

Software Name	Company	Platform	Planning tool	En-route Navigation suitable	Features included	Chart Style	Weather	NOTAM	Vertical Profile	Airspace Infringement Capability	Coverage	Costs	
EasyVFR	The PocketFMS Foundation	Android: Phone or tablet running Android 2.3 with a minimum of 768MB RAM Apple: iOS7 and higher. All iPhone 4 models and higher, all iPad 2 models and higher, Mac OSX 10.7 or higher Microsoft: Windows 7 & 8, Windows Phone 8.x	Yes	Yes	printing of flight plan briefings (NavLog, Weather, NOTAMS & Airspaces) using our unique EasyPrint system and PDF TripKit, Digital ATC flight plan filing for Europe and the USA, EFB Documents System with all European Approach Plates from AIPs Pooleys and DFS Anflugkarten (many of which are geo-referenced), GPX FlightPlan import & export to update onboard EFIS, Quick and easy "Direct To" functionality	The default EasyVFR Basemaps are charts that are highly detailed representations of vector based features. Besides these free Basemaps there are also digitized raster charts available from various National Governmental sources	Graphical METAR/TAF depiction, W/V at various altitudes, and European Advanced WX forecasts (cloud base into, SigWX such as rain, fog, drizzle and thunderstorms), WX for all supported regions and enhanced European WX forecasts from contracted professionals	Graphical NOTAM depiction, direct via EuroControl. NOTAM ALERT: Automatically receive a notification (android or ios) when a NOTAM is issued that effects a certain by the user pre-set location (for example the user's homebase)	3D view (with terrain shading relative to aircraft altitude in 2D and 3D)	EasyVFR automatically avoid certain airspaces, vertical Profile View for Airspaces. Also within 2 minutes of potentially infringing an airspace, AirspaceAVOID will alert the pilot by sight and sound, giving the pilot the opportunity to change track	Australia/NZ, Canada, Europe & the USA	annual subscription at € 69.99 per platform for unlimited data and app updates during the subscription period	
AirspaceAVOID	The Foundation	Android: Phone or tablet running Android 2.3 with a minimum of 768MB RAM Apple: iOS7 and higher. All iPhone 4 models and higher, all iPad 2 models and higher, Mac OSX 10.7 or higher Microsoft: Windows Phone version will be available end Q4 2014	No (it needs the flight plan from EasyVFR or any flightplan in GPX format)	Yes	Direct To GPS navigation & import of multi-leg flight plans, radar-like Moving Map display of the actual location, airports and airspace boundaries against a stark black background A special version of AirspaceAVOID is approved by United Kingdom NATS and is available for free to all UK pilots as part of NATS' efforts to reduce airspace infringements. Details can be found at http://www.pocketfms.com/AirspaceAVOID/indexUKAA.asp	See EasyVFR	No	Graphical NOTAM depiction, direct via EuroControl. NOTAM ALERT: Automatically receive a notification (android or ios) when a NOTAM is issued that effects a certain by the user pre-set location (for example the user's homebase)	No	Yes: within 2 minutes of potentially infringing an airspace, AirspaceAVOID will alert the pilot by sight and sound, giving the pilot the opportunity to change track	Australia/NZ, Canada, Europe & the USA	Data updates are € 12,99 per 28-day AIRAC cycle. The app costs € 12.99 because it includes the most recent AIRAC cycle database so basically it's free. Additional ICAO charts costs depends on the license fee	
ForeFlight Mobile	ForeFlight	Apple: iOS 7.1 or later	Yes	Yes	Pro Version USA: Includes all software and data updates, US terminal procedures, airport diagrams, IFR high and low enroute charts, VFR sectional, weather, ForeFlight Directory, scratch pad, document management, flight planning and filing, geo-referenced approach plates and airport diagrams, weight and balance, hazard advisor, plates on maps, profile view, annotations for plates, airport diagrams, flight alerts, cloud document management and storage. Provides service to one iPad (plus a backup iPad), one iPhone, and one iPod Touch. Pro Version Canada: See Pro Version USA, NAV CANADA VNC, VTA, geo-referenced CAP procedures and airport diagrams. Standard Version: All software and data updates, US terminal procedures and airport diagrams, IFR high and low enroute charts, VFR sectional, weather, ForeFlight Directory, annotations, scratch pad, document management, and flight planning and filing	Raster Charts	weather (weather radar and satellite, lightning, flight rules, winds data downloaded and overlaying the maps). Weather information provided include preflight planning charts from NOAA, weather radar and satellite, lightning, flight rules, winds data downloaded and overlaying the maps. ForeFlight supports Stratus with in-flight access to ADS-B provided weather information including radar. Thirteen different weather maps, ranging from composite reflectivity radar to ceilings and PIREPs	access to NOTAM including TFRs is both text and graphical when available			No	Charts and navigation data primarily available for the USA and Canada. Certain data is also available for Mexico, Caribbean, South America, and elsewhere. The ForeFlight Military Flight Bag (MFB) has global coverage. Please note we are currently working with Eurocontrol to improve our data coverage for Europe. The FAA and NAV CANADA use the same 28 and 56 day schedules for issuing data updates. New data always becomes active on a Thursday morning at 0901 zulu. You will be able to download these updates inside ForeFlight Mobile 4 days ahead of time - on the Sunday before the cycle changeover date.	Pro Version USA: 149.99 \$/year Pro Version Canada: 149.99 \$/year Standard Version USA: 74.99 \$/year
Mach7	X-ONE Technology	WEB flightplanner: PC, Mac in-flight GPS on moving map: iOS, android (both are synchronized)	MACH 7 PREPA WEB: flightplanner web connected. (PC, MAC); MACH7 FLIGHT : mobile flight planning; connected or without connexion	Mach 7 FLIGHT: flightplanning and en route GPS moving map.	Navigation log, weight and balance, metar, Taf, Weather maps, VAC, maps from 1:25000 scale to 1:4000000, restricted areas, including vertical presentation, 3D, printing module, etc. Informations comes only from official source: french DGAC, Eurocontrol, Meteo Group, Meteo France, other informations update according to AIRAC cycle (each month)	both vector Mach7 charts and ICAO raster charts	Metar, Taf, Weather maps: realtime update via MACH7 server (connexion requested for the update); french DGAC, Eurocontrol	realtime update via MACH 7 server (connexion requested for the update); french DGAC, Eurocontrol	MACH7 WEB: vertical profile of route planned MACH7 FLIGHT: vertical profil of route planned and vertical profile behind the aircraft.	Yes: Flightprofile is established knowing the zones (2D profile of zones is provided). realtime update via our server (connexion requested for the update); french DGAC, Eurocontrol	Europe	The full application is free with a basic 2,000,000 scale map (including flight planner and moving GPS). Only high definition maps have to be payed (average price of 50€). See website www.mach7.com	
SkyDemon	SkyDemon	SkyDemon Plan: PC running Windows 2000 or later SkyDemon Web: PC or Mac running Internet Explorer, Chrome, Firefox or Safari with the Microsoft Silverlight plugin SkyDemon Mobile: Windows CE 4.2+ or Windows Mobile 5.0+ SkyDemon for iOS: iPad 2 or better SkyDemon for Android: minimum Android version of 3.2 (Honeycomb)	Yes	Yes, except Web version	SkyDemon Plan: SkyDemon Vector Charts, Multiple Chart Styles, Route Planning, Virtual Radar, Airfield Contact Information, Airfield Plate Delivery, Georeferenced Plates, Printed Output, Planning Warnings, Fuel Performance and Cost, Weight and Balance, Pilot Log, Aircraft Profile Library, Flight Log Analysis, Export/Import via USB, GPS Navigation, Live Pilot Log, Live Virtual Radar, Navigation Warnings, HSI/ILS Instrument, Airfield Approach Information, VFR Flightplan Filing (extra charge for filing flightplans, per plan) SkyDemon Web: see SkyDemon Plan but without Airfield Contact Information, Airfield Plate Delivery, Georeferenced Plates, Aircraft Profile Library, Flight Log Analysis, Export/Import via USB, GPS Navigation, Live Pilot Log, Live Virtual Radar, Navigation Warnings, HSI/ILS Instrument, Airfield Approach Information. For the printed Outputs it has only PLOG and Charts. SkyDemon Mobile: see SkyDemon Plan but without Airfield Plate Delivery, Georeferenced Plates, VFR Flightplan Filing, Printed Output, Fuel Performance and Cost, Weight and Balance, Pilot Log, Aircraft Profile Library, Export/Import via USB SkyDemon for iOS: see SkyDemon Plan but without Export/Import via USB. Live Pilot Log and Airfield Approach Information are available only on iPad. SkyDemon for Android: same as SkyDemon for iOS.	Vector Charts: helps with scaling/rotating and manipulating a map in other ways, or presenting data in a way pilots are habitually comfortable with.	SkyDemon Plan: NOTAM Briefing, TAF/METAR Briefing, Forecast Winds Aloft SkyDemon Web: NOTAM Briefing, TAF/METAR Briefing, Forecast Winds Aloft SkyDemon Mobile: NOTAM Briefing, TAF/METAR Briefing, Forecast Winds Aloft. Normally requires prior sync with SkyDemon Plan to transfer data SkyDemon for iOS: NOTAM Briefing, TAF/METAR Briefing, Forecast Winds Aloft SkyDemon for Android: NOTAM Briefing, TAF/METAR Briefing, Forecast Winds Aloft	All version are provided with NOTAM Briefing but the Mobile Windows version has to be sync prior with SkyDemon Plan		Yes: All Version except Web Version. When approaching airspace, a colour-coded warning is displayed and you are shown a callsign and frequency (where available) to gain penetration. These warnings are configurable and can include danger, prohibited, restricted, controlled, sporting, MATZ and ATZ areas	Europe, USA, Australia, New Zealand, Southern Africa and more	€113 inc VAT per year, first year €202 inc VAT For your own personal leisure use on up to 2 Desktop PCs + 2 Mobile "tablet" devices. 30 days trial version	
iPilot	AIR Avionics	iOS (2009 or newer)	Yes	Yes	all data is kept updated free of charge on a daily basis (through deep integration with the openAIP project at www.openaip.net), text and on-map access to METAR/TAF data free of charge, the integrated airspace monitoring system actively warns from airspace infringements, integrated charts help taxing, the traffic system shows traffic from connected (using AIR Connect device which creates a wireless network and transmits data from aircraft systems (RS232) collision warning units (such as for example FLARM) and gives warnings in case of a collision threat, Butterfly Connect allows also to connect the device to other onboard systems, Sideview with airspace and terrain on course, Chart integration (geo-referenced) and reporting point integration, import of many common data-types, KML-Flight-Logging with logbook function and DropBox integration, traffic display and warnings, DirectTo and NEAREST Function	All aeronautical infos (airports, airspaces) and important terrain features (obstacles e.g.) are vector (and therefore selectable by the user). All topographical features like the terrain relief, rivers, streets are pixel graphics. This allows for perfect details and great looking terrain + the possibility to select desired aeronautical items quickly and to adjust these items in detail and size. All items on the map (graphic and vector) are available in several layers for perfect detail in any zoom range.	Text and on-map access to METAR/TAF data free of charge	No integration yet.	Yes (High resolution map with terrain database)	Yes: Airspace Warnings (aural and optical) and airspace overview	Free worldwide navigational-data with daily-basis updates using openAIP Optional DFS ICAO Maps	€59.99 (all map and airport/airspace data). Charts (e.g. Approach Plates) are available as In-App-Purchases. The licence is valid for 5 devices and the cost is only paid once. €159 (incl German VAT of 19%) for Butterfly Connect	

RunwayHD	Airbox Aerospace	iOS	Yes	Yes	Ultra fast map panning and zooming, easy pick and place waypoints, Multilayered ICAO maps from around the world, ability to add high detail mapping eg Ordnance Survey, 30,000+ Georeferenced vector airfields as standard, Ability to add geo-referenced airdfield diagrams eg Pooleys, Full 3D airspace warnings with frequencies; NOTAM display including Enroute NOTAM summary; Weather including TAF, METAR, rain radar and winds aloft; Side profile showing terrain and airspace ahead; Airspace updated in line with AIRAC cycle; Comes with Airbox own vector mapping as standard (with decluttering & text rotation); Full integration with Google Earth (Plan with satellite imagery); HAT route boxes display route vital information; Add your own geo-referenced documents, File flightplans direct from RunwayHD with Rocket Route; Add Points of Interest, Power Search: find almost any location on Earth, ie place names; Route Briefing generator; Save, reverse, open and send routes with ease; Flight Logging with breadcrumb trail; Customisable aircraft icons; Virtual ruler with distance, estimated time & fuel burn	mainly use of Raster charts. But it has a hybrid vector chart	Weather including TAF, METAR, rain radar and winds aloft	NOTAM display including Enroute NOTAM summary	Yes: 3D terrain and airspace	Yes: 3D terrain and airspace database is available to give a heads-up on terrain ahead of your current position. RunwayHD will warn pilots of any potential airspace infringements up to five minutes ahead of the aircraft's current position. All warnings are relative to the aircraft's flight level and take into consideration whether the aircraft is climbing, descending or drifting towards airspace.	Multilayered ICAO maps from around the world; Ability to add high detail mapping eg Ordnance Survey; 30,000+ Georeferenced vector airfields as standard; Ability to add geo-referenced airdfield diagrams eg Pooleys. Region covered: Australia, Brazil, Europe, New Zealand, South Africa, UK, USA, Zimbabwe, Thailand	£99 entry level subscription giving you free chart updates for your home country, full GPS navigation full live NOTAM weather feed for one year together with our Airbox vector mapping across the globe. Yearly subscription varies from region to region 30 days trial
Mobile EliteDeck VFR	Jeppesen	iOS for iPad / iPad mini. All models (except the iPad 1) are supported. Currently iOS 7 and iOS 8 are supported.	Yes	Yes	Airspace Updates are part of the regular data updates, and are coming every 28 days (AIRAC cycle based). Airspace Updates are part of the regular data update service. Seamless integrated Airport Diagrams & Area Charts to eliminate toggling between maps; General- and airport related text information fully integrated; Graphically overlaid METARS; Filters to reduce chart clutter for streamlined route planning; Location of nearby airports along flight route.	charts are vector type. All aviation related data is "data driven". Just the Topography itself is raster based, all other data is vector based.	METAR, TAF (text based and for METAR with a graphical depiction). Overlay weather (significant and weather) as forecasts in preparation for the next release	NOTAM (text and graphical depiction on the map)	No	Yes: "Mobile EliteDeck VFR" has Airspace warnings implemented in Flying Mode. 5 minutes prior entering an airspace, which is restricted or where a clearance is required, a warning will pop up including the Airspace information and the applicable contact frequency. Additionally the affected airspace will be highlighted on the map.	Portugal, Spain, France, Italy, Belgium, Netherlands, Luxembourg, Germany, Switzerland, Slovenia, Austria, Croatia, Denmark, UK, Czech Republic, Poland, Ireland. (Ireland is Enroute data only.) Jeppesen VFR Enroute charts and the seamless integrated VFR approach charts and taxi charts. All in one standardized vector based depiction in a unique design.	€ 349,- for first year, then € 297,- for the following years for all available European countries. Smaller coverages available as well. License is for 2 devices (Backup option). 30 days free trial, fully functional, all available European countries.
Flight Planner	ifos	Windows XP, VISTA, Windows 7 oder Windows 8	Yes	No	Based on licensed ICAO-charts of major European ANSPs Airspace and navigational data maintained in custom database, updates based on "classical" paper AIPs and use of EAD, Fully automatic client updates in normal AIRAC cycle, NOTAM and weather integration based on (German) DFS and DWD data, Airspace warning and airspace crossection view for planned flights, 3D visualization of planned flights including airspace in Google Earth	both raster and vector, but raster preferred due to the "jumping label problem": usually the airspace labels (essentially all labels) turn and jump all over the screen, when the viewport or the zoom is changed. This forces the user to really read the map to orient himself instead of a quick glance to a more "paper-like" look-and-feel of a raster map). The user can turn on a vector overlay of the digital airspace data on top of raster maps.	weather integration based on (German) DFS and DWD data	NOTAM based on (German) DFS and DWD data	Yes: airspace crossection view for planned flights, 3D visualization of planned flights including airspace in Google Earth	Airspace warning and Airspace crossection view for planned flights	ICAO Charts: DE, A, CH, F, UK, PL, NOR, S, FIN, LT, EST, LV DFS Visual 500: A, B, NL, DK, PL (West/ North West), CZ Aerotouring VFR Flight Chart Italy (1:500 000) VFRMap Charts: E/PT, H, South-East Europe VFR Charts (1:500 000 and 1:200 000): CZ, SK General chart with FS- Printing (Flugsicherung): DE VFR Chart (1: 200 000): A, SLO TK50 Charts: German Bundesländer	Price range from 259 Euro up to 499 Euro (depending on map coverage)
Sky-Map	ifos	IOS, Android and Windows and as panel mount device (MFD)	Yes (only in static Map mode): also works with Flightplanner together	Yes	Airspace update monthly if an AIP subscription exists or with installation of new/updated enroute charts, NOTAMs as text and graphical on map, Weather with pc_met subscription from DWD, Airspace warnings in optical and acoustical form (highlight on map, text and spoken warning on audio output), Display of airspace and terrain section seen in heading direction with adjustable range, Static and Moving Map, Auto-Zooming near an aerodrome (and the software change the chart type from ICAO to VAC), Airspace Overlay, "Nearest Aerodrome" function, "Direct-To" function	both raster and vector, but raster preferred due to the "jumping label problem": usually the airspace labels (essentially all labels) turn and jump all over the screen, when the viewport or the zoom is changed. This forces the user to really read the map to orient himself instead of a quick glance to a more "paper-like" look-and-feel of a raster map). The user can turn on a vector overlay of the digital airspace data on top of raster maps.	Weather with pc_met subscription from DWD, Rain Radar as an overlay, GAFOR as an overlay	NOTAMs as text and graphical on map	Yes	Airspace warnings in optical and acoustical form (highlight on map, text and spoken warning on audio output)	Maps are synchronized with Flight Planner or can be buyed as add-ons, manual scanned Charts can be used also.	Price range from 259 Euro up to 429 Euro (depending on map coverage)