



WORKING PAPER

ASSEMBLY — 37TH SESSION

TECHNICAL COMMISSION

Agenda Item 30: Runway safety

COST-EFFICIENCY IN RESCUE AND FIRE FIGHTING SERVICES

(Presented by Colombia)

EXECUTIVE SUMMARY

This working paper seeks to highlight the importance of enhancing the efficiency and bringing down the operational costs of rescue and fire fighting services (RFF), by updating methods and technologies, as a means to improve runway safety. Although cost-efficiency considerations are a constant theme in aviation industry best practices, beginning with technical adaptations, there is no such provision in RFF procedures and technologies, as a reading of Document 9173 and its amendments shows.

Action: The Assembly is invited to:

- a) take note of this working paper;
- b) request ICAO to update Doc 9137, *Airport Services Manual Airport Services Manual, Part I Rescue and Fire Fighting*;
- c) call on experts from each region and from the aviation rescue services sector to participate in the work; and
- d) incorporate human factors and safety elements into Doc 9137, *Airport Services Manual, Part I Rescue and Fire Fighting*.

<i>Strategic Objectives:</i>	This working paper relates to Strategic Objective A.
<i>Financial implications:</i>	
<i>References:</i>	Annex 14 — <i>Aerodromes</i> Doc 9173-AN/898, <i>Airport Services Manual; Part I Rescue and Fire Fighting</i>

¹ Spanish version submitted by Colombia

1. INTRODUCTION

1.1 States need to reduce the operational costs and improve the availability of RFF services at aerodromes without endangering safety, by introducing effective fire-fighting technologies, adopting best practices and methodologies and applying technological developments in the rescue services sector.

2. DISCUSSION

2.1 Greater cost-efficiencies could be achieved in RFF services by updating Doc 9137, *Airport Services Manual, Part I Rescue and Fire Fighting*, Appendix 1 *Aircraft Data for Rescue and Fire Fighting Personnel*, Appendix 2 *Aeroplane Classification by Airport Category*, Appendix 3 *UNI 83 Foam Nozzle*, and other sections on such subjects as instruments, fire fighting vehicle features and operational techniques for fighting fires on aircraft.

2.2 It would be useful in this respect for States to contribute units and personnel specializing in aircraft rescue and fire fighting to assist in developing operational techniques, upgrading the technologies and providing RFF training, as part of the update of Doc 9173 *Airport Services Manual, Part I Rescue and Fire Fighting*.

2.3 Aircraft manufacturers could provide useful assistance in updating Doc 9137, *Airport Services Manual, Part I Rescue and Fire Fighting*, in their area of expertise.

2.4 The same is true with regard to the manufacturers of aircraft rescue and fire fighting vehicles.

2.5 Finally, States could enhance cost-efficiency in RFF by sharing information and best practices.

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