|  |  |  |  |
| --- | --- | --- | --- |
| **Operator name**:  | **IT.AOC.** | **A/C type:**  | **Location:**  |
|  **SPA.EFB Approval** 🞎 **Portable 🞎 Installed 🞎**  |
| Implementing Rule reference: (EU) 965/2012 as amended | Y: ApplicableN: not applicable  |  |
| **Subject**  | Y | N | OPERATOR’S DOCUMENTATION REFERENCE | REF |
| *Procedure in place for Use of PEDs, including T-PEDs, in the flight crew compartment* |  |  |  | CAT.GEN.MPA.140(e) |
| *The conditions for the use of PEDs in-flight are specified in the operations manual* |  |  |  |
| *The PEDs do not pose a loose item risk or other hazard* |  |  |  |
| *EFB used does not adversely affect the performance of the aircraft systems or equipment, or the ability of the flight crew member to operate the aircraft.* |  |  |  | CAT.GEN.MPA.141 |
| *All type B EFB applications are approved i.a.w. Part-SPA* |  |  |  |
| *Application classification and determination of an application type A/B* |  |  |  | AMC1CAT.GEN.MPA.141(b) |
| ***Portable EFB - Hardware assessment performed by the operator****(a) General assessment**(b) Characteristics and placement of the EFB display**(c)Power source**(d) EFB data connectivity**(e) External connecting cables (to avionics and/or power sources)* *(f) Electromagnetic interference (EMI) demonstrations**(g) Batteries**(h) Viewable stowage (EFB support)* |  |  |  | AMC1CAT.GEN.MPA.141(a) |
| ***Suitability of the hardware****Placement and characteristics of the display* *Power source* *Environmental testing (testing for rapid decompression)* |  |  |  | AMC1 SPA.EFB.100(b) |
| ***Changes******– procedures in OM****Modifications to an EFB system that do not require prior approval**Modifications to an EFB system that require prior approval i.a.w. ARO.GEN.310(c)*  |  |  |  | AMC2 SPA.EFB.100(b) |
| ***Operational evaluation test****Notification to ENAC including all necessary information, (6 months or less if approved by ENAC)**Operational evaluation test plan**Duration of evaluation test (6 months standard or reduced taking into account criterias)**Final operational report* |  |  |  | AMC3 SPA.EFB.100(b) |
| ***Risk Assessment****- Performed before the beginning of the trial period for all type B EFB applications and hardware**- Amended accordingly, if necessary, at the end of this trial period**- Evaluate the risks associated with the use of an EFB, included losses of functions / malfunctions* *- Analyse the operational consequences of these failure scenarios**- Establish mitigating measures* |  |  |  | SPA.EFB.100(b)(1AMC1  |
| ***Human–machine interface******(HMI)****- Assessment for each kind of device and application in EFB, integration of the EFB into the flight deck environment, both physical and cognitive ergonomics**- Consistent and intuitive user interface**- Usability of the input device (mouse, keyboard, ..).* |  |  |  | SPA.EFB.100(b)(2AMC1  |
| *- Consistency between EFBs and applications and with flight deck applications*- *Messages and the use of colours**- Flight crew workload* |  |  |  | SPA.EFB.100(b)(2AMC1  |
| ***EFB administrator****- Nominated responsible for the administration of the EFB system within the operator’s organization**- Continuity of the management of the EFB system in the absence of the EFB administrator**- Appropriate training for the role**- Good knowledge of the proposed system hardware, operating system and applications**- Good knowledge of the appropriate regulatory requirements related to the use of EFBs* |  |  |  | SPA.EFB. 100 (b)(3AMC1  |
| ***EFB policy and procedures manual****,* *Procedures documented in an fully or partially integrated in the O.M. (items in GM1 SPA.EFB.100(b)(3))* |  |  |  | AMC2 SPA.EFB.100(b)(3) |
| ***EFB security****Procedure to maintain security and integrity (system security, access security, protection against malicious software)**(GM3 SPA.EFB.100(b)(3))* |  |  |  |
| ***Procedures for Flight Crew Member****(a) General procedure on action to be taken in case of inconsistency of EFB info with other souces**(b) Flight crew awareness of EFB software/database revisions and update**(c) Procedures to mitigate and/or control workload created by EFB**(d) dispatch criteria for EFB systems and actions in case of EFB deficiency/failure**(e) routine maintenance of the EFB system**(f) adequate security procedures to protect the system from unauthorized intervention* *(g) Security procedures for electronic signatures when issuing or accepting a document in EFB*  *applications (e.g. load sheet, technical logbook, notification to captain, ..).* |  |  |  | AMC3 SPA.EFB. 100(b)(3) |
| ***Flight Crew Training and syllabus reported in OMD*** *Initial and Recurrent EFB training* *Training and checking (OPC, Line Check,RT) syllabi and form include EFB evaluation**Recurrent training ground and flight include EFB related issues**(GM2 SPA.EFB.100(b)(3))* |  |  |  | AMC4 SPA.EFB. 100(b)(3) |
| ***Performance and mass and balance applications****(a) General**(b)Testing and demonstration of the compliance**(c) flight crew procedures concerning take-off and landing performance or mass & balance* *(d)Training**(e)diagram displaying the mass and its associated centre-of-gravity (CG) position**(f) Human-factors-specific considerations regarding data provided by the application to FCM* |  |  |  | AMC5 SPA.EFB.100(b)(3) |
| *Airport moving map display (****AMMD****) application with own-ship position* |  |  |  | AMC6 SPA.EFB.100(b)(3) |
| *Use of commercial off-the-shelf (****COTS****) position source used for AMMD EFB applications and for EFB applications displaying the own-ship position in-flight* |  |  |  | AMC7 SPA.EFB.100(b)(3) |
| *Navigation charts applications* |  |  |  | AMC8 SPA.EFB.100(b)(3) |
| *In-flight weather applications (****IFW****) enabling to access meteorological information to increase situational awareness and to supportmaking strategic decisions.* |  |  |  | AMC9 SPA.EFB.100(b)(3) |
| *Applications displaying own-ship position in flight* |  |  |  | AMC10SPA.EFB.100(b)(3) |
| **HARDWARE**  |
|  |
| **SOFTWARE APPLICATIONS :** |
| **Type A** | **Type B** |
| **Remarks :** |

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| **NOMINATED PERSON FLIGHT OPERATIONS** **NOMINATED PERSON CREW TRAINING** **COMPLANCE MONITORING MANAGER**  | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |