

**Completion of form:** Each relevant Box should be completed with a (X). Where form must be completed by referring to a document of applicant's documentation system, add manual reference, chapter and sub-chapter. Please ensure all applicable areas are completed.

## 1. General

| General Information         |                        |  |                                      |
|-----------------------------|------------------------|--|--------------------------------------|
| Applicant Name and Address: |                        | Tel./Fax/e-mail:                               | Contact Person Name/Tel./Fax/e-mail: |
| Aeroplane Registration      | Aeroplane Manufacturer | Aeroplane Type Designation / Model Designation | Aeroplane Serial No.                 |

| Scope of Application                    |    |     | Yes                      | No                       |
|---|----|-----|--------------------------|--------------------------|
| Application for Category II LVO?        | DH | RVR | <input type="checkbox"/> | <input type="checkbox"/> |
| Application for Category IIIA LVO       | DH | RVR | <input type="checkbox"/> | <input type="checkbox"/> |
| Application for Category IIIB LVO       | DH | RVR | <input type="checkbox"/> | <input type="checkbox"/> |
| Application for low visibility take-off |    | RVR | <input type="checkbox"/> | <input type="checkbox"/> |
| Lower than standard Category I          | DH | RVR | <input type="checkbox"/> | <input type="checkbox"/> |
| Other than standard Category II         | DH | RVR | <input type="checkbox"/> | <input type="checkbox"/> |

## 2. Airworthiness

| Eligibility Airworthiness Documents  |  |  |                          |
|--|--|--|--------------------------|
| 1. The approval of the LVO systems installation is based on:<br><input type="checkbox"/> Type design <input type="checkbox"/> EASA STC <input type="checkbox"/> Service Bulletin <input type="checkbox"/> other (specify): _____ |  |  |                          |
| 2. Airworthiness approval for AWO system installation is specified in Chapter _____ of Aeroplane Flight Manual (AFM) or in Chapter _____ AFM Supplement, as applicable.  |  |  |                          |
| System Manufacture /Model Installed e.g. Flight Guidance System (FGS)  |  |  |                          |
| 3. System Manufacture /model installed e.g. Flight Guidance System (FGS) is specified in Chapter _____ of Aeroplane Flight Manual (AFM) or in Chapter _____ AFM Supplement, as applicable.                                       |  |  |                          |
| Maintenance Program  |  | Yes  | No                       |
| 4. The applicant should have an established Maintenance Program that contains all LVO related maintenance requirements prescribed by manufacturer or design organisation?<br><b>AWO Maintenance Program established?</b>         |  | <input type="checkbox"/>   | <input type="checkbox"/> |
| Minimum Equipment List   |  | Yes  | No                       |
| 5. The applicant should revised parts of Minimum Equipment List to reflect system requirements (e.g. redundancy levels) appropriate to the intended LVO operations?<br><b>Minimum Equipment List revised?</b>                    |  | <input type="checkbox"/>   | <input type="checkbox"/> |
| Maintenance Practices and Procedures   |  |  |                          |
| The applicant must institute procedures in respect of continuing airworthiness practices for LVO. These procedures should cover the following subjects:  |  | <i>To be completed by applicant</i><br>LVOM aintenance Practices and Procedures are described in (add manual reference, chapter and subchapter): |                          |
| 6. Maintenance of LVO equipment (adherence to manufacturer's maintenance instructions, modification procedures, repair procedures, system calibration policy, LVO maintenance practices, handling of on-board systems, etc.).    |  |  |                          |
| 7. Action for non-compliant aeroplane (downgrading, technical log  |  |  |                          |

|  |  |
|--|--|
| entries, corrective actions, placarding, upgrading, release to service procedures, monitoring and reporting of repetitive defects, reliability reporting, reporting to the CAA, etc.).                               |  |
| 8. Maintenance training (initial training and recurrent training of applicant's maintenance management staff and contractor's maintenance personnel, training syllabi qualification of maintenance personnel, etc.). |  |
| 9. Test equipment (use of test equipment, handling, calibration, etc.).  |  |

### 3. Operations

| Operating Practices   |   |
|---|---|
| The applicant must institute operating practices and provisions covering as applicable:   | <i>To be completed by applicant</i> . LVO Operating Practices are described in (add manual reference, chapter and sub-chapter): |
| 3.1 LVTO provisions (AMC1 SPA.LVO.100/aeroplanes, AMC2 SPA.LVO.100/helicopters)   |   |
| 3.2 LTS CAT I provisions (AMC3 SPA.LVO.100)   |   |
| 3.3 CAT II/OTS CATII provisions (AMC4 SPA.LVO.100)  |   |
| 3.4 CAT III provisions (AMC5 SPA.LVO.100)   |   |
| 3.5 EVS provisions (AMC6 SPA.LVO.100)   |   |
| 3.6 EFFECT ON LANDING MINIMA OF TEMPORARILY FAILED OR DOWNGRADED EQUIPMENT provisions (AMC7 SPA.LVO.100)                        |   |
| 3.7 ESTABLISHMENT OF MINIMUM RVR FOR CAT II AND CAT III OPERATIONS provisions (GM SPA.LVO.100(c)(e))                            |   |
| 3.8 CREW ACTIONS IN CASE OF AUTOPILOT FAILURE AT OR BELOW DH IN FAIL-PASSIVE CAT III OPERATIONS provisions (GM1 SPA.LVO.100(e)) |   |
| 3.9 CONTINUOUS MONITORING provisions (AMC3 SPA.LVO.105)   |   |

| Operating Procedures   |  |
|--|--|
| <p>The applicant must institute LVO Operating Procedures for:</p> <ul style="list-style-type: none"> <li>- manual take-off, with or without electronic guidance systems or HUDLS/hybrid HUD/HUDLS;</li> <li>- approach flown with the use of a HUDLS/hybrid HUD/HUDLS and/or EVS;</li> <li>- auto-coupled approach to below DH, with manual flare, hover, landing and rollout;</li> <li>- auto-coupled approach followed by auto-flare, hover, auto-landing and manual rollout; and</li> <li>- auto-coupled approach followed by auto-flare, hover, auto-landing and auto-rollout, when the applicable RVR is less than 400 m.</li> </ul> <p>The instructions should be compatible with the limitations and mandatory procedures contained in the AFM, in accordance with SPA.LVO.125 and applicable AMCs and cover the following items in particular:</p> | <i>To be completed by applicant</i> LVO Operating Procedures are described in (add manual reference, chapter and sub-chapter): |
| 3.10 checks for the satisfactory functioning of the aircraft equipment, both before departure and in flight  |  |
| 3.11 effect on minima caused by changes in the status of the ground installations and airborne equipment   |  |

|      |   |  |
|------|---|--|
| 3.12 | procedures for the take-off, approach, flare, hover, landing, rollout and missed approach   |  |
| 3.13 | procedures to be followed in the event of failures, warnings to include HUD/HUDLS/EVS and other non-normal situations   |  |
| 3.14 | the minimum visual reference required   |  |
| 3.15 | the importance of correct seating and eye position  |  |
| 3.16 | action that may be necessary arising from a deterioration of the visual reference   |  |
| 3.17 | allocation of crew duties in the carrying out of the procedures according to (b)(2)(i) to (iv) and (vi), to allow the pilot-in-command/commander to devote himself/herself mainly to supervision and decision making                      |  |
| 3.18 | the rule for all height calls below 200 ft to be based on the radio altimeter and for one pilot to continue to monitor the aircraft instruments until the landing is completed  |  |
| 3.19 | the rule for the localiser sensitive area to be protected   |  |
| 3.20 | the use of information relating to wind velocity, wind shear, turbulence, runway contamination and use of multiple RVR assessments  |  |
| 3.21 | procedures to be used for:<br>(A) LTS CAT I;<br>(B) OTS CAT II;<br>(C) approach operations utilising EVS; and<br>(D) practice approaches and landing on runways at which the full CAT II or CAT III aerodrome procedures are not in force |  |
| 3.22 | operating limitations resulting from airworthiness certification  |  |
| 3.23 | information on the maximum deviation allowed from the ILS glide path and/or localiser   |  |
| 3.24 | Instructions for LVO continuous monitoring  |  |

| Flight Crew Training and Qualification  |  |
|---|--|
| The applicant is required to establish the following (covering the subjects under 4.1 to 4.7) in accordance with SPA.LVO.120 and applicable AMCs: | <i>To be completed by applicant</i> Description in (add manual reference, chapter and subchapter): |
| 3.25  | Flight crew qualification requirements.  |
| 3.26  | Description training, checking-and training-syllabi for:   |
| 3.27  | Ground training  |
| 3.28  | FSTD training and/or flight training   |
| 3.29  | Conversion training  |
| 3.30  | Type and command experience  |
| 3.31  | Recurrent training and checking  |
| 3.32  | LVTO operations  |
| 3.33  | LTS CAT I, OTS CAT II, operations utilising EVS  |

#### 4. Application Package

| Documentation to be submitted to the Civil Aviation Agency (CAA) |  | Submitted                |                          |
|--|--|--------------------------|--------------------------|
|  |  | Yes                      | No                       |
| 4.1  | Sections of the AFM or AFM Supplements that document LVO airworthiness approval  | <input type="checkbox"/> | <input type="checkbox"/> |
| 4.2  | Flight crew LVO training programmes and syllabi for trainings under 3.9  | <input type="checkbox"/> | <input type="checkbox"/> |
| 4.3  | Operation Manuals and Checklists that include LVO operating practices and procedures (OM-A, OM-B, OM-D, AOM,FCOM, Route Manuals, stand-alone LVO manual, etc.)   | <input type="checkbox"/> | <input type="checkbox"/> |
| 4.4  | Minimum Equipment List (MEL) that include items pertinent to LVO operations  | <input type="checkbox"/> | <input type="checkbox"/> |
| 4.5  | Maintenance Program or revision thereof that include item pertinent to LVO equipment   | <input type="checkbox"/> | <input type="checkbox"/> |
| 4.6  | LVO maintenance practices & procedures (CAME, Maintenance Program, Stand-alone equipment)  | <input type="checkbox"/> | <input type="checkbox"/> |
| 4.7  | Service Bulletin, Supplemental Type Certificate (STC) or Mayor Modification Approval Documentation, if approval based on documents as detailed in 2.1 above (except if based on approved type design). | <input type="checkbox"/> | <input type="checkbox"/> |
| 4.8  | Implementation plan (Operational demonstration, eligible aerodromes and runways, training schedule, data collection, data analysis, continuous monitoring, previous LVO experience, etc.)              | <input type="checkbox"/> | <input type="checkbox"/> |

#### 5. Applicants Statement

|   |            |       |
|---|------------|-------|
| The undersigned certifies the above information to be correct and true and that aeroplane system installation, continuing airworthiness of systems, minimum equipment for dispatch, operating procedures and flight crew training comply with the applicable requirements of EC 965/2012. |            |       |
| Name of Nominated person for Operations:  | Signature: | Date: |
| Name of Nominated person for Maintenance:   | Signature: | Date: |
| Name of Nominated person for Training:  | Signature: | Date: |

#### 6. For official CAA use only

| Subject   | Responsible | Date | Signature |
|---|-------------|------|-----------|
| 6.1 FOD-FRM-012 and item 5 application package checked for completeness.  | OPS         |      |           |
| 6.2 Airworthiness Approval granted (Appendix to Certificate of Airworthiness).  | AWI         |      |           |
| 6.3 Operational Approval granted (applicant's operating practices, procedures and training programs have been found in compliance with applicable requirements) | OPS         |      |           |
| 6.4 LVO approval process administratively completed (OPS Update, Exchange of Certificates).   | OPS         |      |           |
| <b>Withdrawal of LVO Approval:</b>  |             |      |           |
| Reason:   |             |      |           |
| Name: _____ Date: _____ Signature _____   |             |      |           |