



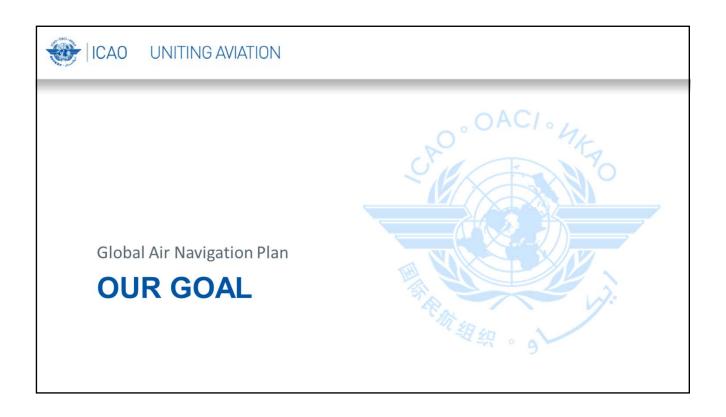






## Flight Plan

- Our goal
- Trends and emerging opportunities
- The air navigation system ahead of us
- Evolutionary transformation
- Scalable implementation
- Conclusion











#### A NEW ERA IN AVIATION

- Technology and information
  - Autonomous systems
  - Artificial intelligence







#### A NEW ERA IN AVIATION

- Technology and information
  - Full connectivity

"ANYTHING THAT CAN BE CONNECTED"





#### A NEW ERA IN AVIATION

Humans





#### A NEW ERA IN AVIATION

Business Models







Global Air Navigation Plan

# THE AIR NAVIGATION SYSTEM AHEAD OF US

Eighth Meeting of the North American, Central American and Caribbean Directors of Civil Aviation (NACC/DCA/08)
Ottawa, Canada, 31 July to 2 August 2018



## A high-performing Air Navigation System

Global interoperability	Ensure global interoperability
Access and equity	Access and equity to all airspace users
Capacity	Capacity to accommodate forecast demand
Efficiency	Increase efficiency of air operations
Flexibility and predictability	Enable flexibility to meet arrival times
Sustainability	Secure air navigation system sustainability
Resilience	Resilience to cope with system disruptions





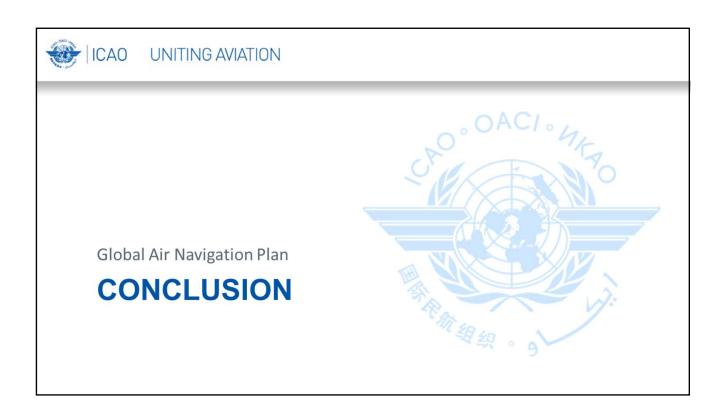
### **Key Concepts**

- Management by trajectory
- Information sharing
- Network and flight centric
- Integrated infrastructure
- Multi-modal transport system

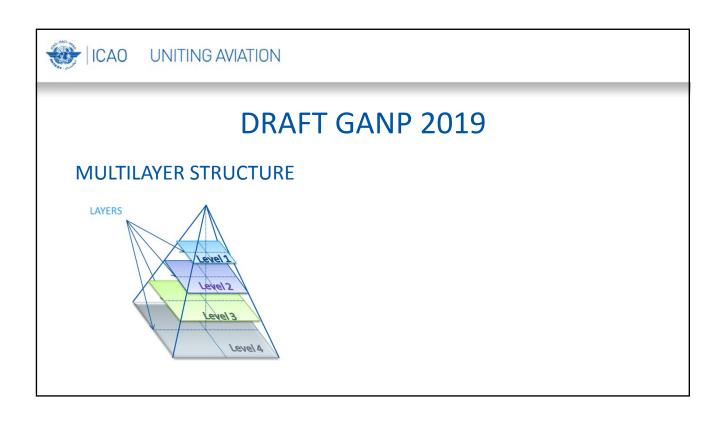
















Global Aviation Safety & Air Navigation Updates

## GANIS/SANIS – GLOBAL PLANNING FOR THE 40<sup>TH</sup> ASSEMBLY

