Session 8
Capacity Building, crucial key for human Resources Development for the Next Generation of Aviation Initiatives by AFCAC
Need for capacity-building in African civil aviation sector

- Aviation industry in Africa is undergoing significant growth
- Difficulty meeting human capital demands in civil aviation in Africa, which is impacting:
  - Availability of qualified technical aviation professionals
  - Ability of African States to effectively implement ICAO Standards and Recommended Practices (SARPs) and other Regional programmes and activities
- Need to build capacity in the African civil aviation sector and to enhance the skills of its personnel
Need for capacity-building in African civil aviation sector

The African Union Ministers of Transport recognized the importance and urgency for capacity-building in the African civil aviation sector: Called for the creation of a Human Resources Development Fund
The Establishment of the Human Resources Development Fund (HRDF)

- Initiated by African States
- Through a Declaration at the 3rd Session of the Conference of African Ministers of Transport held in Malabo, Equatorial Guinea, 7 to 11 April 2014.
Objective

- Provide a mechanism which will allow for the collection and use of voluntary contributions from States and other donors to identify and develop opportunities for capacity-building in civil aviation in African States.

- To raise the performance and Security/Safety records of civil aviation in African States
AFCAC entered into partnership arrangements with a few partner organizations and in which fellowship programs are made available to African States either on-site or at the donor country training facilities.

AFCAC will continue providing these fellowship programs in collaboration with States and the respective donor countries. The donor countries and organizations include:

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<tr>
<th>China</th>
<th>Korea</th>
<th>Singapore</th>
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<td>United Arab Emirates</td>
<td>United States of America</td>
<td>EASA</td>
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The European Union-funded CASE Project delivers capacity-building activities in the field of civil aviation security in Africa and the Arabian Peninsula. ECAC (European Civil Aviation Conference) is in charge of its implementation over the course of four years (November 2015-October 2019).

CASE 1 continues until April 2020 and CASE 2 would start during the quarter two (2) of 2020.
Innovation doesn’t wait...

future of flying will be amazing...

<table>
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<tr>
<th>Electric propulsion</th>
<th>Hypersonic travel</th>
<th>Biofuels</th>
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<tr>
<td>Autonomous flight</td>
<td>Biometrics</td>
<td>Connectivity and entertainment</td>
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Innovative technology, data and processes will enable intelligence-driven, risk-based aviation security to be more flexible, adaptable, and robust to detect an evolving range of threats, especially when combined with facility design and architecture.

Ways in which technology will help aviation security innovate for the future:

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<th>Queue Monitoring /Behavioral Analytics</th>
<th>Internet of Things (IoT)</th>
<th>Mobile Applications</th>
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<tbody>
<tr>
<td>Screening Technologies</td>
<td>Biometrics</td>
<td>Drones</td>
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Innovation and Technology challenges

- **Counter-technology** to respond effectively to threats against the aviation industry through the use of innovative technology.

- **Cyber-innovation** to respond to digitalization and sharing of data threats.

- Use of Drones requires **new Air Traffic Management methods and systems**.
## Next Events

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<tr>
<th>Event</th>
<th>Dates</th>
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<tr>
<td>AFCAC-ICAO Joint Workshop on Cyber Security</td>
<td>20 – 24 July 2020 (Dakar)</td>
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<tr>
<td>The 2020 African Drone Forum</td>
<td>05 – 07 February 2020 (Kigali, Rwanda)</td>
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Thank You for your Attention

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