

# Massachusetts Amateur Radio Emergency Communications Plan

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## Introduction

This plan contains the details of how the Radio Amateur Civil Emergency Service (RACES) is implemented across Massachusetts. Instructions and general operating procedures presented in this document are applicable to message traffic handling by RACES and used in all RACES training. All amateur radio operators are encouraged to use this document in training and/or activated net operations.

## Description and Authority

RACES is an organization of Federally licensed amateur radio operators who volunteer to provide radio communications for state and local governments during times of emergency. Created in 1952 primarily to serve in civil defense emergencies, RACES provides essential communications and warning links to supplement State and Local government agencies during emergencies.

RACES is organized to provide emergency communications for civil preparedness purposes only. RACES is a special part of the amateur radio service sponsored by the Federal Emergency Management Agency (FEMA) and is conducted by amateur radio operators using their primary station licenses or by existing RACES stations. During an emergency, RACES is operated under the direct control of the local emergency management director, or under the direct control of the director of the Massachusetts Emergency Management Agency as authorized by the Federal Communications Commission.

RACES response is discussed in the Massachusetts Comprehensive Emergency Management Plan (MCEMP). The MCEMP is the guidance document for emergency response in the Commonwealth of Massachusetts.

The Massachusetts CEMP Establishes the fundamental policies, basic program strategies, assumptions and mechanisms through which the Commonwealth will mobilize resources and conduct activities to guide and support local emergency management efforts through response and recovery.

The CEMP addresses coordinated region and inter-regional evacuation and sheltering, post-disaster response and recovery; rapid deployment and pre-deployment of resources; annual exercises to determine the ability of state and local government to respond to emergencies; and clearly defined responsibilities for state agencies through a Massachusetts Emergency Support Function (MAESF) approach.

When an emergency occurs or a disaster strikes, local governments utilize their own response and community – to – community mutual aid agreements first. Only when the emergency or disaster has depleted or threatens to deplete their own response capabilities would local governments be expected to request assistance from the State.

The State Emergency Operations Center (State EOC) will be activated, operate under the Incident Command System (ICS), and staffed with Massachusetts Emergency Management Team (MENT) representatives from state agencies and private organizations who are grouped together under the Massachusetts Emergency Support Function (MAESF) concept. The Primary agency for each MAESF will be responsible for coordinating the planning and response activities of the support agencies assigned to it.

RACES support is described in the MCEMP under MAESF2. RACES (and ARES support to RACES), report to the Massachusetts Emergency Management Agency (MEMA), as the primary agency responsible for the administration of MAESF2. They, in turn report to the Logistic Section Chief for ICS purposes.

RACES is authorized by section 606 of the communications Act of 1934 as amended by part 97.407 of the Federal communications Commission. A copy of part 97.407 is included in an appendix. In the event that the President invokes the War Emergency Powers Act, amateur radio operators not **Designated as a RACES station** would be silenced. Stations operating in RACES would only be allowed to transmit at the direction of the appointing government.

RACES guidance is also provided by FEMA document CPG1-15 March 1991. A copy of this document is available at the FEMA web site: <http://www.fema.gov/library/civilpg.shtm>

NOTE: FCC Rules, Part 97 still applies to all RACES stations and RACES operators participating in RACES operations.

FCC Rules and Regulations apply to the operation of a radio in the amateur service and therefore apply to the RACES organization.

## RACES Eligibility

Any United States Citizen who possesses a valid FCC Amateur Radio Operators License, Technician class or higher, is eligible to become a member of RACES. The services of amateurs who have a Novice class license may be used, but this is not recommended due to privilege restrictions on their license class. All RACES operators are required to operate within the restrictions of their license class, as per part 97.

## Definitions

**Amateur Radio** – A radio communication service for the purpose of self-training, intercommunication and technical investigations carried out by amateurs, that it, duly authorized persons interested in radio technique solely with a personal aim and without a pecuniary interest.

**ARES** – Amateur Radio Emergency Service. A nationwide organization of Radio Amateurs who have registered their qualifications and equipment for public service communications with their local ARRL Section Emergency Coordinator.

**ARRL** – American Radio Relay League – The nationwide organization of amateur radio operators.

**CEMP** – Comprehensive Emergency Management Plan

**Communications Emergency** – Whenever the volumes of communications traffic exceeds the capacity of communications facilities, whatever the cause.

**DEC – District Emergency Coordinator** – The Amateur Radio operator, appointed by the ARRL Section Emergency Coordinator, to coordinate emergency related public service communications for a defined geographical or functional area.

**EC – Emergency Coordinator** – The Amateur Radio operator, appointed by the local ARRL field organization official, to coordinate emergency related public service communications in a designated geographical area.

**Emergency Response Team – ERT** – A team formed, usually by a radio club, that has registered with the ARRL SEC as a preformed trained team which is prepared to be called into service as a communications resource in the event of an emergency.

**Health and Welfare Communications** – Traffic relating to the disaster survivor's health and welfare, originating from the disaster site, or destined for the disaster site. This traffic is passed only after other traffic has been handled.

**HF** – High Frequency. The frequency range of 3 to 30 MHz.

**ICS** – Incident Command System

**MAESF** – Massachusetts Emergency Support Function

**MACEMP** – Massachusetts Comprehensive Emergency Management Plan

**MARS** – Military Affiliate Radio System – An organization of Radio Amateurs who provide auxiliary communications for the military services.

**MEMT** – Massachusetts Emergency Management Team. RACES and ARES leaders are members of this team.

**NTS** – National Traffic System – A network established by the ARRL, for the handling of messages over any distance.

**RACES** – Radio Amateur civil emergency Service – A radio service using amateur stations for civil defense communications during periods of local, regional or national civil emergencies.

**RACES Radio Officer** – An individual who holds a valid Amateur Radio license of Technician class or higher (General class recommended) who has been appointed in writing by a government authority as the volunteer RACES Radio Officer for that jurisdiction. This person is responsible for coordinating the RACES activities of the government authority.

**RACES Radio Operator** – An individual who holds an amateur radio license who has also been appointed in writing by a government authority as a volunteer RACES operator for that government's jurisdiction.

**RACES Station** – A Station licensed to a government authority not necessarily an amateur radio operator, for the purposes of conducting Emergency Communications in the Radio Amateur Civil Emergency Service only. A RACES station may only be operated by an individual who holds a valid Amateur Radio operator's license for the frequency of operation. These stations are only allowed to operate in RACES and by law only able to communicate with RACES Stations and stations designated as RACES Stations as specified in 97.407. RACES station licenses are no longer being issued or renewed. Only a licensed Amateur radio operator may operate this station. RACES Stations have been assigned callsigns with the prefix WC1 (for this region) and a sequential 3 letter suffix.

**SEOC** – State Emergency Operations Center

**Stations designated as a RACES station** - by a government authority may operate in the Amateur Radio Service when such operation is permitted and in RACES when such activation is requested by the government agency.

It is recommended that all stations designated as RACES stations obtain written appointment documentation indicating this appointment. Proof of this appointment should be kept in the station records. A sample appointment form is available as an appendix to this document. Please send a copy of the appointment to the State RACES Coordinator for training and notification purposes.

While operating in RACES, Amateur stations may not communicate with stations not operating in RACES or stations as specified by 97.407. For our purposes, unless there is a presidential WAR powers act declaration, communications with non – RACES stations as well as RACES stations is permitted.

**UHF** – Ultra High Frequency. The frequency range from 300 to 1000 MHz.

**VHF** – Very High Frequency. The frequency range from 30 to 300 MHz.

## ARES

The Amateur Radio Emergency Service role in the Massachusetts Amateur Radio Emergency Communications plan is to develop and provide guidance for teams of amateur radio operators devoted to Emergency Communications. These Emergency Response Teams are directed by the respective Eastern Massachusetts and Western Massachusetts Section Emergency Coordinator to provide communications support for planned and unplanned emergencies. Teams or members of teams may be asked to provide support to specific agencies requesting help, such as the American Red Cross or Salvation Army, etc. or to fill in holes in coverage of the SKYWARN and RACES organizations.

## RACES

The RACES organization in Massachusetts is organized to four regions along the geographic boundaries used by the Massachusetts Emergency Management Agency. Each region RACES Radio officer is responsible for developing and providing methods for the cities and towns in their region to communicate with their neighbors and to state government through the MEMA Region Headquarters.

The Massachusetts RACES organization holds regular monthly drills on the first Monday of every month except when the first Monday is a legal holiday. In that case, the monthly drills are conducted on the second Monday of the month. All cities and towns in the Commonwealth are invited to participate by sending their RACES radio officer or designee to check in. During these monthly drills, messages are passed for the local emergency managers on emergency management issues and training. The frequencies for each community are cross-referenced later in this text, by the sector designation.

In the event of an emergency activation of RACES net operations, the nets will be on the same frequencies as the monthly drills.

The phone number to call with questions on RACES is 508-820-1428. This is the Massachusetts State RACES hotline and is located at MEMA Headquarters in Framingham. When nobody is at this station, messages will be forwarded to voicemail, and returned as soon as possible.

## SKYWARN

SKYWARN is a component of ARES, and activates based on data from the National Weather Service. However, many times events requiring RACES and ARES activations are Weather situations, and thus require a level of coordination between these groups. SKYWARN has its own criteria for activations and reporting information. See the SKYWARN document for more information on this area. In places where RACES and SKYWARN nets frequencies conflict, and both need activation simultaneously it is up to the discretion of the appropriate net control stations to work out an agreement to share the frequency or decide which net shall change frequencies.

## Outline of cooperation

The ARES reporting structure is through the appointed Section Emergency Coordinator, who is responsible to the ARRL Section Manager who is elected by a majority of the ARRL members in an ARRL section. RACES is a function of the local city or town, and its members are ultimately responsible ultimately to the local elected officials. In the case of the appointed state RACES officials, the Director of the Massachusetts Emergency Management Agency appoints them. The appointed state RACES officials report to the Director of MEMA who ultimately reports to the Governor.

In spite of these different reporting structures we desire to have a single organization developing, coordinating, and implementing Amateur Radio Emergency Communications in Massachusetts. This structure follows:

- 1) The four RACES Region Radio Officers, appointed by the MEMA director, coordinate Amateur Radio Communications in their region, ensuring communications pathways between each city or town in their region, and between each city or town and the State Emergency Management Agency.
- 2) The four RACES Region Radio Officers are recommended to be appointed as DEC's by the ARRL SEC for the appropriate part of the state.
- 3) Local City or Town RACES Radio officers appointed by the Local Emergency Management Director, are also appointed by the RACES DEC as Emergency coordinator for the local community, unless that person desires not to hold that position.
- 4) For Cities and towns that choose not to participate in the RACES program, or have not appointed a RACES radio officer for some reason, where there is some qualified individual available, the ARES DEC/SEC may appoint an EC for that city or town. The intent is to identify persons able to provide emergency communications in every city or town in the state.
- 5) The ARES SEC and DEC encourage "Response Teams" that can be asked to respond to support served agencies such as the American Red Cross, Salvation Army, and be able to provide additional support to Cities and Towns requiring communications support beyond the current capability of the RACES/EC structure.

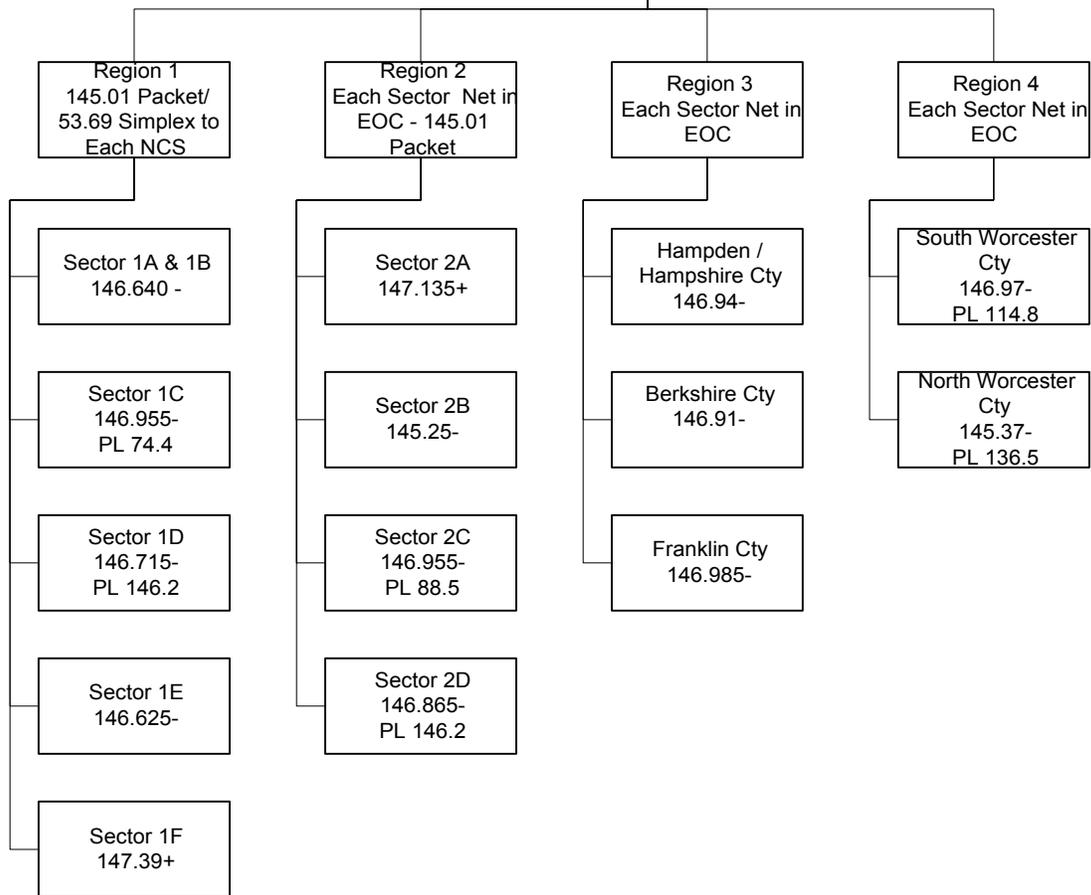
## Identification of Operators

RACES operators are enrolled in the emergency management group for a specific government entity. That government entity is the only agency that can issue Identification for the RACES operator for use within the area of the individual's responsibility. ARES identification is available by being enrolled in an ARES group.

## RACES Net Hierarchy

The Following table indicates the Massachusetts RACES Network hierarchy, and gives an indication of the path a message must take to reach its destination.

Massachusetts State  
 EOC  
 53.31- (71.9/162.2)  
 Sec: 448.625- (88.5)  
 HF Secondary 3943KHz  
 7245KHz



## Frequencies

<b>Nets</b>			
Region	Coverage	Frequency / Location	
IA	Waltham/Framingham	146.64(-)	
IB	Waltham/Framingham	146.64(-)	
IC	Groton/Westford	146.955(-)PL 74.4	
1D	Burlington/Lincoln	146.715(-) PL 146.2	
1E	W Newbury/Amesbury	146.625(-)	
1F	Beverly/Peabody	147.39(+)	
IIA	Bristol County	147.135 / Taunton	
IIB	Plymouth County	145.250 / Norwell	
IIC	Cape and Islands	146.955 PL 88.5	
IID	Norfolk County	146.865/ Sharon PL 146.2	
III	Hampden/Hampshire CTY	146.94	Primary
III	Hampden/Hampshire CTY	146.67	Secondary
III	Berkshire CTY	146.91	Primary
III	Berkshire CTY	145.21	Secondary
III	Franklin CTY	146.985	Primary
IV	South Worcester Cty	146.97/Paxton PL 114.8	
IV	North Worcester Cty	145.37/Templeton PL 136.5	
Wmass	Western Mass ARES	3937+/- LSB	
Wmass	Wmass backup	3942 +/- LSB	
Statewide	Statewide – Primary	53.31- Mt. Wachusett PL 162.2/71.9 input 100.0 Output	
Emass	Emass ARES	3915 +/- LSB	
75 Meter	Massachusetts – State RACES HF 75 Meter Net	3943+ KHz LSB	
40 Meter	Massachusetts – State RACES HF 40 Meter Net	7245+ KHz LSB	
Packet	Statewide Packet Coordination Frequency	145.010 MHz	
APRS	Nationwide APRS Frequency	144.390 MHz	

Note: The State RACES HF Nets meet at 6:45pm on the First Monday of each month (except for state holiday's when it is delayed one week) and during activations. All amateur stations are welcome to check in. Usually only one net will be run at a time. 75 Meters will be the primary frequency. Net control stations will move up in frequency to find a clear spot in the event the frequency is in use.

## Available Simplex Frequencies – Per NESMC

### **2 Meters**

146.415  
146.430  
146.445  
146.460  
146.475  
146.490  
146.505  
146.520      National Simplex Calling  
146.535  
146.550  
146.565  
146.580  
147.050  
147.420      ARES/"Served Entity" Calling  
147.435  
147.450  
147.465  
147.480  
147.495  
147.510  
147.525  
147.540  
147.555  
147.570  
147.585

### **70 cm Band:**

445.000  
445.980  
446.000      National Simplex Calling  
446.025  
446.050  
446.075

### **6m Band:**

51.500  
51.520  
51.540  
51.560  
51.580  
51.600  
52.490  
52.510  
52.525      *National Simplex Calling*  
52.530      *EMa Calling Only (per NESMC)*  
52.540      Not recommended for use with 52.53 Calling  
53.690      RACES Region 1 use only

**1.25m Band:**

223.40

223.42

223.44

223.46

223.48

223.50

223.52

*National Simplex Calling*

RACES Sectors:

Region 1

Sector 1A: Boston, MBTA, MDC

Sector 1B: Arlington, Ashland, Belmont, Brookline,  
Cambridge, Framingham, Holliston,  
Hopkinton, Marlborough,  
Natick, Newton, Sherborn, Sudbury,  
Waltham, Watertown, Wayland, Weston

Sector 1C: Acton, Ashby, Ayer, Boxborough, Carlisle,  
Chelmsford, Concord, Dracut, Dunstable,  
Groton, Hudson, Littleton, Lowell,  
Maynard, Pepperell, Shirley, Stow,  
Townsend, Tyngsboro, Westford

Sector 1D: Bedford, Billerica, Burlington, Everett,  
Lexington, Lincoln, Lynnfield, Malden,  
Medford, Melrose, N. Reading, Reading,  
Somerville, Stoneham, Tewksbury,  
Wakefield, Wilmington, Winchester,  
Woburn

Sector 1E: Amesbury, Andover, Boxford, Georgetown,  
Groveland, Haverhill, Ipswich, Lawrence,  
Merrimac, Methuen, N. Andover, Newbury,  
Newburyport, Rowley, Salisbury,  
Topsfield, W. Newbury

Sector 1F: Beverly, Chelsea, Danvers, Essex,  
Gloucester, Hamilton, Lynn, Manchester,  
Marblehead, Middleton, Nahant, Peabody,  
Revere, Rockport, Salem, Saugus,  
Swampscott, Wenham, Winthrop

RACES NETS REGION II:

Sector 2A: Acushnet, Attleboro, Berkley, Dartmouth,  
Dighton, Fairhaven, Fall River, Freetown,  
Mansfield, Marion, Mattapoisett,  
New Bedford, North Attleboro, Norton,  
Plainville, Raynham, Rehoboth, Rochester,  
Seekonk, Somerset, Swansea, Taunton,  
Wareham, Westport.

Sector 2B: Abington, Bridgewater, Brockton, Carver,  
Duxbury, East Bridgewater, Easton, Halifax,  
Hanover, Hanson, Kingston, Lakeville,  
Marshfield, Middleboro, Norwell, Pembroke,  
Plymouth, Plympton, Rockland, Scituate,  
West Bridgewater, Whitman

Sector 2C: Barnstable, Barnstable County, Bourne, Brewster, Chatam, Chilmark, Dennis, Dukes County, Eastham, Edgartown, Falmouth, Gay Head, Gosnold, Harwich, Mashpee, Nantucket, Oaks Bluff, Orleans, Provincetown, Sandwich, Tisbury, Truro, Wellfleet, West Tisbury, Yarmouth

Sector 2D: Avon, Bellingham, Braintree, Canton, Cohasset, Dedham, Dover, Franklin, Foxboro, Hingham, Holbrook, Hull, Medfield, Medway, Millis, Milton, Needham, Norton, Norfolk, Norwood, Quincy, Randolph, Sharon, Stoughton, Walpole, Westwood, Wellesley, Wrentham, Weymouth

RACES Nets Region III:

Franklin County

Ashfield, Bernardston, Buckland, Charlemont, Colrain, Conway, Deerfield, Erving, Gill, Greenfield, Hawley, Heath, Leverett, Leyden, Monroe, Montague, New Salem, Northfield, Orange, Rowe, Shelburne, Shutesbury, Sunderland, Warwick, Wendell, Whately.

Hampshire County

Amherst, Belchertown, Chesterfield, Cummington, Goshen, Granby, Hadley, Hatfield, Huntington, Middlefield, Northampton, Pelham, Plainfield, South Hadley, Southampton, Ware, Westhampton, Williamsburg, Worthington.

Hampden County

Agawam, Blandford, Brimfield, Chester, Chicopee, East Longmeadow, Granville, Hampden, Holland, Holyoke, Longmeadow, Ludlow, Monson, Montgomery, Palmer, Russell, Southwick, Springfield, Tolland, Wales, West Springfield, Westfield, Wilbraham.

Berkshire County

Adams, Alford, Beckett, Cheshire, Clarksburg, Dalton, Egremont, Florida, Great Barrington, Hancock, Hinsdale, Lanesborough, Lee, Lenox, Monterey, Mount Washington, New Ashford, New Marlborough, North Adams, Otis, Peru, Pittsfield, Richmond, Sandisfield, Savoy, Sheffield, Stockbridge, Tyringham, Washington, West Stockbridge, Williamstown, Windsor.

RACES Nets REGION IV:

North Worcester County Net:

Hardwick, New Braintree, Barre, Oakham,  
Rutland, Paxton, Holden, Princeton,  
Sterling, West Boylston, Boylston,  
Clinton, Lancaster, Bolton, Berlin,  
Royalston, Athol, Petersham, Phillipston,  
Templeton, Hubbardston, Gardner, Winchendon,  
Ashburnham, Westminster, Fitchburg,  
Leominster, Lunenburg,

South Worcester County Net:

Shrewsbury, Northboro, Southboro, Westboro, Grafton, Millbury, Upton, Warren,  
Milford, Hopedale, Northbridge,  
Sutton, Douglas, Uxbridge, Mendon,  
Millville, Blackstone, Warren, West Brookfield, North Brookfield,  
East Brookfield, Brookfield, Spencer,  
Leicester, Oxford, Webster, Dudley,  
Southbridge, Charlton, Auburn, Sturbridge, Worcester

## Net Control Duties and Authority

RACES nets are directed nets and will be treated accordingly. The authority of the Net Control Station (NCS) extends only to the operation of the net on the air. However, within this scope, and while the net is in session, the authority of the NCS is absolute. It is the duty of the NCS to maintain strict discipline and adherence to standard operating procedures. The decisions of the NCS are final and NCS instructions must be strictly complied with. The content of messages, message formatting, handling of the net, are not subjects to be discussed during net operations. Messages are passed, and acknowledged during a net. Discussion of net procedures must be held after the business of the Net and NCS are complete. It is not the job of the net participants to second guess the NCS actions and this will not be tolerated.

The NCS derives authority from the MEMA Director, the State RACES Radio officer, or Region RACES Radio officer, and is responsible to that person for the conduct of the net. While using shared repeater systems the NCS may, at his/her discretion, hold the net in informal mode during drill or emergency activation and allow other traffic on the net frequency.

Net control operators are responsible for the efficient organization of the net and efficient passage of traffic according to priority. In every case, net control stations are required to determine the precedence of any traffic that the net holds, and passing the most urgent traffic before all other traffic.

One particular activity that net control stations should take is to regularly send stations with traffic off to another frequency to pass the traffic so that the net can proceed without interruption. Generally, all traffic should move off frequency to be passed, unless more than one station is receiving the traffic.

In an activation scenario, a net control should be appointed at least temporarily, that is not the station moving the majority of the traffic. This will support traffic being passed off frequency and net operations continuing.

## Net Preamble for Massachusetts RACES Nets

**Is there any further traffic for the frequency before beginning the Massachusetts Sector \_\_\_\_ RACES net? This is <Your Callsign>. OVER.**

**Before we begin, is there any Emergency Traffic on this frequency? This is net control station, <Your Callsign> OVER.**

<Handle all Emergency Traffic first>

**Calling the Massachusetts Sector \_\_\_\_ RACES net, Calling the Massachusetts Sector \_\_\_\_ RACES net. This net meets Monthly on this frequency on the First Monday of every month at <net time> and during RACES activations.**

**The purpose of this net, is to pass emergency management information between State and local governments, and as training for Amateur Radio Operators involved in RACES and ARES.**

**Our first call will be for RACES stations and RACES stations only. Stations checking in as RACES stations will be accepting traffic on behalf of local governments with the expectation that traffic will be delivered to the addressee within 24 hours or sooner as requested. This is <your callsign>. OVER.**

<At Net control discretion, check in towns in an open manner or in a list>

**This is <your call> net control for the Massachusetts Sector \_\_\_\_ RACES Net. Our next call will be for all other stations wishing to check in to the net, ARES stations please list your ARES group association if any : OVER**

<Call for all other stations specifically recruiting stations in communities where RACES stations have not checked in from>

**This is <your call> net control for the Massachusetts Sector \_\_\_\_ RACES Net.**

**The traffic follows, please copy:**

<pass traffic>

<acknowledge that traffic has been received by all stations>

**This has been the Massachusetts Sector \_\_\_\_ RACES net which meets regularly on the first Monday of the month at <time> and during emergencies. The Massachusetts Emergency Management Agency would like to thank the trustees of the repeater system <if applicable> for it's use, and to those that checked in, took traffic, or stood by during the net for their cooperation.**

**This is <your call> out.**

## Massachusetts RACES Message Format

RACES operations are primarily conducted in messages that match the ARRL NTS message format. The form only allows up to 40 words to be in a message form. When more than 40 words are required, consider breaking up the message into more than one message. In other cases, tactical type messages are often acceptable. However, when a message is sent and acknowledged in the accompanying format, there is usually a formal record of the message, with time and date sent. This sort of information is usually not tracked with a tactical type message.

Communications of record use the Massachusetts RACES Message format. By definition, all communication on behalf of an EMA director to another government official is record communication and third party traffic and should use this format. All of our drills and exercises are intended to practice this format.

The format is shown below and is made for reproduction to keep at your station:

# Massachusetts RACES Radiogram

Number	Precedence	HX	Station of Origin	Check	Place of Origin	Time Filed * Z	Date

**To:**

**Address:**

Phone: \_\_\_\_\_

*One word per box, break up phone #s. Use X for STOP. 40 words normal max.*


**SIGNED:**

[Your Name]: \_\_\_\_\_ [Title (optional)]: \_\_\_\_\_

Phone: \_\_\_\_\_ Zipcode: \_\_\_\_\_

Received at Amateur station:	Date, Time	Phone	Address
Rcvd From	Date	Time	Sent To

MARACES Message Form 1.1 10/6/1999

## **Number:**

The message number is an ascending number, unique to the originating station and usually beginning at one. When resetting the message number, care must be taken to ensure that there is no confusion with any other message of the same number that originate at that station.

## **Message precedence:**

All messages handled by Massachusetts RACES stations should contain a precedence--that is, an evaluation of each message's importance, made by the originating station. A precedence is an "order of handling." There are four precedences in the ARRL message form: Emergency, Priority (P), Welfare (W) and Routine (R), in that order of handling. When and as they appear on a net or any other kind of circuit, messages will be handled in this order.

1. **Emergency** - Any message having life and death urgency to any person or group of persons, which is transmitted by RACES stations. This includes official messages of welfare agencies during emergencies requesting supplies, materials or instructions vital to relief to stricken populace in emergency areas. During normal times, it will be very rare. On CW, RTTY, AMTOR and packet this designation will always be spelled out. When in doubt, do not use this designation.
2. **Priority** - Use abbreviation P on CW, RTTY, AMTOR and packet. This classification is for important messages having a specific time limit, official messages not covered in the emergency category, press dispatches and emergency-related traffic not of the utmost urgency.
3. **Welfare** - This classification, abbreviated as W on CW, RTTY, AMTOR and packet, refers to either an inquiry as to the health and welfare of an individual in the disaster area or an advisory from the disaster area that indicates all is well. Welfare traffic is handled only after all emergency and priority traffic is cleared. The Red Cross equivalent to an incoming Welfare message is DWI (Disaster Welfare Inquiry).
4. **Routine** - Most traffic in normal times will bear this designation. In disaster situations, traffic labeled Routine (R on CW, RTTY, AMTOR and packet) should be handled last, or not at all when circuits are busy with higher-precedence traffic.

## **Handling Instructions (HX)**

Handling instructions are for the deliverer of the message. The following codes are optionally used:

**HXA** – Call Collect \_\_\_\_ Miles

**HXB** – Cancel after \_\_\_\_ Hours

**HXC** – Return receipt requested (Delivering station send a message to originating station indicating time/date of delivery)

**HXD** – Receipt Trace (Send a message to the originating station after you pass this message on indicating who you send the message to)

**HXE** – Get Reply from addressee and send it to the originating station

**HXF** – Hold Until \_\_\_\_ date

**HXG** – Free Delivery – Only no toll, or mail. If not deliverable send a message to originating station indicating why it could not be delivered

## **Originating Callsign**

This is the amateur radio callsign of the originating station. The originating station is the first amateur radio/RACES station that transmits the message on the air.

## **Check**

This field contains the total number of words between the addressee and the signature. A phone number 508 820 2000 is considered 3 words.

## **City of Origin**

The city in which the person listed on the signature is located when they request that the message be sent. This is not necessarily the location of the originating station.

## **Time**

This field is optional, but may prove valuable in emergency situations. This is the time that the person listed in the signature requested that the message be sent.

## **Date**

This field is not optional. It is the date that the person listed in the signature requested that the message be sent.

## **To:**

This field lists the addressee of the message. It usually lists street address and telephone number, except when the message is expected to be received over the radio directly by the addressee, and it is expected that every station receiving and/or transmitting the message has knowledge of being able to pass the message on towards the destination.

## **Text:**

The Text field is broken into five columns to aid in counting the number of words in the text. In general if a message of more than 40 words is being passed, then this message format is probably not the best method of sending that message. It would likely be better to send it via FAX, Packet Radio or via a tactical message.

## **Signature:**

The signature is the name, title and contact information of the official requesting that the message be sent. The signature is never the radio operator, unless s/he is the official originating the message. In general, RACES operators must pass messages on behalf of Government officials, upon request of Government officials.

## **Example:**

# Massachusetts RACES Radiogram

Number	Precedence	HX	Station of Origin	Check	Place of Origin	Time Filed * Z	Date
<u>54</u>	<u>Priority</u>	<u>A50</u>	<u>WC1MAC</u>	<u>12</u>	<u>Belchertown, Ma</u>	<u>1200</u>	<u>October 10</u>

**To:** John Tommaney Chief Of Operations MEMA

**Address:** 400 Worcester Rd  
Framingham, Ma

Phone: 508-820-2000

*One word per box, break up phone #s. Use X for STOP. 40 words normal max.*

Town	Of	Peru	Requesting	Assistance
Obtaining	Chain	Saws	To	Clear
Fallen	Trees			

SIGNED:

[Your Name]: Pat Carnevale

[Title (optional)]: Region 3 Director

Phone: \_\_\_\_\_ Via RACES \_\_\_\_\_ Zipcode: \_\_\_\_\_ (or other routing for replies)

Received at Amateur station: N1CPE	Date, Time 10/4 1230	Phone	Address	
Rcvd From	Date	Time	Sent To	Date
				Time

MARACES Message Form 1.1 10/6/1999

## MEMA's Four Emergency Levels

**Level 1: Day to Day Emergency.** Local response capability can handle situation. No State Assistance is Required. Situation Monitored by State.

**Level 2: Minor Emergency.** Situation intensifies. Some state assistance may be required. EOPS/Governor's Office notified.

**Level 3: Major Emergency.** Local response capabilities inadequate. Situation requires state response assistance and possibly federal assistance. State EOC is activated. Governor declares State of Emergency.

**Level 4: Catastrophic Emergency.** Widespread threats to public safety exist. Large scale State and Federal response and recovery assistance required.

## RACES Activations

RACES may be activated at state level by: The Director of MEMA, Chief of Operations of MEMA, or the State Communications Officer. All RACES nets in Massachusetts are to be activated for Statewide RACES Activations. Notification of Statewide RACES Activations is made by or on behalf the State RACES Officer to Each region RACES Officer. Each RACES officer contacts each of the net control stations in the respective region for activation. Any of the four Region Directors for the Massachusetts Emergency Management Agency may activate RACES nets for their respective regions. Local Emergency Management Directors may activate RACES within their community.

A RACES activation means that all RACES nets in the affected area are requested to be opened for official traffic to and between MEMA, Cities and Towns.

RACES may be activated at any level with the following priorities:

1. Safety of life;
2. Preservation of property;
3. Alleviation of human suffering and need;
4. Any disaster endangering the public;
5. Act of sabotage; or
6. Testing and drills

RACES stations and operators supplement surviving communications facilities, or provide emergency communications facilities.

RACES will be activated for all Level 3 and 4 emergencies and may be activated for Level 2 emergencies at the discretion of the appropriate MEMA officials.

## Guidelines for All Stations

Good net procedure for all stations on a net suggests that all stations use the following prosigns:

- OVER - When you are inviting another specific station to talk.
- OUT – When you are ending your transmission and expect no response.
- BREAK – When you have been communicating with one station, and wish to invite another station to transmit
  - Eg: “Newton EOC Roger your message – BREAK – Waltham EOC what traffic do you have?”

These techniques can be used effectively to keep the frequency clear, and to make it obvious which specific stations are invited to transmit and minimize unwanted interruptions. Nets will now be asked to use these prosigns.

## **Brevity**

When conducting a conversation, keep it short and to the point. We do not wish to tie up frequencies with long-winded explanations or transmissions unless the net control has specifically invited it (and net control stations should specifically discourage any transmissions not pertaining to the event when in active control). Many people listen to us and we must portray a professional image.

Unless transmitting a formal message, all transmissions should be limited to 30 seconds or less.

## **Tactical Callsigns**

Identify using tactical callsigns at all times. **Only** identify with FCC callsigns at the end of an exchange, or every ten minutes. Use your FCC assigned callsign when checking in to a net only if you have the expectation that you may not transmit within 10 minutes.

Eg: “This is ... Town of Wellesley W1XYZ OVER”

or:

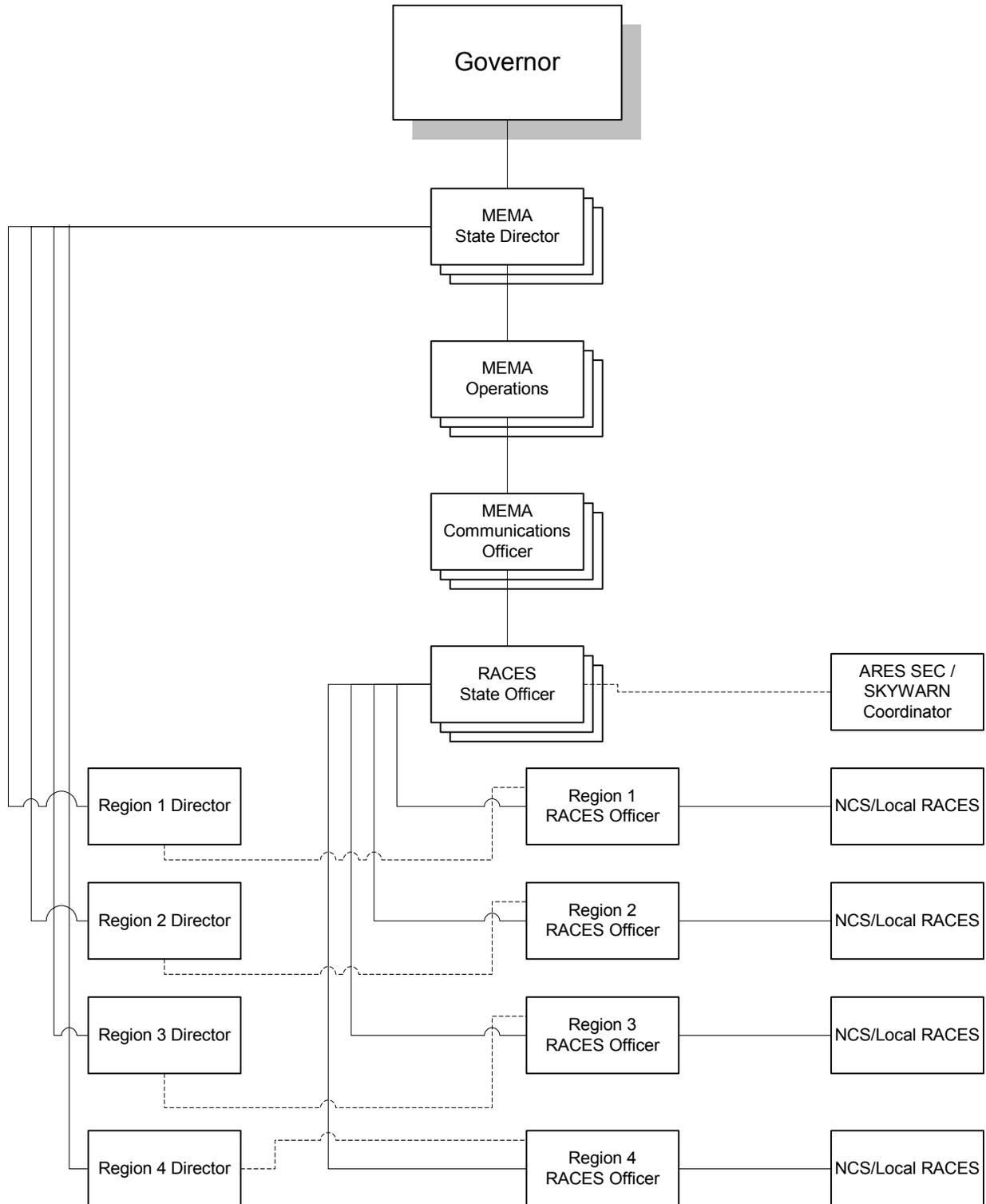
“MEMA Region 2 this is Town of Wellesley OVER”

...

“Town of Wellesley W1XYZ out.”

If you must call a station, call the station by the tactical callsign, not the FCC assigned callsign. Wait until the conversation is over or 10 minutes to use your FCC identification. If no response is received, announce that no contact was made, your tactical callsign and your FCC callsign.

# Organization Chart



## Backup Systems

In the event of the failure of a repeater system used in the RACES program during a drill or emergency activation, the network will operate on the repeater output frequency in a simplex manner. At the discretion of the net control station, the net may be moved to another repeater or simplex frequency, but it is recommended that some station be asked to continue monitor the repeater output frequency to direct additional stations to the current frequency in use.

Stations at any level of the network hierarchy may participate in nets at another level as a backup or in the event of the failure of the system. It is requested that you notify the net control station that you are reporting out of sector and the reason for that so that we may better deal with the situation.

During RACES activation, RACES stations may contact the MEMA RACES station by telephone at 508-820-1428. At other times a voicemail system will take your message.

## Massachusetts Emergency Frequency Protocol

The RACES leadership and both Eastern and Western Massachusetts ARES together have developed the following protocol for amateur radio operators in Massachusetts to follow in the event of a sudden or large scale emergency or where communications infrastructure has failed or is likely to fail. This Protocol called the "Massachusetts Emergency Frequency Protocol" or **MEFP** has been developed in an attempt to centralize the resources required to support large-scale communications emergencies in Massachusetts. Our observations of exercise traffic and actual emergencies as well as modeling done by other groups including the Federal SHARES HF network has led us to this protocol. This Protocol is intended to be used for non-weather related emergencies and after the weather related emergencies have passed. During Weather related emergencies, we closely work with the National Weather Service and SKYWARN to report severe weather. Please report severe weather situations as usual to nets on SKYWARN net frequencies at all times. Please use the MEFP as infrastructure for official communications.

During an emergency, all amateur stations should, based on the city/town they are currently located in, monitor or check in when requested on frequencies defined by the Massachusetts State RACES Plan. The frequencies are defined by this document above.

Note that all of these frequencies are repeater frequencies. The protocol indicates that in the event of a repeater failure, conduct operations on the repeater output frequency in simplex mode, until operation is restored, or until the a net control station requests that the net change frequency. Relay traffic or Net directions to all stations on the frequency as needed.

Amateurs working with served agencies such as Red Cross, Salvation Army and others will monitor the frequency assigned to their city/town for any traffic for their station. Amateurs at home and working with served agencies are encouraged as necessary to conduct operations on other frequencies, but must keep a "watch" on the assigned frequency for their community.

During drill or emergency operations, do not pass traffic on the assigned frequency. Arrange another frequency and move there to pass the traffic. If you cannot monitor the assigned channel while off frequency, announce your departure and arrival back on the assigned frequency to the NCS or to all stations on the frequency. The only exception to traffic on the assigned frequency is any "broadcast" message from one to many stations.

Messages of record between government officials, and served agency leaders should always be in NTS or Massachusetts RACES Radiogram format. Communications between radio operators

need not use these methods and never take the form of official communications. All record communications should include all necessary information about both the addressee and originator in terms of name, title, agency, address, and phone.

If we all use this method, then any station or served agency or community can receive messages from the outside world based on their location. In many cases, these frequencies will have an assigned NCS station to help coordinate operations. If no assigned NCS is present, any station is welcome to take charge and organize the net according to the principles of this document and ARES guidelines.

## List of Massachusetts Radio Clubs

**Name:** [NORTHERN BERKSHIRE ARC](#)

**Specialties:** General Interest

**Call sign:** K1FFK

**Services:** Help for newcomers, Entry-level classes, Other

**Address:** 25 UPTON ST  
ADAMS, MA 01220-1443

**Contact:** VIGIARD ALAN C, K1SAV

**Web:** <http://www.nobarc.org>

**E-mail:** [k1sav@nobarc.org](mailto:k1sav@nobarc.org)

**Name:** [HAMPDEN COUNTY RADIO ASSOCIATION \[SSC\]](#)

**Specialties:** General Interest

**Call sign:** W1NY

**Services:** Help for newcomers, Entry-level classes, Higher-level classes, RFI help, Other

**Address:** P.O. BOX 562  
AGAWAM, MA 01001-0562

**Contact:** MULLEN JAMES A, KK1W

**Phone:** (413)781-1650 X122 (D) (413)245-3228 (N)

**Web:** <http://www.hcra.org>

**E-mail:** [w1ny@arrl.net](mailto:w1ny@arrl.net)

**Name:** [BSA VENTURE CREW 510](#) (School/Youth)

**Specialties:** General Interest

**Call sign:** NE1C

**Services:** Help for newcomers, Entry-level classes, Higher-level classes, Other

**Address:** POB 562  
AGAWAM, MA 01001

**Contact:** PISE JOHN J, KX1X

**Phone:** (413)262-5249 (D) (413)262-5249 (N)

**Web:** <http://www.qsl.net/crewDX>

**E-mail:** [Crew510@hcra.org](mailto:Crew510@hcra.org)

**Name:** [HP/AGILENT ARC](#)

**Specialties:** General Interest

**Call sign:** W1HP

**Services:** None

**Address:** 40 SHATTUCK ROAD  
ANDOVER, MA 01810

**Contact:** BANKS LAWRENCE W, W1DYJ

**Phone:** (978)681-2471 **(D)**  
**Web:** <http://www.gsl.net/w1hp>  
**E-mail:** [larryb@alum.mit.edu](mailto:larryb@alum.mit.edu)

**Name:** [FRANKLIN COUNTY ARC, INC](#)  
**Specialties:** General Interest  
**Call sign:** KB1BSS  
**Services:** Help for newcomers, Entry-level classes, Other  
**Address:** POB 3172  
ASHFIELD, MA 01330-9757  
**Contact:** LEMPICKI GERALD W, KA1STZ  
**Phone:** (413)628-4447 **(D)** (413)628-4447 **(N)**  
**Web:** <http://www.fcarc.org>  
**E-mail:** [rlempicki@deerfield.edu](mailto:rlempicki@deerfield.edu)

**Name:** [MOHAWK ARC](#)  
**Specialties:** General Interest  
**Call sign:** N1WW  
**Services:** Help for newcomers, Entry-level classes, Higher-level classes, Other  
**Address:** POB 532  
ATHOL, MA 01331  
**Contact:** DOULD JOHN F, AE1B  
**Phone:** (978)249-5905 **(D)** (978)249-5905 **(N)**  
**E-mail:** [ae1b@hotmail.com](mailto:ae1b@hotmail.com)

**Name:** [MOHAWK CONTEST CLUB](#)  
**Specialties:** Contest/DX  
**Call sign:** WW1DX  
**Services:** Other  
**Address:** 22 S ATHOL RD  
ATHOL, MA 01331-2722  
**Contact:** DOULD JOHN F, AE1B  
**Phone:** (978)249-5905 **(D)**  
**E-mail:** [ae1b@hotmail.com](mailto:ae1b@hotmail.com)

**Name:** [YANKEE CLIPPER CONTEST CLUB](#) (Regional/National)  
**Specialties:** Contest/DX  
**Call sign:** AJ1I  
**Services:** Help for newcomers, Other  
**Address:** 30 CANAL STREET #1  
BLACKSTONE, MA 01504  
**Contact:** CHRIS TERKLA, N1XS  
**Phone:** (781)830-2436 **(D)** (508)883-6182 **(N)**  
**Web:** <http://www.yccc.org>  
**E-mail:** [cterkla@mindspring.com](mailto:cterkla@mindspring.com)

**Name:** [NORTHEASTERN UNIV RC](#) (School/Youth)  
**Specialties:** General Interest  
**Call sign:** W1KBN  
**Services:** Help for newcomers, Other  
**Address:** NU WIRELESS CLUB  
230 CURRY STUDENT CENTER  
360 HUNTINGTON AVE.  
BOSTON, MA 02115-5096  
**Contact:** GONCALVES DAVID P, N1XZB  
**Phone:** (617)373-3053 **(D)** (617)373-3053 **(N)**

**Web:** <http://piro.dnsg.org/>  
**E-mail:** [wireless@ece.neu.edu](mailto:wireless@ece.neu.edu)

**Name:** [BOSTON ARC \[SSC\]](#)  
**Specialties:** General Interest  
**Call sign:** W1BOS  
**Services:** Help for newcomers, Entry-level classes, RFI help, Other  
**Address:** POB 15585  
BOSTON, MA 02215-0011  
**Contact:** ASHLEY ARTHUR N, N1NHZ  
**Phone:** (617)661-2988 (D) (617)661-2988 (N)  
**Web:** <http://www.barc.org/>  
**E-mail:** [w1bos@arrl.net](mailto:w1bos@arrl.net)

**Name:** [MASSASOIT ARA INC](#)  
**Specialties:** General Interest  
**Call sign:** W1MV  
**Services:** Help for newcomers, Other  
**Address:** P.O. BOX 428  
BRIDGEWATER, MA 02324  
**Contact:** FOLLETT GILBERT M, W1GMF  
**Phone:** (781)857-1019 (D) (781)857-1019 (N)  
**Web:** <http://www.gsl.net/w1mv>  
**E-mail:** [w1mv@gsl.net](mailto:w1mv@gsl.net)

**Name:** [WHITMAN ARC](#)  
**Specialties:** General Interest  
**Call sign:** WA1NPO  
**Services:** Help for newcomers, Other  
**Address:** 51 CLOVER DR  
BRIDGEWATER, MA 02324-1752  
**Contact:** ROY LOGAN - SECRETARY, KB1CYV  
**Phone:** (617)447-1655 (D) (617)447-1655 (N)  
**Web:** <http://www.gsl.net/wa1npo>

**Name:** [QUANNAPOWITT RADIO ASSOCIATION \[SSC\]](#)  
**Specialties:** General Interest  
**Call sign:** W1EKT  
**Services:** Help for newcomers, Entry-level classes, Higher-level classes, Other  
**Address:** 6 SAVIN ST.  
BURLINGTON, MA 01803  
**Contact:** ROBERT C REISER, AA1M  
**Phone:** (781)272-6219 (D) (781)272-6219 (N)  
**Web:** <http://www.rioux.org/QRA>  
**E-mail:** [aa1m@rcn.com](mailto:aa1m@rcn.com)

**Name:** [HARVARD WIRELESS](#) (School/Youth)  
**Specialties:** General Interest  
**Call sign:** W1AF  
**Services:** Help for newcomers, Entry-level classes, Other  
**Address:** ATTN: TIM MCBRIDE  
6 LINDEN ST  
CAMBRIDGE, MA 02138-5005  
**Contact:** MANAFO MICHAEL J, K3UOC  
**Phone:** (617)876-4131 (D)

**Web:** <http://www.hcs.harvard.edu/~w1af>  
**E-mail:** [w1af@harvard.edu](mailto:w1af@harvard.edu)

**Name:** [COUNCIL OF EASTERN MA ARC'S \(CEMARC\)](#) (Club Council)

**Services:** None

**Address:** 84 1/2 KINNAIRD ST  
CAMBRIDGE, MA 02139-3153

**Contact:** FRANK MURPHY -N1DHW- DIRECTOR, N1DHW

**Phone:** (617)491-8451 (D) (617)491-8451 (N)

**Web:** <http://www.qsl.net/cemarc>

**E-mail:** [n1dhw@mediaone.net](mailto:n1dhw@mediaone.net)

**Name:** [BILLERICA ARS](#)

**Specialties:** General Interest

**Services:** Help for newcomers, Entry-level classes, Other

**Address:** 85 HIGH STREET  
CHELMSFORD, MA 01824

**Contact:** WEDGE STEPHEN E, W1ES

**Phone:** (781)999-7310 (D)

**Web:** <http://www.chelmsford.com/bars>

**E-mail:** [w1es@prospeed.net](mailto:w1es@prospeed.net)

**Name:** [SOUTHEASTERN MASS ARA](#)

**Specialties:** General Interest

**Call sign:** W1AEC

**Services:** Help for newcomers, Entry-level classes, RFI help, Other

**Address:** 54 DONALD STREET  
DARTMOUTH, MA 02748

**Contact:** ARRUDA RAYMOND A, KB1EVX

**Phone:** (508)998-3958 (D) (508)998-3958 (N)

**Web:** <http://www.semara.org>

**E-mail:** [w1aec@arri.net](mailto:w1aec@arri.net)

**Name:** [SOUTH SHORE ARC](#)

**Specialties:** General Interest

**Call sign:** WA1GHL

**Services:** Help for newcomers

**Address:** WILLIAM MORGAN WA1GHL PRES  
25 HELENA RD  
DORCHESTER, MA 02122

**Contact:** WILLIAM H. MORGAN, WA1GHL

**Phone:** (617)288-6906 (D)

**Name:** [MYSTIC VALLEY AMATEUR GROUP](#)

**Specialties:** General Interest

**Call sign:** N1MV

**Services:** Help for newcomers, Entry-level classes, RFI help, Other

**Address:** 496 ASHMONT STREET  
DORCHESTER, MA 02122

**Contact:** RICHARDSON PRISCILLA A, N1VQY

**Phone:** (617)436-8066 (D) (617)436-8066 (N)

**Web:** <http://qsl.net/mvarg>

**E-mail:** [n1mv@arri.net](mailto:n1mv@arri.net)

**Name:** [FALMOUTH ARA INC](#)

**Specialties:** General Interest

**Call sign:** K1RK

**Services:** Help for newcomers, Entry-level classes, Higher-level classes, RFI help, Other

**Address:** 29 HIAWATHA ST  
EAST FALMOUTH, MA 02536-7371

**Contact:** JOANNE W. REID, N1LNE

**Phone:** (508)548-1121 (D) (508)548-1121 (N)

**Web:** <http://www.falara.org>

**E-mail:** [n1lne@gis.net](mailto:n1lne@gis.net)

**Name:** [NORFOLK COUNTY RADIO ASSN](#)

**Specialties:** General Interest

**Call sign:** W1AGR

**Services:** None

**Address:** 101 UNION ST  
EAST WALPOLE, MA 02032-1023

**Contact:** KIESLING JR., PAUL W, W1SYC

**Phone:** (508)668-3158 (D) (508)668-3158 (N)

**E-mail:** [w1agr@aol.com](mailto:w1agr@aol.com)

**Name:** [BRISTOL COUNTY REPEATER ASSOCIATION](#)

**Specialties:** General Interest

**Call sign:** W1ACT

**Services:** Help for newcomers, Entry-level classes, RFI help, Other

**Address:** P.O. BOX 893  
FALL RIVER, MA 02722-0893

**Contact:** SMITH CHRIS J, K1CJS

**Phone:** (508)324-6230 (N)

**Web:** <http://www.qsl.net/bcra>

**E-mail:** [chrisjsmith@netzero.net](mailto:chrisjsmith@netzero.net)

**Name:** [FRAMINGHAM AMATEUR RADIO ASSN](#) [SSC]

**Specialties:** General Interest

**Call sign:** W1FY

**Services:** Help for newcomers, Entry-level classes, RFI help, Other

**Address:** P.O. BOX 3005  
FRAMINGHAM, MA 01705-3005

**Contact:** HESS ROBERT P, W1RH

**Phone:** (508)879-8097 (D)

**Web:** <http://www.fara.org>

**E-mail:** [w1fy@arrl.net](mailto:w1fy@arrl.net)

**Name:** [CAPE ANN ARA](#)

**Specialties:** General Interest

**Call sign:** W1GLO

**Services:** Help for newcomers, Entry-level classes, RFI help, Other

**Address:** P.O. BOX 1144  
GLOUCESTER, MA 01931-1144

**Contact:** CANTY, WILLIAM J., W1OKD

**Phone:** (978)526-7581 (D) (978)526-7581 (N)

**Web:** <http://caara.net>

**E-mail:** [wjcanty@ziplink.net](mailto:wjcanty@ziplink.net)

**Name:** [PENTUCKET RADIO ASSOCIATION](#)

**Specialties:** General Interest

**Call sign:** K1KKM

**Services:** Help for newcomers, Higher-level classes, RFI help, Other

**Address:** 25 ELM PARK  
GROVELAND, MA 01834  
**Contact:** DAVE ROBERTSON, KD1NA  
**Phone:** (978)373-7304 FAX (D)  
**Web:** <http://www.k1kkm.org>

**Name:** [GENESIS ARS INC](#)  
**Specialties:** General Interest  
**Call sign:** N1ZIZ  
**Services:** Help for newcomers, Entry-level classes, Higher-level classes, Other  
**Address:** PO BOX 257  
HUMAROCK, MA 02047  
**Contact:** VANDERSTREET LOUIS C, N1WNT  
**Phone:** (781)837-6651 (N)  
**Web:** <http://www.capecod.net/~wb1fla/>  
**E-mail:** [wb1fla@capecod.net](mailto:wb1fla@capecod.net)

**Name:** [BARNSTABLE AMATEUR RADIO CLUB](#)  
**Specialties:** General Interest  
**Call sign:** K1PBO  
**Services:** Help for newcomers, Other  
**Address:** PO BOX 1204  
HYANNIS, MA 02601  
**Contact:** O'LAUGHLIN FRANCIS M, WQ1O  
**Phone:** (508)790-3674 (D) (508)790-3674 (N)  
**Web:** <http://www.gis.net/~wa1kcc>  
**E-mail:** [wa1kcc@attbi.com](mailto:wa1kcc@attbi.com)

**Name:** [NORTH EAST WEAK SIGNAL GROUP](#) (Regional/National)  
**Specialties:** Contest  
**Call sign:** W1RJA  
**Services:** Help for newcomers, Other  
**Address:** 25 HILLCROFT RD  
JAMAICA PLAIN, MA 02130  
**Contact:** JONES GEORGE B, N1GJ  
**Phone:** (617)440-2164 (D) (617)562-3137 (N)  
**Web:** <http://www.huavax.hartford.edu/~newsvhf>

**Name:** [MARCONI RADIO CLUB](#)  
**Specialties:** General Interest  
**Call sign:** W1AA  
**Services:** Help for newcomers  
**Address:** ROBERT J DOHERTY K1VV PRES  
153 COUNTY ST #1193  
LAKEVILLE, MA 02347  
**Contact:** ROBERT J DOHERTY, K1VV  
**Phone:** (508)947-8349 (D) (508)947-8349 (N)  
**Web:** <http://personal.tmlp.com/k1vv/w1aa>  
**E-mail:** [k1vv@tmlp.com](mailto:k1vv@tmlp.com)

**Name:** [WALTHAM ARA](#)  
**Specialties:** General Interest  
**Call sign:** W1MHL  
**Services:** Help for newcomers, RFI help, Other  
**Address:** 76 BEDFORD RD  
LINCOLN, MA 01773-2029

**Contact:** DONOVAN ANDREW E, WA1GEP  
**Phone:** (617)893-6800 **(D)** (617)259-0416 **(N)**  
**Web:** <http://www.wara64.org>  
**E-mail:** [wa1gep@amsat.org](mailto:wa1gep@amsat.org)

**Name:** [FEDERATION OF EASTERN MA ARA](#) (Club Council)  
**Services:** Other  
**Address:** EUGENE H HASTINGS W1VRK SCTR  
18 CHURCHILL RD  
MARBLEHEAD, MA 01945-1213  
**Contact:** EUGENE H HASTINGS, W1VRK  
**Phone:** (617)631-7388 **(D)** (617)631-7388 **(N)**  
**Web:** <http://www.boxboro.org>  
**E-mail:** [w1vrk@shore.net](mailto:w1vrk@shore.net)

**Name:** [ALGONQUIN ARC](#)  
**Specialties:** General Interest  
**Services:** Help for newcomers, Entry-level classes, Other  
**Address:** PO BOX 258  
MARLBOROUGH, MA 01752-0258  
**Contact:** KEN CHILTON, KA1TIH  
**Web:** <http://www.n1em.org>

**Name:** [ACTON-BOXBORO ARC](#)  
**Specialties:** General Interest  
**Call sign:** W1ABR  
**Services:** Help for newcomers, Entry-level classes, Other  
**Address:** 9 NICK LN  
MAYNARD, MA 01754-1011  
**Contact:** PARTAIN CHUCK, KA1MWP  
**Phone:** (508)770-3496 **(D)** (978)897-5386 **(N)**  
**Web:** <http://ultranet.com/~ka1mwp>

**Name:** [WELLESLEY ARS](#)  
**Specialties:** General Interest  
**Call sign:** W1TKZ  
**Services:** Help for newcomers, Entry-level classes, Other  
**Address:** 34 FELCH RD  
NATICK, MA 01760-1202  
**Contact:** BROWN DAN, W1DAN  
**Phone:** (508)653-3543 **(D)** (508)653-3543 **(N)**  
**Web:** <http://www.krl.com/wars/>  
**E-mail:** [dbrown@boston.cbs.com](mailto:dbrown@boston.cbs.com)

**Name:** [NATICK HIGH SCHOOL RADIO CLUB](#) (School/Youth)  
**Specialties:** General Interest  
**Call sign:** K1NHS  
**Services:** Other  
**Address:** 15 WEST ST  
NATICK, MA 01760-4396  
**Contact:** GERALD E ASH, ADVISOR/TRUSTEE, N1DGC  
**Phone:** (508)647-6626 **(D)** (508)650-3966 **(N)**  
**E-mail:** [trombone@massed.net](mailto:trombone@massed.net)

**Name:** [NEEDHAM ARA](#)  
**Specialties:** General Interest

**Services:** Help for newcomers  
**Address:** 277 WARREN ST  
NEEDHAM, MA 02492  
**Contact:** JOHN LOGAN, N1TPU  
**Phone:** (781)444-0485 (D) (781)444-0485 (N)  
**E-mail:** [n1tpu@aol.com](mailto:n1tpu@aol.com)

**Name:** [CAPEWAY RADIO CLUB OF MA](#)  
**Specialties:** General Interest  
**Call sign:** W1ZST  
**Services:** Help for newcomers, Other  
**Address:** 62 CALDWELL ST  
NORTH WEYMOUTH, MA 02191-2129  
**Contact:** WITT RAYMOND, WA1OWQ  
**Phone:** (781)335-4234 (D) (781)335-4234 (N)

**Name:** [STURDY MEMORIAL HOSPITAL ARC](#)  
**Specialties:** General Interest  
**Call sign:** W1SMH  
**Services:** Help for newcomers, Entry-level classes, RFI help, Other  
**Address:** 316 S WORCESTER ST  
NORTON, MA 02766  
**Contact:** RAY CORD, K2TGX  
**Phone:** (508)668-3200 208 (D) (508)285-4059 (N)  
**Web:** <http://www.w1smh.com>

**Name:** [NORWOOD ARC \[SSC\]](#)  
**Specialties:** General Interest  
**Call sign:** K1JMR  
**Services:** Help for newcomers, Entry-level classes, Higher-level classes, Other  
**Address:** P.O. BOX 163  
NORWOOD, MA 02062  
**Contact:** DEVINE BARRY F, K1BFD  
**Phone:** (781)744-8620 (D) (781)828-4269 (N)  
**Web:** <http://www.norwood-arc.org>  
**E-mail:** [k1bfd@norwood-ara.org](mailto:k1bfd@norwood-ara.org)

**Name:** [NORTH SHORE RADIO ASSOCIATION](#)  
**Specialties:** General Interest  
**Call sign:** KB1CDG  
**Services:** Help for newcomers, Entry-level classes, Other  
**Address:** PO BOX 3724  
PEABODY, MA 01961-3724  
**Contact:** ERIC N HORWITZ, KA1NCF  
**Phone:** (978)525-3936 (D) (978)525-3936 (N)  
**Web:** <http://www.nsradio.org>  
**E-mail:** [kb1cdg@nsradio.org](mailto:kb1cdg@nsradio.org)

**Name:** [NASHOBA VALLEY ARC \[SSC\]](#)  
**Specialties:** General Interest  
**Call sign:** N1NC  
**Services:** Help for newcomers, Entry-level classes, Other  
**Address:** PO BOX 900  
PEPPERELL, MA 01463-0900  
**Contact:** PIIP ERIK A, KA1RV

**Phone:** (978)448-5536 **(D)** (978)448-5536 **(N)**  
**E-mail:** [nvarc\\_n1nc@arrl.net](mailto:nvarc_n1nc@arrl.net)

**Name:** [WOMEN RADIO OPERATORS OF NEW ENGLAND](#) (Regional/National)

**Specialties:** General Interest

**Services:** Help for newcomers

**Address:** PO BOX 6265  
PLYMOUTH, MA 02362-6265

**Contact:** HARRIMAN SAMANTHA J, N1MJJ

**Phone:** (781)681-5317 **(D)** (508)747-8198 **(N)**

**E-mail:** [n1mjj@juno.com](mailto:n1mjj@juno.com)

**Name:** [PATRIOT DX ASSOCIATION](#)

**Specialties:** DX

**Services:** Help for newcomers

**Address:** P O BOX 8  
PRIDES CROSSING, MA 01965

**Contact:** COLE MELROSE R, WZ1Q

**Phone:** (978)927-1953 **(D)** (978)927-1953 **(N)**

**E-mail:** [mel@shore.net](mailto:mel@shore.net)

**Name:** [PILGRIM ARC](#)

**Specialties:** Repeater

**Call sign:** WA1YFV

**Services:** Help for newcomers, RFI help, Other

**Address:** PO BOX 947  
PROVINCETOWN, MA 02657-0947

**Contact:** CHADDOCK EARLE H, WA1KZT

**Phone:** (508)487-9372 **(D)** (508)487-9372 **(N)**

**Web:** <http://people.ne.mediaone.net/w1py/PILGRIM-ARC.htm>

**E-mail:** [earflo@mediaone.net](mailto:earflo@mediaone.net)

**Name:** [THE ZL SPECIALS](#)

**Specialties:** Contest

**Call sign:** K1ZL

**Services:** None

**Address:** 52 CORNELL ST  
ROSLINDALE, MA 02131

**Contact:** BRUCE T MARSHALL, K1AJ

**Name:** [YOUNG AMATEUR RADIO OPERATORS](#)

**Specialties:** General Interest

**Call sign:** KB1EGF

**Services:** Help for newcomers, Other

**Address:** 148 MARNOCH DR  
SEEKONK, MA 02771-3811

**Contact:** SALVATORE JAMES R, KB1EGF

**Phone:** (508)336-7782 **(D)**

**Web:** <http://www.gsl.net/yaroc>

**E-mail:** [kb1eqf@hotmail.com](mailto:kb1eqf@hotmail.com)

**Name:** [MOUNT TOM AMATEUR REPEATER ASSN](#)

**Specialties:** General Interest

**Call sign:** W1TOM

**Services:** Help for newcomers, Entry-level classes, Higher-level classes, RFI help, Other

**Address:** POB 3494

SPRINGFIELD, MA 01101-3494  
**Contact:** WALTER J. NERO, WA1HHN  
**Phone:** (413)567-5766 (N)  
**Web:** <http://www.mtara.org/>  
**E-mail:** [w1tom@mtara.org](mailto:w1tom@mtara.org)

**Name:** [MINUTEMAN REPEATER ASSN](#)  
**Specialties:** General Interest  
**Services:** Help for newcomers, RFI help, Other  
**Address:** P.O. BOX 669  
STOW, MA 01775-0669  
**Contact:** MINUTEMAN REPEATER ASSOCIATION, W1MRA  
**Web:** <http://www.mmra.org/>  
**E-mail:** [mmra@mmra.org](mailto:mmra@mmra.org)

**Name:** [MITRE BEDFORD ARC](#)  
**Specialties:** General Interest  
**Call sign:** W1ON  
**Services:** Entry-level classes, Higher-level classes, Other  
**Address:** 735 WHIPPLE RD  
TEWKSBURY, MA 01876  
**Contact:** PLASSE RICHARD F, K1HN  
**Phone:** (781)271-3162 (D)  
**E-mail:** [w1on@arrl.net](mailto:w1on@arrl.net)

**Name:** [QUABBIN WIRELESS ASSOCIATION](#)  
**Specialties:** General Interest  
**Call sign:** N1NJ  
**Services:** Help for newcomers, Entry-level classes, Higher-level classes, Other  
**Address:** 22 SHERWIN ST  
WARE, MA 01082-1020  
**Contact:** NAGLIERI TONY, N1NJ  
**Phone:** (413)967-7426 (D)  
**E-mail:** [n1nj@samnet.net](mailto:n1nj@samnet.net)

**Name:** [QUABOAG VALLEY ARC](#)  
**Specialties:** General Interest  
**Call sign:** K1UJT  
**Services:** Help for newcomers, Entry-level classes, Higher-level classes, RFI help, Other  
**Address:** Q.V.A.R.C. C/O DOC, K1JNT  
1 LIBERTY STREET  
WARREN, MA 01083  
**Contact:** MATTHEW PENTTILA, N1RWC  
**Web:** <http://N/A>

**Name:** [POLICE AR TEAM OF WESTFORD MA \[SSC\]](#)  
**Specialties:** General Interest  
**Call sign:** WB1GOF  
**Services:** Help for newcomers, Entry-level classes, RFI help, Other  
**Address:** POB 503  
WESTFORD, MA 01886-0503  
**Contact:** TERRY M STADER, KA8SCP  
**Phone:** (508)303-4370 (D) (978)692-2069 (N)  
**Web:** <http://www.wb1gof.org>  
**E-mail:** [info@wb1gof.org](mailto:info@wb1gof.org)

**Name:** [WORCESTER POLYTECHNIC INST WRL](#) (School/Youth)

**Specialties:** General Interest

**Call sign:** W1YK

**Services:** Help for newcomers, Entry-level classes, Higher-level classes, Other

**Address:** C/O STUDENT ACTIVITIES OFFICE

100 INSTITUTE ROAD

WORCESTER, MA 01609-2280

**Contact:** ROBERTS BRIAN G, KB3AWM

**Phone:** (508)831-5446 **(D)** (508)831-5446 **(N)**

**Web:** <http://www.wpi.edu/~wpiwa>

**E-mail:** [w1yk@arri.net](mailto:w1yk@arri.net)

**Name:** [CENTRAL MASSACHUSETTS ARA INC](#)

**Specialties:** General Interest

**Call sign:** W1BIM

**Services:** Help for newcomers, Entry-level classes, RFI help, Other

**Address:** P.O. BOX 60411

WORCESTER, MA 01606

**Contact:** RIZZO LAWRENCE F, KS1B

**Phone:** (508)885-5848 **(D)** (508)885-5848 **(N)**

**Web:** <http://www.cmara.org/>

**E-mail:** [rizzo@mail.com](mailto:rizzo@mail.com)

## Contact Information

**Massachusetts Emergency Management Agency: main (508) 820-2000,  
RACES Hotline 508-820-1428**

### **State RACES Radio Officer:**

**Tom Kinahan N1CPE**  
30 Salem End Road 18A  
Framingham, MA 01701

**(H): (508) 879-9192**

**Pager Alpha: 800-250-632 pin  
5083870336**

**Pager Numeric: 508-387-0336**

**Cell: 508-740-9053**

**FAX: 208-978-9027**

**MEMA HQ main #: (508) 820-2000**

**RACES Hotline (508) 820-1428**

**Email: [n1cpe@amsat.org](mailto:n1cpe@amsat.org)**

### **RACES Radio Operators**

**Dennis Brothers KE6DPL**  
253 Goodman's Hill Road  
Sudbury, MA 01776

**(H): 978-443-8892**

**(W): 781-938-4442**

**Cell: 508-735-4391**

**Email: [dennis@bros.com](mailto:dennis@bros.com)**

**Karen Brothers K1KEB**  
253 Goodman's Hill Road  
Sudbury, MA 01776

**(H): 978-443-8892**

**(W): 781-938-4442 (work)**

**Cell: 508-735-0074 (cell)**

**Email: [karen@bros.com](mailto:karen@bros.com)**

### **Relief Operators**

**Peter Simpson KA1AXY**  
**Bob Hess W1RH**

**BILL RICKER N1VUX**  
226 Westville Street  
Dorchester, MA 02122

**(W): (617) 563-0648**

**(H): (617) 265-2567**

**Cellular: (617) 347-5360**

**Pager: 800-759-8888 Pin 1141547**

**Home Email: [wdr@world.std.com](mailto:wdr@world.std.com)**

**Work Email: [william.ricker@fmr.com](mailto:william.ricker@fmr.com)**

**Steve Schwarm W3EVE**

30 Hayden Woods  
Wrentham, Ma. 02093

**(H): (508)384-7697**

**(W): (508)305-8919**

**Pager: 1-888-598-9735**

**Email: [w3eve@amsat.org](mailto:w3eve@amsat.org)**

**Region I Communications/RACES Radio Officer**

**TERRY STADER (KA8SCP) DEC/RO**

2A Old Colony Drive

Westford, MA 01886

Email: [ka8scp@arrl.net](mailto:ka8scp@arrl.net)

(W): (508) 303-4370

(W/FAX) (508) 481-9772

(H/Voice): (978) 692-2069

Pager: 1-800-372-6944

Cell: 508-398-4142

**REGION II RACES Radio Officer**

**BOB MIMS, Sr. (WA1OEZ) DEC/RO**

189 Powderhorn Drive

Taunton, MA 02780

Email: [wa1oez@arrl.net](mailto:wa1oez@arrl.net)

(W): (508) 285-4587 (until 3:30 PM)

(H): (508) 823-7443 (Taunton)

(Cell) 508-243-9683

MEMA Region II Phone:

(508) 697-3600

MEMA Region II Comm. Room

Phone: (508) 279-1028

**REGION 3 RACES Radio Officer**

**Steve Rodowicz N1SR**

Email: [Srodowic@ix.netcom.com](mailto:Srodowic@ix.netcom.com)

(H) 413-593-6554

(W) 413-586-2330 x2388

Pager: 508-426-6417 Numeric only

**REGION 4 South RACES Coordinator**

**Jim Sniffen K1RMS**

4 Langevin St 10

Spencer, MA 01562

(H) 508-885-6180

(P) 508-806-2954

Email: [k1rms@charter.net](mailto:k1rms@charter.net)

**REGION 4 North RACES Coordinator**

**Open**

## Eastern Massachusetts ARES Section Emergency Coordinator

### Michael P. Neilsen W1MPN

5 Otsego Dr.  
Hudson, Ma. 01749-3127

(Eve): 978-662-5653  
(Day): 978-562-5662  
(Mobile) 508-740-0785  
Pager: 1-800-759-8888 Pin  
1155084#, Data: 1-800-679-2778 Pin  
1155084  
1155084@skytel.com  
Email: [w1mpn@neilsen.net](mailto:w1mpn@neilsen.net)  
[w1mpn@arri.net](mailto:w1mpn@arri.net)

### SKYWARN coordinator (Also South Shore – Bristol County DEC)

#### ROBERT MACEDO (KD1CY) DEC

50 Mandell Street

New Bedford, MA 02740

Home Email: [rmacedo@ma.rcn.com](mailto:rmacedo@ma.rcn.com)

Work Email: [macedo.robert@emc.com](mailto:macedo.robert@emc.com)

(H): (508) 994-1875  
(W): 1-800-445-2588 x:72929 (508)  
435-1000 Ext.: 72929  
Primary Pager: (508) 354-3142  
Cell: (508) 259-9213.  
(H/Data) (508) 997-4503

### Acting Norfolk County DEC

#### Steve Schwarm W3EVE

30 Hayden Woods  
Wrentham, Ma. 02093

(H): (508)384-7697  
(W): (508)305-8919  
Pager: 1-888-598-9735  
Email: [w3eve@amsat.org](mailto:w3eve@amsat.org)

### Middlesex County DEC

#### Steve Telsey N1BDA

40 PINE ST  
CONCORD, MA 01742

Home: 978-369-7366  
Work: 781-515-7136  
Cell: 978-505-7009  
Text messages: [n1bda@vtext.com](mailto:n1bda@vtext.com)  
Home mail: [n1bda@arri.net](mailto:n1bda@arri.net)  
Work email: [stelsey@rsasecurity.com](mailto:stelsey@rsasecurity.com)

**Cape Cod and Islands DEC  
Frank O’Laughlin WQ1O  
PO BOX 233  
MARSTONS MILLS, MA 02648**

**Metro Boston Area DEC (within 128)  
Mark Duff KB1EKN  
37 Bradley Park Dr  
Hingham, MA 02043**

**Work: 781.741.1416  
Home: 781.749.7664/0028  
Mobile: 781.589.4357  
Other: 781.749.2424 Have paged  
E-Mail: [emgmt@attbi.com](mailto:emgmt@attbi.com)**

**Other members of Eastern Massachusetts SEC Staff**

**Roger Turner (W1ZSA) (EC; Walpole EMA) (H): (508) 668-2237**

PO Box: 305  
Walpole, MA 02081-0305

**Pager: (508) 488-8639  
Email: [rfturner@juno.com](mailto:rfturner@juno.com) and  
[rfturner@galaxy.net](mailto:rfturner@galaxy.net)**

**Western Massachusetts Section Emergency Coordinator**

**Dennis Zonia K1VSG  
27 Tanner Road  
Webster, Ma. 01570-2124**

**(H) 508-987-5827  
(w) 508-943-0540 x717  
Pager: 508-722-9688 Arch – pin  
8128528  
Fax: 508-987-0240  
Email: [K1vsg@juno.com](mailto:K1vsg@juno.com)**

**ARES Emergency Coordinator  
Hampden County**

**Thomas Doyle N1MUV  
4 Maplewood Dr.  
Wilbraham, Mass 01095**

**Home: 413-596-6870**

**ARES Assistant Emergency  
Coordinator  
Hampden County West**

**Charles Dunlap Jr. K111**  
66 Vining Hill Rd.  
Southwick, Ma. 01077

**Home: 413-569-5988**

## **Air Force MARS**

### **Air Force MARS Emergency Coordinator – Massachusetts**

**Dan O'Brien N1IVT/AFA1DS**

16 Meggison Lane  
Holyoke Ma. 01040.

**Phone: (413)536-9212**

or: 413-533-4317 <<ring 10 times<<

Email: afa1ds@earthlink.net

### **Assistant AF MARS State Director**

**Bob Bohn, K1PQR**

126 Woodlawn Street  
Springfield, Ma. 01108

**Phone: (413)788-6206**

Email: usafmars@rcn.com

## **Navy/Marine Corps MARS**

### **Bob Veth WA1VIE/NNN0FCC/NNN0GAX**

**State Director**

4 Lantern Lane  
Chelmsford MA 01824

978-256-9391 (H)

978-729-6180 (Cell)

888-907-9282 (Pager)

[9079282@skytel.com](mailto:9079282@skytel.com)

### **Rusty Hemenway K1GGS/NNN0FJK/NNN0GAX TWO**

**Emergency Coordinator**

14 Warwick Rd  
Belmont, Ma 02478  
[rhemem@verizon.net](mailto:rhemem@verizon.net)  
[nnn0fjk@navymars.org](mailto:nnn0fjk@navymars.org)

Home: 617-484-5174

Cell: 617-549-7004

SMS: [617-549-7004@myvzw.com](sms:617-549-7004@myvzw.com)

## **Army MARS**

### **Bob Mims Sr. WA1O EZ/AAT1BX/AAM1EMA**

**Emergency Coordinator**

189 Powderhorn Drive  
Taunton, Ma, 02780  
wa1oez@arri.net

Work: 508-285-4587 (until 3:30pm)

Home: 508-823-7443

Cell: 508-243-9683

# Appendix A – RACES Rules and Regulations

[Code of Federal Regulations]  
[Title 47, Volume 5, Parts 80 to End]  
[Revised as of October 1, 2000]  
From the U.S. Government Printing Office via GPO Access  
[CITE: 47CFR97.407]

## TITLE 47--TELECOMMUNICATION

### COMMISSION (CONTINUED)

#### PART 97--AMATEUR RADIO SERVICE--Table of Contents

##### Subpart E--Providing Emergency Communications

#### Sec. 97.407 Radio amateur civil emergency service.

(a) No station may transmit in RACES unless it is an FCC-licensed primary, club, or military recreation station and it is certified by a civil defense organization as registered with that organization, or it is an FCC-licensed RACES station. No person may be the control operator of a RACES station, or may be the control operator of an amateur station transmitting in RACES unless that person holds a FCC-issued amateur operator license and is certified by a civil defense organization as enrolled in that organization.

(b) The frequency bands and segments and emissions authorized to the control operator are available to stations transmitting communications in RACES on a shared basis with the amateur service. In the event of an emergency which necessitates the invoking of the President's War Emergency Powers under the provisions of Section 706 of the Communications Act of 1934, as amended, 47 U.S.C. 606, RACES stations and amateur stations participating in RACES may only transmit on the following frequency segments:

(1) The 1800-1825 KHz, 1975-2000 KHz, 3.50-3.55 MHz, 3.93-3.98 MHz, 3.984-4.000 MHz, 7.079-7.125 MHz, 7.245-7.255 MHz, 10.10-10.15 MHz, 14.047-14.053 MHz, 14.22-14.23 MHz, 14.331-14.350 MHz, 21.047-21.053 MHz, 21.228-21.267 MHz, 28.55-28.75 MHz, 29.237-29.273 MHz, 29.45-29.65 MHz, 50.35-50.75 MHz, 52-54 MHz, 144.50-145.71 MHz, 146-148 MHz, 2390-2450 MHz segments;

(2) The 1.25 m, 70 cm and 23 cm bands; and

(3) The channels at 3.997 MHz and 53.30 MHz may be used in emergency areas when required to make initial contact with a military unit and for communications with military stations on matters requiring coordination.

(c) A RACES station may only communicate with:

(1) Another RACES station;

(2) An amateur station registered with a civil defense organization;

(3) A United States Government station authorized by the responsible agency to communicate with RACES stations;

(4) A station in a service regulated by the FCC whenever such communication is authorized by the FCC.

(d) An amateur station registered with a civil defense organization may only communicate with:

(1) A RACES station licensed to the civil defense organization with which the amateur station is registered;

(2) The following stations upon authorization of the responsible civil defense official for the organization with which the amateur station is registered:

(i) A RACES station licensed to another civil defense organization;

(ii) An amateur station registered with the same or another civil defense organization;

(iii) A United States Government station authorized by the responsible agency to communicate with RACES stations; and

(iv) A station in a service regulated by the FCC whenever such communication is authorized by the FCC.

(e) All communications transmitted in RACES must be specifically authorized by the civil defense organization for the area served. Only civil defense communications of the following types may be transmitted:

(1) Messages concerning impending or actual conditions jeopardizing the public safety, or affecting the national defense or security during periods of local, regional, or national civil emergencies;

(2) Messages directly concerning the immediate safety of life of individuals, the immediate protection of property, maintenance of law and order, alleviation of human suffering and need, and the combating of armed attack or sabotage;

(3) Messages directly concerning the accumulation and dissemination of public information or instructions to the civilian population essential to the activities of the civil defense organization or other authorized governmental or relief agencies; and

(4) Communications for RACES training drills and tests necessary to ensure the establishment and maintenance of orderly and efficient operation of the RACES as ordered by the responsible civil defense organization served. Such drills and tests may not exceed a total time of 1 hour per week. With the approval of the chief officer for emergency planning in the applicable State, Commonwealth, District or territory, however, such tests and drills may be conducted for a period not to exceed 72 hours no more than twice in any calendar year.

[54 FR 25857, June 20, 1989, as amended at 65 FR 6550, Feb. 10, 2000]

## Appendix B – RACES Callsigns for MEMA Facilities

WC1MAA – Region 1 Tewksbury  
WC1MAB – Region 2 Bridgewater  
WC1MAC – Region 3 Belchertown  
WC1MAD – Region 4 Westboro  
WC1MA – MEMA Headquarters – Framingham

## Appendix C – Callsigns of interest

National Weather Service Taunton – WX1BOX  
MEMA Headquarters APRS station – WC1MA-2

Main Eastern Massachusetts APRS WIDE Digipeater – N1QPR-2  
Main Western Massachusetts APRS WIDE Digipeater – W1TOM-15  
Boston APRS Wide Digipeater – W1KRU-2  
WE1CT – Worcester EOC  
K1OEM – Pittsfield EOC  
KB1CDL – Southwick EOC  
KB1ERQ – VA Hospital – Northampton, Ma.  
WC1PLV – Plainville EOC

We recommend that communities that wish a distinctive callsign for their EOC apply for a club callsign and then use the vanity callsign program to request a callsign of the format: WC1 followed by a 3 letter abbreviation indicating the community name. All costs incurred must be funded locally.

Appendix D - Example RACES Radio Officer Appointment Form

**RADIO AMATEUR CIVIL EMERGENCY SERVICE (RACES)  
RADIO OFFICER APPOINTMENT FORM**

Community of \_\_\_\_\_, Massachusetts

I, \_\_\_\_\_, appoint the following individual a Radio Amateur Civil Emergency Service (RACES) Radio Officer. In addition, this individual is also enrolled as a member of our Emergency Management Agency of this community.

Amateur Radio Call Sign: \_\_\_\_\_

Name: \_\_\_\_\_

Street Address: \_\_\_\_\_

Mailing Address: \_\_\_\_\_

Town State Zip: \_\_\_\_\_

Home Telephone #: \_\_\_\_\_

Work Telephone #: \_\_\_\_\_

Pager #(If Applicable): \_\_\_\_\_

PIN #: \_\_\_\_\_

Email Address(If Applicable): \_\_\_\_\_

Appointment Expiration: \_\_\_\_\_

\_\_\_\_\_ Date: \_\_\_\_\_

**Emergency Management Director**

PLEASE SEND ORIGINAL COPY TO:  
MEMA - RACES COORDINATOR  
400 Worcester Rd.  
FRAMINGHAM, MA 01701  
Or Fax: (508) 875-2517  
For Additional Information Call RACES at (508) 820-1428

Appendix E - Example RACES Radio Operator Appointment Form

**RADIO AMATEUR CIVIL EMERGENCY SERVICE (RACES)  
RADIO OPERATOR APPOINTMENT FORM**

Community of \_\_\_\_\_, Massachusetts

I, \_\_\_\_\_, appoint the following individual a Radio Amateur Civil Emergency Service (RACES) Radio Operator. In addition, this Individual is also enrolled as a member of our Emergency Management Agency of this community.

Amateur Radio Call Sign: \_\_\_\_\_

Name: \_\_\_\_\_

Street Address: \_\_\_\_\_

Mailing Address: \_\_\_\_\_

Town State Zip: \_\_\_\_\_

Home Telephone #: \_\_\_\_\_

Work Telephone #: \_\_\_\_\_

Pager #(If Applicable): \_\_\_\_\_

PIN #: \_\_\_\_\_

Email Address(If Applicable): \_\_\_\_\_

Appointment Expiration: \_\_\_\_\_

\_\_\_\_\_ Date: \_\_\_\_\_

**Emergency Management Director**

PLEASE SEND ORIGINAL COPY TO:  
MEMA - RACES COORDINATOR  
400 Worcester Rd.  
FRAMINGHAM, MA 01701  
Or Fax: (508) 875-2517  
For Additional Information Call RACES at (508) 820-1428