



Agenda Item 5 Review of other technical matters
5.3 Regional and Global ICAO activities in the AGA field

ICAO HEADQUARTERS AGA SECTION WORK PROGRAMME

(Presented by the Secretariat)

SUMMARY

This paper presents to the Meeting the actual work programme of the AGA Section, Air Routes and Ground Aids (AGA) in Montreal. Furthermore, the Meeting is informed on the Annex 14 amendments and the Technical Working Groups in the aerodromes field and AGA related documents.

References:

- Annex 14, Aerodromes design and operations, Volumes I and II, respectively.
- AN-WP/8379 Working Paper presented to the Air Navigation Commission.

*Strategic
Objectives*

*This working paper is related to Strategic Objective
D.*

1. Introduction

This paper presents to the Meeting the actual work programme in the Aerodromes Section, Air Routes and Ground Aids (AGA) in ICAO Headquarters. In addition, the Meeting is informed on Amendments to Annex 14, Volumes I and II respectively as well as the Technical Working Groups and Aerodromes related manuals.

2. AGA Section Activities in ICAO Headquarters

2.1 The main technical activities in the AGA section in ICAO Headquarters scheduled in a short time period, besides the regular activities programme at the office including meetings, seminars, support to the Air Navigation Commission, data base control, answers to queries, etc., it is presented as follows:

a) ***Annex 14 – Aerodromes; Volume I – Aerodrome Design and Operations and Volume II – Heliports.***

- Amendment 10-A (Annex 14, Volume I, 5th Edition). Definitions of instrument runway and obstacle; certification of aerodromes; aerodrome data; enhanced taxiway centre line marking; mandatory instruction marking; taxiway edge lights; advanced visual docking guidance system; mandatory instruction signs; marking and lighting of wind turbines; public health emergencies in aerodrome emergency planning, rescue and fire fighting; wildlife strike hazard reduction; pavement monitoring and maintenance; chromaticity and luminance factors of green colour in Appendix 1; notes to Figures A2-9 and A2-10 for isocandela diagrams for runway edge lights in Appendix 2; NO ENTRY sign in Figure A4-2 in Appendix 4; guidance on runway surface evenness, location of displaced threshold and rescue and fire fighting in Attachment A. (Applicable 19 November 2009).
- Amendment 4 (Annex 14, Volume II, 3rd Edition). Introductory note; definitions of air transit route, declared distances, dynamic load-bearing surface, final approach and take-off area, helicopter air taxiway, helicopter clearway, helicopter ground taxiway, helicopter stand, helideck, obstacle, protection area, rejected take-off area, shipboard heliport, static load-bearing surface, taxi-route, touchdown and lift-off area, winching area; applicability; physical characteristics for surface-level heliports, elevated heliports, helidecks, and shipboard heliports; obstacle limitation surfaces and sectors and requirements for helidecks and shipboard heliports; winching area marking; heliport identification marking; maximum allowable mass marking; maximum allowable D-value marking; touchdown and lift-off area marking; touchdown/positioning marking; helideck obstacle-free sector marking; helideck surface marking; and helideck prohibited landing sector marking (Applicable 19 November 2009).

b) ***Aerodrome Manuals.***

- Advanced Surface Movement Guidance and Control Systems (A-SMGCS) Manual (Doc. 9830)
- Aerodrome Design Manual (Doc 9157)
 - Part 1 — Runways
 - Part 2 — Taxiways, Aprons and Holding Bays
 - Part 3 — Pavements
 - Part 4 — Visual Aids
 - Part 5 — Electrical Systems
 - Part 6 — Frangibility

- Aeronautical Information Services Manual (Doc 8126)
- Aircraft Type Designators (Doc 8643)
- Airport Planning Manual (Doc 9184)
 - Part 1 — Master Planning
 - Part 2 — Land Use and Environmental Control
 - Part 3 — Guidelines for Consultant/Construction Services
- Airport Services Manual (Doc 9137)
 - Part 1 — Rescue and Fire Fighting
 - Part 2 — Pavement Surface Conditions
 - Part 3 — Bird Control and Reduction
 - Part 5 — Removal of Disabled Aircraft
 - Part 6 — Control of Obstacles
 - Part 7 — Airport Emergency Planning
 - Part 8 — Airport Operational Services
 - Part 9 — Airport Maintenance Practices

c) *Other relevant documents*

- Air Traffic Services Planning Manual (Doc 9426)
- Airworthiness Manual (Doc 9760)
 - Volume I — Organization and Procedures
 - Volume II — Design Certification and Continuing Airworthiness
- Guidance on the Balanced Approach to Aircraft Noise Management (Doc 9829)
- Heliport Manual (Doc 9261)
- Human Factors Training Manual (Doc 9683)
- Manual of Aircraft Ground De-icing/Anti-icing Operations (Doc 9640)
- Manual of Surface Movement Guidance and Control Systems (SMGCS) (Doc 9476)
- Manual on Certification of Aerodromes (Doc 9774)
- Manual on Laser Emitters and Flight Safety (Doc 9815)
- Manual on Simultaneous Operations on Parallel or Near-Parallel Instrument Runways (SOIR) (Doc 9643)
- Manual on the ICAO Bird Strike Information System (IBIS) (Doc 9332)
- Procedures for Air Navigation Services — Aircraft Operations (PANS-OPS) (Doc 8168)
 - Volume I — Flight Procedures
 - Volume II — Construction of Visual and Instrument Flight Procedures
- Procedures for Air Navigation Services — Air Traffic Management (PANS-ATM) (Doc 4444)
- Safety Management Manual (SMM) (Doc 9859)
- Stolport Manual (Doc 9150)
- World Geodetic System — 1984 (WGS-84) Manual (Doc 9674)

d) Technical Working Groups in the Aerodromes field

Technical work programme responsibilities	<ul style="list-style-type: none"> ○ aerodrome planning and design ○ aerodrome certification ○ obstacle restrictions ○ visual ground aids ○ aerodrome services, including rescue and fire fighting, aerodrome emergency planning and aerodrome maintenance ○ impact of new larger aircraft on Annex 14, Volume I specifications on geometric design of runways, taxiways and aprons ○ aspects related to the design, installation, operation and maintenance of visual aids at aerodromes ○ heliport planning and design ○ visual aids for helicopter operations under instrument meteorological conditions ○ design and monitoring of aerodrome electrical systems ○ airport master planning ○ land use and environmental control ○ design, testing and evaluation airport pavements ○ airport surface movement guidance and control systems ○ frangibility requirements for visual and non-visual aids ○ updating the procedures for determining aircraft classification numbers (ACN) of aeroplanes ○ runway surface unevenness ○ bird hazards to aircraft ○ airport operational services <p><i>AGA maintains one computer data base:</i></p> <ul style="list-style-type: none"> ○ ICAO Bird Strike Information System (IBIS) (80 000 bird strike records)
Council committee, AN panels and study groups	<ul style="list-style-type: none"> ○ Visual Aids Panel (VAP) ○ Aircraft Classification Number Study Group (ACNSG) ○ Airport Design Study Group (ADSG) ○ Frangible Aids Study Group (FASG) ○ Rescue and Fire Fighting Study Group (RFFSG)

2.2 The Air Navigation Committee will hold the following meetings:

- ANC/182, in actual activities from 21st September to 13 November 2009.
- ANC/183 from 11 January to 12 March 2009.
- ANC/184 from 12 to 18 June 2009.

3 Conclusion

3.1 This paper presents to the Meeting for its information and reference of the actual activities programme in the Aerodromes Section, Air Routes and Ground Aids in ICAO Headquarters.