



**WORKING PAPER**

**NEXT GENERATION OF AVIATION PROFESSIONALS  
TASK FORCE (NGAP TF)**

**FIRST MEETING**

**Montréal, Canada, 18 to 22 1 February 2019**

**Agenda Item 3.2: Review of the previous work**

**NGAP Outreach Pilot Programme on Aviation Industry Jobs & Science,  
Technology, Engineering (AIJ) & Mathematics (STEM)**

(Presented by the NGAP Sri Lanka)

**SUMMARY**

This paper presents the new NGAP outreach pilot programme (Competition) on AIJ and STEM successfully conducted for school students on 15<sup>th</sup> September 2018, by the NGAP Sri Lanka Programme, Civil Aviation Authority of Sri Lanka.

Action requested of the NGAP TF is in Paragraph 3.

**1. INTRODUCTION**

1.1 The new proposal on the NGAP Outreach Pilot Programme on Aviation Industry Jobs (AIJ) and Science, Technology, Engineering & Mathematics (STEM), was presented by Mr. Gimhan Dabarera, Secretary of the NGAP Sri Lanka Programme & NGAP National Coordinator representing the Civil Aviation Authority of Sri Lanka (CAASL) as a member of the ICAO NGAP outreach working group at the NGAP 09th Annual Meeting at ICAO Headquarters, in November 2017. (Refer – Item No. 2.11. (f) in the report of 09th NGAP Programme meeting held on 29th November 2017 in Montreal, Canada).

1.2 This proposal was to enhance the awareness of school students about Aviation Industry Jobs (AIJ) and STEM (AIJ-STEM). The proposed approach is to create an AIJ-STEM competition which demonstrates 11 aviation related job roles and exposes the students to STEM via the building and flying of a standard model airplane.

1.3 Travel Agent to cabin seating was shown on the passenger side. The model airplane was used to demonstrate airline, airport and air traffic control operations from maintenance release, to flight dispatch, to take off, flight and landing.

1.4 Then ICAO NGAP unit requested Sri Lanka to organize this outreach programme as a pilot programme by the end of September 2018 & report to the ICAO NGAP unit.

1.5 The pilot programme was included in the ICAO NGAP annual work plan of 2018. (Refer – Item No. 2.11. (f) in the report of 09th NGAP Programme meeting held on 29th November 2017 in Montreal, Canada).

## 2. DISCUSSION

2.1 The pilot programme consisted of 99 school students (age group 14 – 19 years), and they were divided in to 9 teams. Each team consisted of 11 students, and they learned the job roles listed below, and had to answer questions based on the Learning Management System (LMS) developed by NGAP-SL:

1. Travel Agent
2. Aviation Security Officer
3. Ground Handling Agent
4. Cargo Service Agent
5. Airport Duty Manager
6. Flight Operations Officer
7. Aircraft Maintenance Engineer
8. Civil Aviation Inspector
9. Air Traffic Controller
10. Cabin Crew
11. Pilot

2.2 Inaugural Ceremony was conducted on 31<sup>st</sup> August, 2018 to introduce the new NGAP Outreach Pilot Programme (Competition) to the students (male and female).

2.3 A visit to BIA (Bandaranayke International Airport) was organized for the participants, competition judges and CAASL NGAP volunteers.

2.4 The competition was successfully conducted on 15<sup>th</sup> September, 2018 at a school playground and classrooms.

2.5 The Award Ceremony was held on 04<sup>th</sup> October, 2018 at the CAASL with the participation of the Chairman, DGCA and Senior Directors.

2.6 The YouTube link of the programme is shown below.

<https://www.youtube.com/watch?v=Js0CygKISno>

**3. ACTION BY THE NGAP TF**

3.1 The NGAP TF is invited to:

- a) review the content of this paper;
- b) propose to introduce this NGAP outreach programme (Competition) on (AIJ-STEM) among other States; and
- c) if the NGAP TF agrees to introduce this AIJ-STEM competition to States, the NGAP -TF could appoint a group/sub-group to make guidelines for this programme based on the pilot programme organized by the NGAP Sri Lanka. Also this programme could be focused on No. 01 objective of the NGAP Frame Work “Attract”.

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