

IFFAAD Luncheon 15 October 2021

Air cargo and post-pandemic recovery

Vladimir D. Zubkov



Benefits of air cargo



Delivering time on time

...air cargo makes it happen.

The Swiss watch industry continues to record strong growth. Reliable air cargo is keeping this industry ticking by connecting the Swiss made timepieces with the world.

www.iata.org

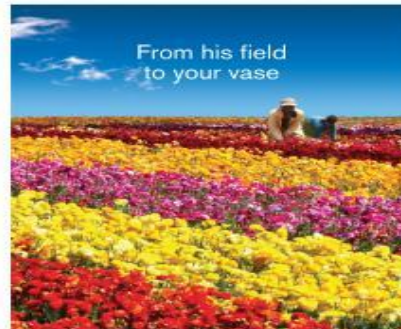


one of these with you?

...air cargo makes it happen.

Air cargo transports over US\$ 5 billion in goods, including the latest phone, game and multimedia gadgets —bringing your world to life.

www.iata.org



From his field to your vase

...air cargo

Air cargo flies over 1 each year, making it with 4 come to

www.iata.org



Travelling first class in a stable market

...air cargo makes it happen.

The world's most valuable horses are now competing in parts of the world where they would have been impossible 50 years ago.



12-14 April: Shanghai

19-21 April: Bahrain

...air cargo makes it happen.

...air cargo makes it happen.



Help from the sky

...air cargo makes it happen.

Air cargo plays an essential role in assistance to regions facing natural disasters, famine and war by delivering aid and emergency supplies where they are needed as soon as they are needed.

www.iata.org



A life protected

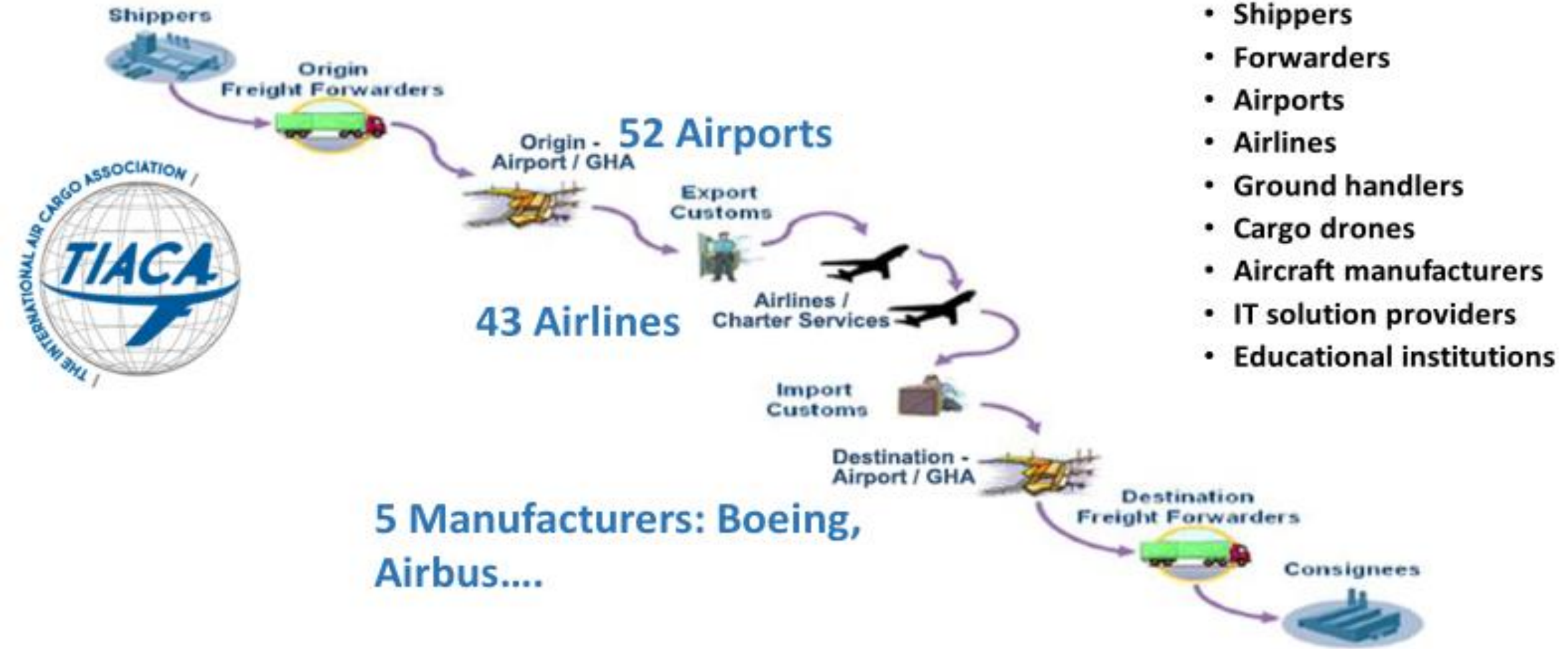
...air cargo makes it happen.

Immunization prevents 2.5 million deaths every year. Air cargo is critical in flying vaccines to their destination in time to be effective.

www.iata.org



TIACA – The International Air Cargo Association



Partners in air cargo business



...and many more

STRATEGIC OBJECTIVES for post-pandemic recovery

- 1. WORKING TOGETHER, COLLABORATION PARTNERSHIP**
- 2. FOLLOW RECOMMENDATIONS OF INTERNATIONAL BODIES**
- 3. NEW AVENUES: – DIGITALIZATION + response to ICAO's
“CART”**
- 4. OBTAIN NEW KNOWLEDGE**

STRATEGIC OBJECTIVES

- 1. WORKING TOGETHER, COLLABORATION PARTNERSHIP**
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International collaboration and leadership role of ICAO



COVID-19 ICAO TECHNICAL MEETINGS

Air cargo is an integrated industry – we need consistent actions and consistent messaging across the industry.

There is no better integrator of the industry interests than ICAO.

They established a Technical group for joint actions related to COVID-19

MEMBERS

- 1. International Organizations (WHO, IMO, IOM, WCO, WFP)**
- 2. Regional Organizations (AU, EU, ACAO, AFCAC, ECAC, LACAC)**
- 3. Industry Partners (ACI, CANSO, FIATA, GEA, IATA, ICCAIA, TIACA)**

What is COVID-19 Recovery Platform

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Facilitation Measures

Economic Analysis and Forecasts

ICAO Council Aviation Recovery Taskforce

ICAO Regional Office Activities

UN System Policy Briefs on COVID-19

Partner Resources

Support Materials for Civil Aviation Authorities

COVID-19 Airport Status

The COVID-19 Webinar Series

Flight Data Application (Infectious disease)

ICAO Implementation Packages (I-Packs)

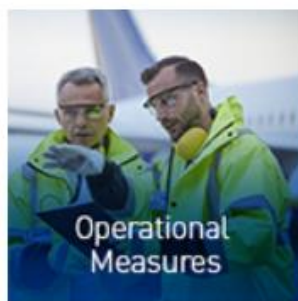
COVID-19 Response and Recovery Implementation Centre (CRRIC)

Training

Aviation Readiness and Recovery

ICAO has developed this COVID-19 Recovery Platform to collate the forecasts, guidance, tools, and resources which are needed by national regulators pursuing pandemic responses.

Additional advice will also be presented on this platform to help assure a coordinated and aligned global approach as governments and industry work together to reconnect the world post-pandemic.



Quick Links

Quick and direct access to standardized guidance material, tools, and expert support developed by ICAO to address challenges posed by the COVID-19 pandemic.

- [COVID-19 State letters and Electronic Bulletins](#)
- [COVID-19 Q&As for States, Air Transport Operators and the General Public](#)
- [Handbook for CAAs on the management of aviation safety risks related to COVID-19](#)
- [COVID-19 Temporary Alleviations to national regulations](#)

<https://www.icao.int/covid/cart>



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200722 response....docx



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What is CART and its Report

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CART

COUNCIL AVIATION RECOVERY TASK FORCE

REPORT

ICAO / COVID19 / CART

CART Home

CART Report

Executive Summary

Recommendations

Context and Key Principles

Flightplan for Recovery

Council Aviation Recovery Taskforce (CART)

The work of the ICAO Council's Aviation Recovery Task Force (CART) is aimed at providing practical, aligned guidance to governments and industry operators in order to restart the international air transport sector and recover from the impacts of COVID-19 on a coordinated global basis.

The CART's work on its recovery Report and the accompanying 'Take-Off' guidance for international aviation



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Cargo in the Report

ICAO / COVID19 / CART / Guidance for Air Travel through the COVID-19 Public Health Crisis

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Building Resistance

The Way Forward

CART Take-Off Guidance

Home

Public Health Mitigation Measures

Airport Guidelines Module

Aircraft Guidelines Module

Crew Guidelines Module

Cargo Guidelines Module

Guidance for Air Travel through the COVID-19 Public Health Crisis

The [CART Take-off guidance](#) includes a section on Public Health Risk Mitigation Measures, in addition to operational modules relating to:

Airport
Guidelines

Aircraft
Guidelines

Crew
Guidelines

Cargo
Guidelines

Background

The impact of the coronavirus disease (COVID-19) pandemic on global air transport is without precedent. Airports have seen a -28.4 per cent decline in global passenger traffic volumes for the first quarter of 2020, equivalent to a reduction of 612 million passengers in absolute terms. These volumes (domestic and international traffic) are expected to decrease by -50.4 per cent for 2020 as a whole as compared to 2019.

<https://www.icao.int/covid/cart/Pages/Aircraft-Module.aspx>

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Pharma - unprecedented challenges for the logistics

Fast-track development of vaccine(s)

Limited time for logistics players to strategize, invest, deploy adequate infrastructure and develop required skills and processes



Many types of vaccines and manufacturers in the race

Long list of unknowns for logistics experts impacting their level of preparedness.



























Requires a combination of:
People + Infrastructure + Standards + Packaging (+ Dry-ice) + Collaboration



PUBLIC HEALTH CORRIDORS (PHC)



	CLEAN CREW 	CLEAN AIRCRAFT 	CLEAN AIRPORT FACILITIES 	CLEAN PASSENGER 	CLEAN CARGO 
GUIDANCE MATERIAL* 					
FORMS (STATUS CARD) 					
CERTIFICATION 					

Conformity with PHC is common for All



Data and logistic corridors



Need for Speed in Pandemic REC LIVE on Facebook



In a nutshell technology enabled services shall transform the air cargo processes to
Exchange documentation digitally | Schedule and plan appointments | Provide SaaS based tools to enable WFH | Reduce inefficiencies

STRATEGIC OBJECTIVES

**1. WORKING TOGETHER, COLLABORATION
PARTNERSHIP**

**2. FOLLOW RECOMMENDATIONS OF
INTERNATIONAL BODIES + BEST PRACTICES**

**3. NEW AVENUES – DIGITALIZATION + response to
CART**

4. OBTAIN NEW KNOWLEDGE

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Public Health Mitigation Measures

Airport Guidelines Module

Aircraft Guidelines Module

Crew Guidelines Module

Cargo Guidelines Module

Documents and Forms

Cargo Module



To protect cargo handling staff and truckers during the handover points for physical freight (in warehouse) and documentation (often office).

Considerations

- **Documentation handover (office)**
- **Implement digital document systems and data exchange wherever possible**
- Onsite bio safety principles
 - Proximity for document handover should be minimized, floor markings should be indicated and for appropriate PPE to be worn
 - Wherever possible hand washing or alcohol-based hand sanitizer on entry.
 - Regularly clean and disinfect surfaces (handles, kiosks, etc)
 - Alcohol-based hand sanitizer available for users of kiosks, etc.

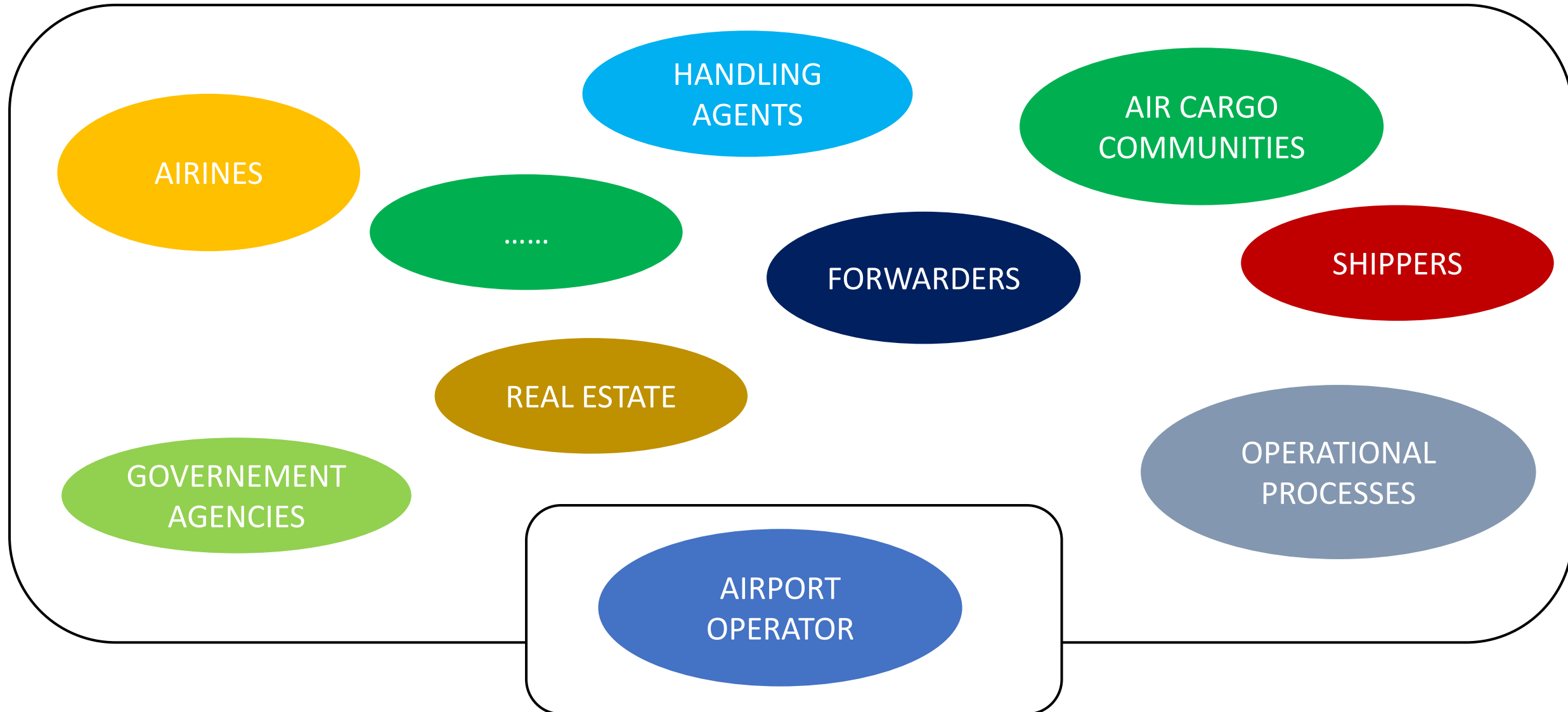
Transformation of airports from real estate investor/provider to...



... the conductor of the (local) cargo orchestra



Who are “players” in the local “cargo orchestra”?



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Drones in Air Cargo

- Drones for Inspection & Broadcast.
- Drones for Spraying disinfectants.
- Drones for last mile delivery of PPE's



Advantages of Large Cargo Drones for Air transport over Manned Aircrafts.

- ✓ Cost effective.
- ✓ Flexibility in flight scheduling.
- ✓ Ability to land on unpaved runways and water.
- ✓ Fewer crew requirements.
- ✓ Minimal Stop-overs and More Direct flights.



FlyOx Cargo Drone





YAMAHA FAZER



PAYLOAD

32 KG



RANGE

90 KM



SPEED

72 KMPH



TIME

100 minutes

Digitizing the supply chain to fight COVID



e-Booking



e-AWB



e-Certificate of
Origin



e-Customs



e-DO



AWB Stock
Management



Advance Shipment
Information to
Terminal operators



Online Carting Order
Request



Online handling
payment



e-dockets



Vehicle Slot
Booking



SIR (Shipment
Information Record)



e-Manifest

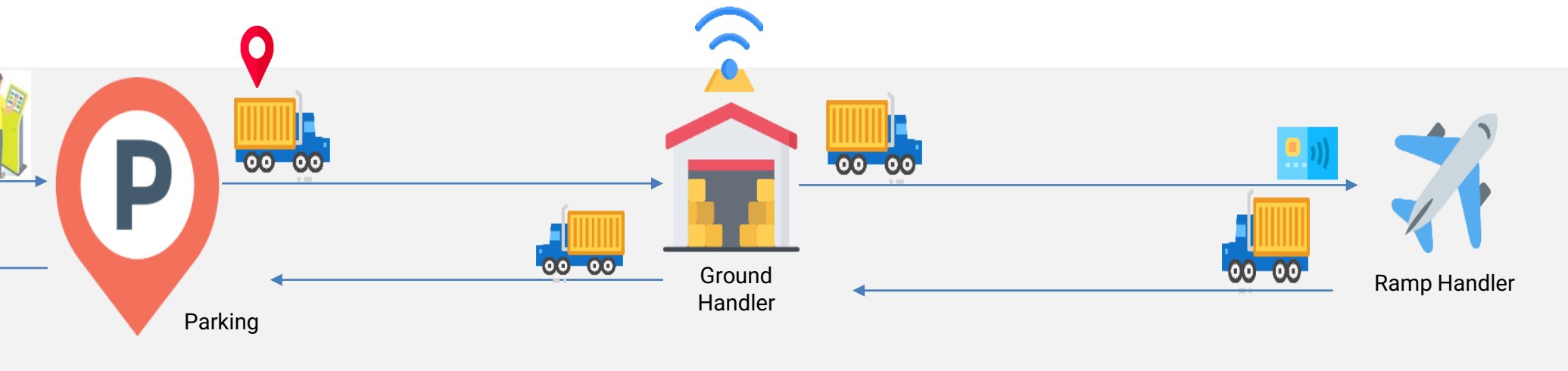
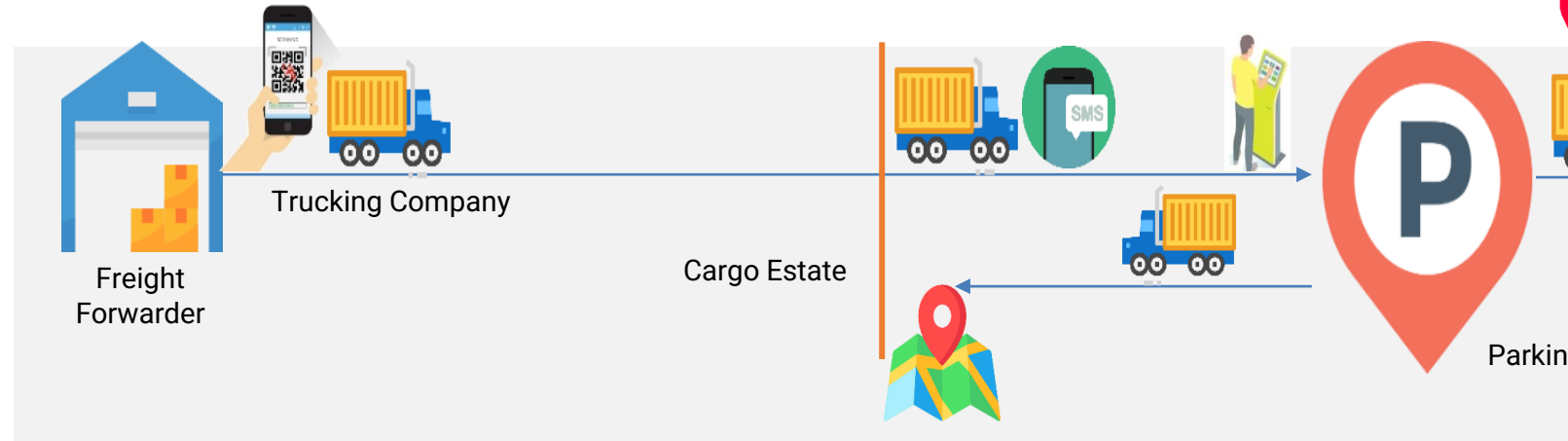


EDI Messaging



E-Delivery Orders

Digitalize the Journey of Cargo



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SAFE SUPPLY CHAIN



CONCLUSIONS

- 1. For the success in post-pandemic recovery cargo supply chain should be working closer together.**
- 2. Work in harmony with States Administrations.**
- 3. ICAO should be in charge.**
- 4. Put emphasis on innovations, digitalization and new knowledge.**



Thank you!

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STRATEGIC AVIATION SOLUTIONS INTERNATIONAL

Stan Wraight President and CEO Strategic Aviation Solutions Int'l

SASIWORLD

**Strategic solutions,
Challenges, Influencers...**