

KENYA CIVIL AVIATION AUTHORITY

**ROLE OF CIVIL AVIATION AUTHORITIES IN
ENHANCING SAFETY**

27TH OCTOBER 2010

INTERCONTINENTAL HOTEL NAIROBI

**ENABLING POLICY, LEGISLATIVE AND
REGULATORY FRAMEWORK**

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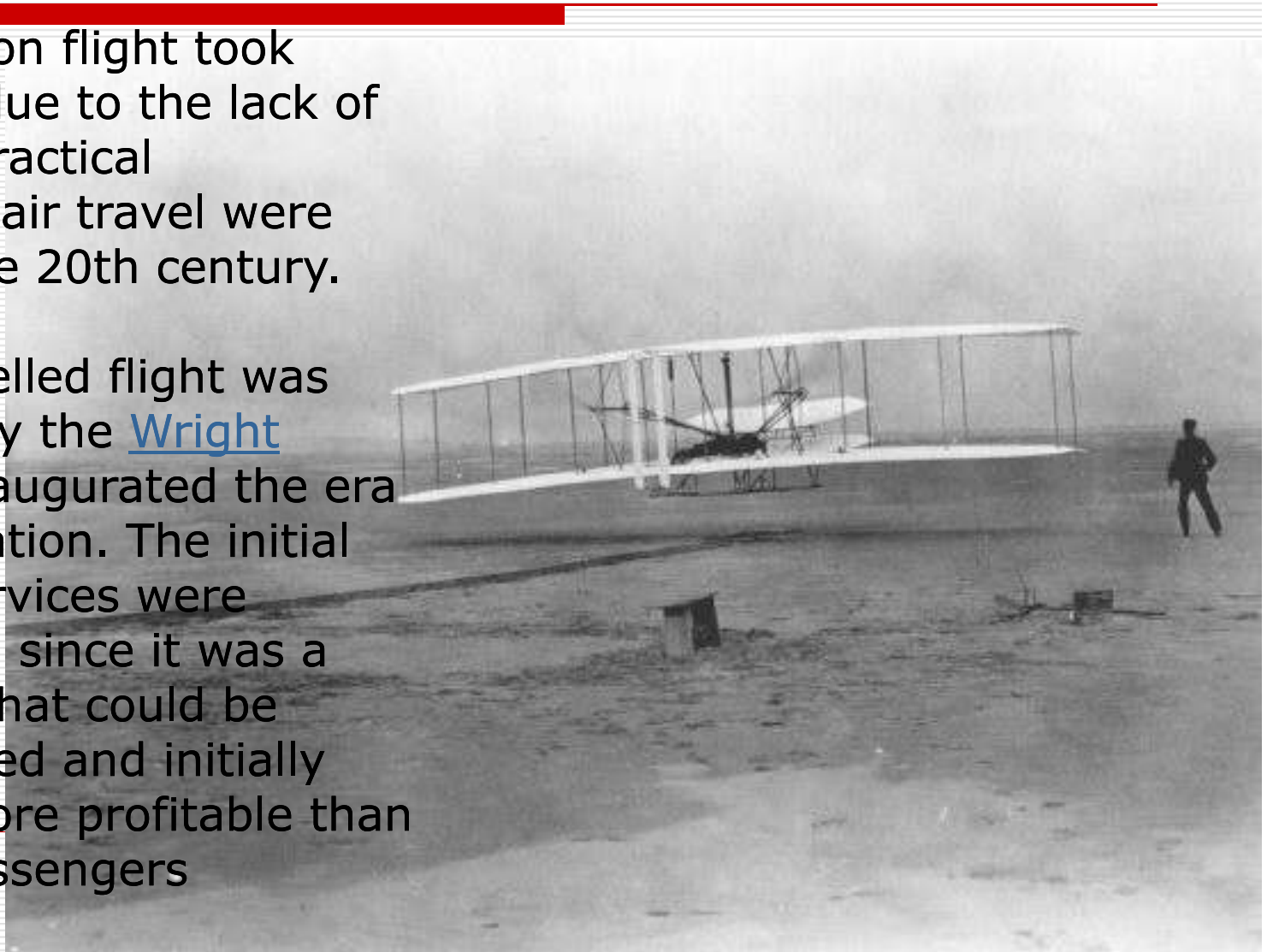
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KENYA CIVIL AVIATION
AUTHORITY

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ROLE OF CIVIL AVIATION AUTHORITIES IN ENHANCING SAFETY

- The first balloon flight took place in 1783, due to the lack of propulsion no practical applications for air travel were realized until the 20th century.
- The first propelled flight was made in 1903 by the [Wright brothers](#) and inaugurated the era of air transportation. The initial air transport services were targeted at mail since it was a type of freight that could be easily transported and initially proved to be more profitable than transporting passengers



ROLE OF CIVIL AVIATION AUTHORITIES IN ENHANCING SAFETY

- ➔ The period before the Second World War brought the global expansion of civil aviation.
- ➔ By 1939 almost the entire world was covered by an inter-connecting air transport system organized by 10 world airlines and 19 intercontinental air routes

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- ➔ The end of the Second World War marked the beginning of the new era of rapid growth of civil aviation based on bigger and better airplanes, offering safer and cheaper commercial air transport. The age of modern civil aviation had taken-off

ROLE OF CIVIL AVIATION AUTHORITIES IN ENHANCING SAFETY

- Rapid change in technologies
 - ADS-B, ADS-C, DATA Links, PBN, MLAT, AIM
- Rapid change in Concepts
 - ATN, RVSM, NextGen, SMS, Just culture, USOAP, CMA, Single Sky, Open Sky, GANP, GASP, GASR, CDA

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- Multiplicity of airlines, airport operators, general aviation, cargo aircraft operators, security agencies, air-travel operators, pilots, flight engineers, navigators, cabin crew, air traffic controllers, e.t.c.
- Need for an autonomous regulatory authority to act as a watch dog, a facilitator, to enforce minimum standards for all agencies, settle disputes and level playing field for all agencies.

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- ✈ There is need for policy guidelines for the orderly development of domestic and international air transport industry in a healthy competitive environment.
- ✈ Accordingly, the Civil Aviation Authorities have to prepare a framework of policy for air transport services keeping in view the various parameters.

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The Chicago Convention

- Signed on 7 December 1944 by 52 States
- Provisional International Civil Aviation Organization (PICAO) functioned from 6 June 1945 until 4 April 1947
- ICAO came into being on 4 April 1947
- In October of the same year, ICAO became a specialized agency of the United Nations linked to the Economic and Social Council (ECOSOC)

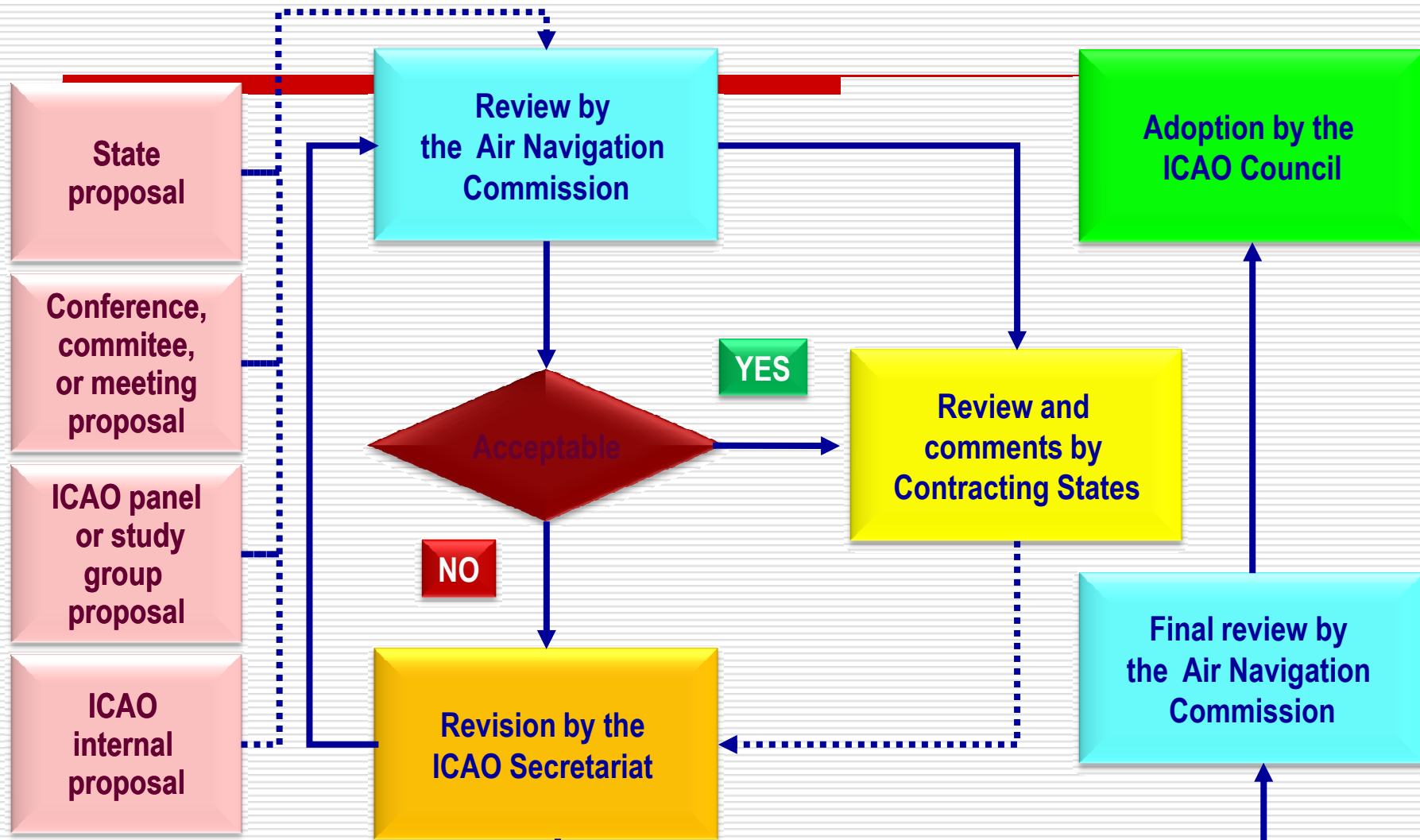
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- The Chicago Convention is based on principles of
 - equality
 - State responsibilities for the common good
 - accountability
- Defines actions required to be implemented by Contracting States to ensure safety and security of international air transport operation
- Contains the basic foundation for safety oversight activities
- Requires States to implement international Standards and Recommended Practices adopted by the Council

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- SARPs
- Standards and Recommended Practices (SARPs) are set out in **18 Annexes to the Chicago Convention**
- They govern the performance of airline pilots, flight crews, air traffic controllers, and ground and maintenance crews; the carriage of dangerous goods by commercial aircraft; security requirements and procedures at international airports; the interdiction of illicit drug transportation by air; and meteorological services for international air navigation. Aeronautical telecommunications; search and rescue; aircraft accident investigation; aeronautical information services; and environmental protection are also ICAO's responsibility.

Preparation of SARPs



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- ✈ How do we enforce these standards?
 - ✈ Need to be incorporated into local laws
 - ✈ Need get support of stake holders

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- The role of the CAA is primarily to function as the regulatory organization responsible for safety oversight and economic regulation of the aviation industry throughout the territory and to ensure that industry conforms to the standards and recommended practices of the International Civil Aviation Organization (ICAO).

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- The **Civil Aviation Authority (CAA)** is the regulator for the civil aviation sector, in compliance with the law, standardisation and the international treaties to which the State is signatory.
- The CAA is responsible for promoting
 - aviation safety,
 - Regulations
 - Oversight
 - Conduct safety audit including flight inspection.
 - Airworthiness
 - Flight Operations
 - ATOs
 - AMOs
 - Monitoring

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- development,
 - Infrastructure
 - CNS
 - Airspace
 - Aerodromes

- aviation transport services,
 - demonopolise the air transport services and enable private operators to provide scheduled and adhoc air transport services.
 - Ensure that there are no unfair trade practices and market dominance



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- environmental impact;
- implementing government policy concerning civil aviation,
- Aviation security
 - Conduct security audit.

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- Set the standards for various agencies and personnel of civil aviation sector
- Issue license to these agencies and personnel
- Regulate tariff
- Take appropriate preventive/corrective/punitive action against the agencies and personnel for violation of set rules

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✈ Existing Challenges

- ✈ Lack of trust in government
- ✈ Financial misconducts
- ✈ Lack of well-established and regulated national aviation sectors
- ✈ Lack of independent CAAs /ANSPs
- ✈ National CAAs' maturity level (risk of swinging from under-regulation to overregulation)
- ✈ Extreme poverty in some areas / sub-regions

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- Low level of regulatory oversight / low level of compliance with regulations
- Shortage of qualified CAA personnel for safety
- Insufficient regulatory oversight in certification of operators
- Insufficient regulatory oversight in continued airworthiness of aircraft
- Low level of aviation activity (difficulty to maintain skills due to lack of exposure)
- Financial constraint

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- ✈ Risks of not sticking to regulations:-Africa
 - ✈ Increase in incidences
 - ✈ Increase in fatal accidents

THANK YOU