



Marion County Emergency Radio Team

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.

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
---	----------------	----------------	---------------------------------------	---	---	---------------------------

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