

GROUND SEARCH MASTER TASK LISTING											
		TASK	Mission Coordinator	Air Operations Director	Ground Operations Director	Public Affairs Officer	Flight Line Officer	Comm Unit Director	Radio Operator	Ground Team Leader	Ground Team Member
		(a) Mission Management									
G	1	Mission opening and initialization	X	X	X	X		X			
G	2	Search base setup and operations	X	X	X	X	X	X		X	
G	3	Functions and responsibilities of mission staff	X								
G	4	Media and family relations	X								
G	5	Communications procedures and requirements	X								
G	6	Administrative procedures and requirements	X								
G	7	Planning and organizing mission operations	X	X	X	X		X			
G	8	Air search procedures and operations	X	X							
G	9	Ground search procedures and operations	X		X						
G	10	Safety considerations	X	X	X	X		X		X	X
G	11	Logistics requirements and considerations	X	X	X	X	X	X		X	
G	12	Fatigue effects	X	X	X	X	X	X		X	X
G	13	Reporting procedures and requirements	X	X	X	X		X		X	X
G	14	Gathering and using information	X	X	X	X				X	X
G	15	Coordination with other agencies	X	X	X	X		X		X	
G	16	Mission closing and/or suspension	X	X	X	X					
G	17	Assistance to law enforcement	X	X	X	X				X	X
G	18	Information management	X	X	X	X		X		X	X
G	19	Evaluation of search team results and effectiveness	X	X	X	X				X	
G	20	Continuation planning	X	X	X	X		X			
G	21	Interagency cooperation and coordination	X	X	X	X		X		X	
G	22	Team Leader Responsibilities								X	X
G	23	Planning and organizing ground team operations								X	
G	23a	Emergency Services Qualifications								X	
G	23b	Levels of Advancement								X	
G	23c	Fitness								X	
G	23d	Field Team Control								X	
G	23e	Lesson Plans								X	
G	23f	Drill and Ceremonies								X	
G	24	Personal Equipment requirements and considerations									X
G	24a	Packing a knapsack									X
G	24b	Mission Preparedness									X
G	24c	Equipment needs									X
G	25	Setup of equipment, antennas, etc.						X			
G	26	Radio operating procedures						X			
G		(b) Search coverage and Effectiveness									
G	27	Search probability of detection	X	X	X					X	X
G	28	Search effectiveness	X	X	X					X	X
G		(c) Weather									
G	29	Satellite weather data	X	X	X						
G	30	Surface observations	X	X	X						
G	31	Analysis of weather information	X	X	X						
G	32	Effect on mission operations	X	X	X						
G	33	Safety Considerations	X	X	X						
G		(d) Reimbursement procedures									
G	34	Requesting reimbursement of mission expenses	X	X	X	X	X	X	X	X	X
G		(e) OPLAN 1000, SCATANA, SARDA Operations									
G	35	Concept of operations	X	X	X	X		X			
G	36	Reporting requirements and procedures	X	X	X	X		X			
G	37	Flight clearance and procedures	X	X		X					
G		(f) State/Local Agreements									
G	38	Knowledge of appropriate state and local agreements	X	X	X	X				X	
G		(g) FAA Regulations									
G	39	Pertinent FARs and relationship to mission operations	X	X	X						
G		(h) Safety									
G	40	Aspects of safety considerations and importance	X	X	X	X	X	X	X	X	X
G		(i) Mission Coordinator's Log									
G	41	Contents	X								
G	42	Importance of complete notes	X								
G	43	Log of mission strategy	X								
G		(j) Counterdrug procedures									
G	44	Coordination with other agencies	X								
G	45	Reporting procedures	X								
G	46	Mission security	X								
G	47	Limitations on CAP activities	X								
G	48	Appropriate forms	X								
G	49	Reimbursement procedures	X								
G		(k) Interagency Agreements and Operations									
G	50	Knowledge of all appropriate interagency agreements	X	X	X	X		X		X	
G		(l) Bloodborne Pathogens									
G	51	Knowledge of Bloodborne Pathogens			X					X	X
G	52	Protection from bloodborne pathogens			X					X	X
G		(m) Ground Search Techniques and Procedures									
G	53	Interviewing techniques and evaluation of information								X	X
G	54	Missing person search procedures								X	X
G	55	Coordination with dog teams								X	X
G	56	Search patterns and procedures								X	X
G	57	State/Local Laws								X	X
G	57a	Legal Aspects								X	X
G	58	Personnel safety considerations								X	X

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G 59	Coordination with aircrews with radio								X	X
G 60	Coordination with aircrews without radios								X	X
G 61	Electronic search techniques (use of DF)								X	X
G 62	Visual search techniques								X	X
G 63	Use of safety and survival equipment/techniques								X	X
G 63a	Survival								X	X
G 63b	Navigation without a compass								X	X
G 63c	Signals								X	X
G 63d	Shelter Construction								X	X
G 63e	Water								X	X
G 63f	Survival in cold climates								X	X
G 64	Map reading, CAP grid system, and use of compass								X	X
G 64a	Map reading								X	X
G 64b	Plotting coordinates								X	X
G 64c	Use of a magnetic compass								X	X
G 64d	Lensatic Compass								X	X
G 64e	Navigation lines								X	X
G 64f	Night Navigation								X	X
G 64g	Navigation squads								X	X
G 64h	Pilotage								X	X
G 64i	Dead reckoning								X	X
G 64j	Verification of position								X	X
G 64k	Sources of navigational error								X	X
G	(n) Ground Rescue Techniques and Procedures									
G 65	Use of ground rescue equipment and rescue techniques								X	X
G 65a	Individual Skills								X	X
G 65b	Intro to Land Search and Rescue								X	X
G 65c	Campsite selection								X	X
G 65d	Bedding								X	X
G 65e	Health and Sanitation								X	X
G 65f	Field sanitation								X	X
G 65g	Garbage disposal								X	X
G 65h	Knots								X	X
G 65i	Fire-making								X	X
G 65j	Woodsman								X	X
G 65k	Communications								X	X
G 65l	Lines of communication								X	X
G 65m	Firearms Familiarization								X	X
G 66	First aid and emergency treatment								X	X
G 66a	Personal First Aid								X	X
G 66b	Hyperventilation								X	X
G 66c	Heat stroke								X	X
G 66d	Heat exhaustion								X	X
G 66e	Frostbite								X	X
G 66f	Immunization								X	X
G 67	State/local laws								X	X
G 68	Personnel safety considerations								X	X
G 69	Evacuation and transport victims								X	X
G	(o) Media Relations									
G 70	Understanding of CAPM190-1				X					
G 71	Methods in dealing with the media				X					
G	(p) Flight Line Operations									
G 72	Fueling procedures					X				
G 73	Hazards associated with aircraft ground operations					X				
G 74	Planning and organizing flight line operations					X				
G 75	Basic aircraft firefighting, particularly engine starting fires					X				
G 76	Management of spilled flammable liquids					X				
G 77	Procedures for monitoring aircraft starting and taxiing					X				
G	(q) Flight line Hand Signals									
G 78	Proficiency in flight line hand signals					X				
G	(r) Wing/Region Communicatio Plans and Procedures									
G 79	Knowledge of plans and procedures						X	X		
G	(s) FCC Regulations									
G 80	Understand FCC Regulations						X	X		
G	(t) Radio Communications Procedures									
G 81	Radio Operating procedures							X	X	
G 82	Safety Considerations							X	X	
G 83	Reporting procedures and requirements							X	X	
G 84	Message handling procedures							X	X	
G 85	Use of radio equipment							X	X	

Minimum Crew Standards for Mobilization					
Civil Air Patrol Ground Search Teams					
29-Apr-03		Version 1.0			
Minimum Standards	Type 1	Type 2	Type 3	Type 4	UDF
Transportation Availability	2 ea. CAP 4wd	2 ea. CAP vans	1ea. CAP or POV	1ea. CAP or POV	1ea. CAP or POV
Minimum Crew Size	8	8	6	4	2
Leadership Qualifications					
Experience	80% 10 missions or more	70% 10 missions or more	60% 10 missions or more	50% 10 missions or more	50% 5 missions or more
Unit Organized Crew	Yes	Yes	Yes	No	No
Communication	VHF/FM, VHF/AM, HF/SSB, HT or ISR for all team members	VHF/FM, VHF/AM, HT or ISR for all team members	VHF/FM, HT or ISR for all team members	VHF/FM, HT or ISR for all team members	VHF/FM
Training	80 hours annual training	40 Hours annual training	30 Hours annual training	24 Hours annual training	4 Hours annual training
Fitness	Arduous - Capable of 5 mile hike	Arduous - Capable of 5 mile hike	Arduous - Capable of 5 mile hike	Capable of 2 mile hike	No fitness requirement
Logistics	Self Sufficient for 72 hours	Self Sufficient for 48 hours	Self Sufficient for 24 hours	Self Sufficient for 12 hours	Self Sufficient for 6 hours
Dispatch Availability	1 Hour response	2 Hour Response	2 Hour Response	Variable	1 Hour Response
Tools & Equipment	Fully equipped for DF & Ground SAR and 3 night stay in wilderness	Fully equipped for DF & Ground SAR and 2 night stay in wilderness	Partially equipped for DF & Ground SAR and 1 night stay at Mission Base	Partially equipped for DF & Ground SAR and will not remain overnight at Mission Base	Equipped for Urban Direction Finding Only
Personal Gear					
PPE					
Medical Level	1 ea. EMT or First Responder	1 ea. Advanced First Aid	1 ea. Standard First Aid	1 ea. Standard First Aid	Not Required

This was copied from the email which contained the referenced checklist (matrix). The email is no longer around but based on the dates on the checklist, it was late April or early May, 2003.

I have attached a checklist of the tasks and have already sent it for feedback from the field.

Just thought I would ask if anyone in the working group wanted to add their .02 to the mix.

I asked the others to recall what skills they have actually used in the last ten years on actual missions. Not training, or weekend activities. What did it take to accomplish the mission? Now where do you think it should fit in three levels of training?

G-1 (UDF level)

G-2

G-3 (most skilled)

GTL (you could be a G-1 with GTL endorsement)

Also what items should be recurring Annual Training items?

Fill in the boxes and send it back.

Thank You

Sender's Name Redacted

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Tasks as proposed to the ESCWG on 17 May 2003

UDF Electronic Search in the Urban Setting

G-3 GT Basic Capable of at least one operational period

G-2 GT Standard Capable of at least two operational periods

G-1 GT Advanced Capable of at least four operational periods

GTL Leadership and Management

	<u>Ground Operations Tasks</u>		<u>Core</u>	<u>UDF</u>	<u>Core</u>	<u>G-3</u>	<u>Core</u>	<u>G-2</u>	<u>Core</u>	<u>G-1</u>	<u>Core</u>	<u>GTL</u>	
1.00	Individual & Team Equipment Tasks			<u>UDF</u>		<u>G-3</u>		<u>G-2</u>		<u>G-1</u>		<u>GTL</u>	
1.10	O-0001 Prepare Individual Equipment				X		X		X		X		
1.20	O-0002 Conduct Individual Refit				X		X		X		X		
1.30	O-0005 INSPECT TEAM MEMBERS										X		
1.40	O-0006 INSPECT TEAM EQUIPMENT										X		
1.50	O-0007 DIRECT TEAM REFIT AFTER SORTIE										X		
2.00	Health and Safety Tasks			<u>UDF</u>		<u>G-3</u>		<u>G-2</u>		<u>G-1</u>		<u>GTL</u>	
2.01	O-0003 Prevent and Treat Hot Weather Injuries				X		X		X		X		
2.02	O-0004 Prevent and Treat Cold Weather Injuries				X		X		X		X		
2.03	O-0101 Identify Natural Hazards				X		X		X		X		
2.04	O-0102 Prevent and Treat Fatigue				X		X		X		X		
2.05	O-0103 Conduct Field Sanitation and Hygiene				X		X		X		X		
2.06	O-0104 Set up Shelter						X		X		X		
2.07	O-0501 Tie Knots												
2.08	O-0502 Participate in Litter Carry												
2.09	O-0503 PREPARE PATIENT FOR LITTER CARRY												
2.10	O-0601 Conduct actions if Lost				X		X		X		X		
2.11	O-0602 Locate a Natural Water Source												
2.12	O-0603 Prepare a Natural Shelter												
2.13	O-0604 Build a Fire												
2.14	O-0605 Extinguish a small Fire								X		X		
2.15	O-0902 Exercise Universal Precautions				X		X		X		X		
2.16	O-0903 USE A BLOODBORNE PATHOGENS PROTECTIVE SUIT												
2.17	O-xxxx First Responder or Higher												
2.18	O-xxxx Standard First Aid								X		X		
2.19	O-xxxx CPR												
3.00	Electronic Search Tasks			<u>UDF</u>		<u>G-3</u>		<u>G-2</u>		<u>G-1</u>		<u>GTL</u>	
3.01	O-0301 Determine Distress Beacon Bearing		X				X		X		X		
3.02	O-0302 Locate a Distress Beacon		X				X		X		X		
3.03	O-0303 DEACTIVATE A DISTRESS BEACON		X				X		X		X		
3.04	O-0304 TRIANGULATE ON A DISTRESS BEACON SIGNAL		X				X		X		X		

4.00	Map Reading Tasks			<u>UDF</u>		<u>G-3</u>		<u>G-2</u>		<u>G-1</u>		<u>GTL</u>	
4.01	O-0204 LOCATE A POINT ON A MAP USING LATITUDE AND LONGITUDE		X				X		X		X		
4.02	O-0205 LOCATE A POINT ON A MAP USING THE CAP GRID SYSTEM						X		X		X		
4.03	O-0206 LOCATE A POINT ON A MAP USING A GRID COORDINATE OVERLAY												
4.04	O-0207 LOCATE A POINT ON A MAP USING A POLAR PLOT FROM A TERRAIN FEATURE												
4.05	O-0209 IDENTIFY THE MAJOR TERRAIN FEATURES ON A MAP						X		X		X		
4.06	O-0210 IDENTIFY TOPOGRAPHIC SYMBOLS ON A MAP						X		X		X		
4.07	O-0211 DETERMINE ELEVATION ON MAP						X		X		X		
4.08	O-0212 MEASURE DISTANCE ON A MAP						X		X		X		
4.09	O-0213 CONVERT BETWEEN MAP AND COMPASS AZIMUTHS						X		X		X		
4.10	O-0214 DETERMINE AND PLOT AN AZIMUTH ON A MAP						X		X		X		
4.11	O-0215 DETERMINE AZIMUTHS ON A MAP USING TWO POINTS						X		X		X		
4.12	O-0216 ORIENT A MAP TO THE GROUND USING TERRAIN ASSOCIATION						X		X		X		
4.13	O-0217 ORIENT A MAP TO NORTH USING A COMPASS						X		X		X		
4.14	O-0218 LOCATE OWN POSITION ON A MAP USING TERRAIN ASSOCIATION						X		X		X		
4.15	O-0219 MOVE TO A POINT USING LINEAR OFFSET												
4.16	O-0220 MOVE FROM POINT TO POINT IN A VEHICLE USING A MAP						X		X		X		
5.00	Land Navigation Tasks			<u>UDF</u>		<u>G-3</u>		<u>G-2</u>		<u>G-1</u>		<u>GTL</u>	
5.01	O-0201 Use a Compass						X		X		X		
5.02	O-0202 Measure Distance with Pace Count						X		X		X		
5.03	O-0203 Navigate past an Obstacle						X		X		X		

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