## 1. 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)

## 2. CCAA Forms/Checklists

### 2.1. Forms

- CMR.OPS.FORM.020 Information on the identification of aircraft and operator (RNP APCH (LNAV)).

### 2.2. Checklists

- DSA.OPS.CHKL.086 Conduct RNP APCH (LNAV) Approval

## 3. Guidance Material References:

- ICAO PBN Manual (DOC9613) Volume II, Part C, Chapter 5.
- Cameroonian PBN Operational Approval Handbook

## 4. Jobs Task Description

4.1. To give operators and inspectors information on the main RNP APCH reference documents.

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

## 5. Job Performance Subtasks

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

5.2. The inspector reviews this Job Aid with the operator in order to establish the form and content of the RNP APCH approval application.

5.3.    The operator uses this Job Aid as a guide to collect the documents of the RNP APCH application.

5.4.    The operator inserts in the Job Aid references showing in what part of its documents are the RNP APCH elements located.

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

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

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

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

5.9.    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 RNP APCH (LNAV)

CMR.OPS.FORM.020

**CCAA**

NAME OF THE OPERATOR: _____

is applying for RNP APCH (LNAV) 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 RNP APCH (LNAV) OPERATIONS _____

# CONDUCT RNP APCH (LNAV) INSPECTION

## DSA.AOC.CHKL.086

**CCAA**

| 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 | **Airworthiness documents showing aircraft eligibility for RNP APCH.** AFM, AFM revision, AFM supplement, or Type certificate data sheet (TCDS) showing that | | ☐ Satisfaisant ☐ Non satisfaisant ☐ Sans objet | |

# CONDUCT RNP APCH (LNAV) INSPECTION

DSA.AOC.CHKL.086

CCAA

| Item and N° | Title of document | Indication of inclusion by the operator | State of implementations | Comments by the Inspector |
|---|---|---|---|---|
| | | SECTION 1 – OPERATOR APPLICATION | | |
| | the RNP navigation system is eligible for RNP APCH. or; Manufacturer statement. - Aircraft with a manufacturer statement documenting compliance | | | |
| 2 | **Aircraft modified to meet RNP APCH standards.** Documentation on aircraft inspection and/or modification, if applicable. Maintenance records documenting the installation or modification of aircraft systems | | ☐ Satisfaisant ☐ Non satisfaisant ☐ Sans objet | |
| 3 | **Maintenance program** • For aircraft with established maintenance procedures for RNP APCH systems, the list of references of the document or program. | | ☐ Satisfaisant ☐ Non satisfaisant ☐ Sans objet | |

# CONDUCT RNP APCH (LNAV) INSPECTION

**DSA.AOC.CHKL.086**

CCAA

| Item and N° | Title of document | Indication of inclusion by the operator | State of implementations | Comments by the Inspector |
|---|---|---|---|---|
| | SECTION 1 – OPERATOR APPLICATION | | | |
| | • For recently installed RNP APCH systems, the maintenance procedures for their review. | | | |
| 4 | **Minimum equipment list (MEL) if applicable** showing provisions for RNP APCH systems. | | ☐ Satisfaisant ☐ Non satisfaisant ☐ Sans objet | |
| 5 | **Training** Training programme for flight crews, flight dispatchers, and maintenance personnel as applicable. | | ☐ Satisfaisant ☐ Non satisfaisant ☐ Sans objet | |
| 6 | **Operating policies and procedures** Operations manual (OM) and checklists or sections to be attached to the application, corresponding to RNP APCH operating procedures and policies. | | ☐ Satisfaisant ☐ Non satisfaisant ☐ Sans objet | |

# CONDUCT RNP APCH (LNAV) INSPECTION

**DSA.AOC.CHKL.086**

CCAA

| Item and N° | Title of document | Indication of inclusion by the operator | State of implementations | Comments by the Inspector |
|---|---|---|---|---|
| | | SECTION 1 – OPERATOR APPLICATION | | |
| 7 | **Navigation database** <br> Details of the navigation data validation program. | | ☐ Satisfaisant <br> ☐ Non satisfaisant <br> ☐ Sans objet | |

# CONDUCT RNP APCH (LNAV) INSPECTION

DSA.AOC.CHKL.086

CCAA

| Item and N° | Topics | Reference paragraphs ICAO Doc 9613 Vol II Part C 1 | Location in the Documents of the operator | State of Implementation | Comments |
|---|---|---|---|---|---|
| | **SECTION 2– GUIDE FOR DETERMINING RNP APCH AIRCRAFT ELIGIBILITY** | | | | |
| 1 | **Aircraft and system requirements** | | | ☐ Satisfaisant<br>☐ Non satisfaisant<br>☐ Sans objet | |
| | Aircraft approved to conduct RNAV (GNSS) approaches. | | | ☐ Satisfaisant<br>☐ Non satisfaisant<br>☐ Sans objet | |
| | Aircraft that have a statement of compliance in their flight manual (AFM), AFM supplement, pilot operations handbook (POH), or in the avionics operating manual. | 5.3.2.4 | | ☐ Satisfaisant<br>☐ Non satisfaisant<br>☐ Sans objet | |
| | RNP installation based on GNSS standalone system | 5.3.3.1, Note 3 | | ☐ Satisfaisant<br>☐ Non satisfaisant<br>☐ Sans objet | |
| | RNP installation is based on GNSS sensor equipment used in a multi-sensor system | 5.3.3.1, Note 3 | | ☐ Satisfaisant<br>☐ Non satisfaisant<br>☐ Sans objet | |
| | Positioning data from other types of navigation sensors can be integrated | 5.3.3.2 | | ☐ Satisfaisant<br>☐ Non satisfaisant | |

CHKL date: 28/10/2014

Edition: 1.0

| Item and N° | Topics | Reference paragraphs ICAO Doc 9613 Vol II Part C 1 | Location in the Documents of the operator | State of Implementation | Comments |
|---|---|---|---|---|---|
| | **SECTION 2– GUIDE FOR DETERMINING RNP APCH AIRCRAFT ELIGIBILITY** | | | | |
| | with GNSS data provided they do not cause position errors that exceed the total system error (TSE). Otherwise, means must be provided to deselect or cancel the other types of navigation sensors. | | | ☐ Sans objet | |
| | Functional requirements | 5.3.3.3 | | ☐ Satisfaisant ☐ Non satisfaisant ☐ Sans objet | |

# CONDUCT RNP APCH (LNAV) INSPECTION

**DSA.AOC.CHKL.086**

**CCAA**

| Item | Operating Procedures | Reference paragraphs ICAO Doc 9613 Vol II Part C 5 | Location in the Documents of the operator | State of implementation | Comments |
|---|---|---|---|---|---|
| | | **SECTION 3 - PROCEDURES FOR RNP APCH OPERATIONS** | | | |
| 1 | **Pre-flight planning** | | | | |
| | File appropriate flight plan suffix | 5.3.4.1.1 | | ☐ Satisfaisant<br>☐ Non satisfaisant<br>☐ Sans objet | |
| | Ensure that the approaches which may be used for the intended flight (including alternate aerodromes): <br>a) are selected from a valid navigation data base (current AIRAC cycle);<br>b) have been verified through an appropriate (navigation database integrity process); and<br>c) have not been prohibited by any NOTAM issued by the CCAA or by the air navigation service providers or by an operational instruction of the company | 5.3.4.1.2 a) | | ☐ Satisfaisant<br>☐ Non satisfaisant<br>☐ Sans objet | |
| | Ensure that there are sufficient means | 5.3.4.1.2 b) | | ☐ Satisfaisant | |

CHKL date: 28/10/2014

Edition: 1.0

Prepared by: OPS Group

# CONDUCT RNP APCH (LNAV) INSPECTION

**DSA.AOC.CHKL.086**

**CCAA**

| Item | Operating Procedures | Reference paragraphs ICAO Doc 9613 Vol II Part C 5 | Location in the Documents of the operator | State of implementation | Comments |
|------|---------------------|------|------|------|------|
| | **SECTION 3 - PROCEDURES FOR RNP APCH OPERATIONS** | | | | |
| | available to fly and land at the destination or alternate aerodrome in case of loss of RNP APCH capability. | | | ☐ Non satisfaisant ☐ Sans objet | |
| | Take account of any NOTAM issued by the CCAA or by the ANSP, or by an operational instruction of the company that might adversely affect aircraft system operation or the availability or suitability of the procedures at the destination aerodrome or at any alternate aerodromes. | 5.3.4.1.2 c) | | ☐ Satisfaisant ☐ Non satisfaisant ☐ Sans objet | |
| | For missed approach procedures based on conventional NAVAIDs (VOR, NDB), verify that the appropriate airborne equipment required to fly such procedures is installed and operational in the aircraft. | 5.3.4.1.2 d) | | | |

# CONDUCT RNP APCH (LNAV) INSPECTION

## DSA.AOC.CHKL.086

CCAA

| Item | Operating Procedures | Reference paragraphs ICAO Doc 9613 Vol II Part C 5 | Location in the Documents of the operator | State of implementation | Comments |
|---|---|---|---|---|---|
| | SECTION 3 - PROCEDURES FOR RNP APCH OPERATIONS | | | | |
| | Use all the information available, to confirm the availability of the required navigation infrastructure for the projected routes, including any non-RNAV contingency, for the intended operation. | 5.3.4.1.3 | | ☐ Satisfaisant ☐ Non satisfaisant ☐ Sans objet | |
| | Check GNSS integrity prediction | 5.3.4.1.3 | | ☐ Satisfaisant ☐ Non satisfaisant ☐ Sans objet | |
| 2 | **Prior to commencing the procedure** | | | ☐ Satisfaisant ☐ Non satisfaisant ☐ Sans objet | |
| | In addition to normal procedures, prior to commencing the approach (before the initial approach fix (IAF)), the flight crew must verify the correct procedure has been loaded, by comparing said procedure with the approach charts. This check must include: | 5.3.4.3.1 | | ☐ Satisfaisant ☐ Non satisfaisant ☐ Sans objet | |

# CONDUCT RNP APCH (LNAV) INSPECTION

## DSA.AOC.CHKL.086

CCAA

| Item | Operating Procedures | Reference paragraphs ICAO Doc 9613 Vol II Part C 5 | Location in the Documents of the operator | State of implementation | Comments |
|------|---------------------|---------------------------------------------------|-------------------------------------------|------------------------|----------|
| | **SECTION 3 - PROCEDURES FOR RNP APCH OPERATIONS** | | | | |
| | a) the WPT sequence;<br>b) the integrity of the tracks and distances of the approach legs, the accuracy of the inbound course and the length of the final approach segment. | | | | |
| | For multi-sensor systems, verify during the approach that a GNSS sensor is used for position computation. | 5.3.4.3.3 | | ☐ Satisfaisant<br>☐ Non satisfaisant<br>☐ Sans objet | |
| | For a RNP system with aircraft-based augmentation system (ABAS) requiring barometric aiding, set the current aerodrome barometric altimeter | 5.3.4.3.4 | | ☐ Satisfaisant<br>☐ Non satisfaisant<br>☐ Sans objet | |
| | Check GNSS availability | 5.3.4.3.5 | | ☐ Satisfaisant<br>☐ Non satisfaisant<br>☐ Sans objet | |
| | Operator procedures for rejoining | 5.3.4.3.6 | | ☐ Satisfaisant<br>☐ Non satisfaisant | |

CHKL date: 28/10/2014

Edition: 1.0

Prepared by: OPS Group

# CONDUCT RNP APCH (LNAV) INSPECTION

## DSA.AOC.CHKL.086

**CCAA**

| Item | Operating Procedures | Reference paragraphs ICAO Doc 9613 Vol II Part C 5 | Location in the Documents of the operator | State of implementation | Comments |
|------|---------------------|-----------------------------------------|-------------------------------------|------------------------|----------|
| | SECTION 3 - PROCEDURES FOR RNP APCH OPERATIONS | | | | |
| | route following ATC course assignment | | | ☐ Sans objet | |
| | Operator procedures to prohibit revision of lateral definition of the flight path between the FAF and the missed approach point (MAPt). | 5.3.4.3.7 | | | |
| 3 | During the procedure | | | | |
| | Establish aircraft on course prior to FAF | 5.3.4.4.1 | | | |
| | Check appropriate approach mode active prior to FAF. | 5.3.4.4.2 | | | |
| | Select appropriate displays so that the following information can be monitored by the flight crew: a) the RNP computed desired track (DTK); and b) the aircraft position relative to the path cross track deviation (XTK) for FTE | 5.3.4.4.3 | | | |

CHKL date: 28/10/2014

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# CONDUCT RNP APCH (LNAV) INSPECTION

## DSA.AOC.CHKL.086

**CCAA**

| Item | Operating Procedures | Reference paragraphs ICAO Doc 9613 Vol II Part C 5 | Location in the Documents of the operator | State of implementation | Comments |
|---|---|---|---|---|---|
| | SECTION 3 - PROCEDURES FOR RNP APCH OPERATIONS | | | | |
| | monitoring. | | | | |
| | Discontinue approach: a) if the navigation display is announcing a failure (flagged invalid); or b) in case of loss of the integrity alerting function; or c) if the integrity alerting function is annunciated not available before passing the FAF; or d) if the FTE is excessive. | 5.3.4.4.4 | | | |
| | Missed approach must be flown in accordance with the published procedure. Use of the RNP system during the missed approach provided: a) the RNP system is operational (e.g., there is no loss of function, no NSE alert, no | 5.3.4.4.5 | | | |

# CONDUCT RNP APCH (LNAV) INSPECTION

## DSA.AOC.CHKL.086

CCAA

| Item | Operating Procedures | Reference paragraphs ICAO Doc 9613 Vol II Part C 5 | Location in the Documents of the operator | State of implementation | Comments |
|---|---|---|---|---|---|
| | **SECTION 3 - PROCEDURES FOR RNP APCH OPERATIONS** | | | | |
| | failure indication, etc.). b) the whole procedure (including the missed approach) is loaded from the navigation data base. | | | | |
| | Operator procedures for limiting FTE to +/- ½ navigation accuracy | 5.3.4.4.6 | | | |
| | Operator procedures for limiting vertical deviations within + 100/-50 ft when Baro-VNAV is used for vertical path guidance during the final approach segment | 5.3.4.4.7 | | | |
| | Operator procedures for the conduct of a missed approach if the lateral or vertical deviations are excessive | 5.3.4.4.8 | | | |

# CONDUCT RNP APCH (LNAV) INSPECTION

## DSA.AOC.CHKL.086

CCAA

| Item | Operating Procedures | Reference paragraphs ICAO Doc 9613 Vol II Part C 5 | Location in the Documents of the operator | State of implementation | Comments |
|---|---|---|---|---|---|
| | **SECTION 3 - PROCEDURES FOR RNP APCH OPERATIONS** | | | | |
| 4 | **Contingency procedures** | | | | |
| | Notify ATC of any loss of the RNP APCH capability, together with the proposed course of action. | 5.3.4.6.1 | | | |
| | Operator contingency procedures in order to react safely following the loss of the RNP APCH capability during the approach. | 5.3.4.6.1 | | | |

# 1. 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)

# 2. CCAA Forms/Checklists

## 2.1. Forms

- CMR.OPS.FORM.021 Information on the identification of aircraft and operator (APV/Baro – VNAV).

## 2.2. Checklists

- DSA.OPS.CHKL.087 Conduct APV/Baro – VNAV Approval

# 3. Guidance Material References:

- ICAO PBN Manual (DOC9613) Volume II.
- Cameroonian PBN Operational Approval Handbook

# 4. Jobs Task Description

4.1. To give operators and inspectors information on the main APV/Baro-VNAV reference documents.

4.2. To provide tables showing the contents of the application, the associated reference paragraphs, the place in the application of the operator where APV/Baro-VNAV elements are mentioned and columns for inspector comments and follow-up on the status of various elements of APV/Baro-VNAV.

# 5. Job Performance Subtasks

5.1. At the pre-application meeting with the operator, the inspector reviews the "basic events of the APV/Baro-VNAV approval process" described in Section 1 of this Job Aid, in order to provide an overview of the approval process events.

5.2. The inspector reviews this Job Aid with the operator in order to establish the form and content of the APV/Baro-VNAV approval application.
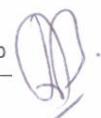
5.3.    The operator uses this Job Aid as a guide to collect the documents of the APV/Baro-VNAV application.

5.4.    The operator inserts in the Job Aid references showing in what part of its documents are the APV/Baro-VNAV elements located.

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

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

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

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

5.9.    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.

**NAME OF THE OPERATOR:** _____

is applying for APV/BARO-VNAV 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 APV/BARO-VNAV OPERATIONS
_____

# CONDUCT APV/BARO – VNAV INSPECTION

**DSA.AOC.CHKL.087**

**CCAA**

| 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 | Airworthiness documents showing aircraft eligibility for APV/Baro-VNAV. | | ☐ Satisfaisant<br>☐ Non satisfaisant<br>☐ Sans objet | |

# CONDUCT APV/BARO – VNAV INSPECTION

**DSA.AOC.CHKL.087**

CCAA

| Item and N° | Title of document | Indication of inclusion by the operator | State of implementations | Comments by the Inspector |
|---|---|---|---|---|
| | SECTION 1 – OPERATOR APPLICATION | | | |
| | AFM, AFM revision, AFM supplement, or Type certificate data sheet (TCDS) showing that the navigation system is eligible for APV/Baro-VNAV; or. Manufacturer statement - Aircraft with a manufacturer statement documenting compliance with the performance and functional requirements of the ICAO PBN Manual. | | | |
| 2 | **Aircraft is modified to meet APV/Baro-VNAV standards** Documentation on aircraft inspection and/or modification, if applicable. | | ☐ Satisfaisant ☐ Non satisfaisant ☐ Sans objet | |
| 3 | **Maintenance program** Maintenance procedures for APV/Baro-VNAV systems - the list of | | ☐ Satisfaisant ☐ Non satisfaisant ☐ Sans objet | |

# CONDUCT APV/BARO – VNAV INSPECTION

**DSA.AOC.CHKL.087**

CCAA

| Item and N° | Title of document | Indication of inclusion by the operator | State of implementations | Comments by the Inspector |
|---|---|---|---|---|
| | | SECTION 1 – OPERATOR APPLICATION | | |
| | references of the document or program. | | | |
| 4 | **Minimum equipment list (MEL) if applicable** showing provisions for APV/Baro-VNAV systems. | | ☐ Satisfaisant ☐ Non satisfaisant ☐ Sans objet | |
| 5 | **Training** program for flight crews, and flight dispatchers, and maintenance personnel as applicable. | | ☐ Satisfaisant ☐ Non satisfaisant ☐ Sans objet | |
| 6 | **Operating policies and procedures** including relevant section of Operations Manuals and checklists attached to the application, applicable to APV/Baro-VNAV | | ☐ Satisfaisant ☐ Non satisfaisant ☐ Sans objet | |
| 7 | **Navigation database** Details of the navigation data validation program. | | ☐ Satisfaisant ☐ Non satisfaisant ☐ Sans objet | |

| Item and N° | Topics | Reference paragraphs ICAO Doc 9613 Vol II Attachment | Location in the Documents of the operator | State of Implementation | Comments |
|---|---|---|---|---|---|
| | **SECTION 2– GUIDE FOR DETERMINING APV/BARO - VANV AIRCRAFT ELIGIBILITY** | | | | |
| 1 | **Aircraft eligibility** | | | ☐ Satisfaisant<br>☐ Non satisfaisant<br>☐ Sans objet | |
| | VNAV barometric capability - An aircraft is eligible for Baro-VNAV operations when the AFM or AFM supplement indicates that the VNAV system has been approved under AC 20- 129 or equivalent. | 4.3.1 | | ☐ Satisfaisant<br>☐ Non satisfaisant<br>☐ Sans objet | |
| 2 | **Aircraft Systems** | | | ☐ Satisfaisant<br>☐ Non satisfaisant<br>☐ Sans objet | |
| | **Lateral navigation**<br>GNSS navigation system certified for approach; or<br>a) Multi-sensor system using IRS/GNSS; or | 4.6, Note 5 | | ☐ Satisfaisant<br>☐ Non satisfaisant<br>☐ Sans objet | |

# CONDUCT APV/BARO – VNAV INSPECTION

**DSA.AOC.CHKL.087**

**CCAA**

| Item and N° | Topics | Reference paragraphs ICAO Doc 9613 Vol II Attachment | Location in the Documents of the operator | State of Implementation | Comments |
|---|---|---|---|---|---|
| | **SECTION 2– GUIDE FOR DETERMINING APV/BARO - VANV AIRCRAFT ELIGIBILITY** | | | | |
| | b) RNP systems approved for RNP 0.3 or lower | | | | |
| | **Vertical navigation**<br>a) Serviceable VNAV equipment<br>b) VNAV system certified for Barometric VNAV approach operations;<br>c) Equipped with integrated LNAV/VNAV system with accurate source of barometric altitude; and<br>d) VNAV altitudes and procedure information from a navigation database with integrity though quality assurance | 4.6, Note 5 | | ☐ Satisfaisant<br>☐ Non satisfaisant<br>☐ Sans objet | |

CHKL date: 28/10/2014

Edition: 1.0

Prepared by: OPS Group

# CONDUCT APV/BARO – VNAV INSPECTION

## DSA.AOC.CHKL.087

**CCAA**

| Item and N° | Topics | Reference paragraphs ICAO Doc 9613 Vol II Attachment | Location in the Documents of the operator | State of Implementation | Comments |
|---|---|---|---|---|---|
| | **SECTION 2– GUIDE FOR DETERMINING APV/BARO - VANV AIRCRAFT ELIGIBILITY** | | | | |
| 3 | **Functional requirements** | | | ☐ Satisfaisant<br>☐ Non satisfaisant<br>☐ Sans objet | |
| (a) | **Required Functions** | | | ☐ Satisfaisant<br>☐ Non satisfaisant<br>☐ Sans objet | |
| | The navigation system must provide the capability to continuously display to the pilot flying, on the primary flight instruments for navigation of the aircraft, the aircraft position relative to the vertically defined path. The display must allow the pilot to readily distinguish if the vertical deviation exceeds +30 m/–15 m (+100 ft/–50 ft). | 4.14 | | | |
| | User Interface (Displays and Control) Display resolution (readout) and entry | 4.13 | | | |

# CONDUCT APV/BARO – VNAV INSPECTION

DSA.AOC.CHKL.087

CCAA

| Item and N° | Topics | Reference paragraphs ICAO Doc 9613 Vol II Attachment | Location in the Documents of the operator | State of Implementation | Comments |
|---|---|---|---|---|---|
| | **SECTION 2– GUIDE FOR DETERMINING APV/BARO - VANV AIRCRAFT ELIGIBILITY** | | | | |
| | resolution for vertical navigation information | | | | |
| | Altitudes and/or speeds associated with published procedures must be automatically extracted from the navigation database upon selecting the approach procedure. | 4.8 | | | |
| | The navigation system must have the capability to load and modify the entire procedure(s) to be flown, based upon ATC instructions, into the RNAV system from the on-board navigation database. This includes the approach (including vertical angle), the missed approach and the approach transitions for the selected airport and runway. The navigation system should preclude modification of the procedure data contained in the navigation database. | 4.10 | | | |

## CCAA

DSA.AOC.CHKL.087

| Item and N° | Topics | Reference paragraphs ICAO Doc 9613 Vol II Attachment | Location in the Documents of the operator | State of Implementation | Comments |
|---|---|---|---|---|---|
| | SECTION 2– GUIDE FOR DETERMINING APV/BARO - VANV AIRCRAFT ELIGIBILITY | | | | |
| | The aircraft must display barometric altitude from two independent altimetry sources, one in each pilots' primary field of view. | 4.15 | | | |
| (b) | Recommended Functions | | | | |
| | Temperature compensation: Capability to automatically adjust the vertical flight path for temperature effects. | 4.19 | | | |

# CONDUCT APV/BARO – VNAV INSPECTION

**DSA.AOC.CHKL.087**

**CCAA**

| Item | Operating Procedures | Reference paragraphs ICAO Doc 9613 Vol II Attachment | Location in the Documents of the operator | State of implementation | Comments |
|------|---------------------|------|------|------|------|
| | **SECTION 3 - PROCEDURES FOR APV/BARO-VNAV OPERATIONS** | | | | |
| 1 | **Cold temperature limitations/corrections** Operator procedures to ensure the limiting temperatures for the use of Barometric VNAV are observed | 4.19 | | | |
| 2 | **Altimeter setting** Operator procedures for altimeter setting. | 4.18 | | ☐ Satisfaisant ☐ Non satisfaisant ☐ Sans objet | |
| 3 | **Manufacturer requirements** Operator procedures to comply with any instructions or procedures identified by the manufacturer. | 4.17 | | ☐ Satisfaisant ☐ Non satisfaisant ☐ Sans objet | |