

CIVIL AVIATION

**AUTHORITY** 

Section/division: Telephone number:
Physical address
Postal address: Flight Operations 011-545-1000

Form Number: CA 121-07

011-545-1000 Fax Number: 011-545-1210 or 011-545-1013
Ikhaya Lokundiza, 16 Treur Close, Waterfall Park, Bekker Street, Midrand, Gauteng
Private Bag X73, Halfway House 1685 Website: www.caa.co.za

## **PART 121 OPERATIONS** MANUAL APPROVAL CHECKLIST

OPE	RATIONS MANUAL FOR		
Oper	ator:		
Air S	ervice Licence No:		
	s of Licence :		
	of Air Service :		
Cate	gory of Aircraft :	<u> </u>	
Ī			
	THE OM IS COMPLIANT	THE OM IS NON-COMPLIANT	
	APPROVED	NOT APPROVED	
REM	ARKS		
		e to the non-compliance/compliance indicated	d on the attached
	sment checklists. Additional information by the		
	•		
ADD	ITIONAL CHECKLISTS	YES	NO
Chec	cklist for DG attached		
Chec	cklist for Security Attached		
	cklist for Airworthiness attached		
	cklist for Avmed attached		
	cklist for Safety Management Manual		
	cklist for Quality Manual Review CA A	OC-C-004	
5,100	Sales for Quality Mariaal Review OA A		L

121.04.2	REGULATION	NA	Acceptable	Unacceptable	Note no				
1	STRUCTURE OF OPERATIONS MANUAL								
	An operator must ensure that the main structure of the								
	Operations Manual is as follows:								
	Part 1: General								
	This part must comprise all non-type related operational policies and procedures needed for a safe operation and								
	must comply with CARs Part 121, 92, 111, 91,140 and all								
	other applicable CARs.								
	Part 2: Aeroplane operating matters								
	This part must comprise all type-related operational								
	policies and procedures needed for a safe operation. It								
	must take account of the different types of aeroplanes or variants used by the operator.								
	Part 3: Route and Aerodrome instructions and								
	information								
	This part must comprise all instructions and information								
	needed for the area of operation.								
	Part 4: Training								
	This part must comprise all training instruction of								
	personnel required for safe operation.  An operator must ensure that the contents of the								
	operations manual are in accordance with paragraph 2 of								
	the technical standard 121.04.2, and relevant to the area								
	and type of operation.								
	An operator must ensure that the Director of Civil Aviation								
	(DCA) approves the detailed structure of the operations manual.								
2.	CONTENTS OF THE OPERATIONS MANUAL								
2.1	PART 1: GENERAL								
2.1.1	Administration and control of the operations manual								
	1. Introduction								
	(a) A statement that the manual complies with Part 121								
	CARs and with the terms and conditions of the applicable								
	operating certificate.								
	(b) A statement that where any person is confronted with								
	an operational situation not contemplated by the operations manual, such person will be expected to act in								
	accordance with his or her most conservative discretion.								
	From the amount of the amount of the amount is a social and								
	Furthermore, where any part of the manual is considered								
	to be repugnant to any provision referred to in sub-								
	to be repugnant to any provision referred to in sub- paragraph (a), such person shall comply with the								
	to be repugnant to any provision referred to in sub- paragraph (a), such person shall comply with the respective legal statute and report the discrepancy to the								
	to be repugnant to any provision referred to in sub- paragraph (a), such person shall comply with the respective legal statute and report the discrepancy to the Operations Manager by the quickest means possible;								
	to be repugnant to any provision referred to in sub- paragraph (a), such person shall comply with the respective legal statute and report the discrepancy to the								
	to be repugnant to any provision referred to in sub- paragraph (a), such person shall comply with the respective legal statute and report the discrepancy to the Operations Manager by the quickest means possible; (c) A statement that the manual contains operational instructions that is to be complied with by the relevant personnel.								
	to be repugnant to any provision referred to in sub- paragraph (a), such person shall comply with the respective legal statute and report the discrepancy to the Operations Manager by the quickest means possible; (c) A statement that the manual contains operational instructions that is to be complied with by the relevant personnel. (d) A list and brief description of the various parts, their								
	to be repugnant to any provision referred to in sub- paragraph (a), such person shall comply with the respective legal statute and report the discrepancy to the Operations Manager by the quickest means possible; (c) A statement that the manual contains operational instructions that is to be complied with by the relevant personnel. (d) A list and brief description of the various parts, their contents, applicability and use								
	to be repugnant to any provision referred to in sub- paragraph (a), such person shall comply with the respective legal statute and report the discrepancy to the Operations Manager by the quickest means possible; (c) A statement that the manual contains operational instructions that is to be complied with by the relevant personnel.  (d) A list and brief description of the various parts, their contents, applicability and use  (e) Explanations and definitions of terms and words								
	to be repugnant to any provision referred to in sub- paragraph (a), such person shall comply with the respective legal statute and report the discrepancy to the Operations Manager by the quickest means possible; (c) A statement that the manual contains operational instructions that is to be complied with by the relevant personnel.  (d) A list and brief description of the various parts, their contents, applicability and use (e) Explanations and definitions of terms and words needed for the use of the manual								
	to be repugnant to any provision referred to in sub- paragraph (a), such person shall comply with the respective legal statute and report the discrepancy to the Operations Manager by the quickest means possible; (c) A statement that the manual contains operational instructions that is to be complied with by the relevant personnel.  (d) A list and brief description of the various parts, their contents, applicability and use  (e) Explanations and definitions of terms and words								
	to be repugnant to any provision referred to in sub- paragraph (a), such person shall comply with the respective legal statute and report the discrepancy to the Operations Manager by the quickest means possible; (c) A statement that the manual contains operational instructions that is to be complied with by the relevant personnel.  (d) A list and brief description of the various parts, their contents, applicability and use  (e) Explanations and definitions of terms and words needed for the use of the manual  (f) provisions for the issuance of an a operations manual in separate parts corresponding to specific aspects of operations, provided in accordance; and								
	to be repugnant to any provision referred to in sub- paragraph (a), such person shall comply with the respective legal statute and report the discrepancy to the Operations Manager by the quickest means possible; (c) A statement that the manual contains operational instructions that is to be complied with by the relevant personnel.  (d) A list and brief description of the various parts, their contents, applicability and use  (e) Explanations and definitions of terms and words needed for the use of the manual  (f) provisions for the issuance of an a operations manual in separate parts corresponding to specific aspects of operations, provided in accordance; and  (g) a brief description of the operator's manual system								
	to be repugnant to any provision referred to in sub- paragraph (a), such person shall comply with the respective legal statute and report the discrepancy to the Operations Manager by the quickest means possible; (c) A statement that the manual contains operational instructions that is to be complied with by the relevant personnel.  (d) A list and brief description of the various parts, their contents, applicability and use  (e) Explanations and definitions of terms and words needed for the use of the manual  (f) provisions for the issuance of an a operations manual in separate parts corresponding to specific aspects of operations, provided in accordance; and								

CA 121-07 Page 2 of 19
------------------------

		1		
	operations personnel have been provided all information			
	necessary for the performance of their duties. Such			
	description must also indicate which of such manuals will			
	be available on board an aeroplane during flight time.			
	System of amendment and revision			
	(a) Who is responsible for the issuance and insertion of			
	amendments and revisions?			
	(b) A record of amendments and revisions with insertion			
	dates and effective dates.			
	(c) A statement that handwritten amendments and			
	revisions are not permitted except in situations requiring			
	immediate amendment and revision in the interest s of			
	aviation safety.			
	(d) A description of the system for the annotation of pages			
	and their effective dates.			
	(e) A list of effective pages			
	(f) Annotation of changes (on text pages and, as far as			
	practicable, on charts and diagrams)			
	(g) Temporary revisions			
	(h) A description of the distribution system for the			
	manuals, amendments and revisions.			
2.1.2	Organisation and responsibilities			
	Organizational structure			
SACAR/	A description of the organizational structure including the			
SACATS	general organogram and operations department			
121.06.2	organogram. The organogram must depict the			
	relationship between the Operations Department and the			
	other Department of the organisation. In particular, the			
	subordination and reporting lines of all divisions,			
	department etc., which pertain to the safety of flight			
	operations, must be shown.			
	Nominated Post holders			
	The name of each nominated post holder responsible for			
	flight operations, the maintenance system, flight crew			
	training and ground operations. A description of their			
	function and responsibilities must be included			
	<ol><li>Responsibilities and duties of Operations</li></ol>			
	management personnel			
	A description of the duties, responsibilities and authority			
	of operations management personnel pertaining to the			
	safety of flight operations and the compliance with the			
	applicable CARs.			
	4. Responsibilities of ground handling functions			
	Does the Operator have an organization and			
	management system, including definition of			
	responsibilities and authority, for the management of all			
ŀ	ground handling functions associated with:			
ŀ	(i) ramp operations,			
ŀ	(ii) passenger services,			
	(iii) baggage services,			
	(iv) cabin services,			
	(v) weight and balance control,			
	(vi) ground support equipment and			
	(vii) fuel services			
	<ol><li>A statement defining the authority, duties and</li></ol>			
	responsibilities of pilot-in-command			
	<ol><li>A statement defining the duties and</li></ol>			
	responsibilities of flight crew members other than			
	pilot in command			
CA 121 07	46 Amril 2040		1	 of 10

2.1.3	Operati	on control and supervision			
SACATS 121.07.13	1)	Does the OCS ensure that there is an exercise of authority over the formulation, execution and amendment of an operational flight plan in respect of a flight?			
	(i)	Does the operator have a Type A or B OCS			
	(i)	A description of the system for supervision of the operation by the operator. This must show how the safety of flight operations and the qualifications of personnel are supervised. In particular, the procedures related to the following items must be described			
	(a)	Licence and qualification validity (Part 121 subpart 3)			
	(b)	Competence of operations personnel; and			
	(ii)	Control, analysis and storage of records, flight documents, additional information and data			
	2)	System of promulgation of additional operational instruction and info.			
	(i)	A description of any system for promulgating information, which may be of an operational nature but is supplementary to that in the operations manual. The applicability of this information and the responsibilities for its promulgation must be included.			
	3)	Operational Control			
	.,	A description of the procedures and responsibilities necessary to exercise operational control with respect to flight safety			
		Subcontracting Policy and Procedures A description of policies and procedures for third parties that perform work on the air service operator's behalf.			
2.1.4	SAFET	Y MANAGEMENT SYSTEM	<u> </u>		
SACAR 140	respons policies manage be cont size and require	iption of the organisation of, roles and sibilities of the personnel employed in, and and procedures associated with the safety ement system. The description of the SMS may ained in a separate manual depending upon the d complexity of the operator. AS per Part 140 ments (Complete Safety Management Manual ion Checklist			
2.1.5		TY MANAGEMENT SYSTEM			
SACAR 121.10.7	respons and pro integrat be cont manual of the o	iption of the organisation of, roles and sibilities of the personnel employed in, and policies cedures associated with the QMS, which may be ed with the SMS. The description of the QMS may ained in the SMS manual or a quality management (QMM) depending upon the size and complexity perator. (Complete Quality Manual Review at CA AOC-C-004)			

CA 121-07	16 April 2019	Page 4 of 19

2.1.6	(1)FLIGHT CREW COMPOSITIONS			
	An explanation of the method for determining flight crew			
SACAR 121.02.1	compositions taking into account of the following:			
121.02.1	a) The type of aeroplane being used			
	b) The area and type of ops being undertaken			
	c) The phase of the flight			
	d) The minimum flight crew requirement and flight &			
	duty period planned			
	e) Experience (total and on type), recency and			
	qualification of the flight crew members; and			
	f) The designation of the pilot-in-command and, if			
	necessitated by the duration of the flight, the			
	procedures of the relief of the pilot-in-command or			
	other members of the flight crew  (2) Designation of the Pilot-in-command			
	The rules applicable to the designation of the pilot-in-			
	command			
	(3) Flight crew incapacitation			
	Instruction on the succession of command in the event of			
	flight crew incapacitation			
2.1.7	Qualification Requirements			
2.1.7	(1) A Description of the required licence rating(s)			
	qualification/competency (e.g. for routes &			
	aerodromes) experience training, checking and			
	recency for operations personnel to conduct their			
	duties. Consideration must be given to the aeroplane			
	type kind of operation and composition of flight crew			
	(2) Flight Deck Crew			
	a) Pilot-in-command			
	b) Co-pilot			
SACAR	c) Pilot under supervision			
121.02.9	<li>d) Operation on more than one type or variant</li>			
	(3) Cabin crew			
	a) Senior Cabin crew member			
	b) Required cabin crew member and			
SACAR	additional crew member during			
121.02.11	familiarization flights.			
	c) Operation on more than one type or			
	variant.			
	(4) Training, checking and supervision personnel			
	a) For flight deck crew			
	b) For cabin crew			
0.4.0	(5) Other operations personnel			
2.1.8	Flight crew health precautions			
SACAR	The relevant regulations and guidance to flight crew members concerning health including: -			
91.02.3	a) Alcohol and other intoxicating liquor			
	b) Narcotics			
	c) Drugs			
	d) Sleeping tablets			
	e) Pharmaceutical preparations			
	f) Immunization			
	g) Scuba diving			
	h) Blood donation			
	i) Meal precautions prior to and during flight			
	j) Sleep and rest and		 	
	k) Surgical operations			
	in the state of th	l	I	L

	Note:	see document SA-CATS-67	
2.1.9		t time limitations	
2.1.5		ight and Duty period limitations and rest	
SACATS		rements	
121.02.13	-		
121.02.13	•	response of the figure and day points	
		limitation and rest requirements prescribed in the	
		Technical Standards as applicable to the	
		operation. (Including Flight Ops Officers and	
	(O) F	Flight Followers)	
		cceedances of flight time and duty period	
	limitat	ation and/or reduction of rest periods.	
	•	Conditions under which flight time and duty period	
		may be exceed or rest period may be reduced	
		and the procedures used to report these	
	_	modifications.	
2.1.10	•	ating Procedures	
	(1) Flig	ight preparation instructions	
	a)	, , , , , , , , , , , , , , , , , , , ,	
		method of determination and application of	
		minimum altitudes including:	
		I. A procedure to establish the minimum	
		altitudes/FL for VFR flights; and	
		II. A procedure to establish the minimum	
		altitudes/FL for IFR flights.	
	b)	, , , , , , , , , , , , , , , , , , ,	
		aerodromes	
	c)		
		minima for IFR flights in accordance with	
		TS 91.07.5. Reference must be made to	
		procedures for the determination of the visibility	
		and/or runway visual range and for the	
		applicability of the actual visibility observed by the	
		pilots, the reported visibility and the reported	
		runway visual range;	
	d)		
		or VFR portions of a flight;	
	e)	, , , , , , , , , , , , , , , , , , , ,	
		route operating minima, including the increase of	
		aerodrome operating minima in case of	
		degradation of approach or aerodrome facilities	
	f)	· · · · · · · · · · · · · · · · · · ·	
		Explanatory material on the decoding of MET	
		forecast and MET reports relevant to the area of	
		operations, including the including the	
		interpretation of conditional expressions.	
	g)		
		and water methanol to be carried, are determined	
		and monitored in flight. This section must also	
		include instructions on the measurement and	
		distribution of the fluid carried on board. Such	
		instructions must take account of all	
		circumstances likely to be encountered on the	
		flight, including the possibility of in-flight	
		replanning and of failure of one or more of the	
		aeroplane's power plants or loss of	
		pressurisation. The system for maintaining fuel	
		and oil records must also be described	
	h)	, , , , , , , , , , , , , , , , , , , ,	
		including: -	

CA 121-07 Page 6 of 19
------------------------

	Definitions;			
<u>I.</u>				
ll.	, i			
	for preparation and acceptance of mass			
	and Centre of gravity calculations			
lli.	, , ,			
1)/	and/or actual masses			
IV.	9 11			
<u> </u>	passenger, baggage and cargo masses			
V.	11 1 5 55 5			
	masses for various types of operations			
	and aeroplane type			
VI.				
	necessary for verification of the various			
	types of mass and balance			
\/\	documentations in use			
VII.	<u> </u>			
VIII.	, , ,			
137	methanol; and	-		
IX.	01 71			
	S flight plan			
	cedures and responsibilities for the			
	paration and submission of the air traffic			
	vice flight plan. Factors to be considered			
	ude the means of submission for both			
	vidual and repetitive flight plans.			
	erational Flight Plan			
	cedure and responsibilities for the preparation			
	acceptance of the operational flight plan. The of the operational flight plan must be			
	cribed including samples of the operational			
	It plan formats in use			
	erator's flight folio			
	responsibilities and the use of the operator's			
	at folio must be described, including samples			
	ne format used. A technical log may be used in			
	e of a flight folio, if it contains the required			
	rmation as per TS 91.03.5; and			
	of documents, forms and additional			
	rmation to be carried as per CAR 121.04.1.			
	handling instructions			
a) Fue	Procedures; a description including: -			
l.	Safety precautions during refueling and			
	defueling including when an APU is in			
	operation or when a turbine engine is			
	running and the prop-brakes are on;			
II.	5			
	passengers are embarking, on-board or			
	disembarking; and			
III.	•			
	fuels.			
IV.	1 7 1 1 7			
	escription of the handling procedures to be			
	d when allocating seats and embarking and			
	embarking passengers and when loading and			
	pading the aeroplane. Further procedures,			
	ed at achieving safety whilst the aeroplane is			
	he apron, must also be given. Handling cedures must include –			
	disembarking of persons;			
	alsombarking of persons,	1		<u> </u>

1			1	Τ	1
(ii)	sick passengers and persons with reduced mobility;				
(iii)	transportation of inadmissible passengers, deportees or persons in custody;				
(iv)	permissible size and weight of hand baggage;				
(v)	loading and securing of items in the aeroplane;				
(vi)	special loads and classification of load compartments;				
(vii)	positioning of ground equipment;				
(viii)	operation of aeroplane doors;				
(ix)	safety on the apron, including fire prevention,				
, ,	blast and suction areas;				
(x)	start-up, ramp departure and arrival				
	procedures;				
(xi)	servicing of aeroplanes;				
(xii)	documents and forms for aeroplane handling; and				
(xiii)	multiple occupancy of aeroplane seats;				
	procedures to ensure that persons who appear to				
	be intoxicated or who demonstrate by manner or				
	physical indications that they are under the				
	nfluence of drugs, except medical patients under				
	proper care, are refused embarkation;				
	a description of the de-icing and anti-icing policy				
	and procedures for aeroplanes on the ground.				
	These must include descriptions of the types and effects of icing and other contaminants on				
	aeroplanes whilst stationary during ground				
	movements and during take-off. In addition, a				
	description of the fluid types used must be given				
	ncluding –				
	(i) proprietary or commercial names;				
	(ii) characteristics;				
	(iii) effects on aeroplane performance;				
	(iv) hold-over times; and				
	(v) Precautions during usage.				
(e)	Does the Operator who uses the services of an				
` '	external ground handling agent or service				
l	provider, have a contract with the agent or				
	provider that specifies details for applicability of,				
	and compliance with the operation standards of				
	the Operator?				
	Does the Operator have a process to ensure				
	applicable external ground handling agents or				
	service providers receive current manuals and				
	revisions on a timely basis?  Does the Operator have a surveillance or	+			
	oversight programme applicable to external				
	ground handling agents or service providers to				
	ensure that all ground handling operations				
	performed for the Operator are conducted in				
	conformity with Operator and applicable				
	Regulatory requirements?				
	t procedures				
	a description of the policy for allowing flights to be				
	made under VFR, or of requiring flights to be				
	made under IFR, or of changing from one to the				
	other.				
<u>'</u>	·····		<u>I</u>	I	<u> </u>

	(b)	a descript	ion of all navigation	procedures relevant			
	` ,		e(s) and area(s) of o				
			t required to operat				
			tion must be given				
		(i) standa	ard navigation proc	edures including			
			for carrying out ind				
				es where these affect			
		the flig	ght path to be follow	red by the			
		aerop	lane;				
		(ii) RVSM	1 as contemplated i	n technical standard			
			.31 in Document SA				
			MNPS and POLAR				
			ation in other desigr	nated areas;			
		(iv) RNAV	,				
			nt replanning; and				
			dures in the event of	of system			
	( )		dation				
	(c)			io listening watch is			
	( 1)	maintaine					
	(d)	instruction					
		( )	e use of normal che	ecklists and the			
			ming of such use;				
			eparture contingend				
-			timeter setting proc				
			titude alerting syste stabilised approach				
			nitation on high rate				
			e surface;	3 of descent fleat			
			e conduct of instrur	ment annroaches			
				quired to commence			
			to continue an inst				
			RM procedures at r				
	(e)		ound proximity war				
	(0)	procedure		mig cyclom			
	(f)			use of TCAS/ACAS			
			procedures for in-				
	(3)	managem	•	<b>3</b> · · · ·			
	(h)		es for operating in, a	and/or avoiding,			
	( )			g of special, routine			
		and non-re	outine meteorologic	al observations			
			phase of flight and				
			s atmospheric cond	itions including –			
			derstorms;				
			conditions;				
			ulence;				
		IV. Wind	•				
			ream;				
			anic ash clouds;				
			y precipitation;				
		VIII. Sand	·				
			ntain waves; and				
	<i>/</i> //		ficant temperature i	nversions.			
	(i)	Wake turb		-1.1	-		
			separation criteria, t				
			vind conditions and				
	(j)	•	s in the event that a				
ŀ			s taken while en rou e necessity of givin				
			e necessity of givin TS unit prior warnin				
		^	TO WAITIN	y or the situation	1		

and of obtaining a provisional descent clearance; and  (ii) the action to be taken in the event that communication with the ATS unit cannot be established or is interrupted;  (k) Flight crew members at their stations  The requirements for flight crew members to occupy their assigned stations or seats during the different phases of flight or whenever deemed necessary in the interests of aviation safety.  (l) Use of safety belts for flight crew and passengers The requirement for flight crew and passengers to use safety belts and/or harnesses during the	
(ii) the action to be taken in the event that communication with the ATS unit cannot be established or is interrupted;  (k) Flight crew members at their stations  The requirements for flight crew members to occupy their assigned stations or seats during the different phases of flight or whenever deemed necessary in the interests of aviation safety.  (l) Use of safety belts for flight crew and passengers  The requirement for flight crew and passengers to use safety belts and/or harnesses during the	
communication with the ATS unit cannot be established or is interrupted;  (k) Flight crew members at their stations  The requirements for flight crew members to occupy their assigned stations or seats during the different phases of flight or whenever deemed necessary in the interests of aviation safety.  (l) Use of safety belts for flight crew and passengers  The requirement for flight crew and passengers to use safety belts and/or harnesses during the	
be established or is interrupted;  (k) Flight crew members at their stations  The requirements for flight crew members to occupy their assigned stations or seats during the different phases of flight or whenever deemed necessary in the interests of aviation safety.  (l) Use of safety belts for flight crew and passengers  The requirement for flight crew and passengers to use safety belts and/or harnesses during the	
(k) Flight crew members at their stations  The requirements for flight crew members to occupy their assigned stations or seats during the different phases of flight or whenever deemed necessary in the interests of aviation safety.  (l) Use of safety belts for flight crew and passengers  The requirement for flight crew and passengers to use safety belts and/or harnesses during the	
The requirements for flight crew members to occupy their assigned stations or seats during the different phases of flight or whenever deemed necessary in the interests of aviation safety.  (I) Use of safety belts for flight crew and passengers  The requirement for flight crew and passengers to use safety belts and/or harnesses during the	
occupy their assigned stations or seats during the different phases of flight or whenever deemed necessary in the interests of aviation safety.  (I) Use of safety belts for flight crew and passengers The requirement for flight crew and passengers to use safety belts and/or harnesses during the	
different phases of flight or whenever deemed necessary in the interests of aviation safety.  (I) Use of safety belts for flight crew and passengers  The requirement for flight crew and passengers to use safety belts and/or harnesses during the	
necessary in the interests of aviation safety.  (I) Use of safety belts for flight crew and passengers  The requirement for flight crew and passengers to use safety belts and/or harnesses during the	
(I) Use of safety belts for flight crew and passengers  The requirement for flight crew and passengers to use safety belts and/or harnesses during the	
The requirement for flight crew and passengers to use safety belts and/or harnesses during the	
use safety belts and/or harnesses during the	
different phases of flight or whenever deemed	
necessary in the interest of aviation safety.	
(m) Admission to flight deck	
The conditions for the admission to the flight deck	
of persons other than the flight crew.	
(n) Use of vacant flight crew seats	
The conditions and procedures for the use of vacant flight	
crew seats	
(o) Incapacitation of flight crew members	
Procedures to be followed in the event of	
incapacitation of a flight crew members in flight.	
Examples of the types of incapacitation and the	
means for recognizing them must be included.	
(p) Procedure covering –	
pilot-in-command to report promptly to ATC a	
suspected communicable disease.The report	
required by CAR 91.07.21 to the air traffic	
control shall contain, in addition to the person	
suspected of being infected, the following	
details –	
(i) aircraft identification;	
(ii) departure aerodrome including all	
technical or other stops; (iii) destination aerodrome;	
(iv) estimated time of arrival;	
(v) number of persons on board; (vi) number of suspected cases on board;	
and	
(vii) nature of the public health risk, if known.	
II. Cabin preparation for flight, in-flight	
requirements and preparation for landing	
including procedures for securing cabin and	
galleys;	
III. procedures to ensure that passengers are	
seated where, in the event that an emergency	
evacuation is required, they may best assist	
and not hinder evacuation from the	
aeroplane;	
IV. procedures to be followed during passenger	
embarkation and disembarkation;	
V. procedures in the event of fuelling with	
passengers on board or embarking and	
disembarking; and	
VI. smoking on board;	
(q) Passenger Briefing procedures	
The contents, means and timing of passenger	

CA 121-07	16 April 2019	Page 10 of 19

briefing in accordance with CAR 91.07.20 and 121.07.42  (r) lists of the survival and emergency equipment required for each route or area of operation and the procedures to ensure such equipment has been inspected and/or is functioning properly prior to departure;  (s) information and instructions relating to the interception of civil aircraft including —  I. procedures for pilots-in-command of intercepted aircraft; and  II. visual signals for use by intercepting and intercepted aircraft;  (t) procedures for aeroplanes operated whenever required cosmic or solar radiation detection equipment is carried;	
(r) lists of the survival and emergency equipment required for each route or area of operation and the procedures to ensure such equipment has been inspected and/or is functioning properly prior to departure;  (s) information and instructions relating to the interception of civil aircraft including —  I. procedures for pilots-in-command of intercepted aircraft; and  II. visual signals for use by intercepting and intercepted aircraft;  (t) procedures for aeroplanes operated whenever required cosmic or solar radiation detection	
required for each route or area of operation and the procedures to ensure such equipment has been inspected and/or is functioning properly prior to departure;  (s) information and instructions relating to the interception of civil aircraft including —  I. procedures for pilots-in-command of intercepted aircraft; and  II. visual signals for use by intercepting and intercepted aircraft;  (t) procedures for aeroplanes operated whenever required cosmic or solar radiation detection	
the procedures to ensure such equipment has been inspected and/or is functioning properly prior to departure;  (s) information and instructions relating to the interception of civil aircraft including —  I. procedures for pilots-in-command of intercepted aircraft; and  II. visual signals for use by intercepting and intercepted aircraft;  (t) procedures for aeroplanes operated whenever required cosmic or solar radiation detection	
been inspected and/or is functioning properly prior to departure;  (s) information and instructions relating to the interception of civil aircraft including —  I. procedures for pilots-in-command of intercepted aircraft; and  II. visual signals for use by intercepting and intercepted aircraft;  (t) procedures for aeroplanes operated whenever required cosmic or solar radiation detection	
(s) information and instructions relating to the interception of civil aircraft including —  I. procedures for pilots-in-command of intercepted aircraft; and  II. visual signals for use by intercepting and intercepted aircraft;  (t) procedures for aeroplanes operated whenever required cosmic or solar radiation detection	
interception of civil aircraft including —  I. procedures for pilots-in-command of intercepted aircraft; and  II. visual signals for use by intercepting and intercepted aircraft;  (t) procedures for aeroplanes operated whenever required cosmic or solar radiation detection	
I. procedures for pilots-in-command of intercepted aircraft; and  II. visual signals for use by intercepting and intercepted aircraft;  (t) procedures for aeroplanes operated whenever required cosmic or solar radiation detection	
II. visual signals for use by intercepting and intercepted aircraft;  (t) procedures for aeroplanes operated whenever required cosmic or solar radiation detection	
intercepted aircraft;  (t) procedures for aeroplanes operated whenever required cosmic or solar radiation detection	
required cosmic or solar radiation detection	1
equipment is carried,	
	1
(u) procedures for the use of cosmic or solar radiation detection equipment and for recording	
its readings including actions to be taken in the	
event that limit values specified in the operations	
manual are exceeded; and	
(v) procedures for the use of head-up displays (HUD)	
and enhanced vision systems (EVS) equipment	
as applicable.	
(4) All weather operations	
(5) Extended Diversion Time Operations (ETOPS applies)	
(6) Use of the minimum equipment and configuration deviation list(s).	
(7) Development and use of standard operating	
procedures (SOPs) whether stand alone or as	
part of an aeroplane operating manual (AOM)	
(8)Non revenue flights	
Procedures and limitations for: -	
a) Training flights	
b) Test flights	
c) Delivery flights	
d) Ferry flights e) Demonstration flights and	-
e) Demonstration flights and f) Positioning flights	
Including the kind of persons who may be carried on such	
flights.	
(8) Oxygen requirements	
a) An explanation of the condition under which	
oxygen must be provided and used.	
b) The oxygen requirements specified for: -	
I. Flight deck crew	
II. Cabin crew	
III. passengers	
2.1.11 Dangerous Goods and weapons (DG section to approve)	
2.1.11 Dangerous Goods and weapons (DG section to approve)  (1) Information instruction and general guidance on	
2.1.11 Dangerous Goods and weapons (DG section to approve)  (1) Information instruction and general guidance on the conveyance of dangerous good including	
2.1.11 Dangerous Goods and weapons (DG section to approve)  (1) Information instruction and general guidance on the conveyance of dangerous good including  a) Operator's policy on the conveyance of	
2.1.11  Dangerous Goods and weapons (DG section to approve)  (1) Information instruction and general guidance on the conveyance of dangerous good including  a) Operator's policy on the conveyance of dangerous goods;	
2.1.11 Dangerous Goods and weapons (DG section to approve)  (1) Information instruction and general guidance on the conveyance of dangerous good including  a) Operator's policy on the conveyance of	

	and consenting of degrees and a		<u> </u>	
	and segregation of dangerous goods;			
	c) Procedures for responding to emergency			
	situations involving dangerous goods;			
	<ul> <li>d) Duties of all personnel involved as</li> </ul>			
	referred to in a Part 92; and			
	<ul> <li>e) Instruction on the carriage of the</li> </ul>			
	operator's employees.			
	(2) The conditions under which weapons, munitions			
	of war and sporting weapons may be carried.			
2.1.12	Security (Avsec to approve)			
	(1) Security instructions and guidance of a non-			
	confidential nature, which must include the			
	authority, and responsibilities of operations			
	personnel. Policies and procedures for handling			
	and reporting crime on board such as unlawful			
	interference, sabotage, bomb threats and			
Part 111				
rail III	hijacking must also be included			<u> </u>
	(2) A description of preventative security measures			
	and training			
	<b>Note:</b> Parts of the security instructions and guidance may			
	be kept confidential.			
2.1.13	Handling of aviation Accidents and Incidents	<b>F</b>	J	•
	Procedures for the handling, notifying and reporting of			
	aviation accidents and incidents, this section must: -			
	(1) Definitions of aviation accidents and incidents and			
	the relevant responsibilities of all persons			
	involved;			
	(2) The description of which operator departments,			
	authorities or other institutions have to be notified			
	by which means an in which sequence in case of			
	an aviation accident.			
	(3) Special notification requirements in the event of			
	an aviation accident or incident when dangerous			
	goods are being carried;			
	(4) A description of the requirements to report			
	specific aviation accidents and incidents			
	(5) The forms used for reporting and the procedure			
	for submitting them to the relevant authority must			
	also be included; and			<u> </u>
	(6) If the operator develops additional safety related			
	reporting procedures for its own internal use, a			
	description of the applicability and related forms			
	to be used.			
	(7) Has the air operator established procedures for			
	the retention of flight recorder records and flight			
	recorders in safe custody pending their			
	disposition to the accident or incident			
	investigating team?			
2.1.14	Rules of the Air			
	Rules of the Air including: -			
	(1) Visual and instrument flight rules			
	(2) Territorial application of the rules of the air			
	(3) Communication procedures including COM-failure			
	procedures			
	(4) Information and instructions relating to the			
	interception of civil aeroplanes	1		
	(5) The circumstances in which a radio listening			
	watch is to be maintained	-		
	(6) Signals			

CA 121-07	16 April 2019	Page 12 of 19
1 OA 121-01	10 ADIII 2013	I aue Iz di 13

	(7) Time system used in operation				
	(8) ATC clearance, adherence to flight plan and				
	position reports				
	(9) Visual signals used to warn unauthorized				
	aeroplanes flying in or about to enter a restricted,				
	prohibited or danger area				
	(10)Procedures for pilots observing an aviation				
	accident or receiving a distress transmission				
	(11)The ground/air visual codes for use by survivors,				
	description and use of signal aids	1			
DADTO	(12)Distress and urgency signals				
PART 2 2.2	AEROPLANE OPERATING MATTERS – TYPE RELATED Taking account of the differences between types and variant taking account of the differences between types and variant taking account of the differences between types and variant taking account of the differences between types and variant taking account of the differences between types and variant taking account of the differences between types and variant taking account of the differences between types and variant taking account of the differences between types and variant taking account of the differences between types and variant taking account of the differences between types and variant taking account of the differences between types and variant taking account to the differences between types and variant taking account to the differences between types and variant taking takin		unas under the	following booding	70
2.2	General information and units of measurement	ווס טו ניַ	ypes under the	Tollowing neading	Jo
2.2.1	General information (e.g. aeroplane dimensions) including				
2.2.1	a description of the units of measurement used for the				
	operation of the aeroplane type concerned and conversion tables				
2.2.2	Limitations				
2.2.2					
	A description of the certified limitations and the applicable				
	operational limitations including: -  1. Certification status				
		-			
	Passengers seating configuration for each				
	<ul><li>aeroplane type including a pictorial presentation</li><li>3. Types of operations that are approved (e.g</li></ul>				
	IFR/VFR, CAT II/III,etc.)				
	4. Flight crew composition;	1			
	5. Mass and Centre of gravity;	-			
	<u> </u>	1			
	6. Speed limitations;				
	<ol><li>Flight envelope(s);</li></ol>				
	8. Wind limits including operations on contaminated				
	runways;				
	Performance limitations for applicable				
	configurations;				
	10. Runway slope;				
	<ol><li>Limitations on wet or contaminated runways;</li></ol>				
	12. Airframe contamination; and				
	13. System limitations				
2.2.3	Normal procedures				
2.2.0	-				
	The normal procedures and duties to the flight crew the appropriate check-list, the system for use of the check-list				
	and a statement covering the necessary coordination				
	procedures between flight deck crew and cabin crew. The				
	following normal procedures and duties must be included-				
	1. Pre-flight;				
	2. Pre-departure;				
	Altimeter setting and checking;				
	3				
	4. Taxi, take-off and climb;				
	5. Noise abatement;				
	Cruise and descent;				
	7. Approach, landing preparation and briefing;				
	8. VFR approach;				
	9. Instrument approach;				
	a manumentadonoach	1	1	1	1

CA 121-07	16 April 2019	Page 13 of 19
1 CA 121-01	10 ADI 11 2019	raue 13 01 19

	40.10	1	
	10. Visual approach and circling;		
	11. Missed approach;		
	12. Normal landing;		
	13. Post landing; and		
	14. Operation on wet and contaminated runways		
2.2.4	Abnormal and emergency procedures		
2.2.4	The abnormal and emergency and duties assigned to		
	the flight crew the appropriate check list, the system		
	for use of the check list and a statement covering the		
	necessary coordination procedures between flight		
	crew and cabin crew. The following abnormal and		
	emergency procedures and duties must be included: -		
	Flight crew incapacitation		
	Fire and smoke drills		
	Unpressurised and partially pressurised flight		
	4. Exceeding structural limits such as overweight		
	landing		
	Exceeding cosmic radiation limits		
	6. Lightning strikes		
	7. Distress communications and alerting ATC to		
	emergencies 8. Engine failure		
	9. System failure		
	Guidance for diversion in case of serious     technical failure		
	11. Ground proximity warning		
	12. TCAS warning		
	13. Windshear		
	14. Emergency landing/ditching		
	15. Emergency Evacuations		
2.2.5	Performance		
	Performance data must be provided in a form in      Which it are be used without difficulty.		
	which it can be used without difficulty  2. Performance material which provides the		
	necessary data for compliance with the		
	performance requirements prescribed in part 1 of		
	this technical standard must be included to allow		
	the determination: -		
	a) Take-off climb limits – mass, altitude,		
	temperature		
	b) Take-off field length (dry, wet,		
	contaminated)		
	c) Net flight path data for obstacle clearance calculation or, where applicable, take-off		
	flight path		
	d) The gradient losses for banked climbouts		
	e) En route climb limits		
	f) Approach climb limits		
	g) Landing climb limits		
	h) Landing field length (dry, wet,		
	contaminated) including the effects of an		
	in-flight failure of a system or device, if it		
	affects the landing distance		
	i) Brake energy limits		
	j) Speeds applicable for the various flight stages (also considering wet or		
	Stages (also considering wet or		

i contract of the contract of		contaminated runwaya)			
	2 (	contaminated runways)			
		Supplementary data covering flights in icing			
	1	conditions			
		Any certificated performance related to an			
		allowable configuration, or configuration deviation	л,		
		such as anti-skid inoperative, must be included.			
		f performance data, as required for the			
		appropriate performance class, is not available i			
		the approved AFM, then other data acceptable t	0		
		the DCA must be included. Alternatively, the			
		operations manual may contain cross-reference			
		to the approved data contained in the AFM when	re		
		such data is not likely to be used often or in an			
		emergency.			
		Additional performance data Where applicable,			
	I	ncluding: -			
		a) All engine climb gradient			
		b) Drift-down data			
		c) Effect of de-icing/anti-icing fluids			
		d) Flight with landing gear down			
		e) For aeroplanes with 3 or more engines,			
		one engine inoperative ferry flights; and			
		f) Flights conducted under the provision of	f		
		the CDL			
CATS		FIONAL FLIGHT PLAN			
121.04.5		perator must ensure that the operational flight			
		used and the entries made during flight contain			
	the fo	ollowing items: -			
	a.	Aeroplane registration;			
	b.	Aeroplane type and variant;			
	C.	Date of flight;			
	d.	Flight identification;			
	_				
1	е.	Names of flight crew members;			
	e. f.	Duty assignment of flight crew members;			
		Duty assignment of flight crew members; Place of departure;			
	f.	Duty assignment of flight crew members;	off		
	f. g. h.	Duty assignment of flight crew members; Place of departure; Time of departure (actual off-block time, take-time)	off		
	f. g. h.	Duty assignment of flight crew members;  Place of departure;  Time of departure (actual off-block time, take-time)  Place of Arrival (planned and actual);	off		
	f. g. h.	Duty assignment of flight crew members; Place of departure; Time of departure (actual off-block time, take-time)	off		
	f. g. h. i. j.	Duty assignment of flight crew members;  Place of departure;  Time of departure (actual off-block time, take-time)  Place of Arrival (planned and actual);  Time of arrival (actual landing and on-block time)	off		
	f. g. h.	Duty assignment of flight crew members; Place of departure; Time of departure (actual off-block time, take-time) Place of Arrival (planned and actual); Time of arrival (actual landing and on-block	off		
	f. g. h. i. j.	Duty assignment of flight crew members; Place of departure; Time of departure (actual off-block time, take-time) Place of Arrival (planned and actual); Time of arrival (actual landing and on-block time) Type of operation (ETOPS, VFR, Ferry flight, etc.)	off		
	f. g. h. i. j.	Duty assignment of flight crew members;  Place of departure;  Time of departure (actual off-block time, take-time)  Place of Arrival (planned and actual);  Time of arrival (actual landing and on-block time)  Type of operation (ETOPS, VFR, Ferry flight, etc.)  Route and route segments with	off		
	f. g. h. i. j.	Duty assignment of flight crew members;  Place of departure;  Time of departure (actual off-block time, take-time)  Place of Arrival (planned and actual);  Time of arrival (actual landing and on-block time)  Type of operation (ETOPS, VFR, Ferry flight, etc.)  Route and route segments with checkpoints/waypoints, distance, time and	off		
	f. g. h. i. j.	Duty assignment of flight crew members;  Place of departure;  Time of departure (actual off-block time, take-time)  Place of Arrival (planned and actual);  Time of arrival (actual landing and on-block time)  Type of operation (ETOPS, VFR, Ferry flight, etc.)  Route and route segments with checkpoints/waypoints, distance, time and tracks;	off		
	f. g. h. i. j.	Duty assignment of flight crew members;  Place of departure;  Time of departure (actual off-block time, take-time)  Place of Arrival (planned and actual);  Time of arrival (actual landing and on-block time)  Type of operation (ETOPS, VFR, Ferry flight, etc.)  Route and route segments with checkpoints/waypoints, distance, time and tracks;  Planned cruising speed and flying times			
	f. g. h. i. j. k.	Duty assignment of flight crew members;  Place of departure;  Time of departure (actual off-block time, take-time)  Place of Arrival (planned and actual);  Time of arrival (actual landing and on-block time)  Type of operation (ETOPS, VFR, Ferry flight, etc.)  Route and route segments with checkpoints/waypoints, distance, time and tracks;  Planned cruising speed and flying times between check-points/waypoints. Estimated at			
	f. g. h. i. j. k.	Duty assignment of flight crew members;  Place of departure;  Time of departure (actual off-block time, take-time)  Place of Arrival (planned and actual);  Time of arrival (actual landing and on-block time)  Type of operation (ETOPS, VFR, Ferry flight, etc.)  Route and route segments with checkpoints/waypoints, distance, time and tracks;  Planned cruising speed and flying times between check-points/waypoints. Estimated at actual times overhead;			
	f. g. h. i. j. k.	Duty assignment of flight crew members;  Place of departure;  Time of departure (actual off-block time, take-time)  Place of Arrival (planned and actual);  Time of arrival (actual landing and on-block time)  Type of operation (ETOPS, VFR, Ferry flight, etc.)  Route and route segments with checkpoints/waypoints, distance, time and tracks;  Planned cruising speed and flying times between check-points/waypoints. Estimated at actual times overhead;  Safe altitudes and minimum levels;			
	f. g. h. i. j. k.	Duty assignment of flight crew members;  Place of departure;  Time of departure (actual off-block time, take-time)  Place of Arrival (planned and actual);  Time of arrival (actual landing and on-block time)  Type of operation (ETOPS, VFR, Ferry flight, etc.)  Route and route segments with checkpoints/waypoints, distance, time and tracks;  Planned cruising speed and flying times between check-points/waypoints. Estimated at actual times overhead;  Safe altitudes and minimum levels;  Planned altitudes and flight levels;			
	f. g. h. i. j. k.	Duty assignment of flight crew members;  Place of departure;  Time of departure (actual off-block time, take-time)  Place of Arrival (planned and actual);  Time of arrival (actual landing and on-block time)  Type of operation (ETOPS, VFR, Ferry flight, etc.)  Route and route segments with checkpoints/waypoints, distance, time and tracks;  Planned cruising speed and flying times between check-points/waypoints. Estimated at actual times overhead;  Safe altitudes and minimum levels;  Planned altitudes and flight levels;  Fuel calculations (records of in-flight fuel			
	f. g. h. i. j. k. l. m) o) p)	Duty assignment of flight crew members;  Place of departure;  Time of departure (actual off-block time, take-time)  Place of Arrival (planned and actual);  Time of arrival (actual landing and on-block time)  Type of operation (ETOPS, VFR, Ferry flight, etc.)  Route and route segments with checkpoints/waypoints, distance, time and tracks;  Planned cruising speed and flying times between check-points/waypoints. Estimated at actual times overhead;  Safe altitudes and minimum levels;  Planned altitudes and flight levels;  Fuel calculations (records of in-flight fuel checks)			
	f. g. h. i. j. k. l. m) o) p)	Duty assignment of flight crew members;  Place of departure;  Time of departure (actual off-block time, take-time)  Place of Arrival (planned and actual);  Time of arrival (actual landing and on-block time)  Type of operation (ETOPS, VFR, Ferry flight, etc.)  Route and route segments with checkpoints/waypoints, distance, time and tracks;  Planned cruising speed and flying times between check-points/waypoints. Estimated at actual times overhead;  Safe altitudes and minimum levels;  Planned altitudes and flight levels;  Fuel calculations (records of in-flight fuel checks)  Fuel on board when starting engines			
	f. g. h. i. j. k. l. m) o) p)	Duty assignment of flight crew members;  Place of departure;  Time of departure (actual off-block time, take-time)  Place of Arrival (planned and actual);  Time of arrival (actual landing and on-block time)  Type of operation (ETOPS, VFR, Ferry flight, etc.)  Route and route segments with checkpoints/waypoints, distance, time and tracks;  Planned cruising speed and flying times between check-points/waypoints. Estimated at actual times overhead;  Safe altitudes and minimum levels;  Planned altitudes and flight levels;  Fuel calculations (records of in-flight fuel checks)  Fuel on board when starting engines  Alternate(s) for destination and, where			
	f. g. h. i. j. k. l. m) o) p)	Duty assignment of flight crew members;  Place of departure;  Time of departure (actual off-block time, take-time)  Place of Arrival (planned and actual);  Time of arrival (actual landing and on-block time)  Type of operation (ETOPS, VFR, Ferry flight, etc.)  Route and route segments with checkpoints/waypoints, distance, time and tracks;  Planned cruising speed and flying times between check-points/waypoints. Estimated at actual times overhead;  Safe altitudes and minimum levels;  Planned altitudes and flight levels;  Fuel calculations (records of in-flight fuel checks)  Fuel on board when starting engines  Alternate(s) for destination and, where applicable, take-off and en route, including	nd		
	f. g. h. i. j. k. l. m) o) p)	Duty assignment of flight crew members;  Place of departure;  Time of departure (actual off-block time, take-time)  Place of Arrival (planned and actual);  Time of arrival (actual landing and on-block time)  Type of operation (ETOPS, VFR, Ferry flight, etc.)  Route and route segments with checkpoints/waypoints, distance, time and tracks;  Planned cruising speed and flying times between check-points/waypoints. Estimated at actual times overhead;  Safe altitudes and minimum levels;  Planned altitudes and flight levels;  Fuel calculations (records of in-flight fuel checks)  Fuel on board when starting engines  Alternate(s) for destination and, where applicable, take-off and en route, including information required in subparagraph (I),(m),(r)	nd		
	f. g. h. i. j. k. l. m)	Duty assignment of flight crew members;  Place of departure;  Time of departure (actual off-block time, take-time)  Place of Arrival (planned and actual);  Time of arrival (actual landing and on-block time)  Type of operation (ETOPS, VFR, Ferry flight, etc.)  Route and route segments with checkpoints/waypoints, distance, time and tracks;  Planned cruising speed and flying times between check-points/waypoints. Estimated at actual times overhead;  Safe altitudes and minimum levels;  Planned altitudes and flight levels;  Fuel calculations (records of in-flight fuel checks)  Fuel on board when starting engines  Alternate(s) for destination and, where applicable, take-off and en route, including information required in subparagraph (I),(m),(m), and (o) above;	nd )		
	f. g. h. i. j. k. l. m) o) p)	Duty assignment of flight crew members;  Place of departure;  Time of departure (actual off-block time, take-time)  Place of Arrival (planned and actual);  Time of arrival (actual landing and on-block time)  Type of operation (ETOPS, VFR, Ferry flight, etc.)  Route and route segments with checkpoints/waypoints, distance, time and tracks;  Planned cruising speed and flying times between check-points/waypoints. Estimated at actual times overhead;  Safe altitudes and minimum levels;  Planned altitudes and flight levels;  Fuel calculations (records of in-flight fuel checks)  Fuel on board when starting engines  Alternate(s) for destination and, where applicable, take-off and en route, including information required in subparagraph (I),(m),(m and (o) above;  Initial ATS flight plan clearance and subseque	nd )		
	f. g. h. i. j. k. l. m)	Duty assignment of flight crew members;  Place of departure;  Time of departure (actual off-block time, take-time)  Place of Arrival (planned and actual);  Time of arrival (actual landing and on-block time)  Type of operation (ETOPS, VFR, Ferry flight, etc.)  Route and route segments with checkpoints/waypoints, distance, time and tracks;  Planned cruising speed and flying times between check-points/waypoints. Estimated at actual times overhead;  Safe altitudes and minimum levels;  Planned altitudes and flight levels;  Fuel calculations (records of in-flight fuel checks)  Fuel on board when starting engines  Alternate(s) for destination and, where applicable, take-off and en route, including information required in subparagraph (I),(m),(m), and (o) above;	nd )		

	t) In-flight re-planning calculations; and			
	u) Relevant meteorological information.			
	Items which are readily available in other			
	documentation or from an acceptable source or which			
	are irrelevant to the type of operation may be omitted			
	from the operational flight plan.			
	3) An operator must ensure that the operational flight			
	plan and its use is described in the operations manual.			
	An operator must ensure that all entries in the			
	operational flight plan are made concurrently and that			
	they are permanent in nature.			
2.2.6	Flight Planning			
	Data and instructions necessary for pre-flight and			
	in-flight planning including factors such as speed			
	schedules and power settings. Where applicable,			
	procedures for engine(s)-out operations.			
	EDTO/ETOPS and flights to isolated aerodromes			
	must be included			
	2. The method for calculating fuel needed for the			
	various stages of flight in accordance with TS			
	121.07.23			
2.2.7	Mass and balance	Augustion of the Control of the Cont		
	Instructions and data for the calculation of the mass and			
	balance including: -			
	<ol> <li>Calculation system (e.g. index system)</li> </ol>			
	2. Information and instruction for completion of mass			
	and balance documentation, including manual			
	and computer generated types;  3. Limiting masses and Centre of gravity of the various versions; and			
4. Dry operating mass and corresponding Centre of				
	gravity or index.			
121.04.9	LOAD AND TRIM SHEET			
	The load and trim sheet must contain the			
	following information			
	<ul> <li>a) The aeroplane registration and type;</li> </ul>			
	b) The flight identification number and date;			
	c) Identify of the pilot-in-command;			
	d) Identify the person who prepared the			
	document;			
	e) Dry operating mass and the			
	corresponding CG of the aeroplane;			
	f) The mass of the fuel at take-off and the			
	mass of trip fuel;			
	g) The mass of consumables other than			
	fuel;			
	<ul> <li>h) The components of the load including</li> </ul>			
	passengers, baggage, freight and ballast;			
	<ul> <li>i) The take-off mass, landing mass and</li> </ul>			
	zero fuel mass;			
	j) The load distribution;			
	k) The applicable aeroplane CG position;			
	and	-		
	I) The limiting mass and CG values			
	2. The person superintending the loading of an			
	aeroplane must certify that the load distribution is			
	in accordance with the requirement s prescribed			

CA 121-07	16 April 2019	Page 16 of 19
 7/ 1/2 I <sup>-</sup> 0/	10 ADIII 2013	I aue 10 01 13

	in the operations manual or flight manual and that
	the maximum certified mass has not been
	exceeded.
	The load and trim sheet must be signed by the
	pilot-in-command unless the load and trim sheet
	is sent to the aeroplane by electronic data
	transfer. When the load and trim sheet is sent to
	the aeroplane by electronic data transfer, a copy
	of the final load and trim sheet, as accepted by
	the pilot-in-command must be available on the
0.0.0	ground.
2.2.8	Loading
	Procedures and provisions for loading and securing the
	load in the aeroplane
2.2.9	Configuration deviation list
	The Configuration Deviation List (CDL), if provided by the
	manufacturer taking account of the aeroplane types and
	variants operated including procedures to be followed
	, , , , , , , , , , , , , , , , , , ,
	when an aeroplane is being dispatched under the terms of its CDL
2.2.10	
2.2.10	Minimum Equipment List ((MEL)
	The MEL taking account of the aeroplane types and
	variants operated and the type(s)/area(s) of operation.
2.2.11	Survival and emergency equipment including oxygen
	A list of the survival equipment to be carried for
	the routes to be flown and the procedures for
	checking the serviceability of this equipment prior
	to take-off. Instructions regarding the location
	accessibility and use of survival and emergency
	equipment and its associated checklist(s) must
	also be included.
	The procedure for determining the amount of
	oxygen required and the quantity that is available.
	The flight profile, number of occupants and
	possible cabin decompression must be
	considered. The information provided must be in
404.04.	a form in which it can be used without difficulty.
121.04.7	RECORDS OF EMERGENCY AND SURVIVAL EQUIPMENT
	Emergency and survival equipment list The
	minimum information to be contained in an
	emergency and survival equipment list, is
	prescribed in CAR 91.01.5
2.2.12	Emergency Evacuation Procedures
	Instructions for preparation for emergency
	evacuation including flight crew coordination and
	emergency station assignment.
	A description of the duties of all crew members for
	the rapid evacuation of an aeroplane and the
	handling of the passengers in the event of a
	forced landing, rejected take-off, ditching or other
	emergency
2.2.13	Aeroplane Systems
	A description of the aeroplane system, related controls
	and indications and operating instructions.
DADTO	ROUTE AND AERODROME INSTRUCTIONS AND INFORMATION
PART 3	
	Instructions and information relating to communications,
2.3	navigations and aerodromes including minimum flight
	levels and altitudes for each route to be flown and

CA 121-07	16 April 2019	Page 17 of 19

	onorci:	na minima for each caradrama planned to be weed		
	operati includii	ng minima for each aerodrome planned to be used ng: -		
	1.	Minimum flight level/altitude;		
	2.	Operating minima for departure, destination and alt aerodrome;		
	3.	instructions for determining aerodrome operating minima for instrument approaches using HUD and EVS;		
	4.	Communication facilities and navigation aids;		
	5.	Runway data and aerodrome facilities;		
	6.	Approach, missed approach and departure procedures including noise abatement procedure;		
	7.	COM-failure procedures;		
	8.	Search and Rescue facilities in the area over		
		which the aeroplane is to be flown;		
	9.	A description of the aeronautical charts that must		
		be carried on board in relation to the type of flight and the route to be flown, including the method to check their validity;		
	10.	Availability of aeronautical information and MET services;		
	11.	En route COM/NAV procedures including holding; and		
	12.	Aerodrome categorization for flight crew competence qualification.		
	13.	Instruction on the clarification and acceptance on ATC clearances, particularly where terrain clearance is involved.		
PART 4	TRAIN			
	opera conn flight.	ing syllabi and checking programmes for all ations personnel assigned to operational duties in ection with the preparation and/or conduct of a Training should be concise and detailed and decover the following aspects: -		
	a)	Conversion training and the curriculum used.		
	b)	Recurrent training and the curriculum used.		
		Simulator training and curriculum used.		
	c) 2.	Training syllabi and checking programmes must		
		include: - for flight deck crew, all relevant items prescribed n Parts 61 and 63 and Subpart 3 of Part 121;		
	b) 1	for cabin crew, all relevant items prescribed in Part 64 and Subpart 3 of Part 121;		
	c) I	For operations personnel concerned, including flight crew members;		
		<ol> <li>All relevant items prescribed in Part 92</li> </ol>		
		II. All relevant items regarding operators security		
	a) l	For operations personnel other than flight crew		
	(	members (e.g. dispatchers/ Flight operations officers, handling personnel, flight followers) all other relevant items pertaining to their duties as persubpart 3 of Part 121		
	b) i	Does the operator have training programmes that nclude initial and recurrent training to ensure that employees engaged in ground handling operations establish and retain their effectiveness in carrying out assigned duties?		

CA 121-07	16 April 2019	Page 18 of 19
1 OA 121-01	10 ADIII 2013	I aue 10 01 13

	3	s. Procedures		
	c)	Procedures for training and checking		
	d)	Procedures to be applied in the event that personnel do not achieve or maintain the required standards.		
	e)	Procedures to ensure that abnormal or emergency situations requiring the application of part or all of abnormal		
	f)	or emergency procedures and simulation of IMC by artificial means, are not simulated during commercial flights.		
2.4	4	<ul> <li>Description of documentation to be stored and storage periods.</li> </ul>		