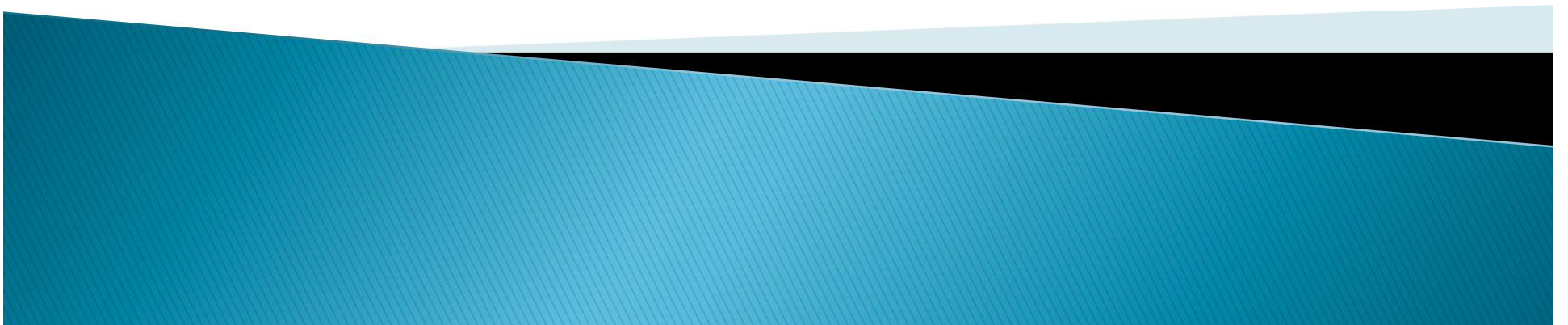


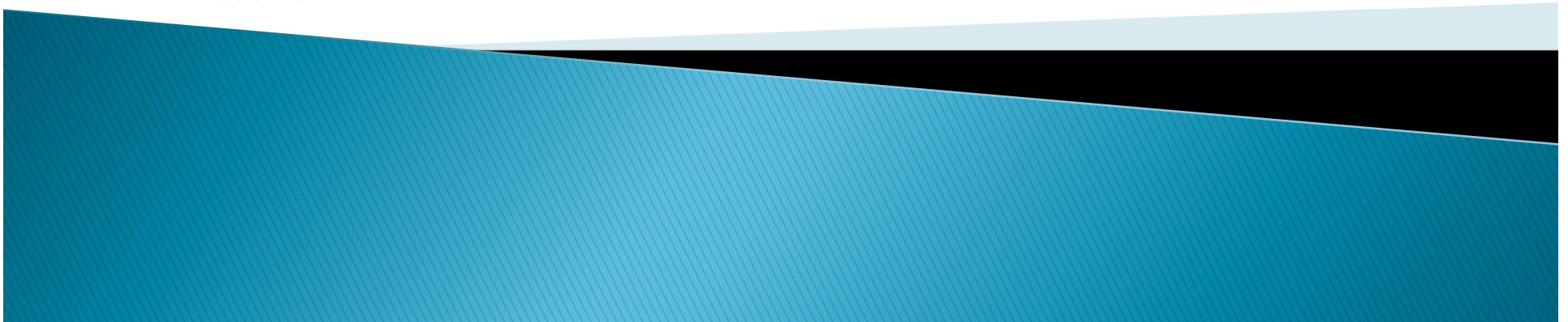
# Aviation Partnership Project Workshop on Cyber Security in Aviation



# Workshop 1

## Cybersecurity from the Global aviation perspective

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Legal Consultant on the Cyber Threat in  
Aviation



- ▶ In order to fully understand the cybersecurity risks faced by the international community



Understand  
Characteristics of the  
threat



# What is a Cyber threat?



unlawful  
attack

Of a **critical**  
infrastructure

against a  
computer  
network

# Why is Cyber a New Threat?



Automation and  
connectivity

Increase of  
dependency on IT



Cyber Crime/  
Hacking

Cyber  
Terrorism

# crimes committed through a computer

## Cyber crime / Hacking

No intention to create  
fear

## Cyber terrorism

specific intent to create  
fear

the end result could be  
more serious and  
damaging

Cyber 9/11



# Who?

Who?	Why?	How?
Activists (insider threat)	Reputational damage	Disruption of operations Destruction of data Publication of sensitive data Media attention
Criminals	Financial gain	Ransoming stolen data
Terrorists	Political reasons	Disruption to economies and critical infrastructure

# Advantages of Cyber over 'Traditional' Threats?



# Advantages

Anonymity

Perform the act in the comfort of his own house –  
No longer a suicidal mission

Computer + internet connection +  
hacking skills

# Cyber Risk Management

Training of  
key players

Security  
assessment  
to identify  
weaknesses

Best practices

Table Top

implement  
technical  
measures

Incident  
response  
plan

Media

# Safety and Security culture

- Cyber security should be considered at all levels of the company,

- Values

- everyone matters



# 9/11 Commission's Report



highlighted failures present in  
the US aviation security

The main failure?

# 9/11 Commission's Report

highlighted failures present in  
the US aviation security

**FAILURE OF IMAGINATION**



# 9/11 Commission's Report





# Cyber Resilience...



Proactive vs  
Reactionary



One step  
ahead

A white commercial airplane is shown in flight, viewed from a low angle. The plane is moving from the bottom left towards the top right. The sky is a clear, bright blue, and there are several large, fluffy white clouds scattered across the upper half of the image. The lighting is bright, suggesting a sunny day.

Thank you!

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