



WILDLAND FIRE INFORMATION AND TECHNOLOGY



Wildland Mobile Technology Working Group Mobile Technology Cheat Sheet

Note: This list is not a recommendation or endorsement of any of these applications/technologies. This list is not all inclusive. Application/technology use and preference is very user specific.

Mobile Applications

The tables below are applications widely used within the Fire and Aviation Management Community.

Geospatial/Mapping Applications

<i>Application</i>	<i>Website</i>	<i>Operating Systems</i>	<i>Description</i>
Collector	ESRI, Collector for ArcGIS	iOS, Android, Windows 10	Offline collecting and updating of data in the field that works with ArcGIS Online. IMTs will be using this increasingly during fire season for incident data collection and maps.
Avenza PDF Maps	PDF Maps website	iOS, Android	Geospatial PDF, GeoPDF and GeoTIFF reader. Easily downloads, browses and interacts with maps. Formats supported by ArcGIS. Ability to geotag photos, mark waypoints, export, etc. Available offline.
Topo Maps	USGS topographic Maps on iPhone and iPad	iOS	Downloadable USGS TopoMaps and many features available such as waypoint marking, distances, navigation, etc.
GIS Pro by Grafata	GIS Pro on iTunes for iPhone and iPad	iOS	Downloadable map tiles and ability to create features while collecting data. Easy import and export via iTunes or email - of KMLs and SHP files. Available offline.
Glympse	Glympse an app to Share location information	iOS, Windows, Android	Location sharing in real-time
ForeFlight	Foreflight, Intelligence mapping for pilots	iOS	Intelligence mapping for pilots. Features hazards, track up, terrain maps, runway centerlines and traffic patterns. Also provides documents for Flight Ops. Yearly subscription cost.
Gaia GPS-Offline Topo Maps	GAIA GPS, Downloadable topo maps	iOS, Android	Downloadable topo maps, offline caching availability. *GAIA is free for firefighters .
You Need A Map	iTunes Various Maps of the USA	iOS	Large US map. Data is based on US Census and OpenStreetMap.org. Large file 2GB. Good quality topo with roads included.



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Real time updates, primarily weather applications

<i>Application</i>	<i>Website</i>	<i>Operating Systems</i>	<i>Description</i>
Aero Weather Lite	Lakehorn, AeroWeather Pro	iOS	Current weather conditions and forecasts for pilots. Also contains searchable database.
Darksky	Dark Sky, Source of Hyperlocal Weather	iOS, Android	Dark Sky is the most accurate source of hyperlocal weather information. With down-to-the-minute forecasts, you'll know exactly when the rain will start or stop, right where you're standing.
Sunrise	Sunrise/Sunset Calculator	iOS	Simple sunrise/sunset times automatically selected based on your lat/long location. Can operate on an iTouch and offline.
My Radar	NOAA Customizable Antimated Radar	iOS, Android	Animated weather radar around your current location. Option to receive weather warnings and alerts.
Wundermap	Weather Underground Customizable weather	iOS, Android	Displays weather at your current location.

Documentation and Notes Applications

<i>Application</i>	<i>Website</i>	<i>Operating Systems</i>
Google Applications (Drive, Docs, etc)	Google Mobile iTunes App Preview	Android, iOS
DoForms	DoForm, Mobile form builder	Android, iOS
Evernote	EveryNote	Android, iOS
Notability	Notability, Note taking on Mobile device	iOS
Theodolite	Theodolite on iTunes (Theodolite lets you take geo-tagged camera images, screenshots, movies, and screen movies directly from the app, with 2X and 4X digital zoom and fast buffered saves. You can choose to overlay geographical data, time, date, and custom notes directly on photos and movies.)	iOS
Incident Command Table	Table Command Homepage	iOS, Android



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<i>Application</i>	<i>Website</i>	<i>Operating Systems</i>
MS Office Apps	Microsoft WORD on iTunes	iOS, Android,

Wildland Fire Specific Applications

<i>Application</i>	<i>Website</i>	<i>Operating Systems</i>	<i>Description</i>
Fire Weather Calculator	Fire Weather Calculator on Google Play Fire Weather Calculator on iTunes	iOS, Android	Calculation of RH, FDFM, and PIG. Archiving of weather obs. Attach pics and share.
WildFire Info	FireWhat Incident-related data & information, NOT ACTIVE	iOS	Incident information including fire perimeters
Wildland Toolkit	Peakview, Wildland Toolkit	iOS	Fire behavior checklists and calculations as well as IRPG safety checklists.

Miscellaneous common applications

<i>Application</i>	<i>Website</i>	<i>Operating Systems</i>	<i>Description</i>
AndFTP	AndPDF for FTP Clients	Android	FTP client to use when accessing the NIFC FTP site (the official interagency repository for incident data)
Perfect Reader	Perfect Reader Pro - PDF and Document Reader	iOS	PDF Reader, annotator and file converter
DropBox	Dropbox, Mobile File Storage App	iOS, Android, Blackberry	Cloud storage
FTPClient Pro	FTP Client Pro on iTunes	iOS	FTP client when accessing the NIFC FTP site (the official interagency repository for incident data)
QR Reader	Tape Media QR Code Reader	iOS, Android	Scans QR codes
Social Media	Official Twitter / Facebook pages	iOS, Android, Blackberry, Windows, Nokia	Social media apps, track real time info, follow IMTs, Crews, Dispatch Centers, GACCS, etc.

*Reminder: This isn't all inclusive, there are several more applications that may be beneficial for specific users (i.e. GISS, Aviation personnel).

**Note: there are several mobile websites that are frequently utilized as well: WFDSS-Lite, WildfiresNearMe, EGP, etc.



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Department and Agency Assistance and Guidance

Refer to your Department / Agency CIO website for guidance regarding purchasing mobile applications and associated policies or contact your local IT specialist for assistance. Certain mobile technologies (devices and/or applications) may require a Technical Approval process.

Mobile Devices

It's really user preference! Consider what you'd primarily use it for and ask yourself a few questions to guide your selection between operating system, tablets, smartphone, and device storage:

- ✓ Do you use your device for mapping / media storage (photos) / documentation?
- ✓ Do you have difficulty seeing your screen or using your screen's keyboard?
- ✓ Do you use applications that are only available on certain operating systems?
- ✓ Do you prefer the biometric lock feature (iOS) vs typing in your password?
- ✓ Do you have room (cargo pocket / laptop case) to carry a bigger device?

Mobile Device Accessories

There are several accessories (e.g. solar chargers, battery boosters) that are helpful within the fire and aviation environment. Research and ask your co-workers what works best for them.

[Mobile Technology in Fire and Aviation Management](#)

(Hosted by the Wildland Fire Lessons Learned Center)

Share advice, ask questions and keep tabs on how mobile technology is being used with your co-workers. Sign up as a member now:

[Wildland Fire Lessons Learned Center Registration](#)