



ICAO MID

## CYBER SECURITY AND RESILIENCE SYMPOSIUM

TOWARDS A RESILIENT AVIATION CYBERSPACE

AMMAN, JORDAN | 15-17 OCTOBER 2019



ICAO 2019

75 YEARS OF  
CONNECTING  
THE WORLD

# Mohammad Alkhudari

*CEO – Green Circle for Cyber Security*



## Cyber Threats and risks in IT

- Major threats and risks in 2020
- Human Factor (IT Staff, Security Specialists, IT Users)
- The Difference between Threat and Risk
- Evaluation of Risk impact on Business
- Top Threats/Risks Impacting Aviation IT.





# Cyber Threats and risks in IT

- Major threats and risks in 2020
  - Phishing
  - Mobile Attack
  - Ransomware Attack





# Cyber Threats and risks in IT

- Human Factor (IT Staff, Security Specialists, IT Users)
  - Educate to Mitigate
  - Understand key human performance issues relevant to aviation operations
  - Integrated Human Factors knowledge into key areas of aviation operations
  - Lack of Security Specialists impact.



# Cyber Threats and risks in IT

- The Difference between Threat and Risk
  - Define the difference between vulnerabilities, threats, and risks.
  - Examples of IT security threat and risks.
  - How to calculate risk value.





# Cyber Threats and risks in IT

- Evaluation of Risk impact on Business
  - Strategies to manage business risk
  - Link Business initiatives into Cyber Strategy and Evaluate Impact of Risk.
  - Enterprise Risk Management.
  - Tools to evaluate business risk.





# Cyber Threats and risks in IT

- Top Threats/Risks Impacting Aviation IT.
  - Phishing – Spear Phishing
  - Injection
  - Insider & Landside Threats
  - Mobile/BYOD Threats.





ICAO MID

**CYBER SECURITY AND  
RESILIENCE SYMPOSIUM**

TOWARDS A RESILIENT AVIATION CYBERSPACE

AMMAN, JORDAN | 15-17 OCTOBER 2019



ICAO 2019

75 YEARS OF  
CONNECTING  
THE WORLD

Click to edit Master title style

# Questions?





# ICAO MID

## CYBER SECURITY AND RESILIENCE SYMPOSIUM

TOWARDS A RESILIENT AVIATION CYBERSPACE

AMMAN, JORDAN | 15-17 OCTOBER 2019



ICAO 2019

75 YEARS OF CONNECTING THE WORLD



# ICAO

North American  
Central American  
and Caribbean  
[NACC] Office  
Mexico City

South American  
[SAM] Office  
Lima

ICAO  
Headquarters  
Montréal

Western and  
Central African  
[WACAF] Office  
Dakar

European and  
North Atlantic  
[EUR/NAT] Office  
Paris

Middle East  
[MID] Office  
Cairo

Eastern and  
Southern African  
[ESAF] Office  
Nairobi

Asia and Pacific  
[APAC] Sub-office  
Beijing

Asia and Pacific  
[APAC] Office  
Bangkok



## THANK YOU



ICAO 2019

75 YEARS OF CONNECTING THE WORLD

الإيكاو ٢٠١٩

٧٥ عاماً

من الربط بين أرجاء العالم

