



# Security Manual

Effective October 2016



10<sup>th</sup> Edition

## **NOTICE**

DISCLAIMER. The information contained in this publication is subject to constant review in the light of changing government requirements and regulations. No subscriber or other reader should act on the basis of any such information without referring to applicable laws and regulations and/or without taking appropriate professional advice. Although every effort has been made to ensure accuracy, the International Air Transport Association shall not be held responsible for any loss or damage caused by errors, omissions, misprints or misinterpretation of the contents hereof. Furthermore, the International Air Transport Association expressly disclaims any and all liability to any person or entity, whether a purchaser of this publication or not, in respect of anything done or omitted, and the consequences of anything done or omitted, by any such person or entity in reliance on the contents of this publication.

Opinions expressed in advertisements appearing in this publication are the advertiser's opinions and do not necessarily reflect those of IATA. The mention of specific companies or products in advertisement does not imply that they are endorsed or recommended by IATA in preference to others of a similar nature which are not mentioned or advertised.

© International Air Transport Association. All Rights Reserved. No part of this publication may be reproduced, recast, reformatted or transmitted in any form by any means, electronic or mechanical, including photocopying, recording or any information storage and retrieval system, without the prior written permission from:

Senior Vice President  
Airport, Passenger, Cargo and Security  
International Air Transport Association  
800 Place Victoria  
P.O. Box 113  
Montreal, Quebec  
CANADA H4Z 1M1

# Table of Contents

<b>Foreword .....</b>	1
<b>Introduction .....</b>	3
Objective .....	3
Overview .....	3
<b>Chapter 1—Role of Regulations, Regulators and Regulated Entities .....</b>	5
1.1    Introduction .....	5
1.2    Why this Topic is Important for Aviation Security .....	5
1.3    Understanding Core Elements .....	6
1.4    Summary .....	15
1.5    Chapter Checklist .....	16
<b>Chapter 2—Organization and Management .....</b>	17
2.1    Introduction .....	17
2.2    Why this Topic is Important for Aviation Security .....	17
2.3    Understanding Core Elements .....	18
2.4    Summary .....	23
2.5    Chapter Checklist .....	23
<b>Chapter 3—Security Management Systems .....</b>	25
3.1    Introduction .....	25
3.2    Why this Topic is Important for Aviation Security .....	25
3.3    Understanding Core Elements .....	26
3.4    Summary .....	31
3.5    Chapter Checklist .....	31
<b>Attachment A—SeMS Implementation Plan .....</b>	32
<b>Attachment B—SeMS Dashboard .....</b>	33
<b>Attachment C—Application of SeMS to the Cyber Management Framework .....</b>	34
<b>Chapter 4—Aviation Security Operations .....</b>	43
4.1    Introduction .....	43
4.2    Why this Topic is Important for Aviation Security .....	43
4.3    Understanding Core Elements .....	46
4.4    Summary .....	118
4.5    Chapter Checklist .....	119



<b>Attachment A—Template of the Aircraft Operator Security Program .....</b>	120
<b>Attachment B—Recognition of Equivalence .....</b>	121
<b>Attachment C—Passenger and Baggage Reconciliation .....</b>	122
<b>Chapter 5—Resources Management .....</b>	123
5.1    Introduction .....	123
5.2    Why this Topic is Important for Aviation Security .....	123
5.3    Understanding Core Elements .....	124
5.4    Summary .....	129
5.5    Chapter Checklist .....	129
<b>Chapter 6—Threat and Risk Management .....</b>	131
6.1    Introduction .....	131
6.2    Why this Topic is Important for Aviation Security .....	131
6.3    Understanding Core Elements .....	133
6.4    Summary .....	164
6.5    Chapter Checklist .....	164
<b>Attachment A—Application of Risk Management Concept to Cyber Threats and Risks .....</b>	165
<b>Chapter 7—Management of Emergencies and Incidents (Resilience) .....</b>	213
7.1    Introduction .....	213
7.2    Why this Topic is Important for Aviation Security .....	213
7.3    Understanding Core Elements .....	214
7.4    Summary .....	246
7.5    Chapter Checklist .....	246
<b>Chapter 8—Quality Assurance and Quality Control .....</b>	247
8.1    Introduction .....	247
8.2    Why this Topic is Important for Aviation Security .....	247
8.3    Understanding Core Elements .....	248
8.4    Summary .....	260
8.5    Chapter Checklist .....	261