

Incident Management using SARTopo

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History: 2015

- New laptops
- SOG#3 Map Setup and Printing rewritten
 - SARTopo instead of Terrain Navigator Pro
- Small group classes on how to print a map with SARTopo



History: 2016

SARTopo Operating Guide created

- SOGs
 - #12, #12B Collection of GPS data
 - #13 Use of GPS in the field
- First 8-hour SARTopo class in October
- SARTopo used at searches / Sims
 - Rivesville, Cheat Lake Sim, Renick, White Park Sim



History: 2017

- Second 8-hour SARTopo class (without the network headaches!)
- More fully deployed at Canaan Valley
- Developing and refining best practices
- First 4-hour class:
 - Everything but drawing areas and writing tasks
 - More in depth on GPS prep and collection



Our TAF form for SARTopo assignments

FTL notes on back

Set for all TAFs:

- Safety message
- Radio freqs
- Base phone number

Generate GPS assignments faster





SOG#3: Managing an Incident using SARTopo

- Soon to be released, submitted to BOD
- Integrates:
 - SOG#3 Map Setup and Printing
 - SOG#12, and #12B Collection of GPS Tracks
 - Workflow portion of SARTopo Operating Guide

• Updated:

- Incident checklist
- Lessons learned -> Evolving best practices
- One source



Example: Old SOG#3 Content

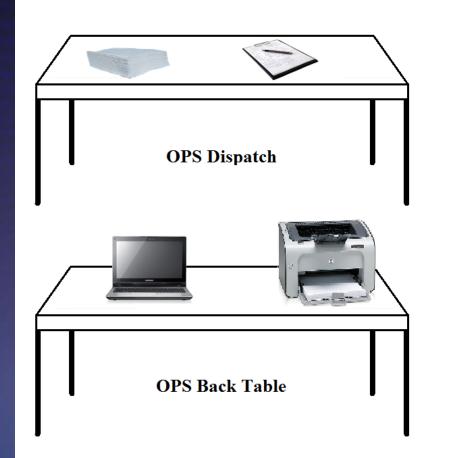
Chapter 1 Incident Checklist

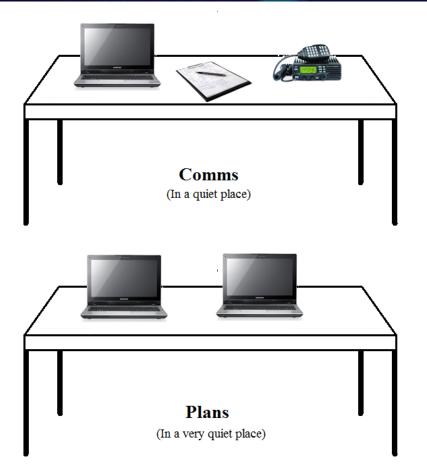
INITIAL INCIDENT RESPONSE - PLOPS	Reference
Setup initial computer	2.1
If reliable Internet is available: Connect to the Internet and start SARTopo	$\frac{2.1}{3.2}$ $\frac{3.2}{3.3}$
Otherwise: Start SARTopo offline	3.3
Create data folders for the Incident	<u>3.1</u>
Create IC, LKP, PLS or IPP marker(s) in SARTopo	3.4
Center the map on a marker	
Save the map using incident ID convention (SSYYYYMMDDA)	<u>3.5</u>
If needed, print maps with desired base layer for "paper" planning	<u>9.1</u>





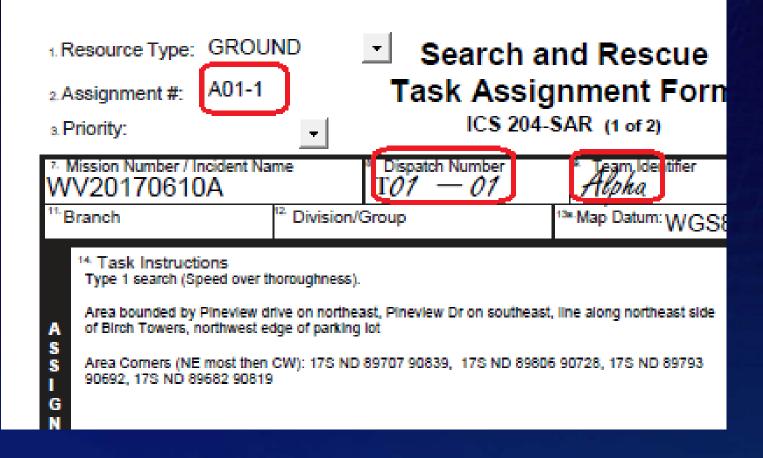
SARTopo – Large Incident







TAF Forms





Task Log

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Dispatch #	Assignmt #	Team Identifier	Type of Team	# of Persons	Task		Time Out	Time In	Total Hours
01	A01-1	Alpha	K9	3	Segment A01		15:44		
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Task Numbers

Assignment Number

- Every task has one
- Does not imply order
- Tasks written by Operations
 - OPS001, OPS002, etc
- Tasks written by Plans
 - A01-1, A01-2 <- tasks that search segment A01
 - PLN001 <- any others written by Plans

Dispatch Number

- Every executed task has one
- Assigned in order dispatched
- To1-03 <- Third task dispatched in first Op Period



TAF Paper Copies

• Ops Back Table prints 1 copy, 2 sided

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Front

Back: FTL Info / Notes



TAF Paper Copies

- FTL is briefed and gathers team names
- Front is copied, placed in "In Progress" folder
- Team gets the 2-sided copy
- At debrief, form pulled from a stack of blank forms
- Debrief form stapled to base copy of TAF front
- Debrief map printed after GPS tracks and clues are loaded to SARTopo, stapled to TAF and debrief



Inputs:

- Export file from SARTopo
- Fillable-PDF TAF file
- Configure file:
 - Map SARTopo fields to PDF Fillable Fields
 - Text for safety message, radio freqs, etc

Output

- Filled, but editable TAF PDFs
- GPX files, one for each assignment



7 € Task Prep	_		×
Input: SARTopo Backup GPX File			
C:/IncidentData/WV20160503A/Assignments/WV20160	503A.gpx	Brov	vse
Output: Assignment Folder			
C:/IncidentData/WV20160503A/Assignments/		Brov	vse
Fillable TAF PDF #1			
C:/IncidentData/Forms/MARG/MARG_TAF_for_SARTop	oo.pdf	Brov	vse
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Fillable TAF PDF #2 (Optional)			
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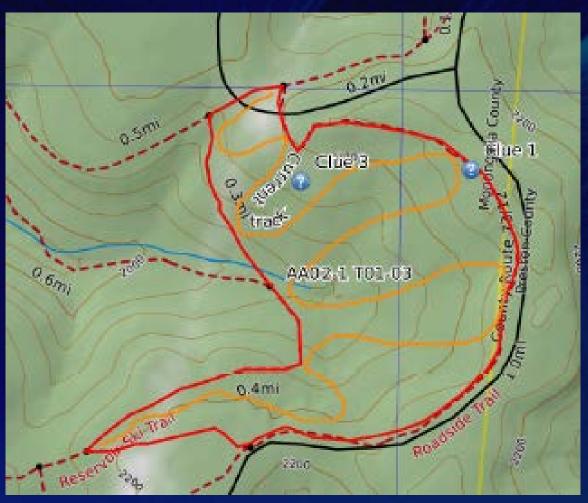
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Del	freq_command	Echo
Del	freq_tactical	FRS1
Del	incident_id	WV20160503A
Del	incident_name	Smith
Del	mag_declin	-9
Del	map_coord	USNG
Del	map_datum	WGS84
Del	safety_message	Beware of Lions, and Tigers, and Bears, Oh My
	Add:	



7€ Select Assignments								
Operational Period	Assignment	Resource Type	Status					
□ 01	☐ A01-1 T01-2	GROUND	INPROGRESS					
☐ PT1 - Planning	☐ A02-1	GROUND	DRAFT					
	☐ A03-1	GROUND	DRAFT					
▼ PT3 - Printing	✓ A05-1	GROUND	PREPARED					
	▼ A07-1	GROUND	PREPARED					
☐ PT4 - To Be Assigned	☐ PLN001	GROUND	PREPARED					
✓ Gene	rate TAF 1							
☐ Gene	rate TAF 2	ncel Gene	erate					
✓ Gene	rate GPX							



Debrief Map





Segment Map



Clue Map





Task Progress Map Projector?







SARTopo Classes

8 Hour Class

- 'SARTopo Operations'
- For all base staff
- Class limit is 15
- Work in teams of 5
 - Experience SARTopo as a collaborative platform
- Covers full cycle of Incident
- Draw lines and polygons
- Write assignments
- Not hands on with GPS
- Online version coming



SARTopo Classes

4 Hour Class

- 'SARTopo Ops Specialist'
- For Ops Back Table, and Comms
- Class limit is 5
- Work individually
- Does not cover planning function
- No drawing or writing of assignments
- Hands on with GPS