Marion County Emergency Radio Team TRAINING SKILL BOOK and New Member Orientation Guide		
<u>Skil</u>	I Book Assigned To:	
Name:	Call:	
MERT Member Since:	Position/Assignment:	
Email:	Phone Number:	
Sk	<u>kill Book Initiated By:</u>	
MERT Leader:	Date:	
Position:	License:	
Phone Number:	Email:	
, ,	o Team (MERT) is a Volunteer organization created, arion County Sheriff's Office (MCSO) Division of	
	anagement Volunteer Programs along with an Application o.com/emergency-management-volunteering	
•	esponsibilities and the materials herein are to be directed to stant Coordinator at: <u>KG4NXO@marionso.com</u> .	
This document is the property	of the MCSO Division of Emergency Management.	

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As MERT is a unique Amateur Radio Volunteer organization, this document enables new and existing MERT Members to track and document each learned Skill as they are completed towards increasing levels of proficiency. The document is intended to contain orientation and training plan verifications (copies of License, ICS Certificates, Acknowledgements, Awards and Training Events, etc.) including completion dates and sign-offs as the MERT Member transitions through each level. The <u>MERT</u> <u>Member is responsible</u> for maintaining their personal plan and having it with them during training and other assignments. The Skill Book also contains an explanation of each Skill Level, Responsibilities, detailed step-by-step progress sections along with definitions of the Skill level. A MERT Glossary is also provided.

MERT Leaders may add, change or modify the Task Book in meeting the requirements established by the Marion County Sheriff's Office Division of Emergency Management upon Approval of the Director. Previous experiences may also be substituted for review/approval of some listed tasks when appropriate. <u>Note</u>: Members are invited to complete Skills in any Level as individual interests or learning opportunities arise.

The Goal is to have fun, enjoy the learning experience and grow confident in your increasing skills!

Skill Levels:

- Level 1 Entry level into the MERT organization by developing basic skills by completing the New Member Orientation objectives, completion of ICS courses and other basic knowledge.
- Level 2 Validated base level set of skills desired for all MERT Members on radios and systems used.
- Level 3 Demonstrated advanced knowledge and skills for candidacy to MERT Senior and Leadership positions in support of the MERT organization.
- **Deployment Qualified** Highest level of validated skills When asked and accepted, may be assigned To deploy up to 2 weeks on various local/distant assignments upon approval.

Individual Responsibilities:

Individual *Reviewing and understanding skill book requirements

- Identifying desired objectives and goals
- Satisfactorily demonstrate completion of tasks for Orientation and full Membership level
- Personally assure the evaluations are completed
- Maintain and keep the Training Skill Book up to date
- Make the Training Skill Book available during assignments
- Responsible for submitting completed Training Skill Book to Leadership for review

MERT Leader *Be knowledgeable and proficient in the tasks being evaluated and approved

- Meet with Member and evaluate past experiences, current qualifications and desired objectives/goals
- Review the objectives of each MERT Member in helping them increase personal skills
- Documenting completion of tasks with Training Skill Book sign off's
- Completing the sign off, provide relevant supporting comments and support to Member.

Administration Manager *Responsible for maintaining database for MERT participants in Training Plan

NOTE: The *approved Leader/Member* shall meet/exceed the qualifications for each Skill signed off and be documented on page 16, <u>Authorized Approvers</u> detailing specific individual skills.

Skill Level 1

New Member Entry Level into the MERT organization.

Level 1 includes individuals with or without FCC Licenses and Amateur Radio knowledge.

All persons are encouraged to complete the <u>Introductory Basic Orientation</u> detailed in the Training Task Book followed by courses/classes on Education, Proficiency and Skill.

Core Objectives include obtaining an Amateur Radio license, completion of the four required ICS courses, learning basic MERT activities and the functions required in support of the Marion County Sheriff's Office Division of Emergency Management.

NAME: _____CALL: ____LICENSE CLASS: _____

DATE: ______

SKILL LEVEL 1 WELCOME TO	MERT!		
TASK	Req/Opt	COMPLETION DATE	MERT Sign Off
Security			
Secure MERT ID Badge, Photo Taken and Log In/Out Duties	R		
Apply and Secure 2 nd Level Security Background ID from MCSO	R		
Education			
Meet MERT Administrators & receive Training Task Book binder	R		
Meet EM Staff & Tour EOC Facility & Learn Security Guidelines	R		
Receive, Review and Discuss MERT By-Laws and Standards of Operation including Dress Code	R		
Receive MERT Roster and Review Reporting Hours Guidelines to include MERTrak.com reporting system	R		
Receive and Review Weekly MERT/CERT Net Schedules	R		
Review and Understand MERT website KG4NXO.com	R		
Learn the Role & Responsibility of MERT Shelter Staffing *Activation Process *Review in detail Shelter Operator Manual *Shelters Names and Locations *Shelter Procedures	R		
Visit School Shelter site - Identify MERT setup location	R		
Learn about SHREK Kits, Setup, Basic Op's & Battery Use	R		
Learn the MERT Radio room functional design: * Radio Types & Positions * Supporting Antennas *Lightning & Power Protection *Procedures removing Antenna Cables * Fire System and Mandatory - NO SOLDERING RULE	R		
ICS Forms: * Where to Find * Importance and Purpose of Each Type * Completion & Submission Requirements	R		
Complete the following FEMA/NIMS Online Classes	[]		I
IS-100 - Introduction to Incident Command System*	R		
IS-200 - Basic Incident Command System for initial Response*	R		
IS-700 - Introduction to National Incident Management System*	R		
IS-800 - National Response Framework, An Introduction*	R		
MERT - Visit Repeater Sites, review the equipment and connection diagrams and sign in/out of the FCC Log Books.	R		
Learn the interoperability goals, objectives and procedures working with other Marion County Emergency Communications (EMCOMM) organizations * ARES * HEC *CERT	R		
Register, Learn and Use WINLINK Global Radio Email system (*Types - Telnet, Packet, Pactor, ARDOP, VARA FM, VARA HF)	R		
Proficiency/Skill			
Obtain FCC Amateur Radio License – Technician Level	R		
Deployment to a School Shelter during an official Activation	0		
Participate in MERT/CERT Weekly Nets and WINLINK Challenge	0		
Participate in CPR - Stop the Bleed Class	0		

NAME:	CALL:	LICENSE CLASS:
		DATE:
Level 1 Completion Record		
initialed indicate successful comple		-

Skill Level 2

This validated Expertise Skill Level is desired by all Members in supporting Emergency Operations in Shelters and at the Emergency Operations Center during a declared <u>Activation</u>.

Level 2 proficiency includes individuals with at least a Technician or General Level FCC License and completion of all FEMA/NIMS ICS Online Courses.

Core Objectives include the setup, operation and troubleshooting capability of major radio systems used at the Emergency Shelters and Emergency Operations Center.

NAME: ______CALL: _____ LICENSE CLASS: _____

DATE: _____

Skill Level 2				
TACK	Deci/Oct	COMPLETION	MERT	
TASK	TASK Req/Opt		Sign Off	
Security				
Review EOC Security Guidelines	R			
Education		·		
FCC Rules: Learn what a repeater "Trustee" is, why they are important to MERT including what they are responsible for.	R			
FCC Rules: Learn what a "Exposure Analysis" is and why it is important for Amateur Radio Operators.	R			
Learn what SHARES is and why it is important to MCSO & MERT	R			
Participation				
Participate in weekly MERT NETS (D-Star or CERT/MERT)	R			
Participate and perform MERT NCO for SARNET Weekly NET	R			
Participate and perform MERT NCO for NFL ARES HF NET	R			
Simulated Emergency Test participation and/or FDEM Monthly Exercise participation	R			
Become a MERT NET Control Operator	0			
Become a Trustee	0			
Become an appointed MERT Manager	0			
Simulated Emergency Test or Exercise Participation (MERT 20, joint ARES/HEC) (Annually)	R			
Comment:				
Proficiency/Skill		1	1	
Show how to program IC-880 Mobile radio (Manually or via computer programming via RT Systems, CHIRP, etc.)	R			
Write and send an ICS-213 Winlink message via Telnet and Packet	R			
Receive a Peer-to-Peer Winlink message	R			
Build a simple dipole antenna	0			
Build Anderson Powerpole DC adapter connection	R			
Correctly prepare and solder a PL259 connector to coax	R			
Perform SHREK Kit Audit verifying all equipment is available	R			
Use SHREK Kit and battery to activate a temporary "station" to send/receive voice communications calls with the EOC which includes a WINLINK Packet transmission	R			
Comment:				
Proficiency/Skill		I	I	
Obtain Amateur Radio License – General Class Level	0			
Deployment to a School Shelter during an official Activation	0			
Participate in CPR - Stop the Bleed Class Comments:	R			

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	LICENSE CLASS:	CALL:		NAME:
	DATE:			
			Record	Level 2 Completion F
indicate	ompleted, dated and initialed indi status.	•	es, skills and tasks for Leve ion for the MERT Member	•
		fied for Level 2 .	al is recommended Certifie	The individual
		.eader:	MERT Lea	Date:
				Comments:

Skill Level 3

This Validated Expertise Skill Level is desired by MERT for all Members in accepting senior positions within MERT including Trustee, appointed Managers, Technical Advisor, Assistant Coordinator and Coordinator.

Level 3 proficiency includes individuals with at least a General Level FCC License and completion of advanced FEMA/NIMS ICS Online Courses including classroom sessions of AUXCOMM and others listed.

Core Objectives include the setup, operation and troubleshooting capability of major radio systems used at the Emergency Shelters and the Emergency Operations Center. Additional skills include advanced courses on EMCOMM management and leadership.

 NAME:
 _____CALL:
 LICENSE CLASS:

DATE:_____

COMPLETION MERT				
TASK	Req/Opt	DATE	Sign Off	
Education				
Auxiliary Communication Course (AUXCOMM)	0			
Complete one HURREVAC Training Webinar class annually	0			
IS-120 - An Introduction to Exercises	R			
IS-244 – Developing and Managing Volunteers	R			
IS-288 – Role of Voluntary Organizations in Emer. Mgt.	R			
IS-394 – Protecting Your Home/Small Business from Disaster	R			
In writing, describe how the MCSO PIO interfaces with MERT	R			
Comment:				
Participation				
Controlled Net Participation (Once per Quarter—minimum)	R			
MERT Recruitment Event Participation (Annually)	R			
Simulated Emergency Test or Exercise Participation (MERT 20, joint ARES/HEC) (Annually)	R			
Serve as Net Control (Once per Quarter—minimum)	R			
Volunteer for MERT Activation to a Shelter or the EOC	R			
CPR/AED	R			
Comment:				
Leadership				
Hold a General Class License or higher	R			
Present a training session on topics relevant to MERT	R			
Present a second training session on topics relevant to MERT	R			
Hold/held within 1 year, a Manager or Trustee leadership position in MERT	R			
Complete CPR/AED training within last 2 years	R			
Comment:				

Proficiency/Skill		
Deployment to a School Shelter during an official Activation	0	
Proficient in using ICS forms by describing most relevant forms use	R	
Describe what D-Star is, why it is useful to MERT Operators and the key elements when programming a compatible radio	R	
Describe what EchoLink is, when it is useful to MERT Operators and display its use to others	R	
Program Tone into HT (Manually or by Computer)	R	
Program frequency & offset into radio (Manual or Computer)	R	
Demonstrate cross band repeat on Mobile Radio (UHF→VHF)	R	
Operate VHF Winlink station in Peer-to-peer mode*	R	
Operate VHF or HF Winlink Gateway station*	0	
Use a SHREK Kit and battery to activate a temporary "station" and send/receive WINLINK digital messages with the EOC	R	
Explain what a NVIS antenna is, why it is used, participate in deploying a unit at a MERT event and send/receive transmissions with other HF stations	R	
Lower then raise the MERT tower at the EOC after performing an inspection of the cabling and antenna connections and logging the results into the tower logbook.	R	
Identify the specific MERT Antennas on the EOC Tower connections to the radios in the Radio Room	R	
Comment:		I

MERT TRAINING SKILL BOOK and New Member Orientation Guide		
NAME:	CALL:	LICENSE CLASS:
		DATE:
Level 3 Completion Record		
The listed objectives, skills and t successful completion for the M	-	ompleted, dated and initialed indicate 3 status.
The individual is recor	mmended as Certified for Level	3.
Date:	MERT Leader:	
Comments:		

Skill Level Deployment Qualified

This validated Expertise Skill Level is available for all MERT Members wishing to support MCSO Deployment activities beyond operations at the Shelters and the EOC <u>after declared emergencies</u>.

Deployment Qualified proficiency includes individuals with a General FCC License (or higher) and completion of additional advanced FEMA/NIMS ICS Courses by online study or classroom participation.

Core Objectives include advanced leadership classes/courses and advanced skills of setup, operation and troubleshooting SHARES, HF, 2 Meter and 70 cm system capabilities on the Mobile Command Center (MCC).

NAME: _____CALL: ____LICENSE CLASS: _____

DATE: _____

		COMPLETION	MERT
TASK	Req/Opt	DATE	Sign Off
Education			
Auxiliary Communications Course (AUXCOMM)	R		
IS-230 – Fundamentals of Emergency Management	R		
IS-240 - Leadership and Influence	R		
IS-241 – Decision Making and Problem Solving	R		
IS-242 – Effective Communications	R		
G-300 (IS-300) Intermediate ICS for Expanding Incidents	R		
Participation			
Controlled Net Participation (Once per Quarter)	R		
MERT Recruitment Event Participation (Annually)	R		
Simulated Emergency Test or Exercise Participation (MERT 20, joint ARES/HEC) (Annually)	R		
Become Net Control Operator leading regular MERT NET's	0		
Leadership			
Present a training session on topics relevant to MERT	R		
Present a second training session on topics relevant to MERT	R		
Hold a General Class License or higher	R		
Hold MERT Manager or MCSO SOG listed Office position	R		
Become a MERT Repeater Trustee	0		
Comment:			
Proficiency/Skill			
Deployment to a School Shelter during an official Activation	0		
Demonstrate skills to correctly setup and operate radio and antenna systems on the Mobile Command Center (MCC) for SHARES, HF, 2 Meter and 70 cm communications.	R		
Create a list and describe the components of a 1-week Personal Go Kit including necessary sleeping, hygiene and clothing appropriate for deployment location and conditions	R		
Create a personal Go Kit reference resource (laptop or thumb-drive) that includes necessary ICS Forms, Radio Logs, Operating Manuals, U.S. Repeater listing & other materials required in supporting a deployment to any U.S. location	R		
Program Tone into HT (Manually or by computer)	R		
Program frequency & offset into radio MERT uses	R		
Demonstrate ability to Setup and Operate SHARES	R		
Demonstrate ability to setup a VHF/UHF and/or HF operation using MERT HF/MCC GO KIT	R		
Operate HF Winlink station	R		
Demonstrate Winlink Peer-to-Peer mode	R		
Complete CPR – Stop the Bleed class within 1 year	R		

DEPLOYMENT QUALI	FIED Level Completion
	and experience for the DEPLOYMENT QUALIFIED Level having been dated and cessful completion of all the tasks required of the MERT Member for the IFIED Level status.
The individual i	s recommended as Certified for DEPLOYMENT QUALIFIED Level.
Date:	MERT Leader:
Comments:	

<u>Deployment Authorization Request</u> <u>Request for Deployment Team consideration</u>	DATE:	_
NAME:	_ CALL: LICENSE CLASS:	_
Date: Signed:		
When approved, information to be sent to M	ICSO Division of Emergency Management Director.	
Submitted By:	Acknowledgement:	
Title:	Title:	
Date:	Date:	

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Version	Release Date	Change Type	Change Type* Log Entry & Detail
1.0	08/01/2022	Original	Original concept with focus on Level 1 details
2.0	08/11/2022	Add	Original concept with focus on Level 2 details
3.0	10/01/2022	Add & Change	Original concept with focus on Level 3 & 4 details – Change 1 & 2
4.0	09/22/2023	Add & Change	Revised Levels 1, 2 & 3. Add education details Level 3 & 4
5.0	10/02/2023	Add & Change	Add and change elements of Levels 1 – 4 with Member feedback.
6.0	11/05/2023	Add, Remove & Change	Add, Remove & Change skills to Levels 1 & 2 based on Team Meeting feedback, make second Background ID required for Level 1
6.1	11/24/2023	Add, Remove and Change	Add Change Log (Page 17), Remove and Change education from Levels 3 & 4 aligning with ARRL (ARES) and CISA (AUXCOMM) Task Book, remove version/date from first page. Added on Page 2.
6.2	12/06/2023	Add, Remove and Change	Add blank Page 2 (with notice) protecting Page 1 from future change. Move version/date from Page 2 to Page 3. Remove "Amateur Extra Class" and add "(or higher)" on Page 13.

*Change Tye: Change Type: Fix, Change, Replace, Removal, Add

Appendix

- A) This document was created by the coordinated efforts of MERT Members. It is designed to help all Members advance their knowledge and skills in Emergency Communications (EMCOMM) and focused on having increasingly competent Members supporting the Marion County Sheriff's Office Division of Emergency Management whenever and wherever Activated or Deployed. Recommendations and suggestions for improvements are encouraged and welcomed by contacting the MERT Coordinator or Assistant Coordinator at KG4NXO@marionso.com.
- B) This document was designed to support a self-directed training effort which encourages the responsibility of learning by the Member. This gives each Member the opportunity to make every decision when it comes to gaining the knowledge and skills needed for MERT membership.
- C) MERT acknowledges and thanks the American Radio Relay League (ARRL) and the Amateur Radio Emergency Service[®] (ARES[®]) for approval to use its Standardized Training Plan – "ARES Emergency Communicator Individual Task Book" outline. (ARRL North Florida Section, Scott Roberts KK4ECR – Section Manager, Oct. 5, 2023.)
- D) The MERT Training SKILL BOOK and New Member Orientation Guide was compiled from many resources including the "MERT Performance Packet" and the "MERT New Member Orientation Guide". [Background Note: MERT ceased using the "Performance Packet", 2018 and the "New Member Orientation Guide", March 2020.]
- E) This document includes recent training developments consistent with the Auxiliary Communications (AUXCOMM) program developed by the Department of Homeland Security - Cybersecurity and Infrastructure Security Agency (CISA). It is being deployed nationally to all auxiliary emergency/public service communications units. While AUXCOMM stands for Auxiliary Communications, it is considered a Primary Emergency Communications asset and is overseen by qualified amateur radio personnel and experienced Emergency Management leaders. Some state AUXCOMMs are tasked with establishing county AUXCOMM units led by appointed qualified volunteer AUXCOMM Coordinators. See: <u>https://www.cisa.gov/safecom/comu-training-resources</u>

F)

Following this page, please include copies of FCC Licenses, Training Acknowledgements, FEMA/NIMS ICS Course Certificates, Awards, Transcripts and all other Documents referenced in your Skill Book.

Please attach/include the relevant documentation prior to MERT Sign Off.