

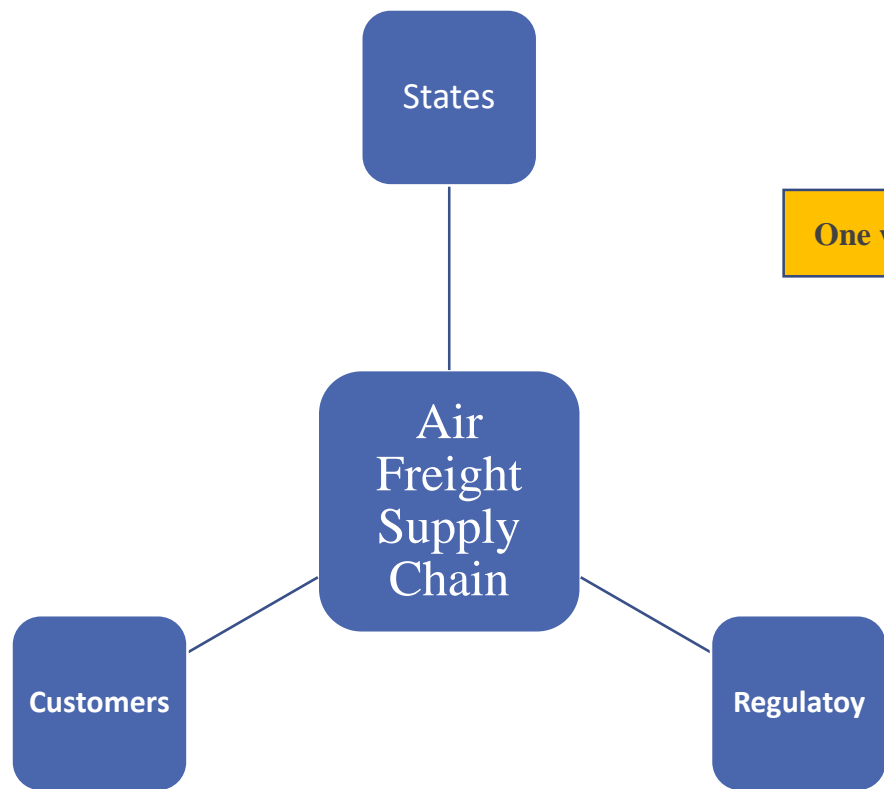


Air Cargo Digitalization and Security

Increasing synergies between all stakeholders



The Air freight Supply Chain faces increasing challenges



One way to meet these challenges

The pandemic has accelerated several emerging trends, including supply chain digitization, that will revolutionize how the entire cargo segment does business.

Migrate from a paper based process to a data driven process for transportation of goods

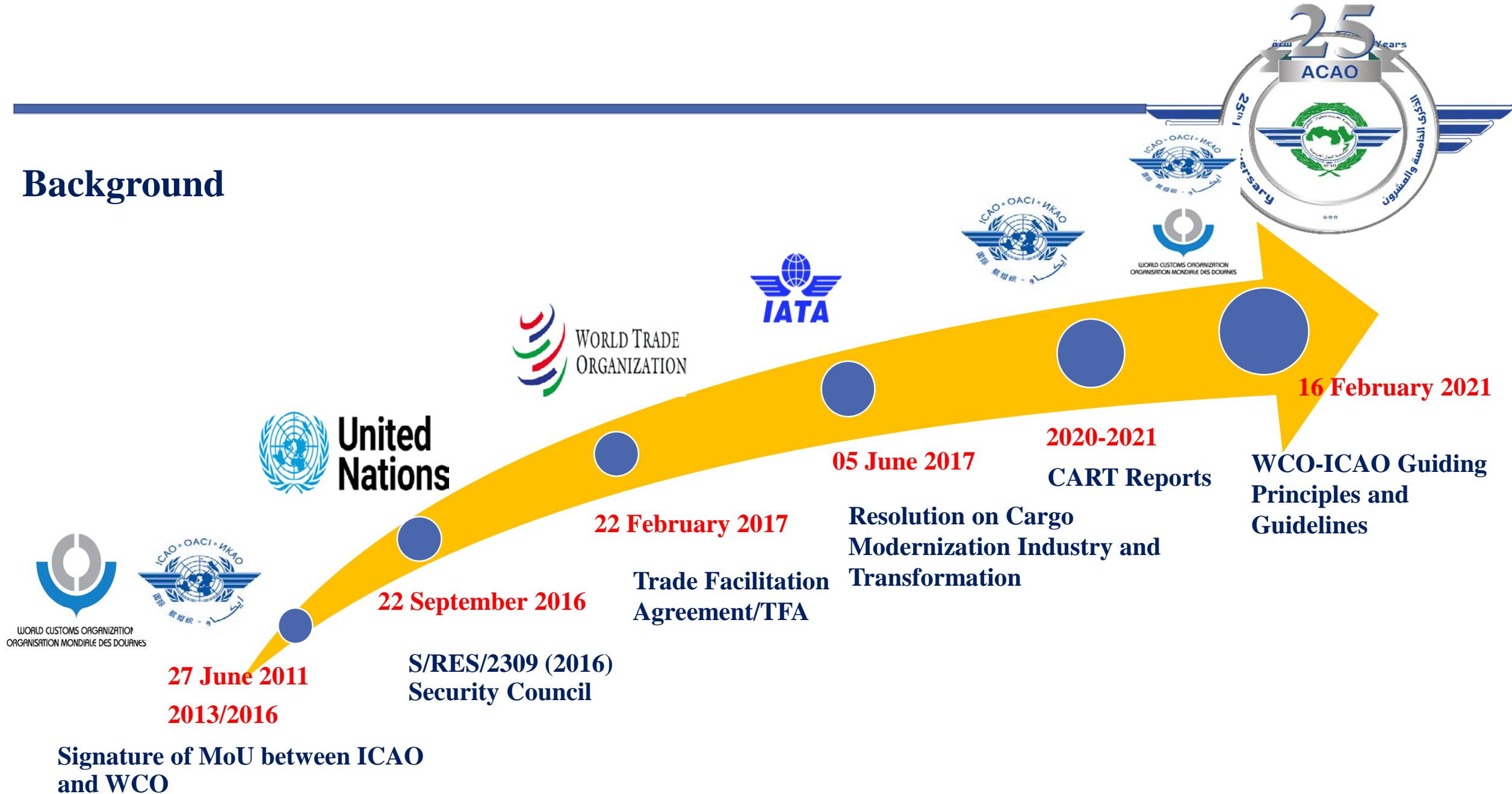


Digitalisation is the way to Simplifying business for air cargo

Response to COVID-19

Digitalisation is the only way out for air cargo

Background



Global Collaboration for air cargo in Covid-19 period and in a post-COVID-19



International Organizations



Regional Organizations



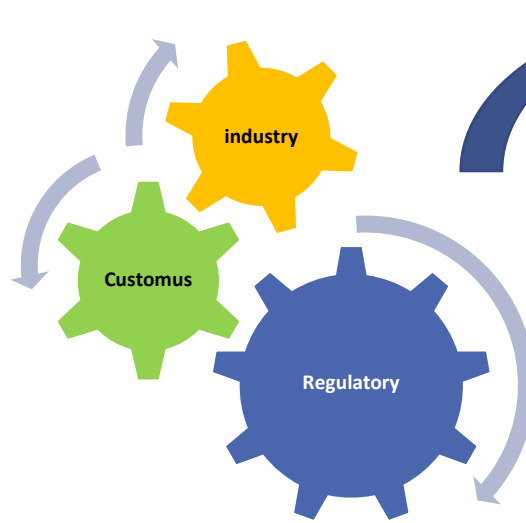
Industry Partners



The way forward

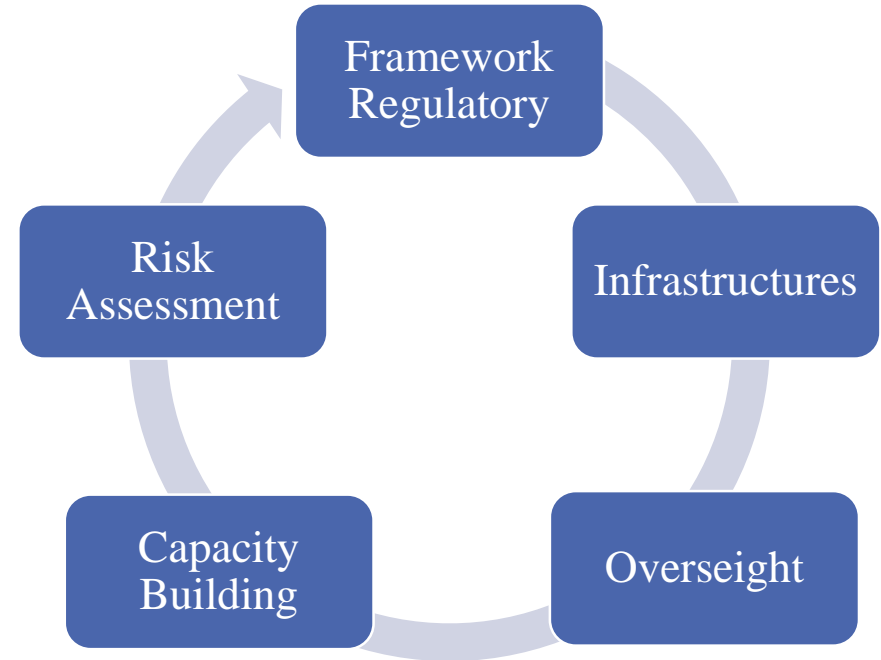


**Air Cargo
Digitization**



**New business
Model**

Challenges



General Principles



Civil aviation as a Target



Transnational Crime

DRUGS AND HUMAN TRAFFICKING

INSIDER THREAT



Key Stakeholders

Regulated Agent

Customs

Airport & GHA

Aircraft operators

Unknown & known Consignors

Air Cargo

Security controls

Supply chain security process

Protection of Cargo after security controls

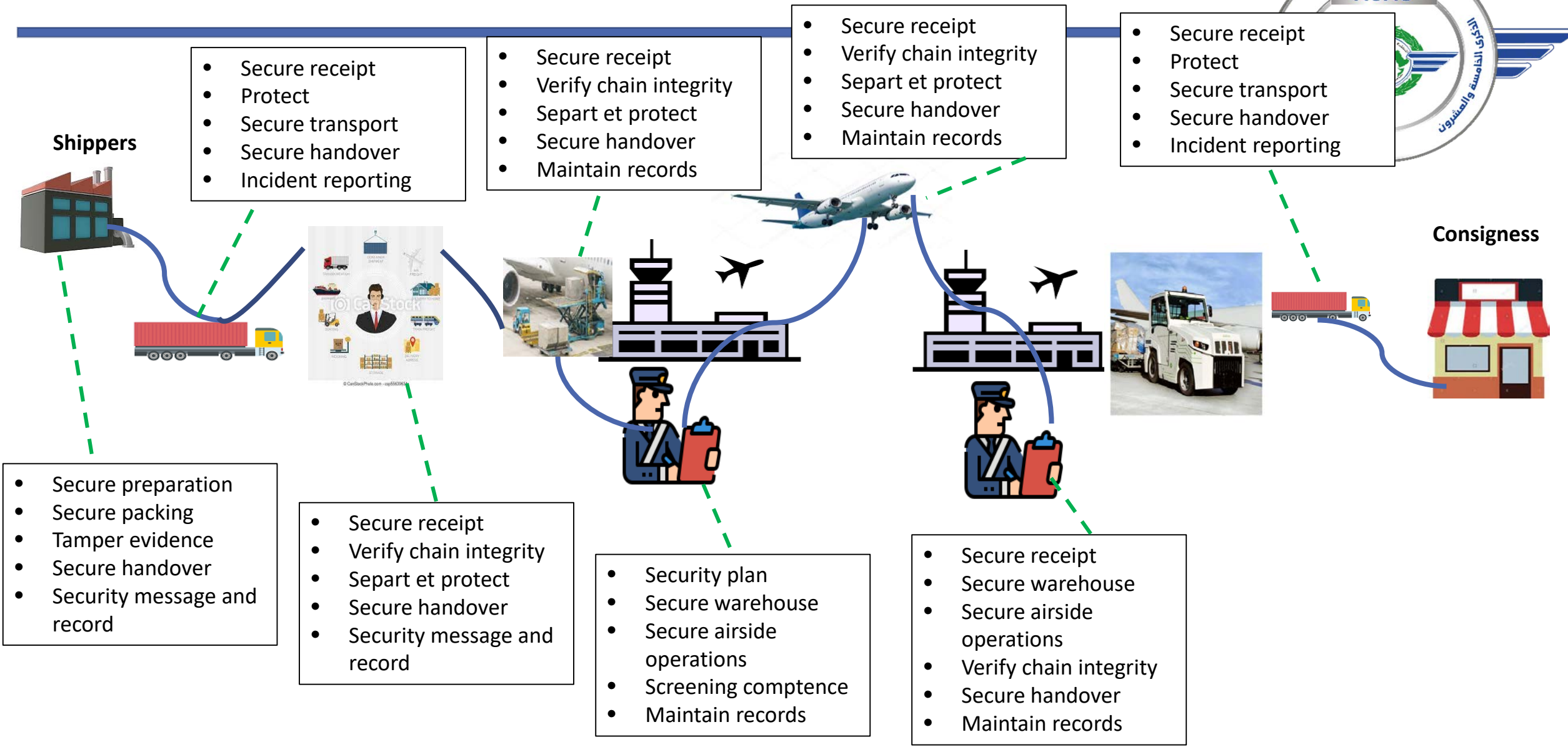
Focus on high-risk cargo

Application of security control according to shipment's classification

Training

- No cargo can fly until it is secure
- Each individual consignment of cargo has to be evidenced to be secure – **supply chain** or **screening**.

Security Supply Chain



Shippers

- Secure receipt
- Protect
- Secure transport
- Secure handover
- Incident reporting

- Secure receipt
- Verify chain integrity
- Separate and protect
- Secure handover
- Maintain records

- Secure receipt
- Verify chain integrity
- Separate and protect
- Secure handover
- Maintain records

- Secure receipt
- Protect
- Secure transport
- Secure handover
- Incident reporting

- Secure preparation
- Secure packing
- Tamper evidence
- Secure handover
- Security message and record

- Secure receipt
- Verify chain integrity
- Separate and protect
- Secure handover
- Security message and record

- Security plan
- Secure warehouse
- Secure airside operations
- Screening competence
- Maintain records

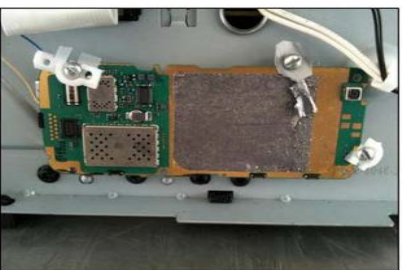
- Secure receipt
- Secure warehouse
- Secure airside operations
- Verify chain integrity
- Secure handover
- Maintain records

Consignees



Multiplicity of the Security Requirements for Air Cargo

On October 28, 2010, The global counter-terrorism community disrupted a potential attack when individuals with ties to the Al-Qaida in Yemen attempted to conceal and ship explosive devices in Cargo on board aircraft ultimately destined for the United States



Multiplicity of the Security Requirements for exchange informations

U.S.:

- ACAS(Air Cargo Advance Screening)

European Union:

- ACC3(Air Cargo/Mail Carrier into the EU 3rd Party Airport)
- PRECISE (Pre Loading Consignment Information Security Entry)

Canada:

- PACT(Pre load Air Cargo Targeting)

Australia:

- Regulated Air Cargo Agent
- Accredited Air Cargo Agent Schemes

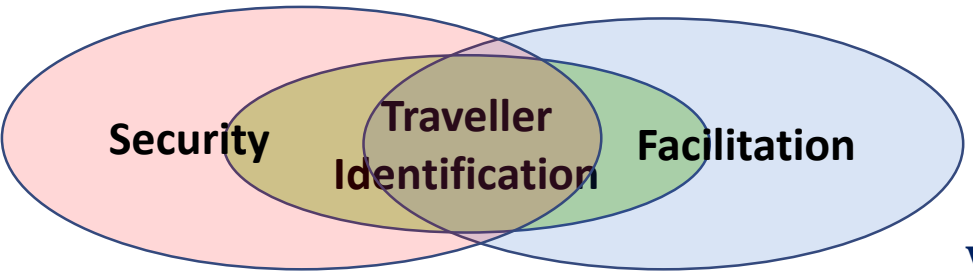
WCO & ICAO

- Advance Cargo Information

How to connect these programs together ?



Multiplicity of the Security Requirements for Air Cargo

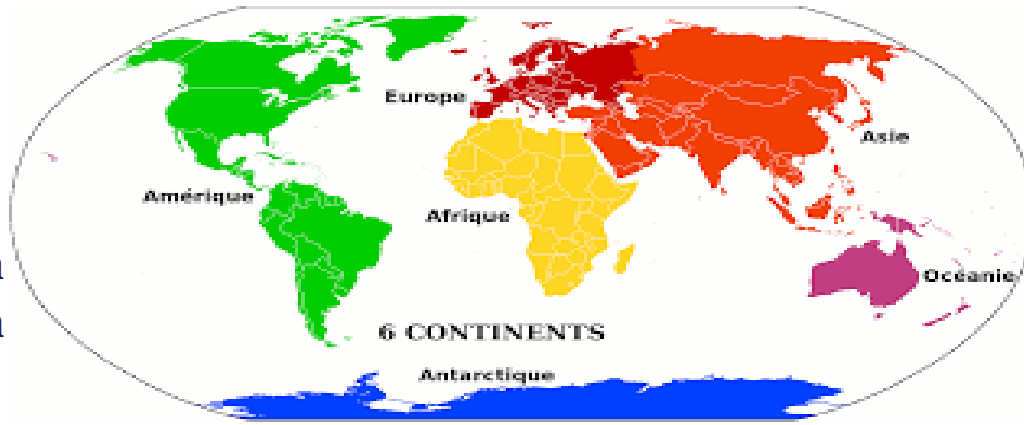


PKD



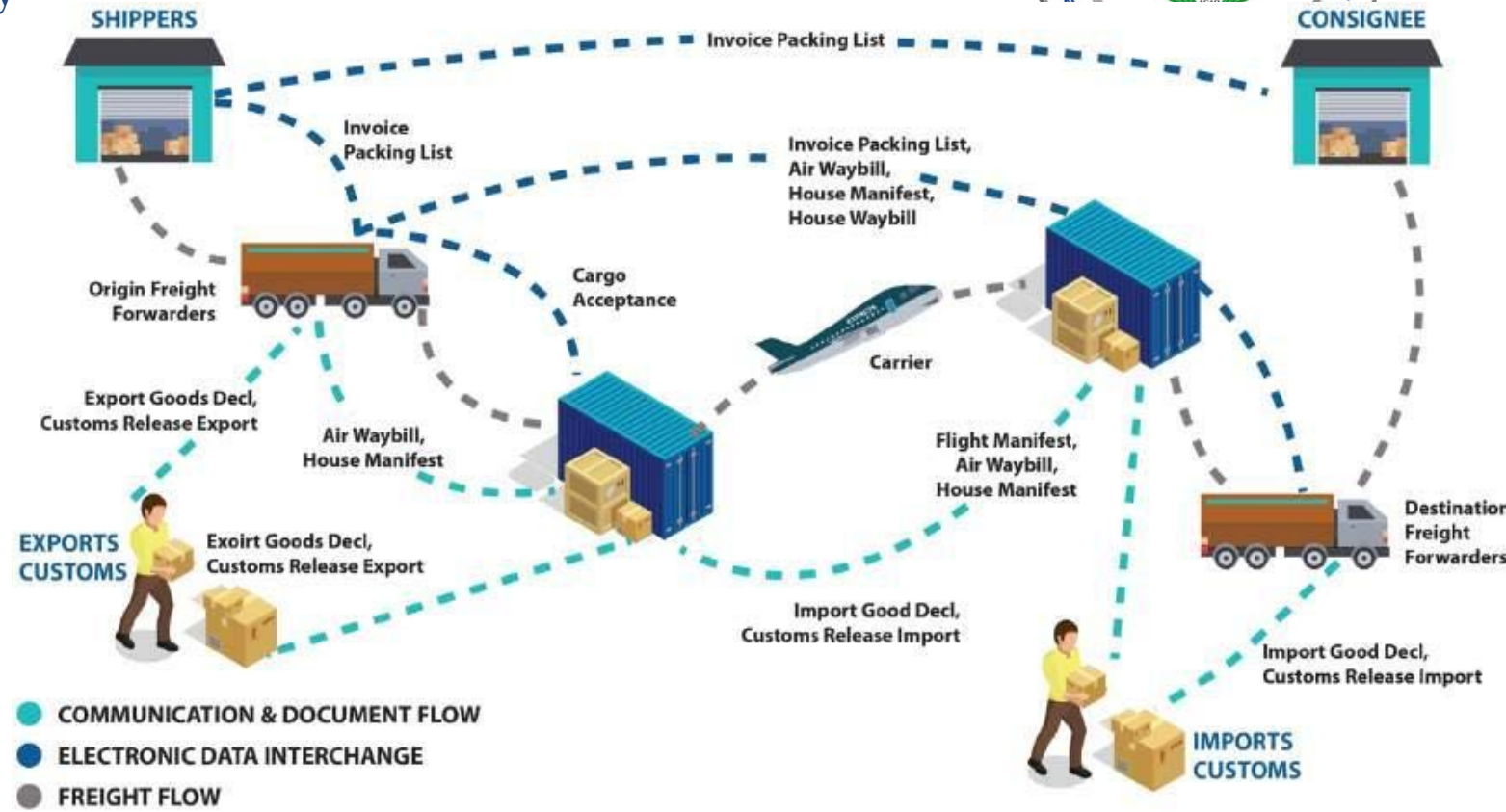
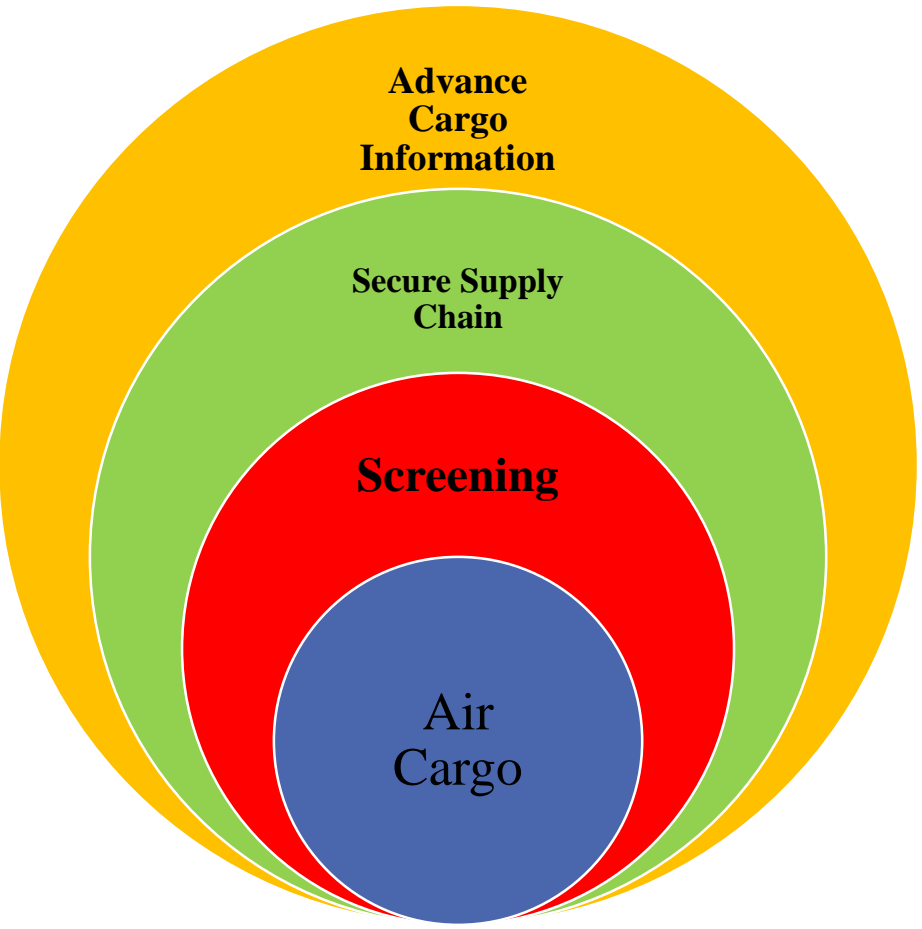
Why Can We not do on Cargo What We can do on the Passenger side

Multiplicity of the Security Requirements for exchange informations/Data



Common Database PKD for Air freight

Multi-layered approach to air cargo security

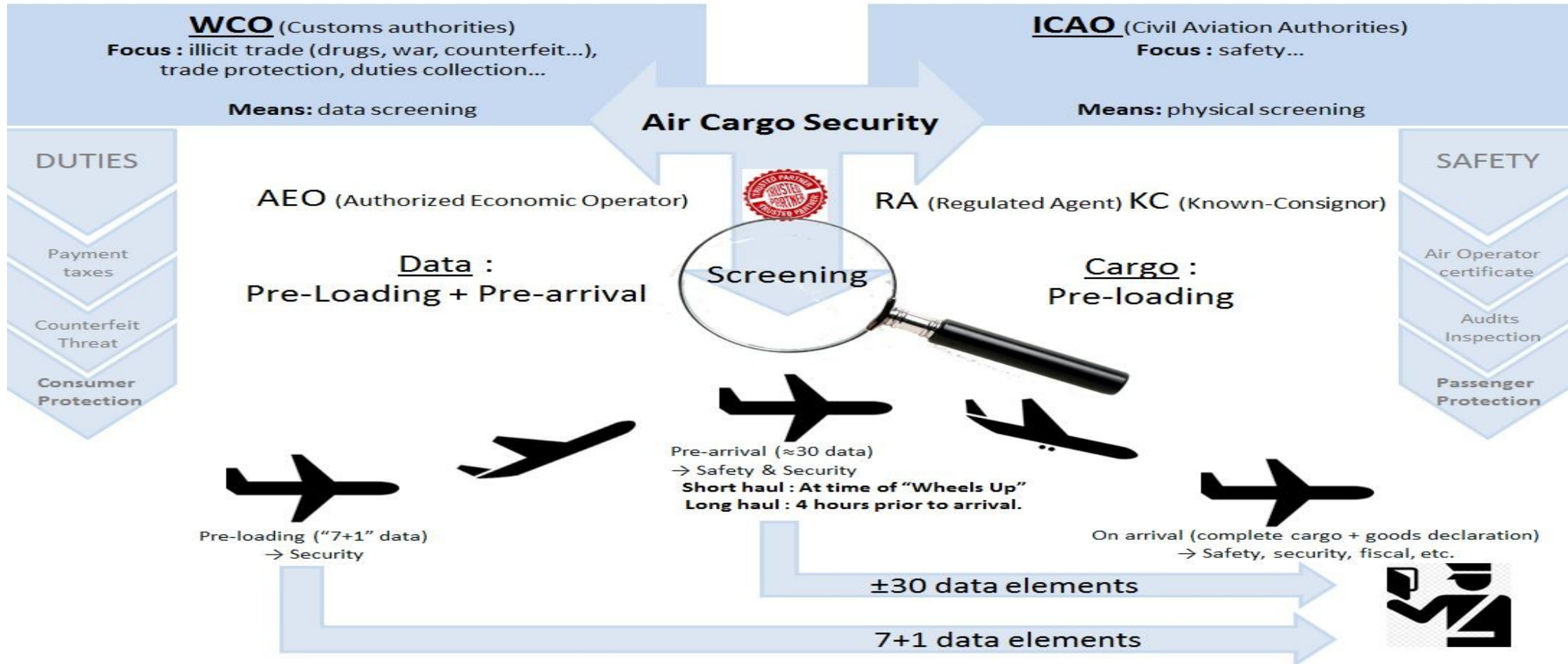


- | | | | |
|--------------------------------|-----------------------------|------------------------------|------------------------------|
| 1. Invoice | 6. Master Air Waybill | 11. Flight Manifest | 15. Import Goods Declaration |
| 2. Packing List | 7. House Waybill | 12. Transfer Manifest | 16. Customs Release Import |
| 3. Certificate of Origin | 8. House Manifest | 13. Export Cargo Declaration | |
| 4. Letter of Instruction | 9. Export Goods Declaration | 14. Import Cargo Declaration | |
| 5. Dangerous Goods Declaration | 10. Customs Release Export | | |

Advance Cargo Information



Air Cargo Security environment

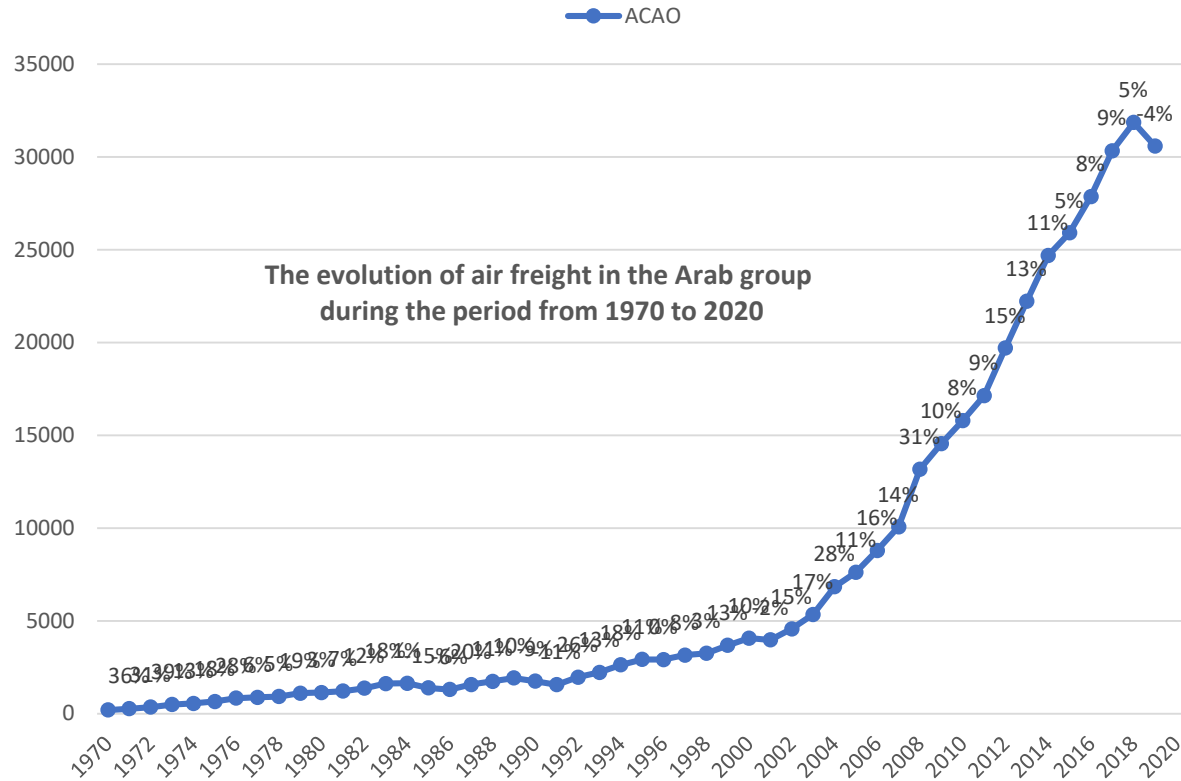


(Presentation by IATA at the ICAO-WCO workshop on Air Cargo Security and Facilitation)

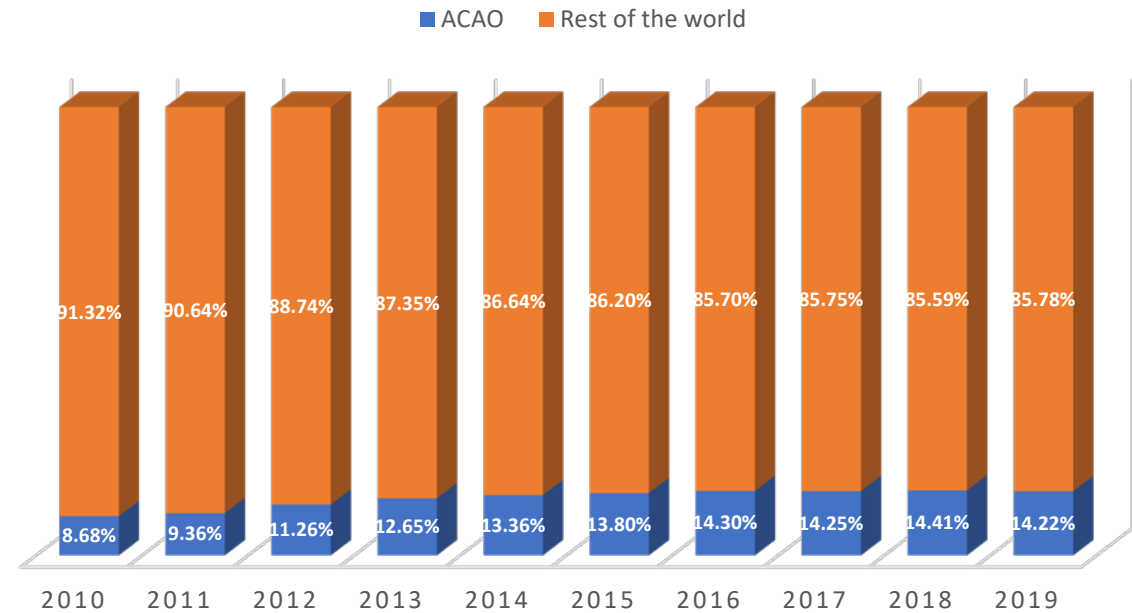


Why ACAIO is interesting by developing Air Cargo in Arab Region

Air Cargo in Arab States



THE ARAB BLOC'S SHARE OF THE INTERNATIONAL AIR FREIGHT MARKET DURING THE PERIOD 2010 TILL 2019



What's Challenges for Arab Region



Lack of Legislation

inadequate or inefficient infrastructure and services; insufficient funds

Disparity between States on adoption of technologies and innovation

inadequate enforcement powers allocated to the designated Appropriate Authority for security;

Situation is below the global average, indicating that some Arab States are unable to properly oversee aviation security and facilitation.

Tenuous security environment and Regional "hotspots" :

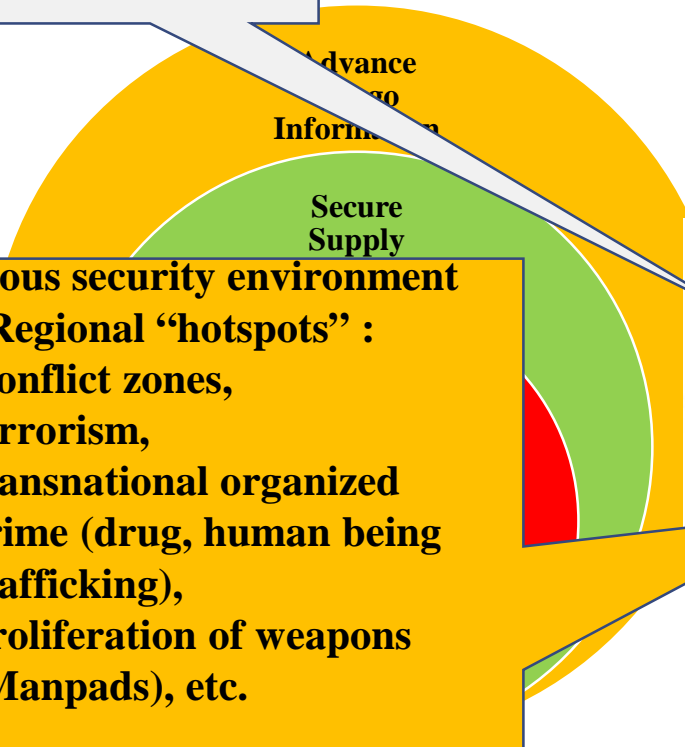
- Conflict zones,
- terrorism,
- transnational organized crime (drug, human being trafficking),
- proliferation of weapons (Manpads), etc.

Need to strengthen implementation of Standards in Annex 17 — Security, and risk mitigation.

lack of coordination, and duplication of capacity-building efforts.

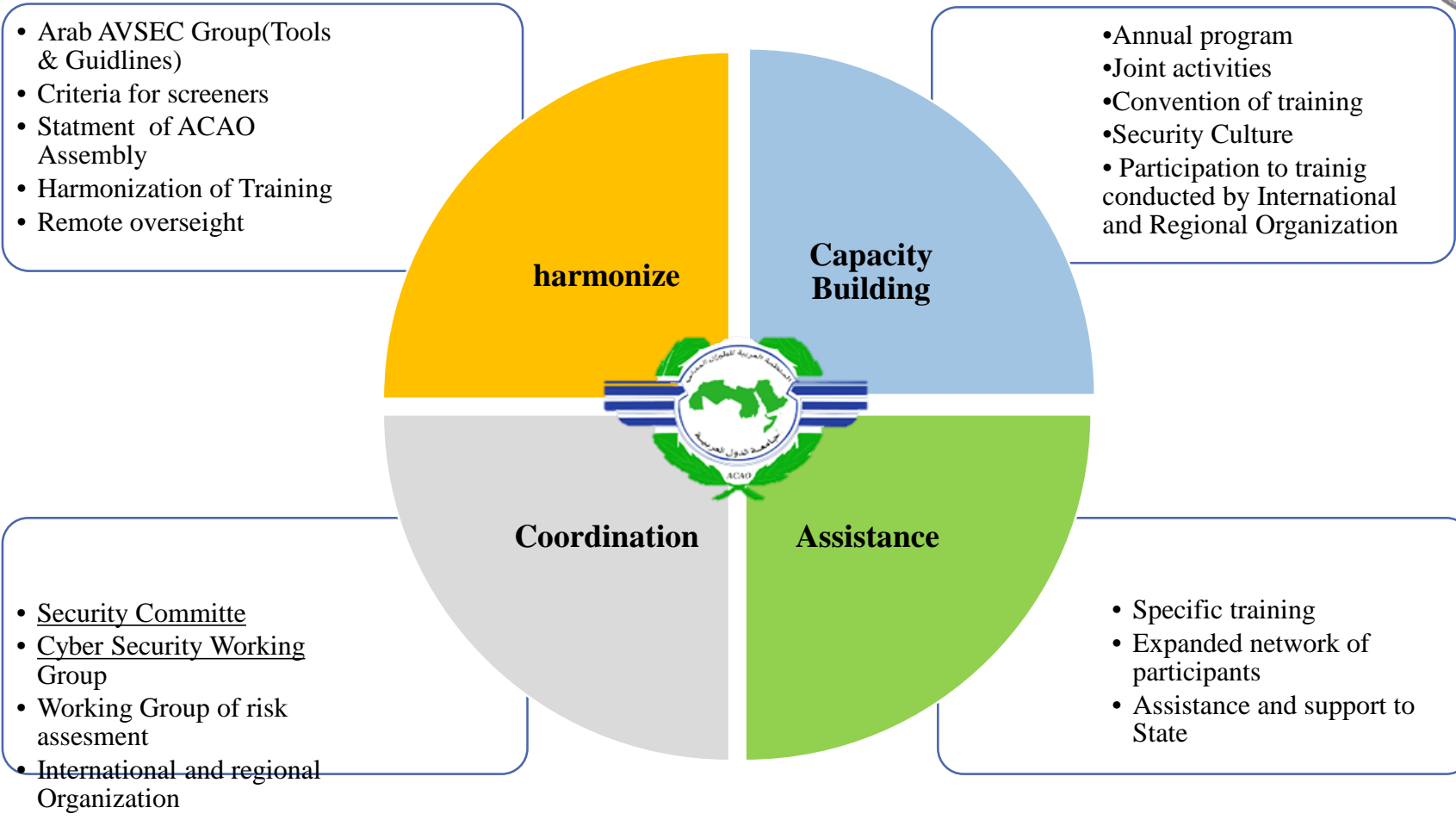
Unsatisfactory implementation of Standards in Annex 9 — Facilitation, and APIS and ACI

Lack of sharing information of threat and risk in civil aviation





Enhance civil aviation security



الهيئة العامة للغذاء والدواء
الهيئة العامة للغذاء والدواء
التشغيل الاستراتيجي
التكبير والإجراءات المتعلقة بالامن و التسيير
عند العودة للتسيير المدني لمرحلة الطيران
نسخة الاخرى

ECAC CEAC
EUROCONTROL
AICTO
OACI
الاتحاد العربي للملاحة الجوية
arab air carrier's organization

ECAC CEAC
ICAO OACI WKAO
الخطوط الجوية العربية السورية

Enhance civil aviation security



Synergies between all stakeholders



Joint Program 2021-2022



Transportation
Security
Administration



Department
for Transport





ACA O's activities in relation to COVID-19

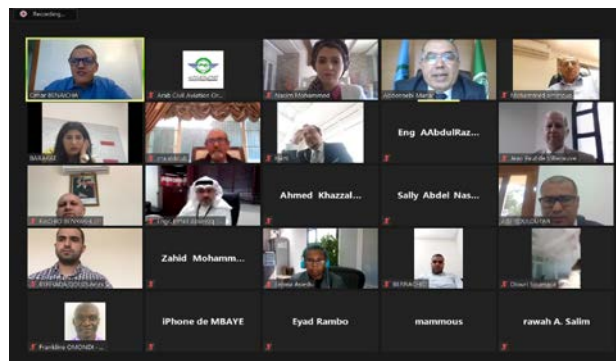
- ❖ **Dedicated section of the ACA O web-site (informations on COVID 19, Member States Measures)**
- ❖ **Coordinate with ICAO-MID and AACO**
- ❖ **Participate at CART and Contribute to the guidelines and information notes issued by this task-forces.**
- ❖ **Work on guidance materials.**
- ❖ **Global webinar series: improving awareness on COVID-19**
- ❖ **Statement issued by the 26 th General Assembly of the ACA O on the implementation of measures to confront the emerging corona virus pandemic, and Mechanisms for the restart and recovery of the civil aviation sector,**



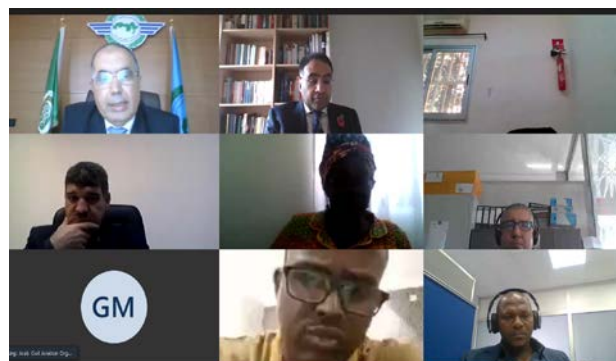
ACA0's activities in relation to COVID-19

webinar series: improving awareness on COVID-19

ISO 45001 Quality Safety Health
26-27 October 2020



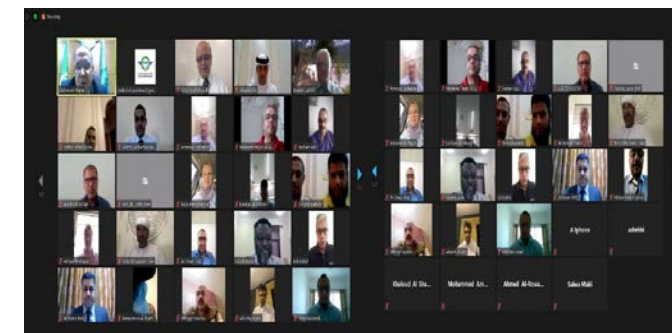
Joint Seminar with DfT on Security
Cargo
28-29 October 2020



Online Workshop: Impacts of COVID -19
Public Health Measures on AVSEC
requirements as they pertain to the
design and management of screening
points
21-23 July 2020

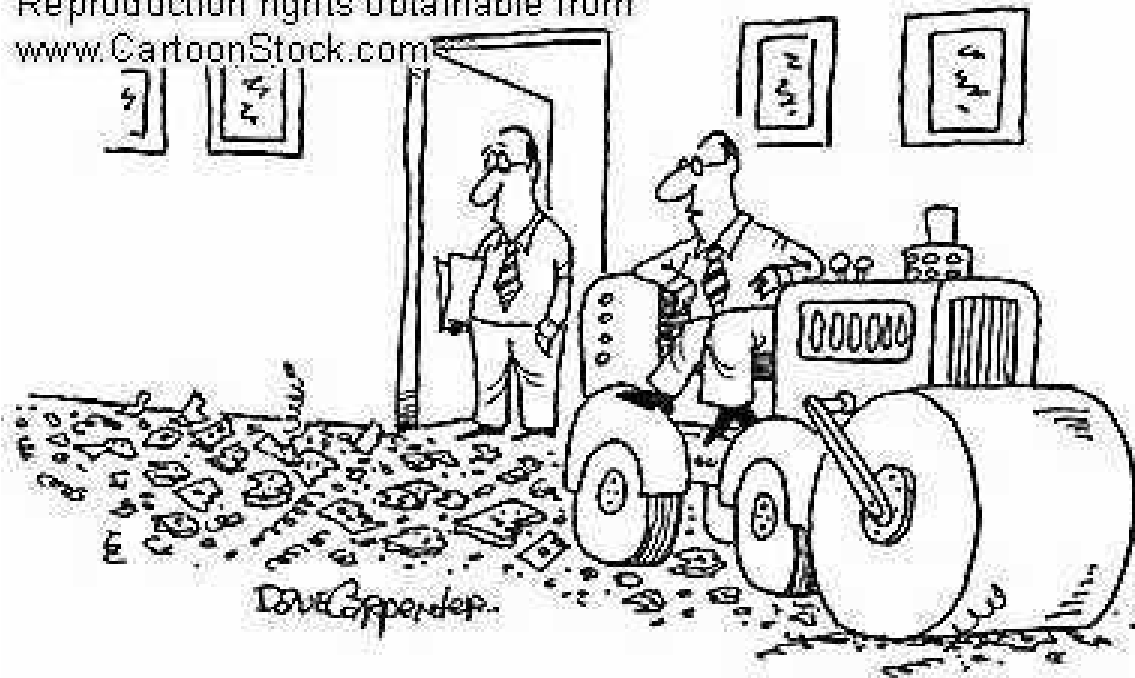


COVID-19: What New Public
Health Measures for the Civil
Aviation Industry?
22-26 June 2020



Conclusion

© Original Artist
Reproduction rights obtainable from
www.CartoonStock.com



"WELL SIR, I THINK WE'VE FINALLY GOTTEN THE VIRUS OUT OF THE OFFICE COMPUTERS."

Be Part of the Chagne

“Once a new technology rolls over you, if you’re not part of the steamroller, you’re part of the road.”

Stewart Brand



Thank You