

TEL: +378 (0549) 941539 | FAX: +378 (0549) 970525 | EMAIL: registration@smar.aero

APPLICATION FOR ELECTRONIC FLIGHT BAG APPROVAL

A vertical line in the margin indicates an amendment to the previous version.

1. DETAILS OF AIRCRAFT							
Registration Mark:		T7-					
Manufacturer's Designation of Aircraft:							
Serial Number:							
2. DETAILS OF AIRCRAFT OPER	ATOR						
Name of Operator:							
EFB Administrator:							
Telephone No.:			Email:				
3. EFB HARDWARE & SOFTWA	RE						
Hardware:			P	Portable		Installed	
Software application type:			Туре А	Туре В	Type A	Type B	
Make & Type:							
Onboard power supply (for portable):			Ye	Yes No		2	
Is permission being requested for documents required to be carrie (under the applicable CAR OPS), to be available in electronic formation only within an EFB?				Yes No		D	
Is permission being requested f flight deck)?	up systems (paperless	5 Ye	Yes No		כ		
(If yes, please ensure the EFB p	arly described as guide	ed by CAP 06	.)				
4. SUPPORTING DOCUMENTA	ΓΙΟΝ						
Operator's operational risk assessment		required if no previous EFB approval with same operator on type – also see Note 1 below.					
Details of mounting device/power source		if applicable					
AFM or STC		<i>if installed</i>					
Operations manual (SOPs)		submit section on EFB or EFB Manual – also see Note 2 below					
Initial operational evaluation test report		AOC holders only – also see Note 2 below					
Final operational evaluation test report		AOC holders only – also see Note 2 below					
Performance figures verification		submit only if EFB used to calculate aircraft performance					
Compliance Checklist completed and included (as applicable to type of operation)			Section A to be completed for AOC Holders. Section B to be completed for General Aviation Operators.				

Note 1: Operator's operational risk assessment guidance can be found in Appendix M to CAP 06.

Note 2: If the operator holds an EFB approval for the aircraft type with another ICAO Contracting State, then the operator's risk assessment and the aircraft's operational evaluation test report that such an approval was based on



may be submitted and accepted by San Marino CAA. In all other cases temporary approval will be granted for 90 days for the use of an EFB pending the submission of the final operational evaluation test report.

5. APPLICANTS DECLARATION

The undersigned certifies that the above items ticked indicate that the EFB installation, continuing airworthiness of systems, minimum equipment for dispatch, operating procedures and flight crew training comply with requirements of CAR OPS 1, CAR OPS 3, CAR OPS 2A or CAR OPS 2H, as applicable.

I also confirm that the compliance checklist (below) has been completed and is an accurate statement of compliance.

I also confirm that the use of the EFB does not interfere with equipment or systems required for flight. Date:

Name of Flight	Signature of Flight
Operations Manager:	Operations Manager:



Electronic Flight Bag (EFB) – Compliance Checklist

This compliance checklist must be completed on initial application for use of an EFB and for subsequent significant changes, e.g. introduction of a new Type B application, change of hardware, or hardware operating system.

Section A – AOC Holders Only

Question	Operator's Reference in Operations Manual or EFB Policy and Procedures Manual (if not applicable please make with N/A if applicable indicate reference).
Has a risk assessment been undertaken, and submitted,	
incorporating all the elements required by CAP 06 Paragraph 7.2?	
Has an EMI assessment of the EFB been undertaken and	
submitted, and using which method?	
Has the EFB undergone environmental testing, especially for	
rapid decompression in accordance with EUROCAE ED-14D/RTCA	
DO-160D guidelines and submitted?	
Have the details of the Initial Operational Evaluation Test been	
confirmed and a plan submitted to the Authority?	
When the Final Operational Report is issued and submitted, will it	
conform to the requirements of, and follow the format shown in	
CAP 06 paragraph 7.15 & Appendix I?	
Have all applications to be used on the EFB been classified (Type	
A or Type B) and detailed in the EFB Policy and Procedures	
Manual and listed in the OM Part A.	
Is the EFB able to be easily removed from its mount or stowage?	
Are any EFB 'anti-theft' devices removed before flight?	
Does the EFB have a suitable Mount or Viewable Stowage? If not	
have procedures been developed to ensure that it is stowed	
during critical phases of flight?	
Does the placement of the EFB device impair the crew's external	
view or access to instruments? Would it impede emergency	
egress?	
Is the display within 90 degrees of the crew member's line of	
sight, and would glare or reflection interfere with the pilot?	
If aircraft power is used, are the characteristics compatible with	
the EFB?	
Does the EFB have data connectivity to the aircraft; if so, how is	
transfer of data controlled?	
Are all connecting cables/power adaptors approved by the EFB	
manufacturer and placed so as not to cause obstruction?	
Does the EFB battery, and any additional battery power sources,	
meet the requirements of CAP 06 paragraph 6.2.1.2?	
If a viewable stowage is used has its location been documented	
as part of the EFB policy?	
Does the viewable stowage and associated mechanisms impede	
the flight crew members in the performance of any task?	
Is the viewable stowage easily locked in position?	
Does the viewable stowage's range of movement accommodate	
the expected range of anthropometric constraints?	
Will the viewable stowage be able to withstand all foreseeable	
conditions such as turbulence or hard landings?	
With the viewable stowage fitted is there any interference with	
aircraft controls or equipment?	
Can the EFB device be switched off when held by the viewable	
stowage?	
Can the viewable stowage be removed from the aircraft without the use of tools?	
Have procedures been put in place to ensure that the means of	
securing the viewable stowage remain within acceptable limits,	
and who will be responsible for conducting these serviceability	
checks?	
If the viewable stowage uses a suction cup type attachment, how	
was it demonstrated that they will function following a rapid	
decompression?	



Question	Operator's Reference in Operations Manual or EFB Policy and Procedures Manual (if not applicable please make with N/A if applicable indicate reference).
How has it been demonstrated that following detachment of a viewable stowage it will not jam the flight controls, injure the	
crew or cause damage?	
Have the Human Machine Interfaces (HMI) of the EFB device and	
its applications been assessed against human factors principles as	
detailed in CAP 06 paragraph 7.5 & Appendix D?	
Does the placement of the EFB create unacceptable workload for	
the pilot or require undue 'head-down' movements during critical	
stages of flight?	
Has the degradation of the display due to ageing/abrasion been	
considered?	
Can the screen brightness be adjusted through a range to suit all	
ambient conditions	
Are all required EFB buttons suitably back-lit?	
Are all controls properly labelled?	
Is there an independent power source for multiple EFBs?	
Has an EFB Administrator been appointed, and where are his/her	
terms of reference defined?	
Has an EFB Policy and Procedures Manual been produced? Is this	
a stand-alone document or incorporated into other sections of	
the Ops Manual?	
Does the EFB Policy and Procedures Manual follow the format	
shown in CAP 06 Appendix G? If not, how will the operator	
demonstrate that all required sections have been adequately	
addressed?	
Will paper-backups be used during the Evaluation Test? If not	
have arrangements for a LOFT, and possible flight, observations	
been arranged?	
If the EFB duplicates information provided by aircraft avionics, is	
clear guidance as to which has primacy stated?	
Has a procedure been developed to ensure that crew verify that	
the configuration of the EFB and its databases are up to date?	
Have procedures been developed to ensure that crew workload is	
not adversely affected by use of the EFB, and list any times when	
the EFB should not be used?	
Have procedures been included to ensure the serviceability of the	
EFB before flight?	
Does the Operations Manual, or MEL, provide dispatch guidance	
for unserviceable elements of the EFB?	
Have maintenance procedures for the EFB been developed?	
Is there a programme to replace EFB batteries?	
How are EFB failures reported and how are crew notified of any	
unserviceability?	
How does the operator ensure the security of the EFB and its	
data? (Guidance given in ICAO Doc 10020 & CAP 06 paragraph	
7.9)	
If electronic signatures are to be used, what procedures has the	
operator put in place?	
Has initial training on the EFB and its applications been conducted	
in accordance with the CAP 06 paragraph 7.13?	
Is EFB operation/training included in recurrent training packages?	
If SOPs are dependent on the use of EFB, do all training devices	
used allow the use of the EFB?	
If performance or mass and balance (M&B) applications are used,	
whatis the source material for the information used by the	
software?	
How is the integrity of the database files protected from	
unintentional modifications?	
Does each software version have a unique version number?	
Does the EFB record each performance and M&B calculation for a	
minimum of 3 month?	

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Question	Operator's Reference in Operations Manual or EFB Policy and Procedures Manual (if not applicable please make with N/A if applicable indicate reference).
Have performance and M&B data figures been compared to AFM	
data across a range of conditions? (See CAP 06 paragraph 7.6 &	
Appendix F)	
Do procedures specify that calculations must be performed	
independently by both pilots with a formal cross check, including	
aircraft output if appropriate, and include a gross error check?	
How does the performance application allow the display of both	
dispatch (regulatory, factored) and other results (e.g. in-flight or	
unfactored) for landing calculations?	
Have specific procedures been developed in the event of a single	
EFB failure?	
How have the additional training requirements of CAP 06	
Appendix E been addressed?	
How does the M&B application meet the requirement to show a	
diagram displaying mass and c-of-g positions?	
How have the Human-factors considerations of CAP 06 Appendix	
D been addressed?	
How does the presentation of user entries differ from that of	
default values or entries from aircraft systems/other components	
of the EFB?	
What indication is shown when an unachievable operation is	
calculated (e.g. insufficient runway length)?	
Are all data input fields automatically cleared when the EFB shuts	
down or enters sleep mode, or when modifications are made?	
If an Airport Moving Map Display (AMMD) is used, does the	
position source meet the requirements of ETSO-C165a?	
How has it been demonstrated that the EFB platform meets the	
software requirements of the AMMD?	
Have specific AMMD crew procedures and training been	
developed highlighting that it is only an aid to positional	
awareness and not to be used as the basis for ground	
manoeuvring?	
If a commercial off-the-shelf (COTS) position source has been	
used, how have the requirements of CAP 06 Appendix H been	
met?	
Do navigational chart applications display all necessary	
information in an appropriate form?	
If In-Flight Weather (IFW) applications are used, do procedures	
dictate the primacy of documented weather data and that they	
are not to be used for tactical decisions or to replace certified	
weather radar?	
Does the IFW display distinguish between observed and forecast	
weather?	
Is the validity time of the data displayed?	
Does the IFW display have an appropriate legend?	
Does the IFW display indicate partial or total loss of data?	
What additional training and SOPs have been developed specific	
to the use of IFW?	
If own-ship position is to be displayed, does the aircraft also have	
a certified navigational moving map display? (Mandatory except	
on VFR flights)	
Does the position source for own-ship display meet the	
requirements of CAP 06 Appendix H?	
Is the own-ship position removed when position data is lost?	
Are the flight crew able to unambiguously differentiate the EFB	
function from avionics functions available in the cockpit, and in	
particular with the navigation display.	
If the own-ship position is displayed on terminal charts (SID, STAR	
or approach plates) is the label 'AIRCRAFT POSITION NOT TO BE	
USED FOR NAVIGATION' displayed?	
Is the EFB own-ship symbol different from that used in the	
aircraft's primary navigation display.	



Question	Operator's Reference in Operations Manual or EFB Policy and Procedures Manual (if not applicable please make with N/A if applicable indicate reference).
How is map orientation displayed (e.g. North-up or track-up), and	
how is this indicated?	
Apart from day-VFR with visual references, is information on	
track/ETA/Altitude/coordinates/speed removed?	
How do crew disable the own-ship position indication?	
Does EFB training emphasise that EFB own-ship position should	
not be used as a primary source of navigation?	
Do procedures specify the intended use of the own-ship position?	
Do procedures include EFB into the regular scan of flight deck	
systems indications, in particular, systematic cross-check with	
avionics before being used, whatever the position source?	
Have procedures been developed for the case of identification of	
a discrepancy between the EFB and Avionics?	
Does the OM Part A include the details of the EFB	
procedures/hardware/software?	



Section B – General Aviation Only

Question	Operator's Reference in Operations Manual or EFB Policy and Procedures Manual (if not applicable please make with N/A if applicable indicate reference).
Has a risk assessment been undertaken, and submitted,	
incorporating all the elements required by CAP 06 Paragraph 7.2?	
Has an EMI assessment of the EFB been undertaken and	
submitted, and using which method?	
Has the EFB undergone environmental testing, especially for	
rapid decompression in accordance with EUROCAE ED-14D/RTCA	
DO-160D guidelines and submitted?	
Have all applications to be used on the EFB been classified (Type	
A or Type B) and detailed in the EFB Policy and Procedures	
Manual and listed in the OM Part A.	
Is the EFB able to be easily removed from its mount or stowage?	
Are any EFB 'anti-theft' devices removed before flight?	
Does the EFB have a suitable Mount or Viewable Stowage? If not	
have procedures been developed to ensure that it is stowed	
during critical phases of flight?	
Does the placement of the EFB device impair the crew's external	
view or access to instruments? Would it impede emergency	
egress?	
Is the display within 90 degrees of the crew member's line of	
sight, and would glare or reflection interfere with the pilot?	
If aircraft power is used, are the characteristics compatible with	
the EFB?	
Does the EFB have data connectivity to the aircraft; if so, how is	
transfer of data controlled?	
Are all connecting cables/power adaptors approved by the EFB	
manufacturer and placed so as not to cause obstruction?	
Does the EFB battery, and any additional battery power sources,	
meet the requirements of CAP 06 paragraph 6.2.1.2?	
If a viewable stowage is used has its location been documented	
as part of the EFB policy?	
Does the viewable stowage and associated mechanisms impede	
the flight crew members in the performance of any task?	
Is the viewable stowage easily locked in position?	
Does the viewable stowage's range of movement accommodate	
the expected range of anthropometric constraints?	
Will the viewable stowage be able to withstand all foreseeable	
conditions such as turbulence or hard landings?	
With the viewable stowage fitted is there any interference with	
aircraft controls or equipment?	
Can the EFB device be switched off when held by the viewable	
stowage?	
Can the viewable stowage be removed from the aircraft without	
the use of tools?	
Have procedures been put in place to ensure that the means of	
securing the viewable stowage remain within acceptable limits,	
and who will be responsible for conducting these serviceability	
checks?	
If the viewable stowage uses a suction cup type attachment, how	
was it demonstrated that they will function following a rapid	
decompression?	
How has it been demonstrated that following detachment of a	
viewable stowage it will not jam the flight controls, injure the	
crew or cause damage?	
Has the degradation of the display due to ageing/abrasion been	
considered?	
Can the screen brightness be adjusted through a range to suit all	
ambient conditions	
Are all required EFB buttons suitably back-lit?	
Are all controls properly labelled?	
What is the intended power source for the EFB, and how does the	
operator demonstrate its safety and adequacy?	



Question	Operator's Reference in Operations Manual or EFB Policy and Procedures Manual (if not applicable please make with N/A if applicable indicate reference).		
Has the safe stowage and use of the EFB under any foreseeable			
environmental conditions e.g. turbulence, been evaluated?			
What procedure has been adopted to ensure that any future			
changes to the EFB, hardware or software, are adequately risk			
assessed?			
What EFB administrative procedures have been developed to			
ensure adequate support for users, security validity and integrity			
of the device and software?			
If the EFB duplicates functions of the aircraft avionics, do			
procedures clearly identify which has primacy?			
Have procedures been developed to guide crew in the event that			
EFB information differs from that of the avionics?			
What procedures have been implemented to ensure that crew			
check that EFB data is up to date?			
What procedures have been implemented to ensure that the EFB			
does not cause excessive workload or preoccupation by the			
crew?			
What dispatch criteria have been established in the case of			
unserviceability of the EFB system?			
What procedures have been implemented for the routine maintenance of the EFB?			
What security procedures have been implemented to ensure the			
security of the EFB data?			
If electronic signatures are to be used, what procedures has the			
operator put in place?			
Has initial training on the EFB and its applications been conducted			
in accordance with the CAP 06 paragraph 7.13?			
If performance or mass and balance (M&B) applications are used,			
what is the source material for the information used by the			
software?			
Is the integrity of Performance and M&B applications checked by			
the programme before performing calculations?			
How is the integrity of the database files protected from			
unintentional modifications?			
Does Performance and M&B software have a unique version			
number?			
Are all Performance and M&B calculations retained for a			
minimum of 3 months?			
Have performance and M&B data figures been compared to AFM			
data across a range of conditions? (See CAP 06 paragraph 7.6 &			
Appendix F)			
Do procedures specify that calculations must be performed			
independently by both pilots with a formal cross check, including			
aircraft output if appropriate, and include a gross error check?			
How does the performance application allow the display of both			
dispatch (regulatory, factored) and other results (e.g. in-flight or			
unfactored) for landing calculations?			
How does the M&B application meet the requirement to show a			
diagram displaying mass and c-of-g positions?			
How have the Human-factors considerations of CAP 06 Appendix			
D been addressed?			
Are all data input fields automatically cleared when the EFB shuts			
down or enters sleep mode, or when modifications are made?			
If an Airport Moving Map Display (AMMD) is used, does the			
position source meet the requirements of ETSO-C165a?			
How has it been demonstrated that the EFB platform meets the			
software requirements of the AMMD?			
Have specific AMMD crew procedures and training been			
developed highlighting that it is only an aid to positional			
awareness and not to be used as the basis for ground			
manoeuvring?			



Question	Operator's Reference in Operations Manual or EFB Policy and Procedures Manual (if not applicable please make with N/A if applicable indicate reference).		
If a commercial off-the-shelf (COTS) position source has been			
used, how have the requirements of CAP 06 Appendix H been			
met?			
Do navigational chart applications display all necessary			
information in an appropriate form?			
If In-Flight Weather (IFW) applications are used, do procedures			
dictate the primacy of documented weather data and that they			
are not to be used for tactical decisions or to replace certified			
weather radar?			
If own-ship position is to be displayed, does the aircraft also have			
a certified navigational moving map display? (Mandatory except			
on VFR flights)			
Does the position source for own-ship display meet the			
requirements of CAP 06 Appendix H?			
Is the own-ship position removed when position data is lost?			
Are the flight crew able to unambiguously differentiate the EFB			
function from avionics functions available in the cockpit, and in			
particular with the navigation display.			
If the own-ship position is displayed on terminal charts (SID, STAR			
or approach plates) is the label 'AIRCRAFT POSITION NOT TO BE			
USED FOR NAVIGATION' displayed?			
Is the EFB own-ship symbol different from that used in the			
aircraft's primary navigation display.			
How is map orientation displayed (e.g. North-up or track-up), and			
how is this indicated?			
Apart from day-VFR with visual references, is information on			
track/ETA/Altitude/coordinates/speed removed?			
How do crew disable the own-ship position indication?			
Does EFB training emphasise that EFB own-ship position should			
not be used as a primary source of navigation?			
Do procedures specify the intended use of the own-ship position?			
Do procedures include EFB into the regular scan of flight deck			
systems indications, in particular, systematic cross-check with			
avionics before being used, whatever the position source?			
Have procedures been developed for the case of identification of			
a discrepancy between the EFB and Avionics?			