



WORKING PAPER

COUNCIL — SPECIAL MODEL SESSION

**Subject No. XX: Challenges relating to the projected shortages of skilled aviation personnel
The New Generations Initiative and Safety at the International Civil Aviation**

(Presented by Libya)

EXECUTIVE SUMMARY

The International Civil aviation Organization (ICAO) acts as the world centre of States for international civil aviation tasked with the responsibility of formulating policies and developing standards to promote safety for the sector. It undertakes audits and performs studies on effective safety in air transport. The organization also analyses, provides assistance and improves aviation capacity through various activities in collaboration with its member States and stakeholders. Its major goal is to achieve the sustainable growth of the global civil aviation system and maintain Safety at the industry

Action: The Council is invited to:

- a) Facilitate stakeholders forum on safety at the air transport industry
- b) Support the initiative technically and financially
- c) Mobilize states on professionalism at the global air transport system for good safety

<i>Financial implications:</i>	The discussion is based on strategic objective 1(Safety)
<i>References:</i>	<p>Balasubramaniam, Usha. <i>Passengers' Protection and Rights in International Civil Aviation.</i> , 2007.</p> <p>"The Primacy of Climate Change for Sustainable International Tourism." <i>Sustainable Development.</i> 21.2 (2013): 112-121.</p> <p>Mahutga, Matthew, Ma Xiulian, David Smith, and Michael Timberlake. "Economic Globalisation and the Structure of the World City System: the Case of Airline Passenger Data." <i>Urban Studies.</i> 47.9 (2010): 1925-1947.</p> <p>Nakamura, Hiroko, Yuya Kajikawa, and Shinji Suzuki. "Innovation for Sustainability in Aviation." (2012).</p> <p>Prokop, Darren. "Green Logistics and Supply Chain Management." (2011). Print.</p> <p>Rhoades, Dawna L. <i>Evolution of International Aviation: Phoenix Rising.</i> Aldershot: Ashgate, 2008.</p> <p><i>2006 Atrs World Conference.</i> Vancouver, BC, Canada: Air Transport Research Society, 2006.</p> <p><i>Passengers' Protection and Rights in International Civil Aviation.</i> McGill University, 2007.</p>

1. INTRODUCTION

1.1 Research has indicated that there is an anticipated shortage of skilled aviation professionals that is about to happen very soon. ICAO has recently launched an initiative that is set to facilitate efficient safety. The Next Generation of Aviation Professionals (NGAP) idea is very critical as it ensures that qualified and competent aviation experts are available to manage and maintain the coming international air transport system. Globally, stakeholders are uniting towards improvement of the transport sector. Different states are required to facilitate technical and financial support of NGAP initiatives. The ICAO council is the key body in the implementation of several NGAP ideas that will improve air transport in the world. It considers safety, skills, sustainable development and efficiency in the air transport industry. Therefore, the NGAP initiative in international aviation is critical towards promoting security at the transport and environmental conservation

2. BACKGROUND

2.1 Various strategic initiatives have been considered to improve the global aviation services. The new generation of experts are being given improved knowledge and capacity strength to maintain the industry well. They are getting experience on improved technology at the transport sector and safety at the industry. The NGAP initiatives are also fundamental in economic development at the air transport sector and environmental conservation. Therefore, the initiative is all round and critical for sustainable growth of the transport sector. Several sections within the ANB and all the regional offices through regional aviation safety groups (RASGS) should be given priority in decision making. Bottom up approach is required for good safety rules.

2.2 Another body to be consulted is the planning and implementation groups (PIRGS) that include states and aviation partners within a defined region.

3. CONSIDERATION OF ISSUES

3.1 Aviation safety is at the centre of ICAO's fundamental strategies. The Organization is constantly working in close collaboration with the whole air transport community in order to improve a successful safety performance. It is also striving towards maintaining a high status of capacity and efficiency of relevant team players. This goal is achievable through:

1. The formulation of global strategies concerning the Aviation Safety and the Air Navigation Plans

2. The effective implementation of standards and recommended practices and safety measures that are contained in 17 Annexes and 4 PANS, supported by at least 50 manuals and circulars providing guidance elements and acceptable means of compliance.

3. The monitoring of safety and air navigation trends. ICAO should audit the implementation of organizational Standards and Recommended Practices. It should also facilitate Procedures through the Universal Safety Oversight and Audit Programme. The Council should require the Secretariat to develop sophisticated guidance to collect, evaluate and analyse a growing number of aviation data allowing identification of the existing and ongoing risks

4. The implementation of State Safety Programmes (SSP) and the Global Aviation Safety program (GASP) to reduce deficiencies.

5. An effective response to challenges of the aviation system developed by natural disasters and conflicts.

3.2 The Air Navigation Bureau should manage the Safety Infrastructural strategies of ICAO in the collaboration with aviation stakeholders. This duty should be carried out within the following elements: safety and infrastructure observation, safety and infrastructure examination, policy and regulation, and safety and infrastructure implementation. Additionally, the ICAO council should work in hand with ANB in response to crises and challenges in the transport industry.

4. FINANCIAL IMPLICATIONS

4.1 It was agreed at least USD 50000 would facilitate the NGAP activities. Some of the safety activities would be funded by external donors and potential savings from the industry. The stakeholders would also be required to contribute at least 40% of the required budget. The NGAP secretariat would be required to provide both financial and technical support towards the implementation of the planned activities.

5. ACTION

5.1 The ICAO council is given the duty of promoting new principles at the industry. It should support efficient technology and training models globally for efficiency at the air transport industry and improved safety at the air transport sector.

5.2 The council should be innovative and introduce ideas that would be acceptable and important to the community concerning professionalism at the industry in the whole world.

5.3 The ICAO council should be at the forefront in formulation of a work plan aimed at good ethics at air transport industry and efficient performance by the employees internationally.

5.4 It is the duty of ICAO council to ensure and mobilize the member states to implement the new initiatives to improve the safety, knowledge and sustainable development of the transport sector.

6. CONCLUSION

6.1 In conclusion, in all of the highly coordinated activities, ICAO council should strive to implement practical measures and improve safety, capacity and efficiency in all sectors of the air transport. This would ensure that aviation's complimentary goals of a remarkably secure and efficient transport network continue to play a fundamental role in promoting a global social and economic growth. The safety and infrastructure policy of an organization is fundamental and should be considered in the implementation of development activities. The standardization strategy is also necessary to ensure quick implementation and achievement of desirable goals of an organization. The air navigation bureau plays important role in the international air transport. It develops and maintains the world aviation safety plan, air navigation plan and sustainable growth of the industry. Various stakeholders are essential for efficient development and growth of the transport sector, safety and professional development. The aviation

problems are often challenging and need a multi-disciplinary response that is well coordinated and all stakeholders taking their great roles. The council should be the lead player of the new generation aviation initiatives and accommodate global stakeholders. In conclusion, safety is very required in the air transport industry for efficient performance.