

| Mobile App Functionality Last Updated: 6/8/2022 | Supported Field Map Functions | Supported S1 Functions | Notes | Coming in Next Version of S1 |
|--|----------------------------------|---------------------------|---|------------------------------|
| Map Display | | | | |
| Users can use all functionality in the mobile app | NO | YES | FM has some functionality restrictions. (Some features require upgraded licensing) | |
| See AGOL Item information prior to downloading content | NO | YES | | |
| Filter Download File Type Added filter for map data download by file type (Feature services, Webmaps, mmpks, User created basemaps "tpk, tpx, vtpk, geotiff"). | NO | YES | | |
| Support for feature services independent of a Web Map Download editable data from either a standalone feature service or web map. | NO | YES | S1 can download and edit standalone feature services | |
| Prepare maps in Map Viewer in ArcGIS Online (AGOL) Save maps and share with the Organization. | YES | YES | | |
| Read-only Web Maps & Mobile Map Packages (.mmpk) No editable layers. MMPK are authored in ArcGIS Pro only. | YES | YES | | |
| Web Maps enabled for offline editing A web map that includes editable layers. | YES | YES | | |
| Download maps to your device and work offline Basemaps, Web Maps and mobile map packages. | YES | YES | | |
| Side-Loading basemaps to mobile device Prepare your basemap as a map tile package (.tpk or .tpkx file) or vector tile package (.vtpk file - ArcGIS Pro only) or GeoTiff and manually copy via usb connection to the mobile device. | YES | YES | | |
| All supported Basemaps file types can be used as a basemap - .TPK, .TPKX, .VTPK & GEOTIFF. | NO | YES | | |
| View multiple downloaded basemaps in App and adjust transparency on the fly to layer basemaps on top of each other. | NO | YES | | |
| Support for Vector Tile Services Vector Tile packages (.vtpk) are created in ArcGIS Pro only. | YES | YES | | |
| Directly download Vector Tile packages (.vtpk) Download from the group-->map list in the app. | NO | YES | No TPKs, GEOTIFFs, Hosted Feature Services, Direct basemap downloads with Field Maps. | |
| Create and Share Sketches to add mark-ups to maps | YES | YES | | |
| Maps page View maps that are included in your shared groups. | YES | YES | | |
| Collect and update data using the map or GPS (even in the background) Opening a map and making edits with or without GPS on. | YES | YES | | |
| Share map via link to the map in the App A direct link to open a map in the app. | YES | NO | Link to map in AGOL only, no share link to the map directly in the app. | |
| Data Collection and GPS | | | | |
| Tracklogs (Toggle on/off) Passive location collection in background to track the path of where the user/device has been. Can be on while actively collecting other new features. | NO | YES | | |
| Collect Corporate Data (sync n submit/BLM Mobile Themes) (BLM Only) Edits can be synched back to SDE Corporate Databases when network connectivity is available. | NO | YES | Custom S1 workflow for SDE mobile versions. | |

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| Final Sync and Submit Totals of features and Attachments (BLM Only) Totals of features and attachments or each sync is calculated and displayed to users. | NO | YES | Custom S1 workflow for SDE mobile versions. | |
| Sync and Submit Successful Email Notification Once the mobile version has been submitted successfully, the QAQC Editor specified in the Sync and Submit Version form will get an email notification. | NO | YES | Custom S1 workflow for SDE mobile versions. | |
| GPS Offsets Apply offsets to features by recording both a GPS position and an associated distance and direction to the object of interest | Sort of | YES | Use current gps location as reference and user inputs a distance and a direction. The new feature is created there instead of current gps location. Connected bluetooth laser "required" with FM, S1 allows user to define distance and uses onboard device sensor for offset direction. | |
| Configure GPS metadata autopop fields on device | NO | YES | S1 allows on the fly autopop field configuration | |
| Start and stop tracking and capture features Using tracklogs and stop to capture features, geophotos, waypoints or downloaded data. | NO | YES | | |
| Sync an offline map area as pending edits No network availability, data is downloaded and cached on the device then synced when there is a network connection. | YES | YES | S1 does not use the term pending edits. There is no live editing option. All Data collection workflows are | |
| Capture and Inspect Features Add data; points, lines, polygons and able to inspect the features geometry and attributes. | YES | YES | | |
| Record where you've been and share your location Share tracklogs. | NO | YES | | |
| GPS Averaging Consists of taking several GPS position measurements at the same location and averaging the location of all positions collected. | YES | YES | | |
| Collect points, lines, areas, and related data | YES | YES | | |
| Snapping To Features Snaps to features within a certain radius. Can be toggled on or off. | YES | YES | | |
| Use external Bluetooth GPS receivers | YES | YES | | |
| Nested Features Funtionality | NO | YES | In S1, Nesting a feature essentially lets the user pause collecting one feature and collect a new feature in a different layer, then accept that feature and return to and continue collecting the original feature. | |
| Use of GPS built into the device | YES | YES | Pulls from the GPS built into the device and/or attached GPS receivers. | |
| Support for QR code and barcode scanning | YES | NO | | |
| Start and stop tracking from a link, Google Assistant, or the companion Apple Watch app | YES | NO | No - May be a function of Tracker & FM, which is an additional licenscing cost for the BLM. | |
| Support for data entry using radio buttons An option in Smart Forms for data collection web map apps. | YES | NO | This is a setting in Field Maps Smart Forms to allow radio buttons instead of a "combo box" pulldown list option for the field data entry. Not supported yet for S1. | |
| Start tracking for a specific duration | YES | NO | No - User must manually enable/disable tracklogs in S1. | |
| Indoor mapping | YES | NO | | |
| Smart Forms and Tables | | | | |
| Offline maps from Google The Google map can be cached to the mobile device to allow turn-by-turn navigation when offline. | YES | YES | | |

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| Share Location Button Share location using various methods such as email, Google Maps, memo apps, and Bluetooth. | NO (only with tracking license) | Sort of | There is no dedicated "share location button" however, location can be shared in S1 through the Geotagged photo or feature attachment UI by tapping the share button, if a data connection is present. | |
| Google Maps Navigation Directions Select a Map Routing application, like Google Maps, to get directions to the desired location. With Wireless or 4G connection. | YES | YES | | |
| Support for domain list in the table Controlled attribute list to pick from when collecting data. | YES | YES | | |
| Editing Related Tables | YES | YES | | |
| Support for Related Tables Preview in the Feature Info Popup | YES | YES | | |
| Fill out Map-Driven Smart Forms | YES | YES | Caveat; S1 does not support field calculations, radio button option or layer descriptions or placeholder/hint text in smart forms. | |
| Copy a feature's shape | YES | YES | | |
| Copy feature's attributes | YES | YES | | |
| Certain fields can be required for data entry when visible | YES | YES | Bold Text Denotes required fields in S1 | |
| Support for placeholder (hint) text and descriptive text - Smart Forms | YES | NO | Supported in AGOL for data, not supported in S1 mobile mapper forms, yet. | Planned for future release |
| Edit multiple features at once (attributes) | YES | NO | looking into some sort of bulk feature tool for S1 app. | Considering for future release |
| Ability to create new Form Elements in AGOL Create new fields for a feature in Form Builder AGOL - Bar Code, Date/time, Number field (double and integer), text field (multi or single line) - <i>New with AGOL Oct 2021</i> | YES | YES | Yes can add new element fields in form builder - S1 supports date, text and number fields- not the Bar code element. | |
| Configure read-only fields in the smart forms | YES | YES | | |
| Attachments and Tools | | | | |
| Laser Rangefinder Integration | YES | YES | S1 Supports TruPulse 360 Bluetooth laser rangefinder, Field maps Eos systems devices. | |
| Waypoints A set of coordinates that identify a point in physical space. | NO | YES | Ad hoc data collection option in S1 | |
| Labeling Waypoints and Tracklogs and Update Waypoints Attributes | NO | YES | | |
| Geotagged Photos Adding geographical identification metadata to various media. | NO | YES | ad hoc geotagged photo capture in S1 | |
| Buffer Geometry Tool Buffer features by user defined radius. | NO | YES | S1 Creates a new polygon feature from the buffered feature (does require having a polygon target feature to work) | |
| Attribute field search for large domains | NO | YES | FM-"Currently, coded value domains are not included in the list of fields to configure for search, as this typically | |
| Log files Shareable and User Readable Helps users with troubleshooting issues. | YES | YES | | |
| Ability to Toggle on/off Attachment Icons In S1 Options. | NO | YES | FM has no attachment indicator icon. S1 allows the user to see which features have attachments in the map view | |
| Query Attributes Tool A query can be created with no attribute filter, a single attribute filter or several attribute filters. | NO (API request only) | YES | | |
| Compass Rosette Navigation Tool | NO | YES | S1 opens a full screen compass with red arrow showing direction to nav target. | |

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| Enter Coordinate Tool Allow coordinates to be specified and used as a Navigation Target, to create a feature or Find Existing Features at the location specified. | YES | YES | | |
| Attach photos and videos to your features | YES | YES | | |
| Search for features, coordinates, and places | YES | Mostly | S1 has no GNIS place search option for addresses, street names etc unless it is within a feature service attribute field. | Considering for future release |
| Find Nearby Features Tool Will search for any existing features currently loaded in the map that are nearby the coordinates specified and within current map zoom level. | YES | YES | | |
| Measure Tool Measure distance and Area by sketching in the Map View or by selecting an existing line or area feature. | YES | YES | | |
| Support for defining photo size and related types | YES | YES | | |
| Attach PDF, Word, Excel, CSV files during collection New with Field Maps Oct 2021 release | YES | NO | | Considering for future release |
| Capture and play audio attachments New with Field Maps Oct 2021 release | YES | NO | | Considering for future release |
| Favorites (formerly my places) New with Field Maps Oct 2021 release | YES | NO | | |
| Dark theme Android - New with Field Maps Oct 2021 release | YES | NO | S1 Does have 3 options for app "Themes" though, classic grey, BLM orange & Forest Service green. | |
| View sync errors from maps list New with Field Maps Oct 2021 release | YES | NO | S1 alerts users via error message popups for unsuccessful syncs and does not have a live edit view of webmaps like FM does. All workflows in S1 are offline then synched back. | |
| Display recent "feature" templates in list New with Field Maps Oct 2021 release | YES | NO | FM-This will list the 3 most recently used feature templates to minimize scrolling/filtering when you have a long list. S1 uses the order of the feature layers in the web map, but does allow users to expand or contract the edit templates within a layer. | |
| Support for Related Tables of Related Tables (a>b>c) | NO | YES | | |