

SHREK Kit Equipment List

April, 2025

Item	Manufacturer	Model	Serial Number	Description	Quantity	Notes
1	ICOM	ID-880H	(kit dependent)	D-Star Dual Band Radio w/microphone, mic cable and radio DC power cable w/Anderson Power Poles	1 ea	
2	ICOM	NA	na	User/Op. Manual for ID-880H Radio	1	
3	TBD (multiple sources)	Cat 6 cable	na	Cat6 Ethernet Patch Cable - 3 ft (use as temp. microphone cable)	1	
4	Astron	RS-20A	(kit dependent)	DC Power Supply with AC power cord	1	
5	Astron	DC Power Cable		DC Power Cable – Power supply connectors to Anderson Power Poles	1	
6	TBD (multiple sources)	7 Amp	na	14 Amp Glass Fuse for DC Power Supply	1	
7	TBD (Sony/MFJ primary)	Misc		Audio Headset – no mic	1	
8	Utilitech	101246		Multioutlet AC Power Strip w/switch	1	
9	TBD (multiple sources)	NA		25 feet – 16 GA/13 Amp Max - Extension Cord (Note: Ft. McCoy shelter requires 100 ft extension cord)	1	
10	TBD (multiple sources)	SO-239		2-inch Female Barrel Connector	4	
11	Cable Experts	RG-58		6 feet Coaxial Jumper w/PL-259	1	
12	Cable Experts	RG-58		25 feet Coaxial Jumper w/PL-259	1	
13	TBD (multiple sources)	SO-239 to BNC Male		Coaxial Adapter Connector – SO-239 to Male BNC for Roll Up Antenna use	1	
14	TBD (multiple sources)	SMA Female to BNC Female		Coaxial Adapter Connector – SMA Female to BNC Female for HT Antenna	1	
15	TBD (multiple sources)	TBD		Pocket Type Roll Up Antenna – 2 Meter	1	
16	RT Systems	USB-RTS05		ID-880 H Programming Cable – Orange	1	
17	Vellman	DVM850BL		DVM Multimeter w/ 1 – 9 VDC battery	1	Replace battery yrly
18	Leatherman	Wingman		Multipurpose Tool	1	

ALL equipment detailed in this Equipment List is the property of the Marion County Sheriff's Office Division of Emergency Management.

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Required additional equipment for SHREK Kit assignment to Shelter Operators includes:

1	SHELTER RESOURCE MANUAL	NA	Each manual has ID number on front cover	Manual provides information, reference materials and forms necessary for all Shelter Operators	1	Stored in MERT Radio Room Library
2	Duracell	Gell Type Battery	Each battery has ID number	12 volt – 35 Ampere Hour w/DC cable having Anderson Power Pole connectors	1	Stored in MERT warehouse

Note: 12 Volt DC batteries are maintained at full capacity by an automatic battery charging system. Monthly inspections confirming proper operation are required.

IMPORTANT Note: All batteries being returned after Shelter Operations are to be reconnected to the automatic charging system.

3	Baofeng	BF-F8HP	Each radio has S/N and MERT ID number	Handi-Talkie Portable radio (2M/70cm - dual-band capable)	1	Stored in MERT Radio room
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Note 1: HT radios have been programmed to the current MERT ICS-205A channel plan similar to the **ICOM ID-880H** dual-band mobile radio in each SHREK Kit. As a result, NOT ALL VOICE CHANNELS WILL BE OPERATIONAL resulting from the unit **not being D-STAR capable**. Detailed training is required for proper operation.

Note 2: These portable radios require quarterly operation and charging to maintain the Ni-cad battery for maximum operating life.



Suggested additional equipment for successful Shelter deployments include:

1	Personal Go Bag	NA	NA	See KG4NXO.com “MERT Shelter Reference” section for recommended materials and equipment each Shelter Operator should take with them	1 Lot	Personal property
2	Personal Handi-Talkie (Portable radio)	NA	NA	Shelter Operators may want to include their personal HT as some may have D-Star capabilities, Packet messaging or for general operational familiarity	1	Personal property