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Agenda Item 10: Other Business

SPECIALIZED HUMAN RESOURCES CAPACITY BUILDING FOR AVIATION SECTOR

(Presented by Dominican Republic)

EXECUTIVE SUMMARY	
<p>Dominican Republic has achieved a great leadership, as well as national and international recognition for the high quality of the academic programs offered and for the continuous contribution to States through cooperation agreements oriented to the training of specialized technical personnel and also, on the other hand, by the support to the different initiatives and programmes sponsored by the ICAO. Also, the Dominican Republic has the commitment of supporting the regional aviation sector by collaborating with other States through benchmarking and the exchange of experiences and good practices.</p>	
<i>Strategic Objectives:</i>	<ul style="list-style-type: none">• Safety• Air Navigation Capacity and Efficiency• Security & Facilitation• Environmental Protection
<i>References:</i>	<ul style="list-style-type: none">• 2016-2030 Global Air Navigation Plan (Doc 9750), Fifth Edition• NAM/CAR Performance Based Navigation Regional Implementation Plan (RPBANIP) v4.0 – 2018.• CMDN Performance Based Navigation (PBN) Management.• TRAINAIR PLUS (TPOM) Operations Manual, 2018. Fourth edition.• The ICAO Next Generation of Aviation Professionals (NGAP) Programme. Working paper presented by the Dominican Republic, Assembly – 39th Session (A39-WP/329).

1. Introduction

1.1 The Academia Superior de Ciencias Aeronáuticas (ASCA) has designed more than 100 academic programs related to the specialties certified by the TRAINAIR programme, which include air navigation, flight safety and safety management. These programs are presented in the modalities of CMDN, basic courses, advanced courses, seminars and workshops, which are offered to air navigation services providers, aircraft and airports operators, Civil Aviation Authorities and other entities in the sector. In this sense, and complying with one of its main objectives of addressing the training demand of the local and regional aviation sector, recently has designed and is within the validation process through the TRAINAIR PLUS programme, the CMDN Performance Based Navigation Management (PBN).

1.2 In order to maximize the impact of training both nationally and regionally, and with the awareness that through collaboration and joint cooperation is possible to obtain results in a more effective way, the Instituto Dominicano de Aviación Civil (IDAC), through the intermediary of the ASCA as its training arm, has signed cooperation agreements that have enabled the consolidation of alliances with the aim of carrying out activities that allow, through joint efforts, the establishment of a formal link of collaboration for the promotion and exchange of experiences in areas related to education and instruction, as well as courses delivery and training program design, including agreements with local universities.

1.3 The Dominican Republic has been declared by ICAO as a Champion State due to the satisfactory complying level on its condition of air navigation services provider, on the percentages results of the Universal Safety Oversight Audit Programme (USOAP). At the time of receiving this recognition, the country has assumed the challenge and the commitment of being a reference to other State in the Region regarding the SARP's implementation, aviation safety management, quality policy, processes design and implementation, aviation training, environmental management, among others.

1.4 The ASCA, representing the Dominican Republic and IDAC, conducts the projects and tasks related to the implementation of strategies that allow achieving the objectives of the New Generation of Aviation Professionals (NGAP) programme at the national level making a part of its Task Force, for which two representatives of ASCA were designated to act as the Dominican Republic experts and advisers on training and capacity building matters in the NGAP Task Force, along with United States, Canada and Brazil, being the only four States representatives of the American continent.

2. Discussion

2.1 *ASCA's Academic offer – Academic programs design to achieve excellence in training and meeting the needs of the aeronautical sector at the regional level.*

2.1.1 In the past 11 years, the Academia Superior de Ciencias Aeronáuticas (ASCA), as a TRAINAIR PLUS Regional Training Centre of Excellence, has designed more than 100 academic programs related to the specialties certified by the TRAINAIR programme, which include Air Navigation, Flight Safety and Safety Management. These programs are presented in the modalities of CMDN, basic courses, advanced courses, seminars and workshops. These programs are offered to air navigation services providers, aircraft and airports operators, Civil Aviation Authorities and other entities in the sector.

2.1.2 The academic offer of the ASCA has been designed to meet the training needs in the field of air navigation, flight safety and safety management, covering technical-operative subjects, and also management, regulatory, airports and other aviation related specialties. On the other hand, ASCA has the capability to design customized training offers, to answer to specific training needs presented by our clients.

2.1.3 Over the 11 years of operation, the ASCA has delivered more than thirty (30) training programs with international partners such as the International Civil Aviation Organization (ICAO), the Federal Aviation Administration (FAA), the International Association of Air Transport (IATA) and Services and Studies for Air Navigation and Aviation Safety (SENASA), resulting in more than 650 participants at local and regional level in academic programs delivered with this modality.

2.1.4 Between 2008-2018, more than 9,000 continuing education certificates and more than 250 Aerodrome Air Traffic Control and Aviation Administration Associate Degrees certificates were issued.

2.1.5 With the objective of promoting aviation safety and training sufficient and qualified technical personnel for the aviation sector to respond to the forecasted growing demand at the regional level, and supporting the strengthening of the air navigation structure enabling the air navigation services providers capacity building, the ASCA has recently designed and is within the validation process through the TRAINAIR PLUS programme, the CMDN Performance Based Navigation Management (PBN). The overall objective of this course is to provide the personnel involved in activities and projects of the PBN management of the knowledge, skills and attitudes to use and apply competently the various tools in the management under defined standards and recommended in the relevant ICAO documents and regulations of the regional air navigation plans.

2.2 Cooperation Agreements with Civil Aviation Authorities and Air Navigation Services Providers in the Region.

2.2.1 The cooperation agreements signed by the Instituto Dominicano de Aviación Civil (IDAC) for the provision of aviation training, assistance and technical assessment have been implemented through the ASCA with the aim on delivering training programs for the Civil Aviation Authorities and Air Navigation Services Providers technical personnel, according to the specific training needs of such entities and the specific structure of their air navigation systems.

2.2.2 Among the referred agreements we can highlight those signed with: Panama Civil Aviation Authority, Jamaica Civil Aviation Authority (JCAA), The Civil Aviation National Office (OFNAC), Haiti, the Turks and Caicos Islands Airports Authority, among others.

2.2.3 Taking as a reference the cooperation experiences with Panama and Mexican United States, recently was signed an agreement cooperation among the Instituto Dominicano de Aviación Civil and the Paraguay Civil Aviation Authority, which establishes a cooperation relationship between both States to address matters related to aviation training, aviation safety strengthening, inspection and supervision of aviation activities and technical staff allocation.

2.3 Cooperation Agreements with local universities

2.3.1 On April 2016, an interinstitutional agreement among the IDAC and the Universidad Nacional Pedro Henríquez Ureña (UNPHU) was signed with the main objective of presenting the first Aviation Management Bachelor's Degree in the country, which will be ready to deliver in the upcoming months. As well, as a result of this agreement, actually is being delivered the Aviation Management Diploma, on its fourth version.

2.3.2 The IDAC, on the other hand, signed an interinstitutional cooperation agreement with the Universidad APEC (UNAPEC) through which both academic institutions will provide each other support on delivering aviation related academic programs. As a result of this agreement, a Drone Operations in Dominican Republic Seminar was delivered in 2016. Actually, an Aviation Law Diploma is being delivered, on its second version.

2.3.1 The IDAC and Universidad del Caribe (UNICARIBE) signed a training agreement, through which the technical and administrative staff of the Civil Aviation Authority of the Dominican Republic could have access to bachelor's and master's degrees and other higher education programs available on the referred university, with preferential economic facilities. Besides, ASCA is providing technical support regarding the design and delivery academic programs related to the aviation sector.

2.4 Champion State and Benchmarking with other States

2.4.1 The Dominican Republic, as an ICAO Champion State, has opened the doors of the Dominican air navigation system for making benchmarking with other States in the Region, such Panama, Chile, Jamaica, Haiti, Paraguay, Turks and Caicos Islands, Costa Rica, Cuba, Honduras, Grand Cayman and Bahamas.

2.4 NGAP Task Force. NGAP Strategy Implementation Guides.

2.4.1 In 2016, the Dominican Republic oriented its collaboration with the NGAP Programme with the publication of the working paper Action Plan Implementation Proposal for a Promotion Plan related to the aviation careers as part of the NGAP Programme (A/39-WP329), presenting a conscious analysis over the need of an action plan that could guide the States on the development of strategies involving the Civil Aviation Authorities with the training centres and entities with the objective of promoting aviation careers and activities.

2.4.2 In this regard, the task force is concentrating its efforts to develop implementation guides for both regional and national NGAP strategies, whose purpose is to guide States by presenting the available tools and the required structure to develop a successful implementation that will end up with significant results in the short, medium and long term.

3. Conclusion

3.1 As an educational institution focused in specialized technical training in the Dominican Republic, the ASCA has as a priority the use of all the available tools at a local and regional level, to ensure cooperation, integration and growth of the States of the Region, especially on aspects related to capacity-building in technical personnel to generate on sufficient proportion trained staff to answer to the demand in the aviation sector facing the forecasted growth of air operations worldwide, contributing to the elevation of complying levels and standards of the regional air navigation system.

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