

เอกสารประกอบการฝึกอบรมการใช้งานระบบ

Field Information Support Tool (FIST)

หลักสูตร Operator Training ¹⁵

Mobile Application

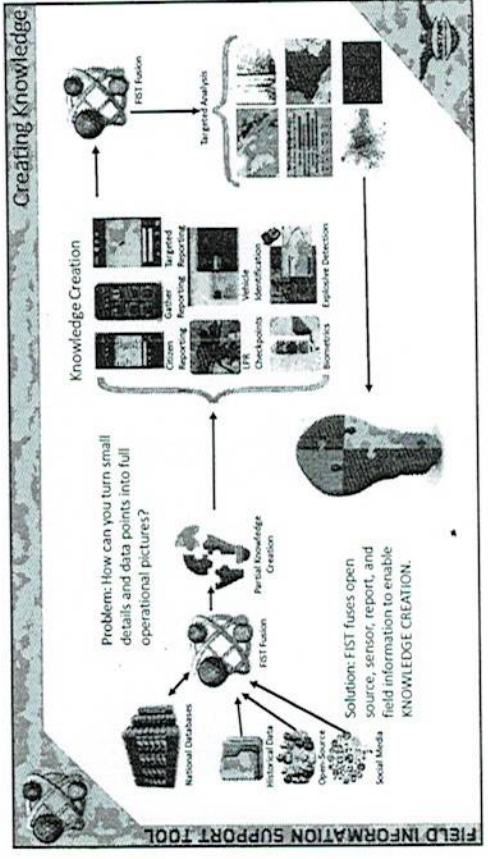
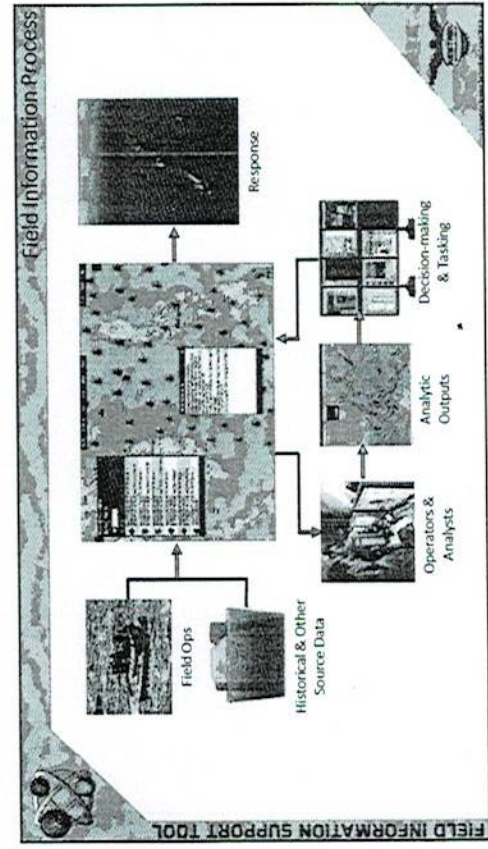
- ✓ Multilingual & media rich field collection reports
- ✓ Audio, video, photographs and text
- ✓ Date time group
- ✓ GPS, signal strength (cell and WiFi)
- ✓ Works in multiple connectivity scenarios
- ✓ Data stored locally when no connectivity
- ✓ Special protocol for intermittent connection
- ✓ Satellite burst protocol for remote areas
- ✓ Rapid field operational awareness
- ✓ Text messaging, blogging and real-time alarming
- ✓ First responder tracking for personnel safety
- ✓ Mission status notification

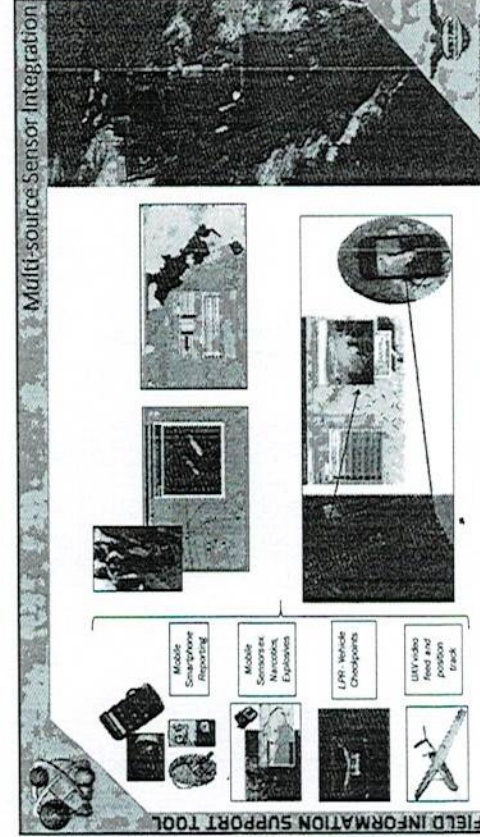
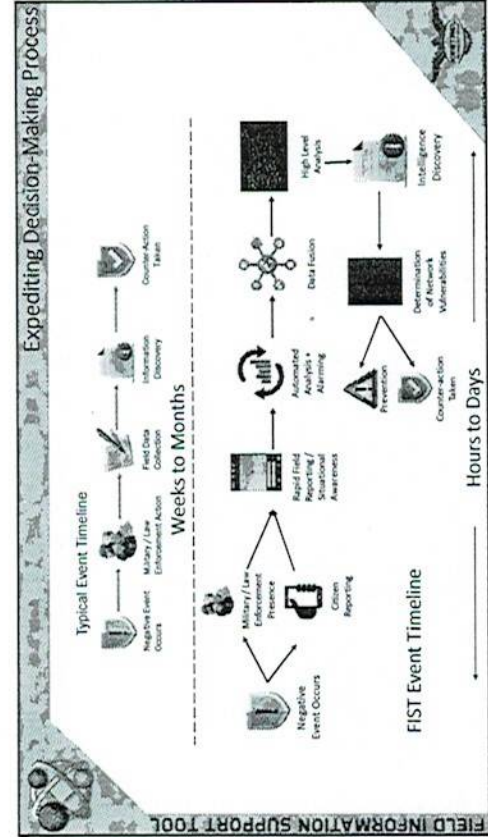
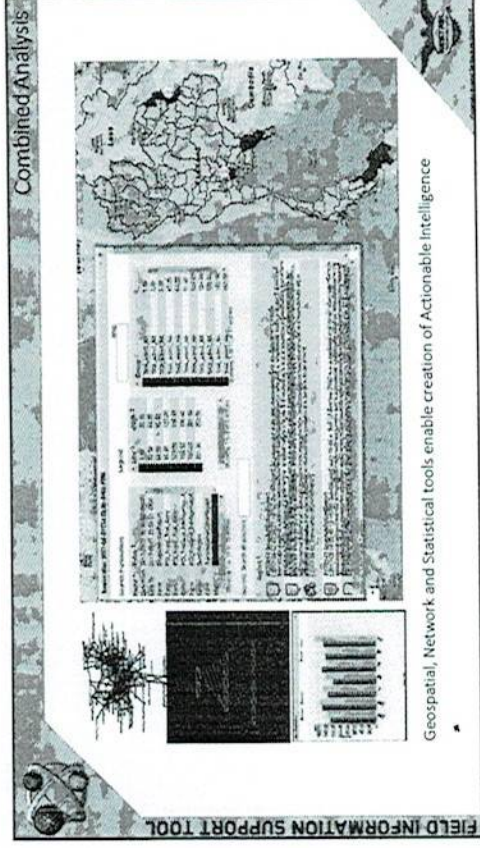
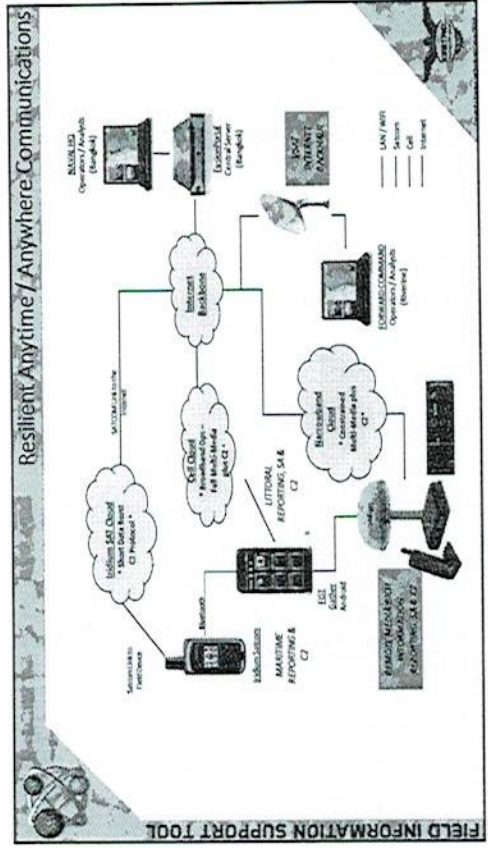
FIELD INFORMATION SUPPORT TOOL

Online Portal


- ✓ Web Portal
- ✓ Internet browser
- ✓ SSL connection
- ✓ US or partner nation hosting
- ✓ Multi Source Data Fusion / Visualization
- ✓ Field reports
- ✓ Historical & sensor data
- ✓ Social media / news
- ✓ Partner data
- ✓ Live video streaming
- ✓ Knowledge creation
- ✓ Text messaging, blogging and real-time alarming
- ✓ First responder tracking for personnel safety
- ✓ Mission status notification

FIELD INFORMATION SUPPORT TOOL






Key Benefits Summary

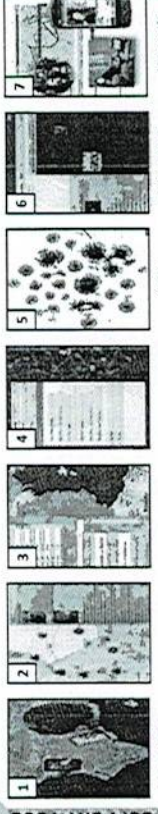


- Situational Awareness: Robust reporting and Command and control anywhere in the world, 24/7
- Fused Data Visualization & Analysis: Real-time field reports, multi-source data and an easily navigated geospatial COP (Common Operating Picture) improves analysis and decision-making
- Command & Control: encrypted message & tracking of field assets, force protection, and tasking plans
- Data Management: Secure and controlled integration for organizational systems; Selective data sharing to enable inter- and intra-agency collaboration
- Sensor Integration: Integration of cameras, UAV, identity management and other sensors feeds to increase Situational Awareness and enrich Analysis

Countering Dark Networks

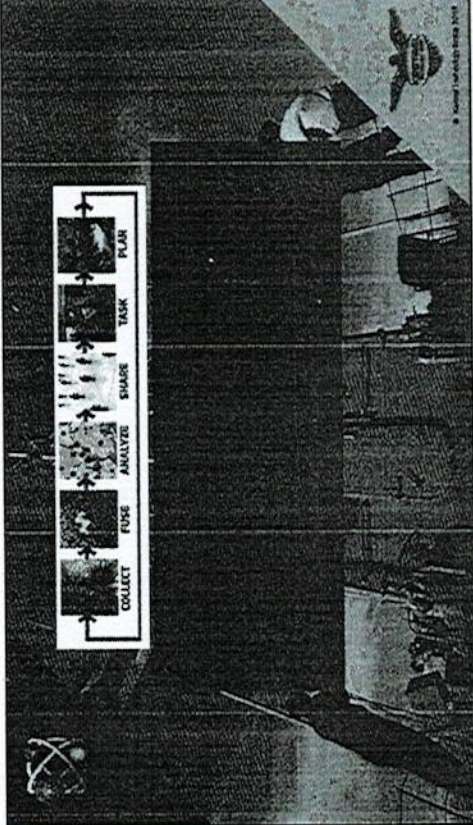


FIST utilizes Social Network Analysis to illuminate emerging patterns of "dark networks" for analysis and action



- 1 Multi-Media Field Collection
- 2 Report Visualization
- 3 Multi-Source Data Fusion
- 4 Multi-Variate Data Export
- 5 Social Network Analysis
- 6 Field Tasking & Targeted Investigation
- 7 Network Discovery & Disruption

- ❖ This aids the characterization of connections between people, places and events
- ❖ It aids the establishment of dark network structures, associations, audiences, and potential weakness
- ❖ This analysis creates understanding of the networks to identify opportunities to disrupt them



COLLECT FUSE ANALYZE SHARE TASK PLAN



FIST
FIELD INFORMATION
SUPPORT TOOL


Introduction to Gather

Basics A

Module 04

May 2019

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Gather Application

- Gather is the field/mobile component of the FIST System; it is the software application for mobile devices (smartphones, tablets)
- Gather supports C2, asset tracking, field reporting, and more
- Gather enables field assets to provide and receive vital data to support and achieve mission objectives

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VPN Application Icon

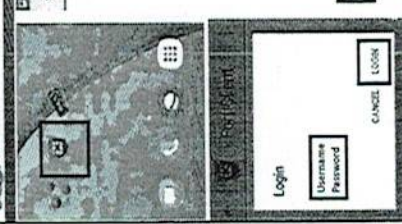
Important Notes

- VPN connection is required for 1st login
- VPN is required for HiBand connection mode, which will be cover later in training


Like the Portal, Gather is a secure application.

In order to Login*, the VPN must first be connected

Click the FortiClient icon to open, click Connect, enter Username & Password and login in.

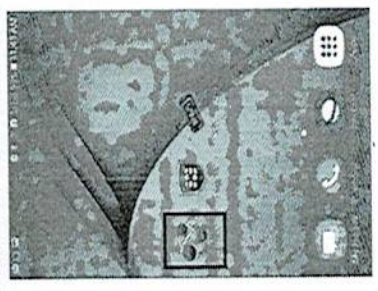



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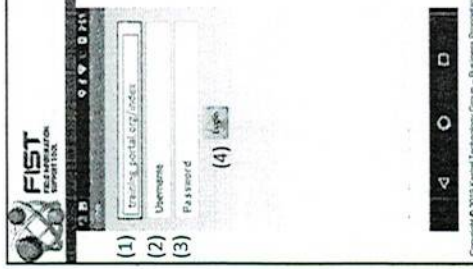
Gather Application Icon



Click on the Gather icon to open application 

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Gather Login Page - Full



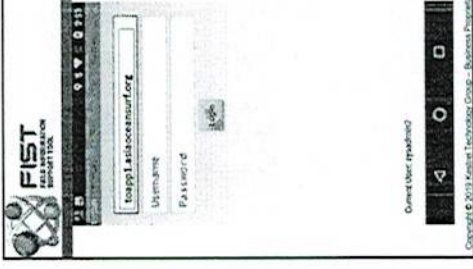
- When Gather opens for the first time, the 'full' login page is loaded.
- The 'full' login page has three fields: System URL (1) Username (2) Password (3)
- Enter a valid username/password combination and tap the 'Login' button (4)

Important Notes

- Username is **not** case-sensitive
- Password is **case-sensitive**
- The full login page **requires** VPN connection to authenticate
- Changing (1) will prevent access to *Gather* – do not change unless directed by System Admin / Trainer

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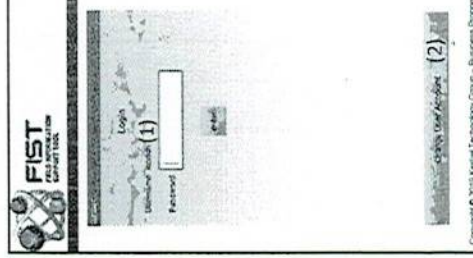
Gather Login Page - Full



- If you find yourself at full login page, but believe you have already authenticated – look to bottom left corner
- You will see – Current User: xxxxx if already authenticated.
- If the authenticated User is your account, click the Android back arrow. This will bring you to short login.
- Do not attempt to login from full login in page, if there is a current user authenticated, unless directed to do so by System Administrator

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Gather Login Page - Short



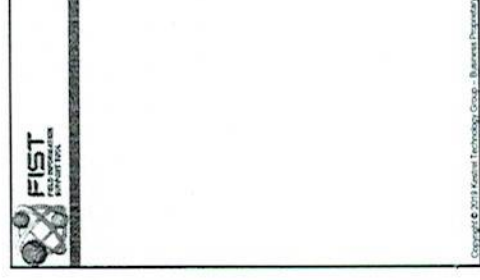
- Once Gather has been authenticated the first time, the user will be taken to the short login after timeouts or closing app/phone.
- The currently authenticated Username is displayed (1)
- Only the Password must be entered to access Gather
- The User account (username) can be changed by clicking 'Change User Account' (2)*

Important Notes

- Entering a new User Account requires system authentication
- If Wi-Fi / Cell connection is not available, authentication is not possible – User could be locked out if 'Change User Account' is attempted

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Login Credentials



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Gather Home Page

Annotations:

- Quick Menu
- Menu Slider
- Settings Menu*
- Connection Mode Menu
- Quick Buttons

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Gather – Quick Menu

Available Items:

- Home** – Gather Home Screen
- Tracker Map** – Locate Users and Reports
- Messages** – View and Send messages
- New Report** – Start new Long Report Form
- Plan** – Open available PLANS
- Log Out** – Log out of Gather

Important Notes

- PLAN stands for Planning, Logistics, Assignment, Notifications
- Menu Slider allows rapid navigation between Gather functions

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Slider Menu

Available Items:

- Home** – Gather Reporting
- Map** – Locate Users and Reports
- MSG** – Send and receive messages
- Users** – View User activity and info
- Search** – Search database for report records
- PLAN** – Access available PLANS

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Connection Mode Menu

Available Items:

- HiBand Mode** – Supports all Gather Functionality. Requires VPN
- InReach Mode** – Supports Report Submission (w/ delayed media) and C2. Requires InReach unit
- LoBand Mode** – Supports Report Submission (w/ photo media), C2 & User search

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Settings Menu

Available Items:

- Check for Updates - Notify HQ of activity status (1st & Last operation)
- Download/delete Long Report Forms; and monitor report submissions status
- User preferences - Create log file for admin debugging

Check for updates - Check for new version of Gather application to download

Download Long Report Forms

User preferences

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Quick Reports

Available Items:

- Initial Reports
 - Comms check
 - Initial Contact
 - Lost Contact
 - Target
 - Location
- Search and Rescue
- Maritime Safety
- Maritime Security
- Environmental Protection
- Natural Disaster
- HADR
- General Amplified

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Quick Report Explanation

Report Text

Report Alarm

Video Folder

Photo Marquee

Audio Folder

GPS Status

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Downloading Long Report Forms (LFR)

Step 1: Tap Settings Menu

Step 2: Select Manage Forms and Data

Step 3: Tap Get New Forms*

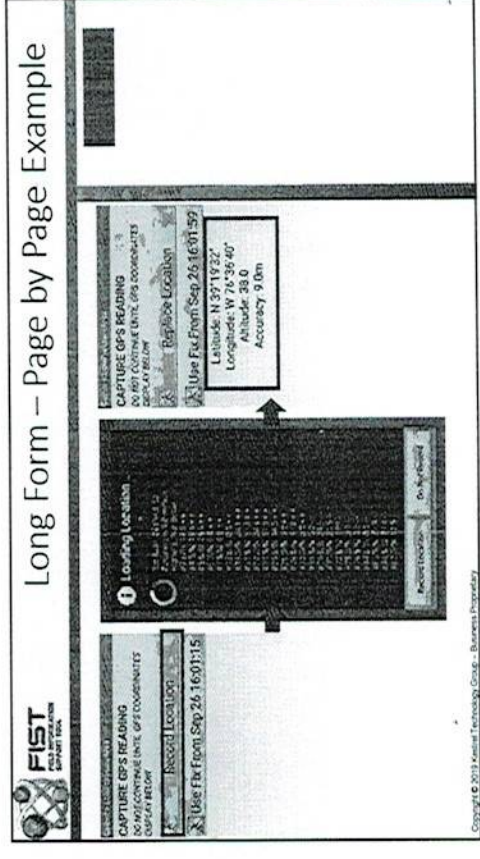
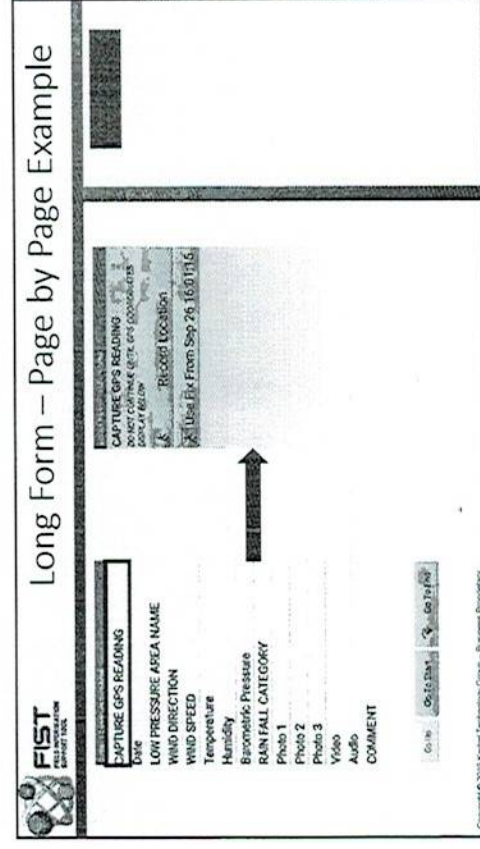
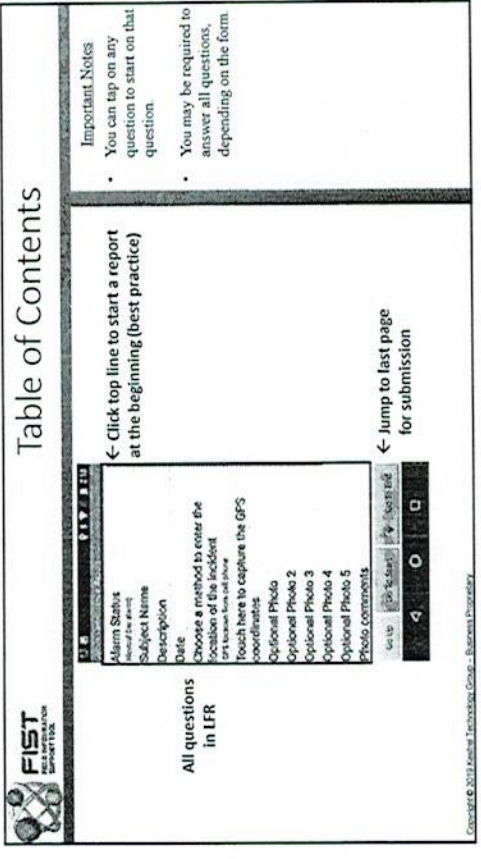
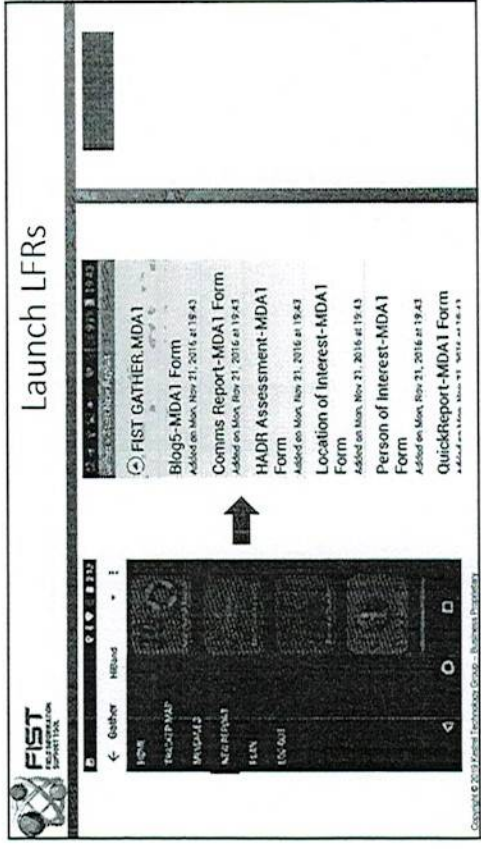
Step 4: Select desired forms and tap on "Get Selected"

Step 5: App will connect to FIST server and download new forms

Important Notes

- After forms are downloaded, tap the phone "back" button to go back to the main screen.
- You must be in Hi-Band connection mode to download forms

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FLEXIBLE INSTRUCTION TECHNOLOGY

Long Form – Page by Page Example

Photo 1
Camera & Photo (1 of 3)
Take Picture
Pick From Gallery

Photo 2
Camera & Photo (2 of 3)
Take Picture
Pick From Gallery

Photo 3
Camera & Photo (3 of 3)
Take Picture
Pick From Gallery

Video
Camera & Video (Audio)
Record Video
Choose Existing Video
Play Video

COMMENT
Add a comment here about the situation.

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FIST
FLEXIBLE INSTRUCTION TECHNOLOGY

Long Form – Page by Page Example

Audio
Camera & Audio
Record Sound
Play Sound

Submit Report

Save Incomplete Report

InReach Report

You have reached the end of LowPressureArea.

Important Notes

- Submit Report – sends report right away.
- Save Incomplete Report – saves report to complete and submit at a later time
- InReach Report – to submit the report via inReach if connected

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FIST
FLEXIBLE INSTRUCTION TECHNOLOGY

Gather Basic 1 - Questions

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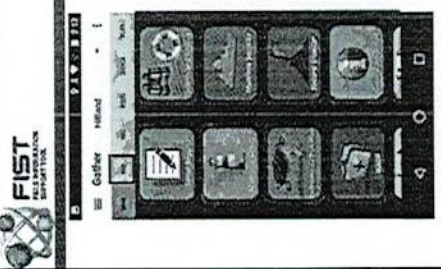
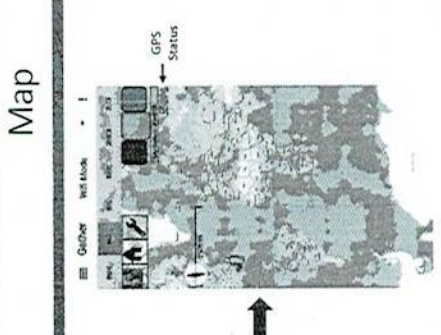


FIST
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SUPPORT TOOL

Introduction to Gather Basics B

Module 06
May 2019

Map

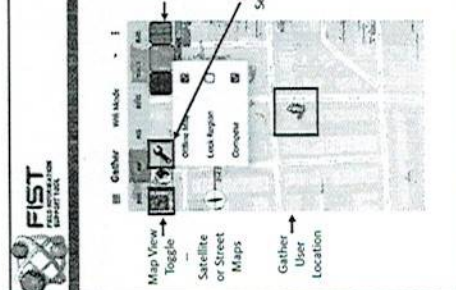
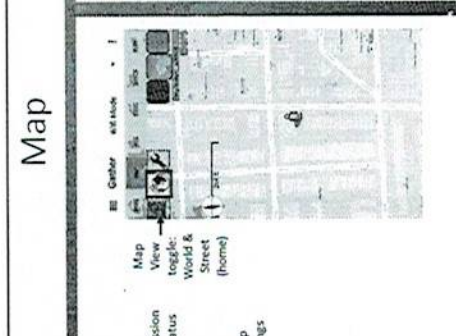



Important Notes

- Click the Map button of the Menu Slider
- Once map opens, you will see your location and a world map

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Map

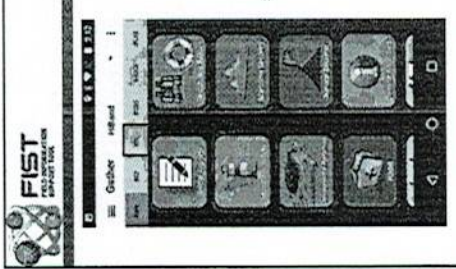
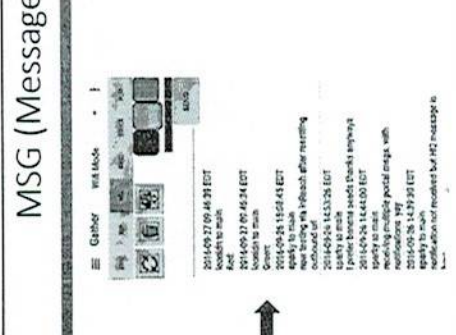



Important Notes

- Settings (wrench) Map default is offline. These maps are stored on phone.
- Note:* Online Maps should only be used with Wi-Fi or cell connection, since data is required to load map tiles.
- Mission Status color definition will be defined by CONOP

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MSG (Message)

Important Notes

- The Message screen displays messages from Fusionportal and other Gather Users

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MSG (Messages)

Important Notes

- All messages from Gather will be to their Group
- User to User is future feature
- Refresh button - checks for new messages. This overrides the refresh rate
- Trash button - deletes currently messages - only available in HiBand
- Message Re-load loads messages after delete - only available in HiBand

Message Entry Window

Message recipient: User, Group, or PLAN

Message body: ...

Message creator: ...

Message Time Stamp: 2016-09-27 09:46:34 EDT

Trash (delete)

Message Download

Mission Status

Message Time Stamp

Message recipient: User, Group, or PLAN

Message body: ...

Message creator: ...

Message Time Stamp: 2016-09-27 09:46:34 EDT

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MSG (Message)

Important Notes

- Tap the message entry window to write a message. A keyboard will open for your text entry.
- After entering a message, tap 'SEND'
- A status message appears. Connection established. Messages sent.
- Your outgoing message will be displayed in the message list.

Message Entry Window

Message recipient: User, Group, or PLAN

Message body: ...

Message creator: ...

Message Time Stamp: 2016-09-27 09:46:34 EDT

Trash (delete)

Message Download

Mission Status

Message Time Stamp

Message recipient: User, Group, or PLAN

Message body: ...

Message creator: ...

Message Time Stamp: 2016-09-27 09:46:34 EDT

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Users

Important Notes

- User Search is not available in InReach mode
- Tap 'Refresh' to execute search, or update search results
- Tap on numeric value to edit field for a different number of hours to lookback for active users

User Entry Window

User Name: ...

User's last reported location: ...

User's Mission Status: ...

Refresh Button

8 Hours

Numeric Selection for Lookback Period

Status Update

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Users

Important Notes

- A long press on a Username will take you to the Map screen with the selected user located
- All Users will be identified by icons
- A long press on User icons (from the map) will display the User name

User Entry Window

User Name: ...

User's last reported location: ...

User's Mission Status: ...

Refresh Button

8 Hours

Numeric Selection for Lookback Period

Status Update

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Search

Important Notes

- Reports Search is **only** available in HiBand

Report text / summary

Report ID# → Report Type → Report Timestamp → Report Creator → Report text / summary

Present if Report Originated from InReach → Report GPS Coordinates

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Search

Important Notes

- A short tap on report detail, triggers report summary page (as shown on right)
- A long tap transfers screen to map page to display report location

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PLAN

Important Notes

- PLAN is a mission order created on FusionPortal
- There are several types and formats to PLANS
- Check for new PLANS by tapping Refresh PLAN (also deletes closed PLANS)
- Refresh PLAN only works in HiBand
- Tap the desired PLAN to view order details

PLAN Creation / Revision Date → Users Assigned to PLAN → PLAN Mission Status

Example of PLAN Multi-media → Mission Status Update

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PLAN


Important Notes


- PLAN displays will depend on format of PLAN selected by Command
- Messages sent from inside a PLAN detail will be sent to all Users assigned that PLAN

PLAN Creation / Revision Date → Users Assigned to PLAN → PLAN Mission Order details

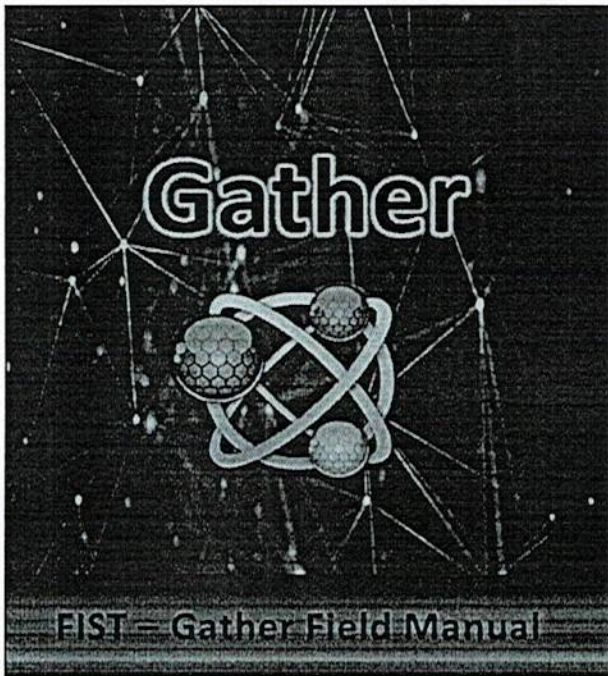
Message Input Field → Message → Send → Author → Save

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 Gather Basic 2 - Questions



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Login Gather	3
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01 Click on the Gather Application icon on mobile device

02 On first login the 'Full Login' page will open. *Confirm the first line shows the correct server URL*

03 Enter your user credentials
Username: NOT case sensitive
Password: Case sensitive
Initial Login requires Wi-Fi or cellular connection to validate the user

04 The 'short login' screen is used for all subsequent logins. Enter the password only. *No connection needed.*

IMPORTANT: 'Change User Account' opens the Full Login screen and the user will be unable to log in until a connection is available.

01 Gather Feature Menu


02 Gather Connection Mode

03 Gather Settings Menu

04 Gather Slider Menu

05 Gather Quick Report Buttons (QR)

06 Gather Long Form Reports (LFR)



01 HiBand Mode Supports:

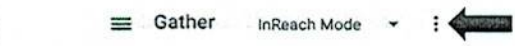
- All Gather Functionality
- Operates over Wi-Fi or Cell Data
- Requires VPN Connection

02 InReach Mode Supports

- C2 with two-way messaging
- Mission & User Status
- Field Reporting (text only, media uploads after Wi-Fi or Cell Data connection made)
- Connects over Bluetooth
- Requires InReach unit

03 LoBand Mode Supports:

- C2 with two-way messaging, Mission & User Status
- User Search
- Field Reporting with Media
- Operates over Wi-Fi or Cell Data
- VPN MUST be turned off



Tap the three dots to open the Settings Menu

Note: the settings buttons varies on older Android versions; often located bottom left

01 Check In/Out: Notify HQ of activity status (First & Last operation)

02 Operations Checklist: List of SOPs for best practice


03 Preferences: User preferences

04 Zip Logs: Create log for admin debugging

05 Update Gather: Check for a new version of Gather to download only when directed by System Administrator

06 File Transfer Status: Monitor Reports being sent

07 Manage Forms: Download and delete LFRs



01 From Gather Settings, tap Manage Forms

02 Tap 'Get New Forms' to display LFRs available to download
Newer versions download forms automatically

03 Popup will display as Gather connects to Server


04 Available LFRs will display. Select individually or tap 'Toggle All', then 'Get Selected' to download

05 Popup will display to show LFR download progress

06 Once download is complete, tap back key to get back to Home page. Start a new Report Form here.

Sent reports and attached media are listed here in a send queue

Report Status will be one of the following:



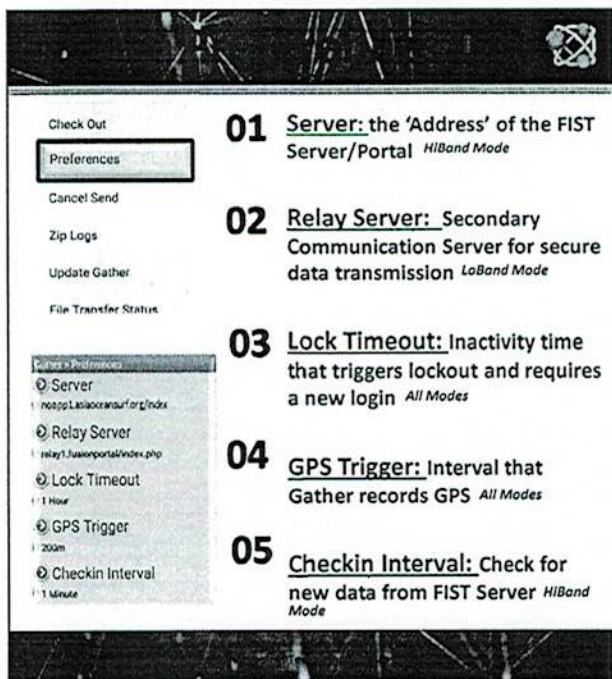
01 SEND COMPLETE when successfully uploaded to the FusionPortal

02 IN PROCESS when currently transmitting
Displays kilobytes already sent as well as remaining

03 SEND INITIATED BUT NOT CURRENTLY PROCESSING when started but connection was disrupted
Report will automatically resume when connection is reestablished

04 NOT STARTED when in the queue to be sent. The status of completed reports remains on this list for 24 hours or can be manually deleted by the user.

Reports in CANNOT be deleted from the File Transfer Status until they have sent



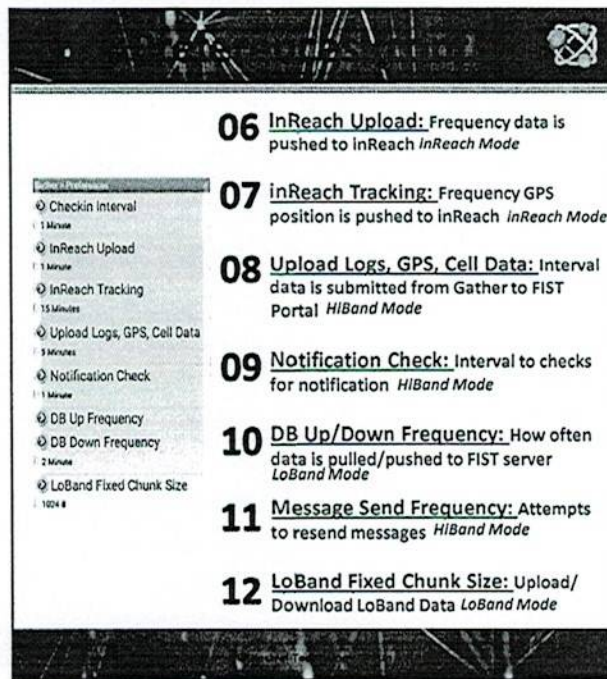
01 Server: the 'Address' of the FIST Server/Portal *HIBand Mode*

02 Relay Server: Secondary Communication Server for secure data transmission *LoBand Mode*

03 Lock Timeout: Inactivity time that triggers lockout and requires a new login *All Modes*

04 GPS Trigger: Interval that Gather records GPS *All Modes*

05 Checkin Interval: Check for new data from FIST Server *HIBand Mode*



06 InReach Upload: Frequency data is pushed to inReach *inReach Mode*

07 inReach Tracking: Frequency GPS position is pushed to inReach *inReach Mode*

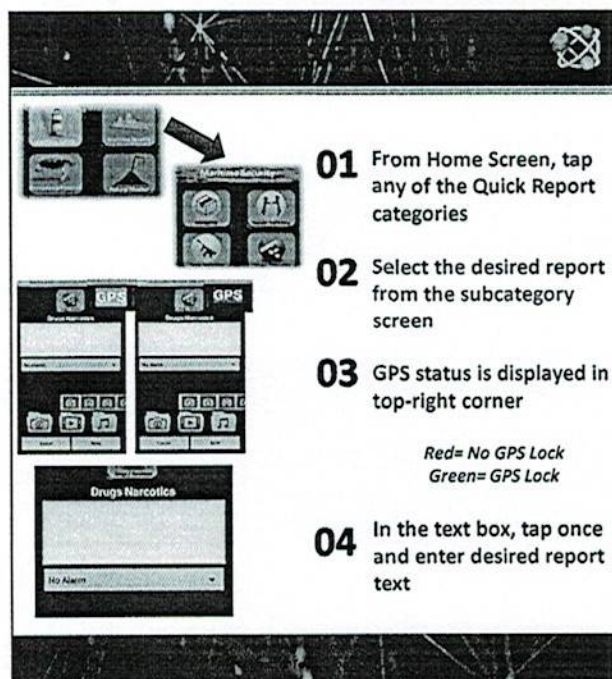
08 Upload Logs, GPS, Cell Data: Interval data is submitted from Gather to FIST Portal *HIBand Mode*

09 Notification Check: Interval to checks for notification *HIBand Mode*

10 DB Up/Down Frequency: How often data is pulled/pushed to FIST server *LoBand Mode*

11 Message Send Frequency: Attempts to resend messages *HIBand Mode*

12 LoBand Fixed Chunk Size: Upload/Download LoBand Data *LoBand Mode*

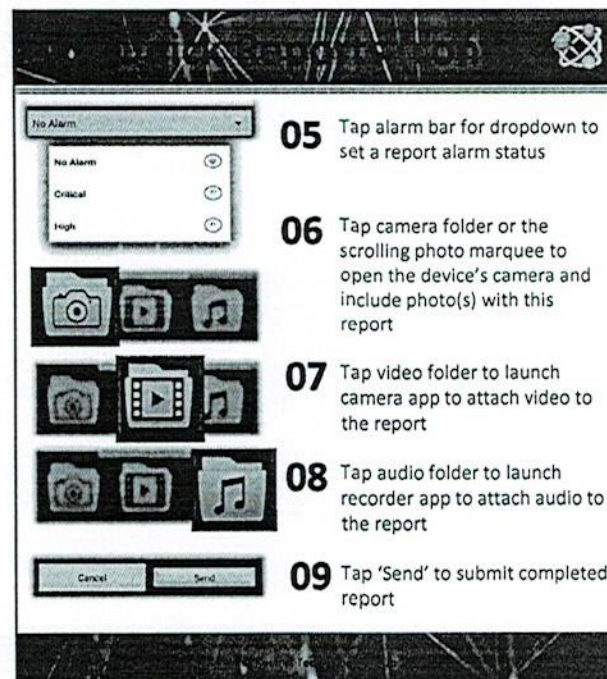


01 From Home Screen, tap any of the Quick Report categories

02 Select the desired report from the subcategory screen

03 GPS status is displayed in top-right corner
*Red= No GPS Lock
Green= GPS Lock*

04 In the text box, tap once and enter desired report text




05 Tap alarm bar for dropdown to set a report alarm status

06 Tap camera folder or the scrolling photo marquee to open the device's camera and include photo(s) with this report

07 Tap video folder to launch camera app to attach video to the report

08 Tap audio folder to launch recorder app to attach audio to the report

09 Tap 'Send' to submit completed report




01 Tap 'New Report' on the Home Screen to access Report Form folders to select and start a new LFR

02 LFRs are organized in categories

Tap any category to expand and show the list of available reports in that category

Tap the desired LFR to begin collecting data



03 The select LFR will open to title page. *Swipe to left to start.*


04 The next page of LFR is the table of contents. *Tap the top section to start at first page of LFR.*

Once a page is completed, swipe to the left to move to next page (swipe back to previous)

05 Take care when entering the report's GPS information

If phone has a GPS lock, then choose Capture GPS from Smartphone

If the GPS fails, the user can return to this screen and choose to manually enter the coordinates



07 Tap 'Record Location' to lock in GPS coordinates


User has option to use last recorded position – best when user has not moved or has GPS lock difficulty

08 Gather searches GPS until it secures an accuracy <5m

User can click 'Record Location' after an accuracy is displayed or wait for the automatic lock at 5 meters

09 After the GPS is locked, you can 'Replace Location' or swipe to proceed.

DO NOT continue past the GPS capture screen until the coordinates are displayed



10 Tap the Android back key to open the 'Go To' menu:

- **Delete Report** deletes this report and returns to Home Screen
- **Save Incomplete Report** saves the report and returns to Home Screen
- **Go to Prompt** moves user to Table of Contents
- **Do Not Exit** returns to LFR

The last page has two options:

11

- **Tap Submit Report** for immediate transmission
- **Tap Save Incomplete Report** to save report to edit/submit later

12 Tap the **Saved Reports** button on Home Screen to reopen, edit, and submit saved reports

Tap the word MAP to open all Gather Map functions

- 01 Toggle between Street Map and Satellite views
- 02 Toggle for zoom level (between home/world)
- 03 Mission Status – tap color to change. User’s current status displayed in the My Status bar
- 04 GPS lock status

Offline maps should be used in LoBand and InReach modes in settings

Tap the word MSG to open the messaging panel. Scroll on panel will be red to signal new incoming message.

- 01 Refresh message feed immediately (overrides the pre-set interval) HiBand Mode Only
- 02 Trashcan deletes the displayed messages HiBand Mode Only
- 03 Reload messages now HiBand Mode Only
- 04 Message input field. Tap 'SEND to submit'. Notification toast confirms transmission
- 05 Message time stamp
- 06 Message author followed by recipient
- 07 Message content

Tap the word USER to search for nearby Gather users in your group
HiBand and LoBand Modes

- 01 Refresh to search for Gather users in your Group within the lookback period
- 02 Search back 8 hours, or change the value here to search a different timeframe
- 03 Username
- 04 User status color
- 05 User’s last known timestamp and geocoordinates including accuracy and bearing
- 07 Tap and hold any user to visualize the user on the Map screen
- 08 Tap the user icon to show username, mission status, and last activity

Tap the word SEARCH to begin a search for reports by time or distance
HiBand Mode Only

- 01 Add Search parameters:
 - a) Select a date range
 - b) Select a distance (from user)
 - c) Hit Search
- 02 Report ID# and excerpt of report text
- 03 Search Result: Report ID# and excerpt of report text Search Result Metadata: timestamp, report type, reporter, geocoordinates, accuracy, and bearing
- 04 Search results and feedback
- 05 Tap any report in the results list to open report details
- 06 Tap and hold any report in the results list to display the report positioned on the MAP screen. The selected report is identified with a border.

HOME MAP MSG USERS SEARCH PLAN

Tap the word PLAN to begin

01 Tap Refresh to load new PLANS (HiBand Mode only)

02 List of loaded PLANS. Tap a PLAN to open PLAN details

03 Mission Status: Current status color at top; buttons at bottom to change status

04 PLAN creation date/time

05 List of users assigned to PLAN

06 PLAN body

07 Message input field and send button

01 Some mission require the extra security provided by a Virtual Private Network (VPN)

02 Gather operates the same with or without a VPN

03 The VPN may cause some latency when communication channels are thin/slow

04 These environments can also cause timeouts and failures to connect

05 The User may have to repeat the steps below to establish a VPN connection

Gather HiBand mode will not transmit/receive data without VPN

06 For ALL other Gather modes, the VPN MUST be disconnected

01 From Android Home Screen, tap the FortiClient app icon

02 Pick the VPN tunnel and then hit the Connect button

03 Enter Password and then login

04 The Status should read 'Connecting to FIST VPN'

01 After VPN connection is made, FortiClient home page will display: length of connection and IP address

02 VPN Connected status displays as a 'key' icon in Android top notification bar

03 If FortiClient gets stuck in bad stat, go to Android Settings > Applications > FortiClient and click Force Stop; then repeat steps to reconnect SonicWall

01 On InReach device: Click Settings from the main screen

02 Click Bluetooth

03 Click Enable

04 Click Enable ON

05 Click Pair inReach. InReach is now in pairing mode (discoverable)

06 InReach pairing screen displays. Now move to Smartphone

07 Go to Settings on the Smartphone. Tap Bluetooth

08 Turn Bluetooth ON

09 On Phone click Search for devices

10 Phone finds the InReach. Click the device name

11 Pairing processes begins

12 Phone connects to InReach

13 InReach device confirms pairing

14 InReach device also confirms connection

Take Note

- When 'pairing', work with the smartphone and the InReach device side by side.
- When 'pairing', it is best to create distance from or power-off other Bluetooth devices.
- Changing the name of your smartphone will also avoid confusion during pairing
- If 'Connected' still reads 'No' after step 16, launch the Gather Application and login. Check Connected again
- See Trouble Shooting page if connection issues persist
- After InReach and Gather have been successfully paired and connected, powering the InReach unit on before the Android will reduce initial connection issues

01 If devices are powered on and paired, but have no connection:

- Click Gather menu button: Reconnect InReach
- Click Gather menu button: Toggle Bluetooth off and then on.
- If these steps do not correct the connection: Leave InReach Powered on. Restart the Android device. Open Gather and check for connection.

Changing Gather mode will often trigger a refresh of Bluetooth and create a connection

02 Pairing Failed:

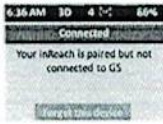
- Try again
- If it fails a second time, click Cancel
- Repeat steps 2-18

Make sure Step 9 is completed before proceeding

03 If the phone does not find InReach


- Move away from other devices and search for devices again (repeat step 11)
- Repeat Steps 5-16. Steps must be completed in order

04 If still having trouble:



- Set the Bluetooth on devices to off
- Clear any saved pairing
 - InReach: click 'Forget this device' for any device listed under Connected in the Bluetooth menu
 - Android: unpair device listed under Bluetooth menu and restart both devices
- Repeat steps 1-16

05 If issues persist, do an InReach Soft Reset:


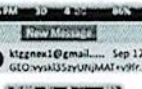
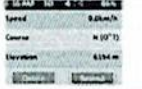


- Power off the InReach
- Press and hold down both the X button and the down arrow for 60 seconds
- Release both buttons and power the device on
- Repeat steps 1-16

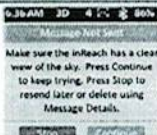
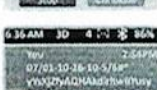

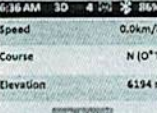
06 To reset the Explorer+ InReach device, go to Settings, select Recover Options, and then select Restore Factory Settings

Note: a low battery status on the InReach device can also cause pairing to fail, or cause an existing Bluetooth connection to drop. Try to keep the battery levels at 25% or higher





Once the InReach unit is powered, paired, and connected with Gather via Bluetooth, no further operations are necessary on the InReach unit. However, the InReach can be used as a diagnostic tool for Gather InReach message transmission.

- After sending a message from Gather, Click on InReach messages
- A spinning wheel denotes a message packet pending transmission
The ktggnex1 message box is the outbound mailbox for InReach
- A red exclamation on the ktggnex1 mailbox denotes a message transmission failure. *The message must be resent to complete Gather report.*
- To resend, click on the mailbox open the message packet with failure icon
- Arrow up once and click Resend

- When InReach fails to send a packet, a notification is displayed on the InReach device.
- The cloud icon next to a message denotes a sent packet.
If there is no icon, this is a sent packet that failed to capture GPS
- ALL message transmissions should originate from Gather. Never use the New Message button on the InReach device
Any message created here is no encrypted and will not reach the FIST FusionPortal.
- Post-deployment, the InReach history should be cleared to keep InReach functionality at the highest level. Follow the Post-Deployment checklist, making sure all message has been sent a prior to deletion.

- A signal icon on top bar means the InReach unit is attempting to gain signal
- A 2D or 3D icon represents the current signal strength. A 3D connection is the faster/stronger connection
- The Up/Down Arrow icon indicates current data transfer
- InReach Tracking should NEVER be used. These tracks will not reach the FIST portal and will incur added unnecessary.

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	Problem	Troubleshoot
01	Problems in HiBand or Loband Mode	Android Wi-Fi is connected to desired network or that cellular data is available
02	Problems in InReach Mode	Confirm that... Android Bluetooth is on and connected
03	Problems Obtaining GPS Lock	Android GPS is turned on. Consider toggling settings.
04	Problem Connecting DSLR Camera	Confirm that... NFC is turned on

If Android application problems persist, including Gather freeze, and are not resolved after a few minutes, attempt Android Settings > Applications > (select App) > tap Force Stop. If behavior persists, power down Android or pull battery