OPERATOR'S NAME:		LOCATION :
CHECK BY :	CHECK DATE :	SIGNATURE :

Regulatory references:

- *Arrêté N°00606/MINT du 13 septembre 2006 modifiant l'annexe de l'arrêté N°00731/MINT du 07 juin 2005 fixant les conditions d'utilisation des avions par une entreprise de transport aérien.*
- *ICAO PBN Manual (DOC9613).*
- *Cameroonian PBN Operational Approval Handbook.*

Item and N°	Title of document	Indication of inclusion by the operator	State of implementations	Comments by the Inspector
SECTION 1 – OPERATOR APPLICATION				
1.1.	**Airworthiness documents showing aircraft eligibility for RNAV 10 (RNP 10).** AFM, AFM revision, AFM supplement, or Type certificate data sheet (TCDS) showing		☐ Satisfaisant ☐ Non satisfaisant ☐ Sans objet	

	that the LRNS is eligible for RNAV 10 (RNP 10).			
1.2.	**Aircraft modified to meet RNAV 10 (RNP 10) standards.** Documentation on aircraft inspection and/or modification, if applicable.		☐ Satisfaisant ☐ Non satisfaisant ☐ Sans objet	
1.3.	**Maintenance program** • For aircraft with established LRNS maintenance practices, the list of references of the document or program. • For newly installed LRNS provide LRNS maintenance practices for review.		☐ Satisfaisant ☐ Non satisfaisant ☐ Sans objet	
1.4.	**Minimum Equipment List (MEL) if applicable** showing provisions for LRNS		☐ Satisfaisant ☐ Non satisfaisant ☐ Sans objet	
1.5.	**Training program** for flight crews, flight dispatchers, and maintenance personnel as		☐ Satisfaisant ☐ Non satisfaisant ☐ Sans objet	

	applicable.			
1.6.	**Operating policies and procedures** including relevant section of Operations Manuals and checklists attached to the application, applicable to RNAV 10		☐ Satisfaisant ☐ Non satisfaisant ☐ Sans objet	
1.7.	**Navigation database (if carried)** Details of the navigation data validation program.		☐ Satisfaisant ☐ Non satisfaisant ☐ Sans objet	

Item and N°	Topics	Reference paragraphs ICAO Doc 9613 Vol II Part B 1	Location in the Documents of the operator	State of Implementation	Comments
	SECTION 2– GUIDE FOR DETERMINING RNAV 10 (RNP 10) AIRCRAFT ELIGIBILITY				
2.1.	**Eligibility Method 1** – Eligibility of aircraft through RNP certification. (RNP compliance documented in the AFM).	1.3.3.1.2		☐ Satisfaisant ☐ Non satisfaisant ☐ Sans objet	
2.2.	**Eligibility Method 2** - Eligibility of aircraft through previous certification of the navigation system.	1.3.3.1.3		☐ Satisfaisant ☐ Non satisfaisant ☐ Sans objet	
2.3.	**Eligibility Method 3** - Eligibility of aircraft through data collection.	1.3.3.1.4		☐ Satisfaisant ☐ Non satisfaisant ☐ Sans objet	
2.4.	**Aircraft Equipment**				
	Dual Long Range Navigation Systems	1.3.4		☐ Satisfaisant ☐ Non satisfaisant ☐ Sans objet	
2.5.	**Dual GNSS**	1.3.4.2.1			

Item and N°	Topics	Reference paragraphs ICAO Doc 9613 Vol II Part B 1	Location in the Documents of the operator	State of Implementation	Comments
	SECTION 2– GUIDE FOR DETERMINING RNAV 10 (RNP 10) AIRCRAFT ELIGIBILITY				
	GNSS approved as primary means of navigation (AC 20-138 or equivalent)	1.3.4.2.1.1		☐ Satisfaisant ☐ Non satisfaisant ☐ Sans objet	
	Multi-sensor systems into which the GNSS is integrated (AC 20-130 or equivalent).	1.3.4.2.1.2		☐ Satisfaisant ☐ Non satisfaisant ☐ Sans objet	
	Complies with regulations/advisory information for use of GNSS for primary oceanic/remote performance	1.3.4.2.1.3		☐ Satisfaisant ☐ Non satisfaisant ☐ Sans objet	
	Approved FDE prediction program.	1.3.4.2.1.4		☐ Satisfaisant ☐ Non satisfaisant ☐ Sans objet	
2.6.	**Dual INS or IRS**	1.3.4.2.2.1			
	INSs or IRUs approved according to 14 CFR, Part 121, Appendix G (time	1.3.4.2.2		☐ Satisfaisant ☐ Non satisfaisant ☐ Sans objet	

Item and N°	Topics	Reference paragraphs ICAO Doc 9613 Vol II Part B 1	Location in the Documents of the operator	State of Implementation	Comments
	SECTION 2– GUIDE FOR DETERMINING RNAV 10 (RNP 10) AIRCRAFT ELIGIBILITY				
	limit 6.2 hours).				
	INSs or IRUs approved for MNPS operations in the North Atlantic or RNAV operation in Australia (time limit 6.2 hours).	1.3.4.2.2		☐ Satisfaisant ☐ Non satisfaisant ☐ Sans objet	
	Application for extended time limit	1.3.4.2.3		☐ Satisfaisant ☐ Non satisfaisant ☐ Sans objet	
	Operator route evaluation conducted	1.3.9.6		☐ Satisfaisant ☐ Non satisfaisant ☐ Sans objet	
2.7.	**Single IRS or IRU and Single GNSS**	1.3.4.2.4			
	INS/IRU approved to 14 CFR Part 121 Appendix G or equivalent	1.3.4.2.4		☐ Satisfaisant ☐ Non satisfaisant ☐ Sans objet	
	GNSS authorized for oceanic/remote (TSO C129a with FTE, TSO	1.3.2.4		☐ Satisfaisant ☐ Non satisfaisant ☐ Sans objet	

Item and N°	Topics	Reference paragraphs ICAO Doc 9613 Vol II Part B 1	Location in the Documents of the operator	State of Implementation	Comments
	SECTION 2– GUIDE FOR DETERMINING RNAV 10 (RNP 10) AIRCRAFT ELIGIBILITY				
	C145a/146a, or equivalent)				
	Approved FDE prediction program.	1.3.4.2.4		☐ Satisfaisant ☐ Non satisfaisant ☐ Sans objet	

Item	Operating Procedures	Reference paragraphs ICAO Doc 9613 Vol II Part B 1	Location in the Documents of the operator	State of implementation	Comments
	SECTION 3 - PROCEDURES FOR RNAV 10 (RNP 10) OPERATIONS				
3.1.	**Flight planning**				
	Verify that aircraft has been approved for RNAV 10 (RNP 10) operations.	1.3.5		☐ Satisfaisant ☐ Non satisfaisant ☐ Sans objet	
	Verify that two LRNS are operational.	1.3.6.1		☐ Satisfaisant ☐ Non satisfaisant ☐ Sans objet	
	Verify that the RNAV 10 (RNP 10) time limit has been taken into account (aircraft equipped with only INS/IRU).	1.3.5.1 (a)		☐ Satisfaisant ☐ Non satisfaisant ☐ Sans objet	
	Verify requirements for GNSS, such as FDE, if applicable to the operation.	1.3.5.1 (b)		☐ Satisfaisant ☐ Non satisfaisant ☐ Sans objet	
	Insert the letter "R" in Box 10 of the ICAO flight plan	1.3.7		☐ Satisfaisant ☐ Non satisfaisant ☐ Sans objet	

Item	Operating Procedures	Reference paragraphs ICAO Doc 9613 Vol II Part B 1	Location in the Documents of the operator	State of implementation	Comments
	SECTION 3 - PROCEDURES FOR RNAV 10 (RNP 10) OPERATIONS				
	If required, take into account any operational restriction related to RNAV 10 (RNP 10) approval for a specific navigation system.	1.3.5.1 (c)		☐ Satisfaisant ☐ Non satisfaisant ☐ Sans objet	
3.2.	**Pre-flight procedures**				
	Review of maintenance logs and forms for LRNS status	1.3.5.2 (a)		☐ Satisfaisant ☐ Non satisfaisant ☐ Sans objet	
	Review the emergency procedures for operations in RVAV 10 (RNP 10) airspace or routes.	1.3.5.2 (c)		☐ Satisfaisant ☐ Non satisfaisant ☐ Sans objet	
3.3.	**En-route procedures**				
	Before oceanic point of entry verify at least two LRNS capable of navigating in RNAV 10 (RNP 10). If not consider using an alternate route or initiating a deviation.	1.3.9.1		☐ Satisfaisant ☐ Non satisfaisant ☐ Sans objet	

Item	Operating Procedures	Reference paragraphs ICAO Doc 9613 Vol II Part B 1	Location in the Documents of the operator	State of implementation	Comments
	SECTION 3 - PROCEDURES FOR RNAV 10 (RNP 10) OPERATIONS				
	Before entering oceanic airspace, check aircraft position as accurately as possible using external navigation aids.	1.3.9.2		☐ Satisfaisant ☐ Non satisfaisant ☐ Sans objet	
	Cross-check procedures in order to identify navigation errors in advance and prevent the aircraft from inadvertently deviating from the routes authorized by the ATC.	1.3.9.3		☐ Satisfaisant ☐ Non satisfaisant ☐ Sans objet	
	Notify the ATC of any degradation or failure of the navigation equipment below the navigation performance requirements, or of any deviation required for a contingency Procedure.	1.3.9.4		☐ Satisfaisant ☐ Non satisfaisant ☐ Sans objet	

Item	Operating Procedures	Reference paragraphs ICAO Doc 9613 Vol II Part B 1	Location in the Documents of the operator	State of implementation	Comments
	SECTION 3 - PROCEDURES FOR RNAV 10 (RNP 10) OPERATIONS				
	Operator procedures for use of a lateral deviation indicator, an FD or an AP in lateral navigation mode (LNAV) for RNP 10 operations.	1.3.9.5		☐ Satisfaisant ☐ Non satisfaisant ☐ Sans objet	
	Operator procedures for limiting FTE to +/- ½ navigation accuracy	1.3.9.5		☐ Satisfaisant ☐ Non satisfaisant ☐ Sans objet	
	Operator procedures for manual updating of position (if approved)	1.3.9.9		☐ Satisfaisant ☐ Non satisfaisant ☐ Sans objet	

6. Regulations References

- Arrêté N°00606/MINT du 13 septembre 2006 modifiant l'annexe de l'arrêté N°00731/MINT du 07 juin 2005 fixant les conditions d'utilisation des avions par une entreprise de transport aérien (§7.3.2)

7. CCAA Forms/Checklists

7.1. Forms

- CMR.OPS.FORM.016 Information on the identification of aircraft and operator (RNAV 5)

7.2. Checklists

- DSA.AOC.CHKL.082 Conduct RNAV 5 Approval

8. Guidance Material References:

- ICAO PBN Manual (DOC9613) Volume II, Part B, Chapter 2.
- Cameroonian PBN Operational Approval Handbook.

9. Jobs Task Description

9.1. To give operators and inspectors information on the main RNAV 5 reference documents.

9.2. To provide tables showing the contents of the application, the associated reference paragraphs, the place in the application of the operator where RNAV 5 elements are mentioned and columns for inspector comments and follow-up on the status of various elements of RNAV 5.

10. Job Performance Subtasks

6.1 At the pre-application meeting with the operator, the inspector reviews the "basic events of the RNAV 5 approval process" described in Section 1 of this Job Aid, in order to provide an overview of the approval process events.

6.2 The inspector reviews this Job Aid with the operator in order to establish the form and content of the RNAV 5 approval application.

6.3 The operator uses this Job Aid as a guide to collect the documents of the RNAV 5 application.

6.4 The operator inserts in the Job Aid references showing in what part of its documents are the RNAV 5 elements located.

6.5 The operator submits the Job Aid and the application to the inspector (with the required documents).

6.6 The inspector indicates in the Job Aid whether an item is in compliance or needs corrective action.

6.7 The inspector informs the operator as soon as possible when a corrective action by the operator is required.

6.8 The operator provides the inspector with the revised material when so requested.

6.9 The CCAA provides the operator with the operational specification (air operators) or a letter of authorization (others), as applicable, when the tasks and documents have been completed.

INFORMATION ON THE IDENTIFICATION OF AIRCRAFT AND OPERATORS (RNAV 5)

CMR.OPS.FORM.016

CCAA

NAME OF THE OPERATOR: _____

is applying for RNAV 5 Operations Approval.

Aircraft manufacturer, model, and series	Aircraft Registration (required only if installed equipment varies between model and series)	List relevant make and model of related navigation equipment

DATE OF PRE-APPLICATION MEETING_____

DATE ON WHICH THE APPLICATION WAS RECEIVED _____

DATE ON WHICH THE OPERATOR INTENDS TO BEGIN RNAV 5 OPERATIONS _____

OPERATOR'S NAME:		LOCATION :
CHECK BY :	CHECK DATE :	SIGNATURE :

Regulatory references:

- *Arrêté N°00606/MINT du 13 septembre 2006 modifiant l'annexe de l'arrêté N°00731/MINT du 07 juin 2005 fixant les conditions d'utilisation des avions par une entreprise de transport aérien.*
- *ICAO PBN Manual (DOC9613).*
- *Cameroonian PBN Operational Approval Handbook.*

Item and N°	Title of document	Indication of inclusion by the operator	State of implementations	Comments by the Inspector
SECTION 1 – OPERATOR APPLICATION				
	Airworthiness documents to determine aircraft eligibility Airworthiness documents that establish the aircraft and the navigation system have been		☐ Satisfaisant ☐ Non satisfaisant ☐ Sans objet	

Item and N°	Title of document	Indication of inclusion by the operator	State of implementations	Comments by the Inspector
SECTION 1 – OPERATOR APPLICATION				
	approved for RNAV 5 operations.			
	RNAV 5 system requirements Documents that show the aircraft equipment One (1) RNAV system comprising of: • one or a combination of the following navigation sensors: VOR/DME, DME/DME, INS or IRS, and GNSS; • an Area Navigation (RNAV) computer; • a Control Display Unit (CDU); and • a navigation display(s) or instrument(s) e. g., Navigation Display (ND), Heading Situation Indicator (HSI) or Course Deviation		☐ Satisfaisant ☐ Non satisfaisant ☐ Sans objet	

Item and N°	Title of document	Indication of inclusion by the operator	State of implementations	Comments by the Inspector
SECTION 1 – OPERATOR APPLICATION				
	Indicator (CDI).			
	Maintenance program 1. For Aircraft with established RNAV or GPS stand-alone maintenance practices provide document references. 2. For newly installed RNAV or GPS stand-alone provide maintenance practices for review.		☐ Satisfaisant ☐ Non satisfaisant ☐ Sans objet	
	Minimum equipment list (MEL) if applicable showing provisions for RNAV 5 systems.		☐ Satisfaisant ☐ Non satisfaisant ☐ Sans objet	
	Training Training program for flight crews, flight dispatchers, and maintenance personnel as		☐ Satisfaisant ☐ Non satisfaisant ☐ Sans objet	

Item and N°	Title of document	Indication of inclusion by the operator	State of implementations	Comments by the Inspector
SECTION 1 – OPERATOR APPLICATION				
	applicable			
	Operational policies and procedures Operations manual and checklists or sections to be attached to the application, corresponding to RNAV 5 operating procedures and policies		☐ Satisfaisant ☐ Non satisfaisant ☐ Sans objet	
	Navigation database (if carried) Details of the navigation data validation program.		☐ Satisfaisant ☐ Non satisfaisant ☐ Sans objet	

Item and N°	Topics	Reference paragraphs ICAO Doc 9613 Vol II Part B 2	Location in the Documents of the operator	State of Implementation	Comments
	SECTION 2– GUIDE FOR DETERMINING RNAV 5 AIRCRAFT ELIGIBILITY				
	Aircraft eligibility				
2.1.	Aircraft approved for B-RNAV	2.3.2.6		☐ Satisfaisant ☐ Non satisfaisant ☐ Sans objet	
2.2.	Aircraft with an approved statement of compliance	2.3.2.4		☐ Satisfaisant ☐ Non satisfaisant ☐ Sans objet	
2.3.	Aircraft with statement by the manufacturer	2.3.2.4		☐ Satisfaisant ☐ Non satisfaisant ☐ Sans objet	
	Aircraft and System requirements – one of the following				
2.4.	VOR/DME or DME/DME system	2.3.3.2.2 2.3.3.2.3		☐ Satisfaisant ☐ Non satisfaisant ☐ Sans objet	
	INS or IRS	2.3.3.2.1			
	GNSS	2.3.3.2.4		☐ Satisfaisant	

Item and N°	Topics	Reference paragraphs ICAO Doc 9613 Vol II Part B 2	Location in the Documents of the operator	State of Implementation	Comments
	SECTION 2– GUIDE FOR DETERMINING RNAV 5 AIRCRAFT ELIGIBILITY				
	a) TSO C129 with pseudo range step detection and health word checking; or b) TSO C129 (a) or TSO C145 ( ) or TSO C146( ) or equivalent			☐ Non satisfaisant ☐ Sans objet	
	Availability of conventional navigation equipment as a back-up in the event of loss of GNSS, if required by the State.	2.3.3.2.4.3		☐ Satisfaisant ☐ Non satisfaisant ☐ Sans objet	
	RNAV 5 system functional requirements	2.3.3.3		☐ Satisfaisant ☐ Non satisfaisant ☐ Sans objet	