Next Generation of Aviation Professionals (NGAP)
Attracting, educating, training and retaining aviation professionals
www.icao.int/ngap

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Director, Air Navigation Bureau

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Next Generation of Aviation Professionals (NGAP)

- Launched to ensure that enough qualified and competent aviation professionals are available to operate, manage and maintain the future international air transport system.
- Develop strategies, plans, best practices, tools, and guidance to assist the global aviation community in attracting, engaging, educating, training and retaining the next generation of aviation professionals.
- Outreach for attracting youth, from pre-school to university, into aviation education and professions, by promoting aviation career opportunities, at global, regional and national levels.
- Unite aviation and education sectors to implement NGAP strategies and plans at national levels.
NGAP Contributing Organizations

States / Regulatory Authorities

International Organizations

Education / Training Providers

Industry/Others
NGAP Programme Organization

NGAP Management Group
Working Group Chairs/Vice-Chairs & Partner Organization Focal Points
(Universities, Training Centres, International Organizations)

ICAO Bureaux/Offices
(ANB, ATB, GAT, HR, SPCP)

Strategies and Planning Working Group
Chair: Diana Dumitrache

Outreach Working Group
Chair: Lori Brown

Implementation Working Group
Chair: Mary Nelson

ICAO Regional Offices
NGAP Coordinators

Communications and Publicity Subgroup
Vice-Chair: Suzanne Kearns

Events Subgroup
Vice-Chair: Lynne McMullen
NGAP Timeline (2009 – 2011)

- 2009
  - Discuss impending shortage of aviation professionals.
  - Created the Next Generation Aviation Professionals Task force, NGAP.
- 2010
  - 1st NGAP Task Force Meeting
  - IFALPA, IATA, IFATCA, IFATSEA, ACI, CANSO, FSF, Aviation Accreditation Board International (AABI)
  - 1st NGAP Symposium Roundtable
  - Raised global awareness of international community.
- 2011
  - 2nd NGAP Task Force Meeting
  - Created several working groups to support work, such as Accreditation, Pilot and Air traffic controller competencies, Reaching out to the next generation
  - Partner with Halldale Media Group to support NGAP issues.
  - Developed closer links with several key organizations and the aviation training community to support NGAP activities.
  - Raised awareness with its partners, consolidated the NGAP Task Force and promoted work of ICAO.

World Aviation Training Conference

Halldale Media Group
NGAP Timeline (2011 – 2015)

- Published ICAO Document that provides a 20 year forecast on expected shortages of professionals.
- Raised awareness.
- Received over 50 videos from around the world from the next generation.
- Engaged the next generation through submitting videos.
- Provided data on impending shortages of maintenance, personnel, pilots, and controllers.
- Mobilize resources with partners for NGAP deliverables.
- Developed closer links with several key organizations and aviation training community to support NGAP activities.
- Concept of NGAP Index.
- List of Aviation Tertiary Education Directory.
- Formalized NGAP Task Force Working Group deliverables.
- 3rd NGAP Task Force Meeting.
- 4th NGAP Task Force Meeting.
- 5th NGAP Task Force Meeting.
- Presentation of NGAP Index.
- Roll-out of ATC Competencies.
- Workshop for ATCOs and ATSEP.
- Establish a partnership to support NGAP activities.
- Work Programmes under development:
  - Provision of guidance and training manuals for ACCOs and ATSEP.
  - Regional ATCO and ATSEP Workshops.
  - Raise awareness through outreach events.
  - Foster partnerships.

2012 2013 2014
Recent NGAP Developments (2016 – 2017)

- Established as ICAO Programme, inclusion in GANP & GASP, Assembly Resolution
- Outreach activities and communications including:
  - Website; Newsletters; Training Reports
  - Inclusion in Global and regional training conference programmes
  - Collaboration with IPTA to promote best practices for pilot careers
- Supported Dream Soar Initiative
- NGAP Global Summit & Model ICAO Forum
- New Fundamentals of the Air Transport System course
- New Aviation Training and Education Directory
- Updated aviation personnel forecasts
- New CBT manuals and regional workshops
NGAP Outreach

NGAP Outreach is being recognized by the International Civil Aviation Organization (ICAO) as a key initiative in the development of the aviation sector. The initiative aims to ensure that the Next Generation of Aviation Professionals (NGAP) are adequately trained and prepared to meet the demands of the aviation industry.

In this edition:
- NGAP Global Summit (Trent, Canada November 27-28, 2017)
- Training Report

ICO TRAINING REPORT
ENSURING DREAMS TAKE FLIGHT
Attracting, educating and retaining the next generation of aviation professionals.
New NGAP Developments

- Partnerships with UN agencies
- Promoting STEM and Gender Equality
- New Outreach Best Practices Tool
- Planned Outreach Gap Analysis Tool
- Proposed secondary school aviation career opportunities
- New State aviation personnel forecasting tool
- New State aviation safety inspector forecasting tool
- Proposed network for educational institutions with aviation programmes
- New guidance for States to develop national NGAP Strategies and Implementation Plans
- Annual NGAP Summit
THANK YOU!