SOUTH AFRICAN CIVIL AVIATION AUTHORITY

Section/division Telephone number: Physical address

Postal address:

FLIGHT OPERATIONS/AIRWORTHINESS

011-545-1000

Fax Number: 011-545-1350 Ikhaya Lokundiza, 16 Treur Close, Waterfall Park, Bekker Street, Midrand, Gauteng

Form Number: CA 91-29

Private Bag X73, Halfway House 1685 Website: www.caa.co.za

## **RELIABILITY PROGRAMMES APPROVAL CHECKLIST**

OPERA	TOR NAME					
Referen	ce number for Part 91					
AOC nu	mber for Part 121/135/127					
Date						
Aircraft	type & registration number					
Aircraft	serial number					
			YES	NO	N/A	NOTES
1.	Applicability					
1.1	Developed in the following cases:					
	a. Programme is based upon MSG-3 logic.					
	b. Programme includes condition monitored	j				
	components. c. Programme does not contain overhaul tir	ne				
	periods for all significant system componen					
	d. Specified by the Manufacturer's MPD or	MRB.				
1.2	Need not be developed in the following cas	es:				
	a. Programme is based upon the MSG-1 or (only hard times or on condition items)	2 logic				
	b. Not a large aircraft (= or < 5700 Kgs MT\	VA or				
	single engine helicopter)					
	c. Programme provides overhaul time perio all significant system components.	ds for				
1.3	Operator may develop own reliability monitor	oring				
	programme.	_				
2	Applicability, small fleets.					
2.1	Less than 6 aircraft of the same type.					
2.2	Reliability programme is irrespective of the size.					
2.3	Tailor reliability programmes to suit the size complexity of operation.	and				
2.4	Use of "Alert levels" should be used careful	ly				
2.5	When establishing a reliability programme, consider the following:					
	a. Focus on areas where a sufficient amour data is likely to be processed.	nt of				
	b. How is engineering judgement applied?					
2.6	Pool data and analysis (paragraph 6.6 spe conditions)					
2.7	If unable to pool data / additional restriction MRB/MPD tasks intervals specified.	s on the				
3	Engineering judgement.					
3.1	Are there appropriately qualified personnel appropriate engineering experience and understanding of reliability concept) for the reliability programme?	(with				
4	Contracted maintenance.					
4.1	Maintenance programme / may delegate certain functions to the Part-145 organisation.					

	T	
CA 91-29	06 February 2023	Page 1 of 5 l
1 0/1 31-23	l OU I CDI UAI V ZUZS	raue i ui s

4.2	These are:			
	a. Developing the maintenance and reliability			
	programmes.			
	b. Collection and analysis of the reliability data.			
	c. Providing reliability reports.			
	d. Proposing corrective actions.			
4.3	Approval to implement a corrective action / Subpart G prerogative and responsibility.			
4.4	Maintenance contract, CAME and MOE procedures.			
5	Reliability programme			
5.1	Objectives.			
5.1.1	Statement summarising the prime objectives of the programme.			
	a. Recognise the need for corrective action.			
	b. Establish what corrective action is needed.			
	c. Determine the effectiveness of that action.			
5.1.2	The extent of the objectives should be directly			
5.1.3	related to the scope of the programme.  All MSG-3 related tasks are effective and their			
5.2	periodicity is adequate		1	+
5.2	Identification of items.  The items controlled by the programme should be			
	stated.			
5.3	Terms and definitions.			
	Significant terms and definitions should be clearly identified.			
5.4	Information sources and collection.			
5.4.1	Sources and procedures in the Exposition.			
5.4.2	Type of information to be collected should be related to the objectives, examples of the normal prime sources:			
	a. Pilots Reports			
	b. Technical Logs			
	c. Aircraft Access Terminal / On-board readouts			
	d. Maintenance Worksheets			
	e. Workshop Reports			
	f. Reports on Functional Checks			
	g. Reports on Special Inspections			
	<del>                                     </del>			
	h. Stores Issues/Reports			
	i. Air Safety Reports		1	
	j. Reports on Delays and Incidents			
F 4 0	k. Other sources: i.e. ETOPS, RVSM, CAT II/III		1	
5.4.3	Due account of Continuing Airworthiness information promulgated under Part-21			
5.5	Display of information			
	Information displayed graphically or tabular or a combination			
5.5.1	Provisions for "nil returns"			
5.5.2	Where "standards" or "alert levels", information oriented accordingly.			
5.6	Examination, analysis and interpretation of the information.			
CA 91-	29 <b>06 February 20</b>	23		Page 2 of 5

the information should be explained.  5.6.1 Methods of examination may be varied - content & quantity.  The whole process should enable a critical assessment of the effectiveness of the programme as a total activity. May involve:  a. Comparisons of operational reliability with established or allocated standards.  b. Analysis and interpretation of trends.  c. Evaluation of repetitive defects.  d. Confidence testing of expected and achieved results.  e. Studies of life-bands and survival characteristics.  f. Reliability predictions  g. Other methods of assessment  h. Stores Issues/Reports  i. Air Safety Reports  j. Reports on Delays and Incidents  k. Other sources: i.e. ETOPS, RVSM, CAT II/III  5.6.3 Range and depth of analysis should be related to the particular programme:  a. Flight defects and reductions in reliability  b. Defects – line and main base  c. Deterioration observed - routine maintenance  d. Workshop and overhaul findings  e. Modification evaluations  f. Sampling programmes  g. Adequacy of maintenance equipment and publications  h. Effectiveness of maintenance procedures  i. Staff training j. Service bulletins, technical instructions, etc.  5.6.4 Corrective Actions  5.7.1 Procedures / time scales for implementing corrective actions / monitoring and maintenance - arrangements established and details for information input included  5.7 Corrective Actions  5.7.1 Procedures / time scales for implementing corrective actions / monitoring - should be fully described & could include:  a. Changes to maintenance, operational procedures or techniques.  b. Changes requiring amendment of the approved maintenance programme?  c. Amendments to approved manuals  d. Initiation of modifications  e. Special inspections/fleet campaigns  f. Spares provisioning g. Staff training b. Mannower and equipment planning		Method for examining, analysing and interpreting			
guantity.  5.6.2 The whole process should enable a critical assessment of the effectiveness of the programme as a total activity. May involve:  a. Comparisons of operational reliability with established or allocated standards.  b. Analysis and interpretation of trends.  c. Evaluation of repetitive defects.  d. Confidence testing of expected and achieved results.  e. Studies of life-bands and survival characteristics.  f. Reliability predictions  g. Other methods of assessment  h. Stores Issues/Reports  i. Air Safety Reports  j. Reports on Delays and Incidents  k. Other sources: i.e. ETOPS, RVSM, CAT I/I/II  S.6.3 Range and depth of analysis should be related to the particular programme:  a. Flight defects and reductions in reliability  b. Defects – line and main base  c. Deterioration observed - routine maintenance  d. Workshop and overhaul findings  e. Modification evaluations  f. Sampling programmes  g. Adequacy of maintenance equipment and publications  h. Effectiveness of maintenance procedures  i. Staff training  j. Service bulletins, technical instructions, etc.  5.6.4 Contracted maintenance – arrangements established and details for information input included  5.7 Corrective Actions  Frocedures of rechniques.  b. Changes requiring amendment of the approved maintenance procedures or techniques.  c. Amendments to approved manuals  d. Initiation of modifications  e. Special inspections/fleet campaigns  f. Spares provisioning  g. Staff training	5.0.4	the information should be explained.			
5.6.2 The whole process should enable a critical assessment of the effectiveness of the programme as a total activity. May involve:  a. Comparisons of operational reliability with established or allocated standards.  b. Analysis and interpretation of trends.  c. Evaluation of repetitive defects.  d. Confidence testing of expected and achieved results.  e. Studies of life-bands and survival characteristics.  f. Reliability predictions  g. Other methods of assessment  h. Stores Issues/Reports  i. Air Safety Reports  j. Reports on Delays and Incidents  k. Other sources: i.e. ETOPS, RVSM, CAT II/III  5.6.3 Range and depth of analysis should be related to the particular programme:  a. Flight defects and reductions in reliability  b. Defects – line and main base  c. Deterioration observed - routine maintenance  d. Workshop and overhaul findings  e. Modification evaluations  f. Sampling programmes  g. Adequacy of maintenance equipment and publications  h. Effectiveness of maintenance procedures  i. Staff training j. Service bulletins, technical instructions, etc.  5.6.4 Corrective Actions  5.7 Corrective Actions  6.7.1 Procedures / time scales for implementing corrective actions / monitoring – should be fully described & could include:  a. Changes requiring amendment of the approved maintenance procedures to techniques.  b. Changes requiring amendment of the approved maintenance procedures to techniques.  b. Changes requiring amendment of the approved maintenance procedures or techniques.  c. Amendments to approved manuals  d. Initiation of modifications  e. Special inspections/fleet campaigns  f. Spares provisioning g. Staff training	5.6.1				
assessment of the effectiveness of the programme as a total activity. May involve:  a. Comparisons of operational reliability with estabilished or allocated standards.  b. Analysis and interpretation of trends.  c. Evaluation of repetitive defects.  d. Confidence testing of expected and achieved results.  e. Studies of life-bands and survival characteristics.  f. Reliability predictions  g. Other methods of assessment  h. Stores Issues/Reports  i. Air Safety Reports  j. Reports on Delays and Incidents  k. Other sources: i.e. ETOPS, RVSM, CAT II/III  5.6.3 Range and depth of analysis should be related to the particular programme:  a. Flight defects and reductions in reliability  b. Defects—line and main base  c. Deterioration observed - routine maintenance  d. Workshop and overhaul findings  e. Modification evaluations  f. Sampling programmes  g. Adequacy of maintenance equipment and publications  h. Effectiveness of maintenance procedures  i. Staff training j. Service bulletins, technical instructions, etc.  Contracted maintenance — arrangements established and details for information input included  5.7.1 Corrective Actions  5.7.1 Procedures / time scales for implementing corrective actions / monitoring — should be fully described & could include:  a. Changes to maintenance, operational procedures or techniques.  b. Changes requiring amendment of the approved maintenance programme?  c. Amendments to approved manuals  d. Initiation of modifications  e. Special inspections/fleet campaigns  f. Spares provisioning g. Staff training	5.6.2				
a. Comparisons of operational reliability with established or allocated standards. b. Analysis and interpretation of trends. c. Evaluation of repetitive defects. d. Confidence testing of expected and achieved results. e. Studies of life-bands and survival characteristics. f. Reliability predictions g. Other methods of assessment h. Stores Issues/Reports i. Air Safety Reports j. Reports on Delays and Incidents k. Other sources: i.e. ETOPS, RVSM, CAT II/III s. 6.8.3 Range and depth of analysis should be related to the particular programme: a. Flight defects and reductions in reliability b. Defects – line and main base c. Deterioration observed - routine maintenance d. Workshop and overhaul findings e. Modification evaluations f. Sampling programmes g. Adequacy of maintenance equipment and publications h. Effectiveness of maintenance procedures i. Staff training j. Service bulletins, technical instructions, etc. Contracted maintenance – arrangements established and details for information input included 5.7 Corrective Actions 5.7.1 Procedures / time scales for implementing corrective actions / monitoring – should be fully described & could include: a. Changes to maintenance, operational procedures or techniques. b. Changes requiring amendment of the approved maintenance programme? c. Amendments to approved manuals d. Initiation of modifications e. Special inspections/fleet campaigns f. Spares provisioning g. Staff training		assessment of the effectiveness of the programme			
established or allocated standards.  b. Analysis and interpretation of trends.  c. Evaluation of repetitive defects.  d. Confidence testing of expected and achieved results.  e. Studies of life-bands and survival characteristics.  f. Reliability predictions  g. Other methods of assessment  h. Stores Issues/Reports  i. Air Safety Reports  j. Reports on Delays and Incidents  k. Other sources: i.e. ETOPS, RVSM, CAT II/III  5.6.3 Range and depth of analysis should be related to the particular programme:  a. Flight defects and reductions in reliability  b. Defects – line and main base  c. Deterioration observed - routine maintenance  d. Workshop and overhaul findings  e. Modification evaluations  f. Sampling programmes  g. Adequacy of maintenance equipment and publications  h. Effectiveness of maintenance procedures  i. Staff training j. Service bulletins, technical instructions, etc.  5.6.4 Contracted maintenance – arrangements established and details for information input included  5.7 Corrective Actions  7.7.1 Procedures / time scales for implementing corrective actions / monitoring – should be fully described & could include:  a. Changes to maintenance, operational procedures or techniques.  b. Changes to maintenance, operational procedures or techniques.  b. Changes requiring amendment of the approved maintenance programme?  c. Amendments to approved manuals  d. Initiation of modifications  e. Special inspections/fleet campaigns  f. Spares provisioning g. Staff training					
c. Evaluation of repetitive defects. d. Confidence testing of expected and achieved results. e. Studies of life-bands and survival characteristics. f. Reliability predictions g. Other methods of assessment h. Stores Issues/Reports i. Air Safety Reports j. Reports on Delays and Incidents k. Other sources: i.e. ETOPS, RVSM, CAT II/III 5.6.3 Range and depth of analysis should be related to the particular programme: a. Flight defects and reductions in reliability b. Defects – line and main base c. Deterioration observed - routine maintenance d. Workshop and overhaul findings e. Modification evaluations f. Sampling programmes g. Adequacy of maintenance equipment and publications h. Effectiveness of maintenance procedures i. Staff training j. Service bulletins, technical instructions, etc. 5.6.4 Contracted maintenance – arrangements established and details for information input included 5.7 Corrective Actions 5.7.1 Procedures / time scales for implementing corrective actions / monitoring – should be fully described & could include: a. Changes to maintenance, operational procedures or techniques. b. Changes requiring amendment of the approved maintenance programme? c. Amendments to approved manuals d. Initiation of modifications e. Special inspections/fleet campaigns f. Spares provisioning g. Staff training					
d. Confidence testing of expected and achieved results. e. Studies of life-bands and survival characteristics. f. Reliability predictions g. Other methods of assessment h. Stores Issues/Reports i. Air Safety Reports j. Reports on Delays and Incidents k. Other sources: i.e. ETOPS, RVSM, CAT II/III s.a. Range and depth of analysis should be related to the particular programme: a. Flight defects and reductions in reliability b. Defects – line and main base c. Deterioration observed - routine maintenance d. Workshop and overhaul findings e. Modification evaluations f. Sampling programmes g. Adequacy of maintenance equipment and publications h. Effectiveness of maintenance procedures i. Staff training j. Service bulletins, technical instructions, etc.  5.6.4 Contracted maintenance – arrangements established and details for information input included 5.7 Corrective Actions 5.7.1 Procedures / time scales for implementing corrective actions / monitoring – should be fully described & could include: a. Changes requiring amendment of the approved maintenance programme? c. Amendments to approved manuals d. Initiation of modifications e. Special inspections/fleet campaigns f. Spares provisioning g. Staff training		b. Analysis and interpretation of trends.			
results. e. Studies of life-bands and survival characteristics. f. Reliability predictions g. Other methods of assessment h. Stores Issues/Reports i. Air Safety Reports k. Other sources: i.e. ETOPS, RVSM, CAT II/III 5.6.3 Range and depth of analysis should be related to the particular programme: a. Flight defects and reductions in reliability b. Defects – line and main base c. Deterioration observed - routine maintenance d. Workshop and overhaul findings e. Modification evaluations f. Sampling programmes g. Adequacy of maintenance equipment and publications h. Effectiveness of maintenance procedures i. Staff training j. Service bulletins, technical instructions, etc. Contracted maintenance – arrangements established and details for information input included 5.7 Corrective Actions 5.7.1 Procedures / time scales for implementing corrective actions / monitoring – should be fully described & could includes. b. Changes requiring amendment of the approved maintenance programme? c. Amendments to approved manuals d. Initiation of modifications e. Special inspections/fleet campaigns f. Spares provisioning g. Staff training		c. Evaluation of repetitive defects.			
e. Studies of life-bands and survival characteristics.  f. Reliability predictions g. Other methods of assessment h. Stores Issues/Reports i. Air Safety Reports j. Reports on Delays and Incidents k. Other sources: i.e. ETOPS, RVSM, CAT II/III 5.6.3 Range and depth of analysis should be related to the particular programme: a. Flight defects and reductions in reliability b. Defects – line and main base c. Deterioration observed - routine maintenance d. Workshop and overhaul findings e. Modification evaluations f. Sampling programmes g. Adequacy of maintenance equipment and publications h. Effectiveness of maintenance procedures i. Staff training j. Service bulletins, technical instructions, etc. Contracted maintenance – arrangements established and details for information input included 5.7 Corrective Actions 5.7.1 Procedures / time scales for implementing corrective actions / monitoring – should be fully described & could includes a. Changes to maintenance, operational procedures or techniques. b. Changes requiring amendment of the approved maintenance programme? c. Amendments to approved manuals d. Initiation of modifications e. Special inspections/fleet campaigns f. Spares provisioning g. Staff training					
characteristics.  f. Reliability predictions g. Other methods of assessment h. Stores Issues/Reports i. Air Safety Reports j. Reports on Delays and Incidents k. Other sources: i.e. ETOPS, RVSM, CAT II/III 5.6.3 Range and depth of analysis should be related to the particular programme: a. Flight defects and reductions in reliability b. Defects – line and main base c. Deterioration observed - routine maintenance d. Workshop and overhaul findings e. Modification evaluations f. Sampling programmes g. Adequacy of maintenance equipment and publications h. Effectiveness of maintenance procedures i. Staff training j. Service bulletins, technical instructions, etc. Contracted maintenance – arrangements established and details for information input included 5.7 Corrective Actions 5.7.1 Procedures / time scales for implementing corrective actions / monitoring – should be fully described & could include: a. Changes to maintenance, operational procedures or techniques. b. Changes requiring amendment of the approved maintenance programme? c. Amendments to approved manuals d. Initiation of modifications e. Special inspections/fleet campaigns f. Spares provisioning g. Staff training					
g. Other methods of assessment h. Stores Issues/Reports i. Air Safety Reports j. Reports on Delays and Incidents k. Other sources: i.e. ETOPS, RVSM, CAT II/III S.6.3 Range and depth of analysis should be related to the particular programme: a. Flight defects and reductions in reliability b. Defects – line and main base c. Deterioration observed - routine maintenance d. Workshop and overhaul findings e. Modification evaluations f. Sampling programmes g. Adequacy of maintenance equipment and publications h. Effectiveness of maintenance procedures i. Staff training j. Service bulletins, technical instructions, etc.  S.6.4 Contracted maintenance – arrangements established and details for information input included  5.7 Corrective Actions 5.7.1 Procedures / time scales for implementing corrective actions / monitoring – should be fully described & could include: a. Changes to maintenance, operational procedures or techniques. b. Changes requiring amendment of the approved maintenance programme? c. Amendments to approved manuals d. Initiation of modifications e. Special inspections/fleet campaigns f. Spares provisioning g. Staff training					
h. Stores Issues/Reports i. Air Safety Reports j. Reports on Delays and Incidents k. Other sources: i.e. ETOPS, RVSM, CAT II/III 5.6.3 Range and depth of analysis should be related to the particular programme: a. Flight defects and reductions in reliability b. Defects – line and main base c. Deterioration observed - routine maintenance d. Workshop and overhaul findings e. Modification evaluations f. Sampling programmes g. Adequacy of maintenance equipment and publications h. Effectiveness of maintenance procedures i. Staff training j. Service bulletins, technical instructions, etc.  5.6.4 Contracted maintenance – arrangements established and details for information input included 5.7 Corrective Actions 5.7.1 Procedures / time scales for implementing corrective actions / monitoring – should be fully described & could include: a. Changes to maintenance, operational procedures or techniques. b. Changes requiring amendment of the approved maintenance programme? c. Amendments to approved manuals d. Initiation of modifications e. Special inspections/fleet campaigns f. Spares provisioning g. Staff training		f. Reliability predictions			
i. Air Safety Reports j. Reports on Delays and Incidents k. Other sources: i.e. ETOPS, RVSM, CAT II/III 5.6.3 Range and depth of analysis should be related to the particular programme: a. Flight defects and reductions in reliability b. Defects – line and main base c. Deterioration observed - routine maintenance d. Workshop and overhaul findings e. Modification evaluations f. Sampling programmes g. Adequacy of maintenance equipment and publications h. Effectiveness of maintenance procedures i. Staff training j. Service bulletins, technical instructions, etc.  5.6.4 Contracted maintenance – arrangements established and details for information input included 5.7 Corrective Actions  5.7.1 Procedures / time scales for implementing corrective actions / monitoring – should be fully described & could include: a. Changes to maintenance, operational procedures or techniques. b. Changes requiring amendment of the approved maintenance programme? c. Amendments to approved manuals d. Initiation of modifications e. Special inspections/fleet campaigns f. Spares provisioning g. Staff training		g. Other methods of assessment			
j. Reports on Delays and Incidents k. Other sources: i.e. ETOPS, RVSM, CAT II/III  5.6.3 Range and depth of analysis should be related to the particular programme: a. Flight defects and reductions in reliability b. Defects – line and main base c. Deterioration observed - routine maintenance d. Workshop and overhaul findings e. Modification evaluations f. Sampling programmes g. Adequacy of maintenance equipment and publications h. Effectiveness of maintenance procedures i. Staff training j. Service bulletins, technical instructions, etc.  5.6.4 Contracted maintenance – arrangements established and details for information input included  5.7 Corrective Actions  5.7.1 Procedures / time scales for implementing corrective actions / monitoring – should be fully described & could includes. a. Changes to maintenance, operational procedures or techniques. b. Changes requiring amendment of the approved maintenance programme? c. Amendments to approved manuals d. Initiation of modifications e. Special inspections/fleet campaigns f. Spares provisioning g. Staff training		h. Stores Issues/Reports			
k. Other sources: i.e. ETOPS, RVSM, CAT II/III  5.6.3 Range and depth of analysis should be related to the particular programme:  a. Flight defects and reductions in reliability  b. Defects – line and main base  c. Deterioration observed - routine maintenance  d. Workshop and overhaul findings  e. Modification evaluations  f. Sampling programmes  g. Adequacy of maintenance equipment and publications  h. Effectiveness of maintenance procedures  i. Staff training  j. Service bulletins, technical instructions, etc.  Contracted maintenance – arrangements established and details for information input included  5.7 Corrective Actions  5.7.1 Procedures / time scales for implementing corrective actions / monitoring – should be fully described & could include:  a. Changes to maintenance, operational procedures or techniques.  b. Changes requiring amendment of the approved maintenance programme?  c. Amendments to approved manuals  d. Initiation of modifications  e. Special inspections/fleet campaigns  f. Spares provisioning  g. Staff training		i. Air Safety Reports			
5.6.3 Range and depth of analysis should be related to the particular programme:  a. Flight defects and reductions in reliability  b. Defects – line and main base  c. Deterioration observed - routine maintenance  d. Workshop and overhaul findings  e. Modification evaluations  f. Sampling programmes  g. Adequacy of maintenance equipment and publications  h. Effectiveness of maintenance procedures  i. Staff training  j. Service bulletins, technical instructions, etc.  5.6.4 Contracted maintenance – arrangements established and details for information input included  5.7 Corrective Actions  5.7.1 Procedures / time scales for implementing corrective actions / monitoring – should be fully described & could include:  a. Changes to maintenance, operational procedures or techniques.  b. Changes requiring amendment of the approved maintenance programme?  c. Amendments to approved manuals  d. Initiation of modifications  e. Special inspections/fleet campaigns  f. Spares provisioning  g. Staff training		j. Reports on Delays and Incidents			
the particular programme:  a. Flight defects and reductions in reliability  b. Defects – line and main base  c. Deterioration observed - routine maintenance  d. Workshop and overhaul findings  e. Modification evaluations  f. Sampling programmes  g. Adequacy of maintenance equipment and publications  h. Effectiveness of maintenance procedures  i. Staff training  j. Service bulletins, technical instructions, etc.  Contracted maintenance – arrangements established and details for information input included  5.7 Corrective Actions  5.7.1 Procedures / time scales for implementing corrective actions / monitoring – should be fully described & could include:  a. Changes to maintenance, operational procedures or techniques.  b. Changes requiring amendment of the approved maintenance programme?  c. Amendments to approved manuals  d. Initiation of modifications  e. Special inspections/fleet campaigns  f. Spares provisioning  g. Staff training		k. Other sources: i.e. ETOPS, RVSM, CAT II/III			
a. Flight defects and reductions in reliability b. Defects – line and main base c. Deterioration observed - routine maintenance d. Workshop and overhaul findings e. Modification evaluations f. Sampling programmes g. Adequacy of maintenance equipment and publications h. Effectiveness of maintenance procedures i. Staff training j. Service bulletins, technical instructions, etc.  Contracted maintenance – arrangements established and details for information input included  5.7 Corrective Actions  5.7.1 Procedures / time scales for implementing corrective actions / monitoring – should be fully described & could include: a. Changes to maintenance, operational procedures or techniques. b. Changes requiring amendment of the approved maintenance programme? c. Amendments to approved manuals d. Initiation of modifications e. Special inspections/fleet campaigns f. Spares provisioning g. Staff training	5.6.3	Range and depth of analysis should be related to			
b. Defects – line and main base c. Deterioration observed - routine maintenance d. Workshop and overhaul findings e. Modification evaluations f. Sampling programmes g. Adequacy of maintenance equipment and publications h. Effectiveness of maintenance procedures i. Staff training j. Service bulletins, technical instructions, etc.  5.6.4 Contracted maintenance – arrangements established and details for information input included  5.7 Corrective Actions  5.7.1 Procedures / time scales for implementing corrective actions / monitoring – should be fully described & could include: a. Changes to maintenance, operational procedures or techniques. b. Changes requiring amendment of the approved maintenance programme? c. Amendments to approved manuals d. Initiation of modifications e. Special inspections/fleet campaigns f. Spares provisioning g. Staff training					
c. Deterioration observed - routine maintenance  d. Workshop and overhaul findings  e. Modification evaluations  f. Sampling programmes g. Adequacy of maintenance equipment and publications  h. Effectiveness of maintenance procedures i. Staff training j. Service bulletins, technical instructions, etc.  5.6.4 Contracted maintenance – arrangements established and details for information input included  5.7 Corrective Actions  5.7.1 Procedures / time scales for implementing corrective actions / monitoring – should be fully described & could include: a. Changes to maintenance, operational procedures or techniques. b. Changes requiring amendment of the approved maintenance programme? c. Amendments to approved manuals d. Initiation of modifications e. Special inspections/fleet campaigns f. Spares provisioning g. Staff training					
d. Workshop and overhaul findings e. Modification evaluations f. Sampling programmes g. Adequacy of maintenance equipment and publications h. Effectiveness of maintenance procedures i. Staff training j. Service bulletins, technical instructions, etc.  5.6.4 Contracted maintenance – arrangements established and details for information input included  5.7 Corrective Actions  5.7.1 Procedures / time scales for implementing corrective actions / monitoring – should be fully described & could include: a. Changes to maintenance, operational procedures or techniques. b. Changes requiring amendment of the approved maintenance programme? c. Amendments to approved manuals d. Initiation of modifications e. Special inspections/fleet campaigns f. Spares provisioning g. Staff training					
e. Modification evaluations  f. Sampling programmes  g. Adequacy of maintenance equipment and publications  h. Effectiveness of maintenance procedures  i. Staff training  j. Service bulletins, technical instructions, etc.  5.6.4 Contracted maintenance – arrangements established and details for information input included  5.7 Corrective Actions  5.7.1 Procedures / time scales for implementing corrective actions / monitoring – should be fully described & could include:  a. Changes to maintenance, operational procedures or techniques.  b. Changes requiring amendment of the approved maintenance programme?  c. Amendments to approved manuals  d. Initiation of modifications  e. Special inspections/fleet campaigns  f. Spares provisioning  g. Staff training		c. Deterioration observed - routine maintenance			
f. Sampling programmes g. Adequacy of maintenance equipment and publications h. Effectiveness of maintenance procedures i. Staff training j. Service bulletins, technical instructions, etc.  5.6.4 Contracted maintenance – arrangements established and details for information input included  5.7 Corrective Actions  5.7.1 Procedures / time scales for implementing corrective actions / monitoring – should be fully described & could include: a. Changes to maintenance, operational procedures or techniques. b. Changes requiring amendment of the approved maintenance programme? c. Amendments to approved manuals d. Initiation of modifications e. Special inspections/fleet campaigns f. Spares provisioning g. Staff training		d. Workshop and overhaul findings			
g. Adequacy of maintenance equipment and publications  h. Effectiveness of maintenance procedures  i. Staff training  j. Service bulletins, technical instructions, etc.  5.6.4 Contracted maintenance – arrangements established and details for information input included  5.7 Corrective Actions  5.7.1 Procedures / time scales for implementing corrective actions / monitoring – should be fully described & could include:  a. Changes to maintenance, operational procedures or techniques.  b. Changes requiring amendment of the approved maintenance programme?  c. Amendments to approved manuals  d. Initiation of modifications  e. Special inspections/fleet campaigns  f. Spares provisioning  g. Staff training		e. Modification evaluations			
publications h. Effectiveness of maintenance procedures i. Staff training j. Service bulletins, technical instructions, etc.  5.6.4 Contracted maintenance – arrangements established and details for information input included  5.7 Corrective Actions  5.7.1 Procedures / time scales for implementing corrective actions / monitoring – should be fully described & could include: a. Changes to maintenance, operational procedures or techniques. b. Changes requiring amendment of the approved maintenance programme? c. Amendments to approved manuals d. Initiation of modifications e. Special inspections/fleet campaigns f. Spares provisioning g. Staff training					
h. Effectiveness of maintenance procedures  i. Staff training  j. Service bulletins, technical instructions, etc.  5.6.4 Contracted maintenance – arrangements established and details for information input included  5.7 Corrective Actions  5.7.1 Procedures / time scales for implementing corrective actions / monitoring – should be fully described & could include:  a. Changes to maintenance, operational procedures or techniques.  b. Changes requiring amendment of the approved maintenance programme?  c. Amendments to approved manuals  d. Initiation of modifications  e. Special inspections/fleet campaigns  f. Spares provisioning  g. Staff training					
i. Staff training j. Service bulletins, technical instructions, etc.  5.6.4 Contracted maintenance – arrangements established and details for information input included  5.7 Corrective Actions  5.7.1 Procedures / time scales for implementing corrective actions / monitoring – should be fully described & could include:  a. Changes to maintenance, operational procedures or techniques.  b. Changes requiring amendment of the approved maintenance programme?  c. Amendments to approved manuals  d. Initiation of modifications  e. Special inspections/fleet campaigns  f. Spares provisioning g. Staff training		•			
j. Service bulletins, technical instructions, etc.  5.6.4 Contracted maintenance – arrangements established and details for information input included  5.7 Corrective Actions  5.7.1 Procedures / time scales for implementing corrective actions / monitoring – should be fully described & could include:  a. Changes to maintenance, operational procedures or techniques.  b. Changes requiring amendment of the approved maintenance programme?  c. Amendments to approved manuals  d. Initiation of modifications  e. Special inspections/fleet campaigns  f. Spares provisioning  g. Staff training					
5.6.4 Contracted maintenance – arrangements established and details for information input included  5.7 Corrective Actions  5.7.1 Procedures / time scales for implementing corrective actions / monitoring – should be fully described & could include:  a. Changes to maintenance, operational procedures or techniques.  b. Changes requiring amendment of the approved maintenance programme?  c. Amendments to approved manuals  d. Initiation of modifications  e. Special inspections/fleet campaigns  f. Spares provisioning  g. Staff training		Ţ			
established and details for information input included  5.7 Corrective Actions  5.7.1 Procedures / time scales for implementing corrective actions / monitoring – should be fully described & could include:  a. Changes to maintenance, operational procedures or techniques.  b. Changes requiring amendment of the approved maintenance programme?  c. Amendments to approved manuals  d. Initiation of modifications  e. Special inspections/fleet campaigns  f. Spares provisioning  g. Staff training	564				
5.7 Corrective Actions  5.7.1 Procedures / time scales for implementing corrective actions / monitoring – should be fully described & could include:  a. Changes to maintenance, operational procedures or techniques.  b. Changes requiring amendment of the approved maintenance programme?  c. Amendments to approved manuals  d. Initiation of modifications  e. Special inspections/fleet campaigns  f. Spares provisioning  g. Staff training	0.0.4				
5.7.1 Procedures / time scales for implementing corrective actions / monitoring – should be fully described & could include:  a. Changes to maintenance, operational procedures or techniques.  b. Changes requiring amendment of the approved maintenance programme?  c. Amendments to approved manuals  d. Initiation of modifications  e. Special inspections/fleet campaigns  f. Spares provisioning  g. Staff training					
corrective actions / monitoring — should be fully described & could include:  a. Changes to maintenance, operational procedures or techniques.  b. Changes requiring amendment of the approved maintenance programme?  c. Amendments to approved manuals  d. Initiation of modifications  e. Special inspections/fleet campaigns  f. Spares provisioning  g. Staff training					
described & could include:  a. Changes to maintenance, operational procedures or techniques.  b. Changes requiring amendment of the approved maintenance programme?  c. Amendments to approved manuals  d. Initiation of modifications  e. Special inspections/fleet campaigns  f. Spares provisioning  g. Staff training	5.7.1				
procedures or techniques.  b. Changes requiring amendment of the approved maintenance programme?  c. Amendments to approved manuals  d. Initiation of modifications  e. Special inspections/fleet campaigns  f. Spares provisioning  g. Staff training		described & could include:			
b. Changes requiring amendment of the approved maintenance programme?  c. Amendments to approved manuals  d. Initiation of modifications  e. Special inspections/fleet campaigns  f. Spares provisioning  g. Staff training					
maintenance programme?  c. Amendments to approved manuals  d. Initiation of modifications  e. Special inspections/fleet campaigns  f. Spares provisioning  g. Staff training					
d. Initiation of modifications e. Special inspections/fleet campaigns f. Spares provisioning g. Staff training					
e. Special inspections/fleet campaigns f. Spares provisioning g. Staff training		c. Amendments to approved manuals			
f. Spares provisioning g. Staff training		d. Initiation of modifications			
g. Staff training		e. Special inspections/fleet campaigns			
		f. Spares provisioning			
h Mannower and equipment planning		g. Staff training			
		h. Manpower and equipment planning			
5.7.2 Procedures for effecting changes should be	5.7.2				
described		described	<u> </u>		

	06 February 2023	
l CA 91-29		Page 3 of 5 L

5.8	Organisational Responsibilities		
	Organisational structure – chains of responsibility		
F 0	should be defined.		
5.9	Presentation of information to the competent authority.		
	Information submitted to the CAA for approval of		
	the reliability programme:		
	a. Format and content of routine reports.		
	b. Time scales for reports / distribution.		
	<ul> <li>Format and content of reports requesting amendments.</li> </ul>		
5.10	Evaluation and review.		
	Describe procedures and individual responsibilities - continuous monitoring of the effectiveness of the programme.		
5.10.1	Procedures for revising the "standards" or "alert levels".		
5.10.2	Criteria to be taken into account during the review includes:		
	a. Utilisation (high / low / seasonal)		
	b. Fleet commonality.		
	c. Alert Level adjustment criteria.		
	d. Adequacy of data.		
	e. Reliability procedure audit.		
	f. Staff training.		
	g. Operational and maintenance procedures		
5.11	Approval of organisation to implement maintenance programme changes arising from the reliability programme results:		
	a. Does the reliability programme monitor the content of the maintenance programme in a comprehensive manner?		
	<ul><li>b. Is appropriate control exercised by the owner / operator over the internal validation of such changes?</li></ul>		
6	Pooling Arrangements.		
6.1	Pooling information – must be substantially the same, including:		
	a. Certification / modification / SB compliance		
	b. Operational Factors		
	c. Maintenance factors		
6.2	Is there a substantial amount of commonality/has the CAA agreed?		
6.3	Is the aircraft on short-term lease? CAA may grant more flexibility.		
6.4	Changes to any M.A.(G) requires assessment in order that the pooling benefits can be maintained.		
6.5	Reliability programme managed by the aircraft manufacturer if agreed by the CAA.		

COMMENTS					
NO.		NOTE			
	CICNATURE OF				
AIRW	SIGNATURE OF ORTHINESS INSPECTOR	NAME IN BLOCK LETTERS	DATE		