

## EFB Commercial Off-the-Shelf Software Manufacturers

The information in this document is intended to complement the Volpe Center's *Electronic Flight Bag (EFB): 2010 Industry Survey*<sup>1</sup> (see [www.volpe.dot.gov/hf/aviation/efb/docs/efb2010industrysurvey.pdf](http://www.volpe.dot.gov/hf/aviation/efb/docs/efb2010industrysurvey.pdf)). That report provides an overview of EFB systems and capabilities with a focus of the EFB user interface for both *systems manufacturers*, who provide both EFB hardware and software, and *software manufacturers*, who provide EFB software without hardware.

EFB *software manufacturers* can be classified into two categories. Some manufacturers offer an *integrated and customizable EFB software* package that integrates several functions and/or software applications. This integration offers a comprehensive solution by allowing software from one or more manufacturers to be accessed through a single user interface. In some cases, the applications may have a similar look and feel. Other manufacturers offer *commercial off-the-shelf software* that provide isolated functions or applications that have not been integrated, customized, or tailored for a particular platform. In this case, the user (pilot or airline) must integrate (i.e., install and configure) the software with third-party hardware.

Because software products change frequently, this document was created to provide up-to-date information on *commercial off-the-shelf software* manufacturers and the product(s) they offer for use on EFBs such as laptops, tablet computers, or installed EFB displays. The information was gathered via internet searches, vendor demonstrations, and product literature and is accurate as of June, 2010. If you are a manufacturer who would like to be added (or removed) to this table or would simply like to provide updated information, please contact Michelle Yeh at [michelle.yeh@dot.gov](mailto:michelle.yeh@dot.gov).

This information is intended to provide a snapshot of the available commercial off-the-shelf software for EFBs; neither the Volpe Center nor the FAA endorses any of the products in the table.

The table below contains the following information:

- Column 1 contains the name of the manufacturer and their location, if available. Each manufacturer's name is hyperlinked to their website.
- Column 2 contains the specific product name(s). The product names are hyperlinked to a subsite for that specific product, if available.
- Columns 3 - 19 identify different categories of commercial off-the-shelf software for EFBs: a filled circle (●) in one or more of those columns indicates that the manufacturer currently offers that software; an open circle (○) indicates that the software is in development. Any additional commercial off-the-shelf software that a manufacturer offers beyond those identified in these columns are listed under "Other" (column 20).
- The last four columns of the table describe the operating system (OS) for which each software product is designed, if that information was specified. Three operating systems are specifically identified: Windows, Certified OS (e.g., Linux), and iOS. If the software runs on an operating system other than these three, the "Other OS" column is filled. Please note that in this table, iOS refers only to software designed for use on the iPad and not software designed for use on any other iOS based device (e.g., iPhone).

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<sup>1</sup> Gabree, S., Yeh, M., and Jo, Y. J. (2010). *Electronic Flight Bag (EFB): 2010 Industry Survey*. DOT-VNTSC-FAA-10-14, USDOT Volpe Center: Cambridge, MA.

EFB Commercial Off-the-Shelf Software Manufacturers – September 2010

Manufacturer	Product Name	Software														Operating System							
		Data Link/Data Comm	Electronic Charts	Electronic Checklists	Electronic Documents	Enhanced Vision	Flight Performance Calculations	Flight Planning	GPS/Nav Display	Logbook	Moving Map (Enroute, Vertical Profile)	Moving Map (Airport Surface)	Synthetic Vision	Terrain Display	Traffic Surveillance	Video Surveillance	Voice Data Communications	Weather	Other Software	Windows	Certified OS	iOS (iPad)	Other OS
1. <a href="#">Adobe</a> San Jose, CA	<a href="#">Acrobat Reader</a>				•															•	•	•	Custom OS
2. <a href="#">Aero Data Solutions</a> San Clemente, CA					•																		
3. <a href="#">AeroCharts</a>			•																			•	
4. <a href="#">Aeroplanner.com</a> St. Louis, MO	Basic Flight Planner									•													
	Pilot Logbook										•									•	•		
	SmartChart		•																				
	Weather Station																	•					
5. <a href="#">Aircore Systems</a> Marsberg, Germany	<a href="#">AS-DORMAS</a>				•						•												

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6. <a href="#">Aircraft Data Fusion</a> Farmington, MN	<a href="#">Aircraft Performance Suite</a>						•																
	<a href="#">E-Maintenance Suite</a>				•														Engine Condition Reporting, ETOPS Checklist, Discrepant Reporting	•	•		
	<a href="#">Operations Support Suite</a>																		Crew Management System Interface, Digital Fuel Recording and Management				
7. <a href="#">Aircraft Performance Group</a> Castle Rock, CO							•																
8. <a href="#">Approach Systems Inc.</a> Orem, UT	<a href="#">APIC</a>		•					•		•			•					•		•			
9. <a href="#">Astoria Software</a> San Francisco, CA	<a href="#">Astoria On Demand</a>				•															•	•		

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10. <a href="#">Aviation Communication &amp; Surveillance Systems (ACSS)</a> Phoenix, AZ	<a href="#">SafeRoute™</a>																		Merging and Spacing	•	•		
	<a href="#">TAWS+™</a>													•									
11. <a href="#">Bytron</a> Lincolnshire, UK					•			•	•	•								•	Cabin Crew, Fuel and Emissions Management, Slot Management				
12. <a href="#">Cavu Companies</a> West Winfield, NY	<a href="#">EFB Pro</a>		•		•		•											•	Fuel Tankering	•			
13. <a href="#">Control Vision Corp</a> Pittsburg, KS	<a href="#">Anywhere Checklist</a>			•																•			
	<a href="#">Pocket Plates</a>		•				•																
	<a href="#">UltraTAWS</a>									•			•										
14. <a href="#">Coradine</a> Portland, OR	<a href="#">LogTen Pro</a>																					•	
15. <a href="#">Edgemont Aviation</a> Herndon, VA	<a href="#">Preflight Wx+</a>																	•	Crosswind Calculator, VOR Viewer, Hold Calculator			•	

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16. <a href="#">eFlight Systems</a> Wedemark, Germany	<a href="#">A.R.C.I.S.</a>																		Revision Cycle Monitoring	•			
	<a href="#">Crew Briefing System</a>																		Crew Briefing Information				
	<a href="#">eFRC Software</a>																		Form Completion				
	<a href="#">eJourney</a>						•	•										•					
	<a href="#">Pilot Briefing System</a>						•											•					
17. <a href="#">Euroscript</a> Bertrange, Luxembourg	<a href="#">Content Management System</a>			•																			
18. <a href="#">Evoke Systems</a> Norfolk, UK	<a href="#">Electronic Flight Operations Systems (EFOS): EFB</a>			•			•		•										Quality Reporting, Training Tools/Forms, Flight Safety and Incident Reporting				
19. <a href="#">Flight Explorer®</a> Bethesda, MD	<a href="#">Flight Explorer Pilot® Edition</a>						•										•			•			

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20. <a href="#">ForeFlight</a> Houston, TX	<a href="#">ForeFlight Charts</a>		•																				
	<a href="#">ForFlight Checklist Pro</a>			•																			
	<a href="#">ForeFlight File</a>																					•	
	<a href="#">ForeFlight Mobile 3 HD</a>		•		•		•	•	•		•							•					
21. <a href="#">Forward Vision</a> Russell, PA	Forward Vision					•																	
22. <a href="#">FS Kneeboard</a>			•	•														•				•	
23. <a href="#">Global Nav Source</a> Manitowoc, WI			•															•				•	
24. <a href="#">Hangar B-17</a> Redondo Beach, CA	<a href="#">WinEFIS</a>										•		•					•	Flight Director, Windometer, Attitude Indicator	•			
25. <a href="#">Honeywell</a> Morristown, NJ	<a href="#">AV8OR Horizon 3D</a>																						
	<a href="#">WINN™ Graphical Weather</a>																	•		•			

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26. <a href="#">InfoTrust Group</a> Irvine, CA	<a href="#">TechSight/X</a>				•														Maintenance Management				
27. <a href="#">Jeppesen</a> Englewood, CO	<a href="#">Jeppesen Mobile TC</a>		•																			•	
28. <a href="#">Mikelsoft</a> Abu Dhabi, U.A.E	<a href="#">CrewLog</a>																		Crew Logbook	•			
29. <a href="#">MKS</a> Waterloo, Ontario	<a href="#">MKS Integrity</a>																		Change Management				
30. <a href="#">Moving Terrain</a> Salzberg, Germany	<a href="#">Moving Map Software</a>									•													
	<a href="#">MT BlitzPlan</a>																						
	<a href="#">MT Camera</a>															•							
	<a href="#">MT Charting</a>		•																				
	<a href="#">MT Satellite Radar</a>																				•		
	<a href="#">MT TAWS</a>																						
	<a href="#">MT TCAS</a>																						
31. <a href="#">Myairplane.com</a> Cardington, OH			•																	•			

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32. <a href="#">Navimatics</a>	<a href="#">Aero Charts</a>		•					•														•	
33. <a href="#">Navtech</a> Waterloo, Ontario	<a href="#">Navtech aircraft performance</a>					•																	
	<a href="#">Navtech eCharts and Seamless Enroute Navigation Charts (SENC)</a>		•																				
	<a href="#">Navtech flight planning</a>						•																
	Other																		Crew Planning				
34. <a href="#">NC Software</a> Wilmington, DE	<a href="#">LogBook Pro</a>								•													•	
35. <a href="#">PC Avionics</a> Placerville, CA	<a href="#">MountainScope™</a>						•		•		•						•		•				



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36. <a href="http://PDFPlates.com">PDFPlates.com</a>			•																	•		•	OS X, eBook readers
37. <a href="http://PilotLog">PilotLog</a> Littlehampton, West Sussex, UK									•											•			
38. <a href="http://Ramco">Ramco</a> Lawrenceville, NJ			•	•						•	•												
39. <a href="http://RMS Technology">RMS Technology</a> Molalla, OR	<a href="http://FliteSoft">FliteSoft</a>					•	•	•									•	Fuel Locator					
	<a href="http://Vista">Vista</a>		•						•									Clearance Check, Profile View, Virtual Flight, Breadcrumbs, Attitude Display, Rubber Band Routing, Tool Bar, Recording/Playback	•				

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40. <a href="#">Rockwell Collins</a> Cedar Rapids, IA		•	•														•						
41. <a href="#">Seattle Avionics</a> Woodinville, WA	<a href="#">GlassView</a>									•			•										
	<a href="#">SmartPlan</a>		•				•										•						
	<a href="#">SmartPlates</a>		•																				
42. <a href="#">SITA</a> Geneva, Switzerland	<a href="#">AIRCOM</a>	•																					
43. <a href="#">SkyCharts</a>	SkyCharts Pro		•										•									•	
44. <a href="#">Skyjob</a> Buckinghamshire, UK						•	•												Framework for hosting EFB applications	•			

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45. <a href="#">Skypaq</a> Westmeath, Ireland	Skypaq <a href="#">eLog</a> "Enterprise"																		Electronic Technical Logbook, Maintenance Logbook, Fleet Airworthiness Monitoring, Defect Management, Cabin Log and System Integration solutions with partners Finnair					
46. <a href="#">SolidFX</a> Foxborough, MA	<a href="#">FX 8 eChart Reader</a>		•																					Custom reader
47. <a href="#">True Flight</a> Boulder, CO			•								•	•	•	•			•	Eagle Eye	•					

