

Radio Communication Plan, CT ARES - Region 3			Date Prepared	Time Prepared	Incident Name/Number	Operational Period
			03-01-2022	1000	General	As Needed
<b>Radio Channel Utilization – Regional Operations</b>						
System	Channel	Function	Frequency/Tone	Assignment		Remarks
2 Meter FM Repeater		Tactical Net (Primary)	147.090, + 600 offset PL 110.9, TS	Tactical/Activation Net for CT ARES Region 3 Emergency Operations		W1EDH Repeater Use when statewide net activated
2 Meter FM Repeater		Tactical Net (Secondary)	147.345, + 600 offset PL 151.4, TS	Tactical/Activation Net for CT ARES Region 3 Emergency Operations		KB1AEV Repeater System (see listing below) Use when no statewide net activated
DMR Repeater		Tactical Net (Tertiary)	DMR Network (See Repeater information Below)	Tactical/Activation Net for CT ARES Region 3 Emergency Operations		Use CT-TAC3
2 Meter FM Repeater		Resource Net (Local)	145.450, - 600 offset PL 127.3, TS	Local Resource and Talk-in Net CT ARES Region 3 Emergency Operations		W1AW Repeater
2 Meter FM Repeater		Resource Net (Local)	145.230, - 600 offset No PL	Local Resource and Talk-in Net CT ARES Region 3 Emergency Operations		K1YON Repeater East Hartland
2 Meter FM Repeater		Resource Net (Local)	146.685, - 600 offset PL 77.0, TS	Local Resource and Talk-in Net CT ARES Region 3 Emergency Operations		W1DHT Repeater Bristol
2 Meter FM Repeater		Resource Net (Local)	145.110, - 600 offset, PL 77.0, TS	Local Resource and Talk-in Net CT ARES Region 3 Emergency Operations		W1BRS Repeater Vernon
2 Meter FM Repeater		Resource Net (Local)	446.875, - 5000 offset PL 156.7, TS	Local Resource and Talk-in Net CT ARES Region 3 Emergency Operations		K1IKE Repeater Higganum/Middletown
<b>ICS 205</b>	Page 1			<b>Prepared By</b>		
				K1XFC – Philip Crombie – DEC		

Radio Communication Plan, CT ARES - Region 3				Date Prepared	Time Prepared	Incident Name/Number	Operational Period
				03-01-2022	1000	General	As Needed
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2 Meter FM Repeater		Resources Net (Local)	146.820, - 600 Offset, No PL	Local Resource and Talk-in Net CT ARES Region 3 Emergency Operations		W1CWA Repeater Avon	
2 Meter FM Repeater		Resource Net (Statewide)	147.345, + 600 Offset, PL151.4, TS	Statewide Enroute Tracking Net		KB1AEV Repeater	
2 Meter FM Simplex		Resource Net (Simplex)	146.430	Local Resource and Talk-in Net CT ARES Region 3 Emergency Operations		2 Meter FM Simplex Backup to repeaters No Tone or offset	
2 Meter FM Simplex		Out of Region Liaison (Simplex – Regions 1 and 5)	146.460	East Granby Local Net Region 1 and 5 Liaison		East Granby backup if there is no repeater access	
2 Meter FM Simplex		Out of Region Liaison (Simplex – Regions 2)	147.435	Middletown Local Net Region 2 Liaison		Middletown backup if there is no repeater access	
2 Meter FM Simplex		Out of Region Liaison (Simplex – Regions 4)	146.445	Manchester Local Net Region 4 Liaison		Manchester backup if there is no repeater access	
DMR Repeater		Command Net (Statewide)	CSP DMR Network (See Repeater Information Below)	Section & District Emergency Coordinators, Assistants & Net Control Stations		Command, Control, & Coordination of ARES Resources & Response Use CT-Statewide	
2 Meter FM Repeater		Skywarn Hartford and Tolland Counties	146.790, - 600 offset PL 82.5, TS	Weather Net and Skywarn Activations		PVRA Repeater Vernon	
<b>ICS 205</b>	Page 2			<b>Prepared By</b>			
				K1XFC – Philip Crombie – DEC			

Radio Communication Plan, CT ARES - Region 3			Date Prepared	Time Prepared	Incident Name/Number	Operational Period
			03-01-2022	1000	General	As Needed
<b>Radio Channel Utilization – Regional Operations</b>						
System	Channel	Function	Frequency/Tone	Assignment	Remarks	
2 Meter FM Packet		Packet Net (Primary)	145.090	Packet Net for Digital Message Traffic	W1EDH, Glastonbury Emergency Power	
2 Meter FM Packet		Packet Net (Secondary)	145.070	Packet Net for Digital Message Traffic	K1CRC-7, Burlington Solar Powered No Message Forwarding	
2 Meter FM Packet		Packet Net	145.010	Red Cross Farmington HQ CT RI Mailbox	WA1ARC-7, Farmington No Auto Forwarding Emergency Power	
2 Meter FM Packet		Packet Net	145.030	Packet Net for Digital Message Traffic	KA1VSC-4, Glastonbury Auto NTS Message Format Forwarding	
2 Meter FM Packet		Packet Net	145.050	Packet Net for Digital Message Traffic	W1SP-4, Tolland Emergency Power	
2 Meter APRS		APRS	144.390	Automatic Position Reporting System (APRS) Network & Digital Message Traffic (limited)	2 Meter FM Simplex No tone or offset	
HF		Operations (Primary)	3.915 LSB	American Red Cross		
HF		Operations (Secondary)	7.285 LSB	American Red Cross		
<b>ICS 205</b>	Page 3			<b>Prepared By</b>		
				K1XFC – Philip Crombie – DEC		

Radio Communication Plan, CT ARES Region 3				Date Prepared	Time Prepared	Incident Name/Number	Operational Period
				03-01-2022	1000	General	As Needed
<b>Radio Channel Utilization – National Traffic System</b>							
System	Channel	Function	Frequency/Tone	Assignment		Remarks	
HF		NTS Traffic VOICE	3.973 LSB	CPN Statewide		Meets 1800 Hours Local Monday-Saturday	
HF		NTS Traffic VOICE	3.965 LSB	CPN Statewide		Meets 1000 Hours Local Sunday	
VOICE FM		NTS Traffic VOICE	145.410, - 600 offset, PL 141.3	Region 3 VHF Wescon		PVRA W1HDN Vernon	
VOICE FM		NTS Traffic VOICE	147.180, + 600 offset, PL 141.3	Region 3 VHF Wescon		PVRA W1HDN Prospect	
VOICE FM		NTS Traffic VOICE	146.685, - 600 offset, PL 77.0	Region 3 VHF Nutmeg		ICRC/BRC W1DHT Bristol	
<b>ICS 205</b>	Page 4			<b>Prepared By</b>			
				K1XFC – Philip Crombie – DEC			

<b>Radio Communication Plan, CT ARES Region 3</b>			<b>Date Prepared</b>	<b>Time Prepared</b>	<b>Incident Name/Number</b>	<b>Operational Period</b>
			03-01-2022	1000	General	As Needed
<b>Radio Channel Utilization – National Traffic System</b>						
<b>System</b>	<b>Channel</b>	<b>Function</b>	<b>Frequency/Tone</b>	<b>Assignment</b>		<b>Remarks</b>
DIGITAL		NTS Traffic PACKET	145.030	Regional NTS BBS		KA1VCS-4 Glastonbury
DIGITAL		NTS Traffic PACKET	145.090	Statewide NTS BBS		W1EDH-4 Glastonbury Emergency Power
DIGITAL		Winlink	145.690	Winlink 2 Gateway		W1SP-5 Haddam Emergency Power
<b>ICS 205</b>	Page 5			<b>Prepared By</b>		
				K1XFC – Philip Crombie – DEC		

<b>Radio Communication Plan, CT ARES - Region 3</b>	<b>Date Prepared</b>	<b>Time Prepared</b>	<b>Incident Name/Number</b>	<b>Operational Period</b>
	03-01-2022	1000	General	As Needed

**Radio Channel Utilization – Digital**

<b>System</b>	<b>Channel</b>	<b>Function</b>	<b>Frequency/Tone</b>	<b>Assignment</b>	<b>Remarks</b>
Digital		Email Gateway	145.690	American Red Cross	W1SP-4 Avon Emergency Power
Digital		Email Gateway	145.650	American Red Cross	W1SP-1 Tolland Emergency Power
Digital		Email Gateway	145.510	American Red Cross	W1AW-10 Newington
Digital		Winlink	145.530		KB1AEV-10 Tolland Emergency Power
Digital		Winlink	145.690		W1SP-5 Haddam Emergency Power

<b>Radio Communication Plan, CT ARES - Region 3</b>	<b>Date Prepared</b>	<b>Time Prepared</b>	<b>Incident Name/Number</b>	<b>Operational Period</b>
	03-01-2022	1000	General	As Needed

**Radio Channel Utilization – Digital**

<b>System</b>	<b>Channel</b>	<b>Function</b>	<b>Frequency/Tone</b>	<b>Assignment</b>	<b>Remarks</b>
DIGITAL		Packet	144.910	Packet Communications Between Shelter and EOC	Assigned by DEC or Delegate
			144.930		
			144.950		
			144.970		
			144.990		

Radio Communication Plan, CT ARES - Region 3				Date Prepared	Time Prepared	Incident Name/Number	Operational Period
				03-01-2022	1000	General	As Needed
<b>Radio Channel Utilization – Simplex</b>							
System	Channel	Function	Frequency/Tone	Assignment		Remarks	
VOICE FM		Simplex VOICE	146.415 - Alpha	Rocky Hill EOC			
VOICE FM		Simplex VOICE	146.430 - Bravo	Suffield EOC			
VOICE FM		Simplex VOICE	146.445 - Charlie	Manchester EOC		K9OEM	
VOICE FM		Simplex VOICE	146.460 - Delta	East Granby EOC		KB1VBB	
VOICE FM		Simplex VOICE	146.475 - Echo	Red Cross		WA1ARC	
VOICE FM		Simplex VOICE	146.790 - Foxtrot	Simplex VOICE			
VOICE FM		Simplex VOICE	146.505 - Golf	Rocky Hill Region 3 EOC			
VOICE FM		Simplex VOICE	146.520	Simplex VOICE - NATIONAL			
<b>ICS 205</b>	Page 8			<b>Prepared By</b>			
				K1XFC – Philip Crombie – DEC			



Radio Communication Plan, CT ARES - Region 3				Date Prepared	Time Prepared	Incident Name/Number	Operational Period
				03-01-2022	1000	General	As Needed
<b>Radio Channel Utilization – Simplex</b>							
System	Channel	Function	Frequency/Tone	Assignment		Remarks	
VOICE FM		Simplex VOICE	146.535 - Hotel	Simplex VOICE			
VOICE FM		Simplex VOICE	146.550 - India	Wethersfield OES			
VOICE FM		Simplex VOICE	146.565 - Juliet	Simplex VOICE			
VOICE FM		Simplex VOICE	146.580 - Kilo	Red Cross			
VOICE FM		Simplex VOICE	147.420 - Lima	Ellington OES			
VOICE FM		Simplex VOICE	147.435 - Mike	Red Cross		Region 2 Comms	
VOICE FM		Simplex VOICE	147.465 - November	Simplex VOICE			
VOICE FM		Simplex VOICE	147.480 - Oscar	Simplex VOICE			
<b>ICS 205</b>	Page 9			<b>Prepared By</b>			
				K1XFC – Philip Crombie – DEC			

Radio Communication Plan, CT ARES - Region 3				Date Prepared	Time Prepared	Incident Name/Number	Operational Period
				03-01-2022	1000	General	As Needed
<b>Radio Channel Utilization – Simplex</b>							
System	Channel	Function	Frequency/Tone	Assignment		Remarks	
VOICE FM		Simplex VOICE	147.495 - Papa	Simplex VOICE			
VOICE FM		Simplex VOICE	147.510 - Quebec	Simplex Voice			
VOICE FM		Simplex VOICE	147.525 - Romeo	Simplex VOICE			
VOICE FM		Simplex VOICE	222.350	Simplex VOICE - NATIONAL			
VOICE FM		Simplex VOICE	446.000	Simplex VOICE - NATIONAL			
VOICE FM		Simplex VOICE	446.025 - Sierra	Simplex VOICE			
VOICE FM		Simplex VOICE	446.050 - Tango	Simplex VOICE			
VOICE FM		Simplex VOICE	46.075 - Uniform	Simplex VOICE			
<b>ICS 205</b>	Page 10			<b>Prepared By</b>			
				K1XFC – Philip Crombie – DEC			

<b>Radio Communication Plan, CT ARES - Region 3</b>	<b>Date Prepared</b>	<b>Time Prepared</b>	<b>Incident Name/Number</b>	<b>Operational Period</b>
	03-01-2022	1000	General	As Needed

**Radio Channel Utilization – Simplex**

<b>System</b>	<b>Channel</b>	<b>Function</b>	<b>Frequency/Tone</b>	<b>Assignment</b>	<b>Remarks</b>
VOICE FM		Simplex VOICE	446.100 - Victor	Simplex VOICE	
VOICE FM		Simplex VOICE	446.125 - Whiskey	Simplex VOICE	
VOICE FM		Simplex VOICE	446.150 – X-Ray	Simplex VOICE	
VOICE FM		Simplex VOICE	446.175 - Yankee	Simplex VOICE	
VOICE FM		Simplex VOICE	446.200 – Zulu	Simplex VOICE	

<b>Radio Communication Plan, CT ARES - Region 3</b>	<b>Date Prepared</b>	<b>Time Prepared</b>	<b>Incident Name/Number</b>	<b>Operational Period</b>
	03-01-2022	1000	General	As Needed

**Radio Channel Utilization – Simplex Assignments**

<b>System</b>	<b>Channel</b>	<b>Function</b>	<b>Frequency/Tone</b>	<b>Assignment</b>	<b>Remarks</b>
VOICE FM		Region 3 EOC	146.505 – Golf	Simplex VOICE	Rocky Hill Veterans Hospital
VOICE FM		East Granby EOC	146.460 – Delta	Simplex VOICE	KB1VBB
VOICE FM		Ellington OES	147.420 – Lima	Simplex VOICE	
VOICE FM		Manchester EOC	146.445 – Charlie	Simplex VOICE	K9OEM
VOICE FM		Red Cross	146.580 – Kilo	Simplex VOICE	WA1ARC Farmington
VOICE FM		Red Cross	146.475 - Echo	Simplex VOICE	
VOICE FM		Red Cross	147.435 - Mike	Simplex VOICE	
VOICE FM		Rocky Hill EOC	146.415 – Alpha	Simplex VOICE	

<b>ICS 205</b>	Page 12	<b>Prepared By</b>
		K1XFC – Philip Crombie – DEC

<b>Radio Communication Plan, CT ARES - Region 3</b>	<b>Date Prepared</b>	<b>Time Prepared</b>	<b>Incident Name/Number</b>	<b>Operational Period</b>
	03-01-2022	1000	General	As Needed

**Radio Channel Utilization – Simplex Assignments**

<b>System</b>	<b>Channel</b>	<b>Function</b>	<b>Frequency/Tone</b>	<b>Assignment</b>	<b>Remarks</b>
VOICE FM		Suffield EOC	146.430 - Bravo	Simplex VOICE	
VOICE FM		Wethersfield OES	146.550 - India	Simplex VOICE	

Radio Communication Plan, CT ARES - Region 3			Date Prepared	Time Prepared	Incident Name/Number	Operational Period
			03-01-2022	1000	General	As Needed
<b>Radio Channel Utilization – Linked Repeater Systems</b>						
System	Channel	Function	Frequency/Tone	Assignment		Remarks
Reference for KB1AEV System			147.345 (+ 600) 151.4 TS Vernon 442.600 (+ 5000) 151.4 TS Vernon	Statewide Linked Network		Select best frequency for your location
			224.360 (- 1600) 151.4 TS Vernon	Statewide Linked Network		
			147.240 (+ 600) 151.4 TS Torrington 442.250 (+ 500) 173.8 TS Torrington	Statewide Linked Network		
			147.270 (+ 600) 151.4 TS Barkhamsted 444.650 (+ 5000) 151.4 TS Harwinton	Statewide Linked Network		
			444.200 (+ 5000) 151.4 TS Meriden 224.800 (- 1600) 77 TS Meriden	Statewide Linked Network		
			441.800 (+ 5000 ) 151.4 Somers	Statewide Linked Network		
			441.650 (+ 5000) 151.4 TS Watertown	Statewide Linked Network		
<b>ICS 205</b>	Page 14			<b>Prepared By</b>		
				K1XFC – Philip Crombie – DEC		

<b>Radio Communication Plan, CT ARES - Region 3</b>	<b>Date Prepared</b>	<b>Time Prepared</b>	<b>Incident Name/Number</b>	<b>Operational Period</b>
	03-01-2022	1000	General	As Needed

**Radio Channel Utilization – Linked Repeater Systems**

<b>System</b>	<b>Channel</b>	<b>Function</b>	<b>Frequency/Tone</b>	<b>Assignment</b>	<b>Remarks</b>
Reference for KB1AEV System (Continued)			442.750 (+ 5000) 151.4 TS Granville MA	Part Time Linked Network	Select best frequency for your location
Reference for W1EDH System			147.030 (+ 600) 110.9 Portland	Regional Linked Network	Select best frequency for your location
			147.090 (+ 600) 110.9 TS Glastonbury	Regional Linked Network	
			444.625 (+ 5000) 110.9 TS Glastonbury	Regional Linked Network	

<b>Radio Communication Plan, CT ARES - Region 3</b>	<b>Date Prepared</b>	<b>Time Prepared</b>	<b>Incident Name/Number</b>	<b>Operational Period</b>
	03-01-2022	1000	General	As Needed

**Radio Channel Utilization – Linked Repeater Systems**

<b>System</b>	<b>Channel</b>	<b>Function</b>	<b>Frequency/Tone</b>	<b>Assignment</b>	<b>Remarks</b>
Reference for W1AW System			145.450 (- 600) 127.3 TS Newington	Regional Linked Network	Select best frequency for your location
			443.050 (+ 5000) 100.0 Newington	Regional Linked Network	



<b>Radio Communication Plan, CT ARES - Region 3</b>	<b>Date Prepared</b>	<b>Time Prepared</b>	<b>Incident Name/Number</b>	<b>Operational Period</b>
	03-01-2022	1000	General	As Needed

**Radio Channel Utilization – Linked Repeater Systems**

<b>System</b>	<b>Channel</b>	<b>Function</b>	<b>Frequency/Tone</b>	<b>Assignment</b>	<b>Remarks</b>
Reference for W1SP DMR Repeater System			446.4375 (-) CC1 Bloomfield	DMR Linked NetworkW1SP	Select best frequency for your location
			447.9750 (-) CC1 Hartford	DMR Linked NetworkW1SP	
			449.1250 (-) CC1 Glastonbury	DMR Linked NetworkW1EDH	
			442.1000 (-) CC1 Newington	DMR Linked NetworkW1AW	
			445.8875 (-) CC1 Somers	DMR Linked NetworkW1SP	
			443.9500 (+) CC1 Vernon	DMR Linked NetworkW1HDN	

<b>ICS 205</b>	Page 17	<b>Prepared By</b>
		K1XFC – Philip Crombie – DEC

