to know the details of the shipments before arriving at the inspection point in the platform.
- Applying the screening method based on the nature of the shipment.
- Issuing a security status in an electronic format that transfer to interested parties.

# The security process of export air cargo in e-services

# Barcode contents

1 Client Information (Individuals)

2 Shipping Company Information

3 Shipment Information

4 AWB Information

5 Information of the Handling Operator

6 Air Carrier Information

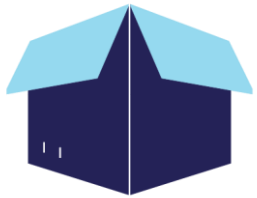
7 Client Information (Companies)

# What should e-services provide?

Security

Market Regulations

The Logistics Field



Being a part of the risk assessment

documents are digitalized within the supply chain

Integration with other organizations

# Advance Cargo Information

**The 7 + 1 data elements**

- Consignor, name
- Consignor, address
- Consignee, name
- Consignee, address
- Number of packages
- Total weight
- Cargo description
- HAWB and/or MAWB

**Messages result  from ACI analysis process**

AC: Accept
RFI: Request For Information
RFS: Request For Screening
DNL: Do Not Load

- ❑ It is an additional layer of a multi-layered to the current air cargo security regimes.
- ❑ Identifying new threats in air cargo security supply chain and supporting existing security measures.

# Risk assessment tool

- Looking at shipment information and knowing the risk of the shipment to choose the appropriate security method.
- Selecting shipments for random inspection. (Additional measures).
- Transfer and transit air cargo risk assessment.
- Great tool to states that screen all air cargo at the last moment before departure.
- Using machine learning to have a good understanding of a shipment’s risk level.

GACA®

الهيئـــة العامـة للطيران المدني

General Authority of Civil Aviation

# Thank You