



**CIVIL AVIATION SAFETY AUTHORITY
OF PAPUA NEW GUINEA**

**SAFETY MANAGEMENT
SYSTEMS IN
PAPUA NEW GUINEA**



Primary Legislation



- ▶ *Civil Aviation Act 2000*
- ▶ *Civil Aviation Act 2010*
- ▶ Civil Aviation Amendment Bill 2015 is APPROVED – to be presented to Parliament

Subordinate Legislation

- ▶ **Civil Aviation Rules**
- ▶ Rule Part 100 – SAFETY MANAGEMENT SYSTEMS/QUALITY MANAGEMENT SYSTEM
- ▶ Now reviewed to accommodate changes in Annex 19



CIVIL AVIATION SAFETY AUTHORITY OF PNG

PNG

Civil Aviation Rules


Part 100

**Safety Management Systems
Quality Management Systems**

Effective 1 January 2011

Advisory Circular

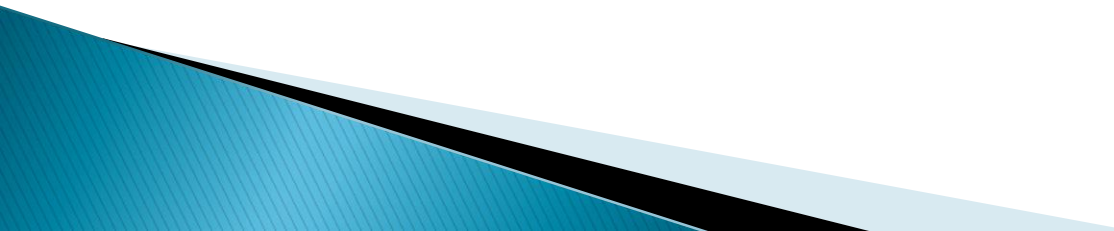
- ▶ AC 100-1
- ▶ Civil Aviation Safety Authority Advisory Circulars (AC) contains guidance materials, information and procedures that the Director has found to be an Acceptable Means of Compliance (AMC) with the associated rule.

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|---|--|
|  CIVIL AVIATION AUTHORITY OF PAPUA NEW GUINEA | Advisory Circular AC100-1 |
| Safety Management Systems | Initial Issue 07 December 2010 |
| GENERAL | |
| Civil Aviation Safety Authority Advisory Circulars (AC) contains information about standards, practices and procedures that the Director has found to be an Acceptable Means of Compliance (AMC) with the associated rule. | |
| An AMC is not intended to be the only means of compliance with a rule, and consideration will be given to other methods of compliance that may be presented to the Director. When new standards, practices or procedures are found to be acceptable, they will be added to the appropriate Advisory Circular. | |
| This Advisory Circular also includes Explanatory Material (EM) where it has been shown that further explanation is required. Explanatory Material must not be regarded as an acceptable means of compliance. | |
| PURPOSE | |
| The purpose of this Advisory Circular is to provide information and guidance relating to safety management system procedures. Organisations seeking certification are required, under Civil Aviation Rules, to have such procedures in place. Any organisation requiring a certificate under Civil Aviation Rules can apply the procedures and practices outlined in this AC. They are equally applicable to flight, maintenance, or security operations, as appropriate. | |
| RELATED CAR | |
| This AC relates to CAR Part 109, Part 119, Part 129, Part 137, the 140-series Parts, and the 170-series Parts. | |
| CHANGE NOTICE | |
| There was no previous issue of this AC, consequently no change is in effect. | |

TOTAL ORGANISATIONS

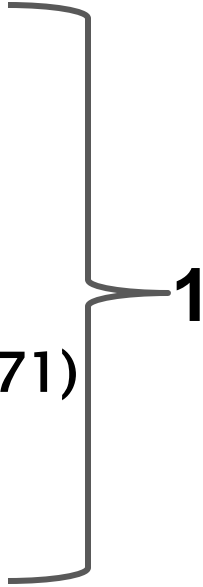
- ▶ 123 CERTIFICATED ORGANISATIONS IN AND OUT OF PNG
- ▶ Air Operator Certificate (119) = 30
- ▶ Maintenance Organisation Certificate (145) =
 - ▶ Local 20
 - ▶ Overseas 13
- ▶ Supply Organisation Certificate (144) = 6
- ▶ Aviation Training Organisation Certificate (141) = 3
- ▶ Aircraft Manufacturing Organisation Certificate (148) = 2
- ▶ Design Organisation Certificate (146) = 7

...cont

- ▶ **Aviation Security Services Organisation (140) = 1**
 - ▶ **Aerodrome Certification & Operation (139) = 31**
 - ▶ **Regulated Air Cargo Agent (108) = 4**
 - ▶ **Aviation Meteorological Service Organisations (174) = 1**
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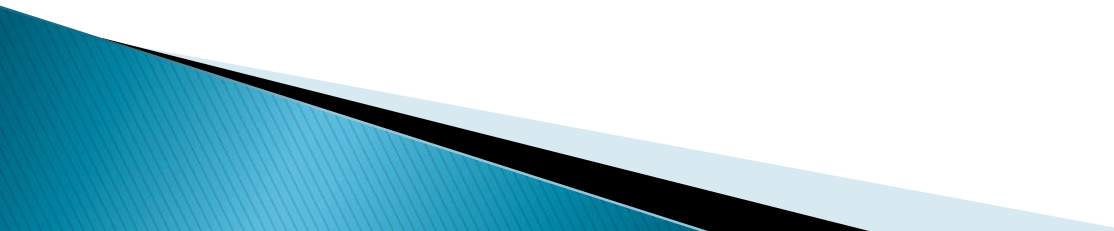
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- ▶ Aeronautical Information Service Organisations (175)
- ▶ Air Traffic Service Organisations (172)
- ▶ Aeronautical Telecommunication Service Organisations (171)
- ▶ **1 organisation holds 3 certificates**
- ▶ Air Navigation Service Organisations (173)

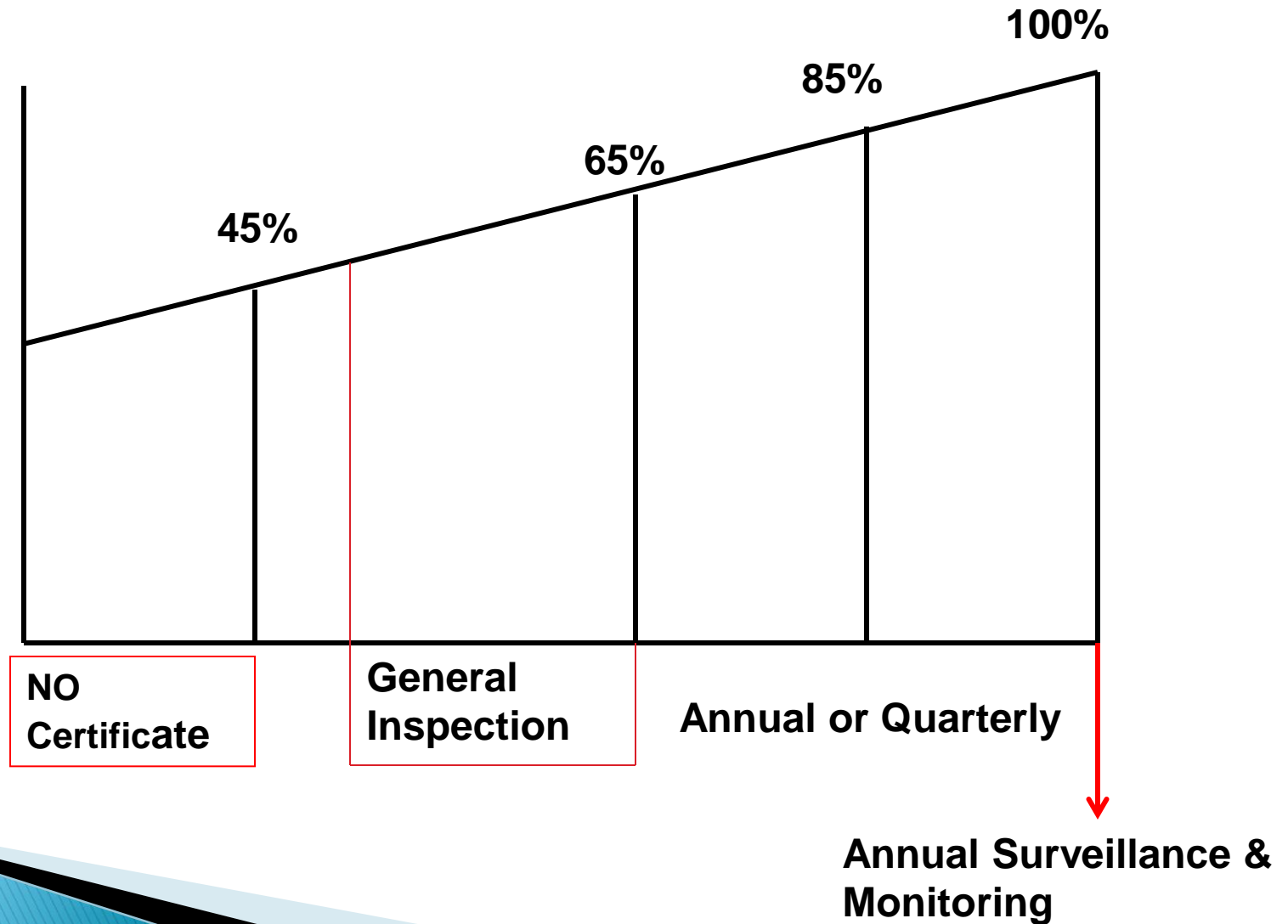


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CASA SMS ASSESSMENT CHECKLIST

- ▶ 100 QUESTIONS BROKEN INTO 3 LEVELS
 - ▶ LEVEL 1 HAS 37 QUESTIONS= 45%
 - ▶ LEVEL 2 HAS 33 QUESTIONS= 65%
 - ▶ LEVEL 3 HAS 30 QUESTIONS= 85%
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CASA SMS ASSESSMENT



SMS CERTIFIED TO DATE

- ▶ **72 PNG ORGS** ARE FULLY MET PART 100 (**59%**)
- ▶ AOC – 30
- ▶ MOC – 20 (Local)
- ▶ DOC – 7
- ▶ SOC – 6
- ▶ ATOC – 2
- ▶ AMOC – 2
- ▶ ASSO – 1
- ▶ ACO – 4
- ▶ **PLUS THE 13 OVERSEAS, 85 ORGS (69%)**
- ▶ **THE ABOVE ARE PRIORITY 1 ORGANISATIONS**

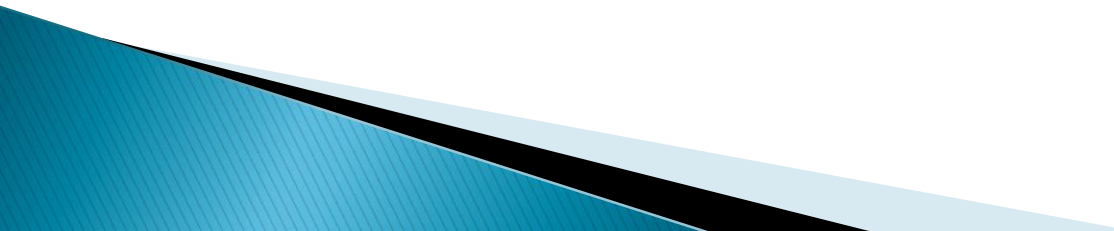
SMS IMPLEMENTATION PROGRAM

- ▶ **38 ORGS (31%) ARE YET TO BE ASSESSED**
- ▶ ATS – 1
- ▶ AIS – 1
- ▶ ANSP – 1
- ▶ ANS – 2
- ▶ MET – 1
- ▶ ATOC – 1
- ▶ ACO – 27
- ▶ RACA – 4
- ▶ **THE ABOVE ARE PRIORITY 2 ORGANISATIONS**

AVIATION QUALITY DATABASE SOFTWARE

- ▶ **AQD SOFTWARE FULLY INSTALLED JULY 2014**
 - ▶ **OPERATOR AUDIT FINDINGS**
 - ▶ **AUDIT REPORTS**
 - ▶ **INVESTIGATIONS**
 - ▶ **INTERNAL AUDIT FINDINGS**
 - ▶ **OCCURRENCES / ACCIDENTS / INCIDENTS**
- 

CURRENT TARGET

- ▶ 38 ORGS TO BE ABOVE 65% LEVEL 2 BY END OF 2016
 - ▶ THIS WILL BE TRANSLATED WITH THE SMS IMPLEMENTATION PHASE AS:
 - ▶ PHASE 1 – 100%, PHASE 2 – 100%,
 - ▶ PHASE 3 – 75%, PHASE 4 – 75% COMPLETED
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SMS OPERATOR APPLICABILITY

- ▶ (1) **Part 109** – Regulated Air Cargo Agents – Certification
- ▶ (2) **Part 119** – Air Operator Certification
- ▶ (3) **Part 139** – Aerodrome – Certification and Operation
- ▶ (4) **Part 140** – Aviation Security Service Organisations – Certification
- ▶ (5) **Part 141** – Aviation Training Organisations – Certification and Operation
- ▶ (6) **Part 144** – Supply Organisations – Certification

CONT..

- ▶ (7) **Part 145** – Aircraft Maintenance Organisations – Certification
- ▶ (8) **Part 146** – Aircraft Design Organisations – Certification
- ▶ (9) **Part 148** – Aircraft Manufacturing Organisations – Certification
- ▶ (10) **Part 171** – Aeronautical Telecommunication Service Organisations – Certification:
- ▶ (11) **Part 172** – Air Traffic Service Organisations – – Certification

CONT..

- ▶ (12) **Part 173** – Air Navigation Service Organisations – Certification:
 - ▶ (13) **Part 174** – Aviation Meteorological Service Organisations – Certification
 - ▶ (14) **Part 175** – Aeronautical Information service Organisations – Certification
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COMPLIANCE MATRIX –SAMPLE



PART 100 – COMPLIANCE MATRIX

| Rule Reference | Exposition Page Para | Comments |
|---|----------------------|----------|
| | | |
| GENERAL | | |
| | | |
| Purpose | | |
| 100.1(a) | | |
| (1) Part 109 - Regulated Air Cargo Agents – Certification | | |
| (2) Part 119 – Air Operator Certification: | | |
| (3) Part 139 – Aerodrome – Certification and Operation: | | |
| (4) Part 140 – Aviation Security Service Organisations – Certification: | | |
| (5) Part 141 – Aviation Training Organisations – Certification and Operation: | | |
| (6) Part 144 – Supply Organisations – Certification: | | |
| (7) Part 145 – Aircraft Maintenance Organisations – Certification: | | |
| (8) Part 146 – Aircraft Design Organisations – Certification: | | |
| (9) Part 148 – Aircraft Manufacturing Organisations – Certification: | | |
| (10) Part 171 – Aeronautical Telecommunication Service Organisations – Certification: | | |
| (11) Part 172 – Air Traffic Service Organisations – Certification: | | |

SMS & QMS TRAINING

- ▶ Rule Requirement Part 100
 - ▶ AC 100-1
 - ▶ SMS Checklist – Effectivity
 - ▶ Exposition – current, revision, amendments
 - ▶ Safety Policy & Objectives – review, understanding, managed
 - ▶ HIRA & HIRM – Effectiveness, control, managed
 - ▶ Safety Communication – sound, effective, managed
 - ▶ Safety Promotion & Education – effective, managed, reviewed, improved
 - ▶ Safety Training/ERP – effective, current, Managed, reviewed, improved
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SMS & QMS TRAINING

- ▶ ICAO SMS TRAINING – TO DATE OVER 100 SMS COURSES/AWARENESS/WORKSHOPS DONE
- ▶ CONTEXTULISED TO PNG CONTENTS

CONTACT

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THANK YOU

