

# BAA Boston Marathon Amateur Radio Communications

## FINISH

### Communications Plan



*Presented by the BAA Communications Steering Committee*

*Amateur Radio Leadership Team*

*2015*

## History

Date	Version	Description
Mar. 3, 2015	1.0	Released
Mar. 24, 2015	1.1	Added table of contents with page numbers
Mar. 27, 2015	1.2	Added commercial radio channel plan.
Mar. 30, 2015	1.3	Re-wrote introduction. Adding missing role descriptions. Added channel descriptions.
April 1, 2015	1.4	Initial Release to Volunteers
April 6, 2015	1.5	Moved assignments to separate spreadsheet & added 2015 Finish Map

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## Purpose and Audience

This document describes FINISH, the teams involved and anticipated work flows.

Reading and understanding this FINISH Communication Guide is essential to each and every communications volunteer. Know and understand how your individual contributions and teamwork fits into the big picture. A working understanding of all tasks increases your value to the overall operation.

Just remember: you are a Communicator first. Providing a vital communications link is your reason for being a member of a very large team. Your every effort to maintain this link, including proper equipment and maintaining a strict listening watch, is essential to success.

### Required Reading

*Amateur Radio at the BAA Boston Marathon: An Introduction  
Communication Standards*

### Optional Reading

*Decisions and Direction Policy*  
*Standards for Medical Issues and Environments*  
*Boston Marathon Survival Guide*

## Introduction

The FINISH area of the Boston Marathon is where 30,000+ athletes end their 26.2 mile competition. In addition to runners, thousands of spectators are there to watch, cheer, and congratulate. While things may start off slow in the morning, once the first athletes cross the finish line it becomes a very busy area very quickly.

The FINISH area encompasses an area about two-tenths of a mile before the actual finish line and a larger area immediately after the finish line called THE CHUTE . It continues beyond into Copley Square and the few city blocks around Copley. Beyond THE CHUTE there are medical tents, medical sweeps zones, massage areas, and information kiosks just to name a few.

Early in the morning, when you have a chance, you should familiarize yourself with the area. Note the street names, the location of the family meeting areas, the location of the porta-potties, and other things you may need to locate, or direct people to, later.

The role of Amateur Radio communicators in the FINISH area is to provide communications support for medical operations. This includes following or “shadowing” key race officials, being stationed at medical tents, accompanying sweep teams, etc.

Most assignments involve a 10-14 hour day (from 06:00 to ~19:00). In the morning, you will attend various meetings related to your assignment, starting with the all-hands Amateur Radio meeting at 06:00 in the Dorothy Quincy Suite. After the 06:00 meeting, you will tune your radio to the appropriate frequency for your assignment and continue monitoring it for the remainder of the day (if possible, use the “lock” feature of your radio to prevent the frequency from drifting).

Once your assignment starts it is imperative that you stay with your team for the day. You may be contacted at any time with important information for the team, or they may need you for something. So, maintain a strict listening watch.

If you know that you need to leave early for any reason please let the NCO or your Segment Coordinator know as soon as possible. You may not leave until released by Net Control (and we will only release you with authorization from the proper BAA officials). If you must step away from your assignment, please contact Net Control to request someone to relieve you. Never leave without authorization! Any volunteer who leaves without authorization may be visited by the FBI: security concerns at FINISH are high.

## Meeting Location

On the day of the event, Monday, April 20, 2015, everyone must meet at the following address at 6:00 AM to pick up credentials, jacket and assignments:

Patriot Room of the Dorothy Quincy Suite  
John Hancock Building (the old building)  
180 Berkeley St. (Entrance is around corner on Stuart St.)  
Boston, MA 02116

For directions and parking, please refer to the *How to Get There* section in the Appendix.

Additionally, all finish area amateur radio operators will meet in the Back Bay Grand Auditorium at 08:00 for the welcome and information session.

## Security Notes

- Expect metal detectors, sniffing dogs and for your bags to be searched. Bring only what is needed for your assignment and any backup equipment.
- Backpacks are allowed as long as they are transparent.
- Fanny packs are acceptable according to the BAA.
- A government issued photo ID is required.
- Do not leave your assignment without authorization to do so

## Nomenclature

Term	Definition
FINISH	The entire complex in the heart of Boston at the end of the Race Course. (Between Dartmouth & Arlington and Boylston & Stuart) FINISH is capitalized to avoid confusion with the Finish Line.
FINISH LINE	The area approximately 50ft before and 50ft after the actual “Finish Line” (The Blue Line on the Ground)
THE CHUTE	The area directly after the FINISH LINE
Shadow/Escort	An Amateur Radio communications staff member who provides direct communications access to their assigned BAA manager
BAA (Boston) Operations Center	A unified command and control for BAA race operations for the entire Marathon. The BAA Boston Operations Center can be referred to simply as the BAA Operations Center.
BAA Clay Operations Center	Hosts the dispatch center for COURSE and TRANSPORTATION.
SWEEPS	The Amateur Radio network that manages communication between the sweep teams at the FINISH.
LOGISTICS	The Amateur Radio network that manages communication between medical stations, shadows, and any other non-sweep assignments.
NCS	The Net Control station

## Positions

### Tactical Call Signs SWEEP

Type	Tactical Call	Range	Description
SWEEP	SWEEP X	1-22	Follow the sweep teams that keep the finish line area clear.
SWEEP	CAPTAIN X	A-G	Shadow the sweep team captains and provide communication between the captains and the teams they are supervising.
SWEEP	CHIEF X	A, B, L	Shadow the sweep team chiefs for the two sections and logistics and provide communications between them, the captains they are supervising, and medical command.

### Tactical Call Signs LOGISTICS

Type	Tactical Call	Range	Description
MEDICAL	TENT X	A, B	Provide support communication between the tent and other race officials such as supply and medical command.
MEDICAL	ELITE MEDICAL	--	Provide support communication between the tent and other race officials such as supply and medical command.
MEDICAL	MESSAGE MEDICAL	--	Provide support communication between the tent and other race officials such as supply and medical command.
FINISH	VIP TENT	--	Provide support communication between the tent and other race officials such as supply and medical command.
FINISH	TRINITY TRAFFIC	--	Work with Boston Police to direct traffic for arriving transport buses.
FINISH	INFO KIOSK	--	Provide communication support between the information kiosk at Copley Square and medical / BAA command.
FINISH	BOSTON CREW	--	Provides logistical and backup support for all other positions.
SHADOW	<i>Principal's Name</i>	--	Provide communications support for key Marathon operations personnel.

Note: Many of the areas you will be operating are loud. Letter ranges in tactical calls should be voiced phonetically to avoid confusion (i.e. "Tent Alpha" or "Captain Bravo").

## **SWEEP TEAMS**

Frequency: Amateurs assigned to any Sweep Team function should be on the B4 repeater. If they are unable to use the B4 repeater, the B3 VHF channel cross-bands into B4.

*Sweep Teams* consist of nurses, EMT's, general volunteers and one Amateur Radio communicator. The Medical staff provide assistance to runners that have crossed the finish line but who are unable to make it to the medical tents on their own (non-ambulatory). You are a primary communication link between your Sweep team, the area Captain and the Ops Center. Typical requests include additional wheelchairs, medical supplies, EMS assistance, and requests to meet up with the area Captain.

*Sweep Team Captains* supervise Sweep Areas which consist of between 3 and 4 Sweep Zones. Their primary responsibility is to ensure the smooth operation of the Sweep Teams and to shift resources and focus as necessary. When shadowing a Captain, your job is to provide a communications link between the Captain and each Sweep Team as well as the Sweep Team Section Chiefs.

*Sweep Team Section Chiefs* are next in the chain of command, above the Sweep Team Captains. Their primary function is to provide oversight and support to the Sweep Team Captains. Your duty as a Section Chief shadow is to provide the primary communication link between the Sweep Team Section Chief and the Captains they are responsible for. Each Section Chief is responsible for 3 or 4 Sweep Areas, known as a Sweep Team Division.

The *Sweep Team Logistics Chief* is responsible for coordinating medical resources and food among the Sweeps Teams. If you're assigned as a shadow you'll be the primary communication link, and will provide situational awareness based on your listening watch.

### **Responsibilities**

- Maintain situational awareness
- Requests for EMS
- Requests for wheelchairs
- Requests for medical supplies
- Requests for other Sweeps officials to meet up



## MEDICAL TENTS

Frequency: Amateurs assigned to any of the Medical Tent operate on Channel B2. If unable to use B2, use the B1 UHF channel which cross-bands into B2.

There are two primary Medical Tents, A and B. Tent A is located on Copley Square directly in front of the Boston Public Library. The tent's main entrance is located adjacent to Boylston Street, at the end of The Chute. Tent B is located along St. James Street and may be entered at the intersection of St. James and Berkeley. The medical tents are essentially portable emergency departments and are staffed by Medical Doctors, Nurses, EMT's, Athletic Trainers, and PA's. They are responsible for providing care to runners who are in need of medical attention, but are not critical enough to require transport to a hospital.

If assigned to a medical tent, you are expected to stand by the Tent Announcer when not engaged in another task. It is recommended that you recognize the key BAA and Medical managers in the tent: you may be asked to get messages to them from time to time.

In addition to the two primary Medical Tents, there are two additional tents. Tent C is an Auxiliary Medical Tent located on the Boylston Street side of the Trinity Church. Tent C is unstaffed unless opened by BAA Medical Command. In the event that Tent C is opened, Net Control will assign an amateur from Tent A, or the Boston Crew, to support this location.

Elite Medical serves the same function as a standard Medical Tent, but is reserved for runners in the elite category (as defined by the BAA). Note that special credentials are required to enter the Elite Medical Tent.

Typical requests from the Medical Tents include requests for additional supplies, requests for translators / interpreters, facilities requests (chairs, tables), and requests from the Operations Centre for announcements to be made.

### **Responsibilities**

- Report Occupancy vs Capacity
- Advise on Diversion Status
- Generally shadow either the "announcer" or the official in charge of the tent
- Finding people, supplies, paperwork, finding a runner
- Escorting an official

## MESSAGE MEDICAL

Frequency: Massage Medical operates on Channel B2. If unable to use B2, use B1, the UHF channel, which cross-bands into B2.

Massage Medical, located in the Dorothy Quincy suite, provides massage services to runners. It is located in the Back Bay Events Center and can be accessed at the intersection of Berkeley and Stuart. While the Massage Medical is technically another “Medical Tent” from the medical perspective, it is unique in that it is staffed primarily with Massage Therapists and Podiatrists. Unlike the Medical Tents, it is not fully equipped for emergency medical care. It poses some unique challenges as it is located in the basement of the building. Because of this, please bring the following equipment:

### Special Equipment

- Dual band (2m / 70cm) mobile with at least 10-Watt power capability
- Half wave pocket J-pole antenna
- Power supply
- Extension cord

Typical requests from the Massage Medical include those for additional supplies, translators / interpreters, and to locate people who are out of mobile phone reception range.

### Responsibilities

- Report Occupancy vs Capacity
- Finding people, supplies, paperwork, finding a runner

## VIP TENT

The VIP tent is another tent located at the finish line. The assigned responsibilities are much like the other tents: stay with the announcer / main desk; know who the important people are. More details on this assignment will follow in a future revision, or during the all hands meeting on Monday morning.

## TRINITY TRAFFIC

Frequency: One operator should be on the Bus Approach channel, B12. The second operator should be on the FINISH Logistics net, B2. If they are unable to use B2, B1 UHF crossbands into B2.

Trinity Traffic is a unique assignment in that it's one of the few where your primary mission includes more than just communication. As buses approach the FINISH area, they navigate specific roads to drop their runners off at the back of Medical Tent A. The busses have a goal of dropping off the runners and getting back out of the course as quickly as possible. The amateurs assigned to Trinity Traffic are responsible first communicating with the buses to determine their ETA's. They also will assist Boston Police with crowd control, corralling runners and spectators out of the way so the buses can make it to their destination in a safe and timely manner.

***Your duty is as a communicator first. Traffic control is a public safety responsibility undertaken by the Boston Police. You may assist, if asked, provided your activities do not interfere with maintaining a strict listening watch.***

### Special Equipment

- High-visibility (ANSI 107) green vest.

### Responsibilities

- Communicate with incoming busses and know their ETA
- Ensure buses have communicated supply needs
- Assist buses with access to the area behind Tent A
- Work with Boston Police to ensure the safety of others as buses approach

## INFO KIOSK

Frequency: Amateurs assigned to the Info Kiosk should be on B2. If they are unable to use B2, channel B1 (UHF) cross-bands into B2.

The Info Kiosk is a general information booth for the FINISH area. As an amateur assigned to this booth, it is highly recommended that you study the map before hand, and your surroundings on race day, so you can assist the Info Kiosk staff as appropriate. The amateur assigned to this location works with the team at the Info Kiosk to provide answers to any questions that might be directed at you. You are the Info Kiosk's primary link to additional resources and the Ops

Center. Typical requests include calling for a wheelchair, requesting translators / interpreters, or requesting status updates from other officials or locations.

## **BOSTON CREW**

Frequency: Amateurs assigned to the Boston Crew should be on B2 while they are awaiting an assignment. If they are unable to use B2, Channel B1 (UHF) cross-bands into B2. Net Control may request they change frequency for a specific task or assignment, however they should return back to B2 when that assignment is complete.

The primary function of the Boston Crew is to provide logistical and backup support for all other positions. This includes relieving operators who need a break, filling in for operators who have last minute conflicts, or covering assignments that were missed in the planning stages. Please be prepared to relocate if necessary. This assignments is just as important as any other. In the past, we have ended up utilizing most, if not all, of our Boston Crew operators over the course of the day.

## **SHADOW**

Frequency: Unless otherwise noted in the assignment, all shadow assignments should operate on Channel B2. If are unable to use B2, Channel B1 (UHF) cross-bands into B2.

The job of a shadow is staying with, and providing communications for, key personnel responsible for Marathon operations. More than just providing radio communications, you are there to assist the official with any reasonable requests. Some officials have been known to hand their cell phone to their amateur operator, instructing them to answer if certain people call. Others have handed other radios, including BAA MotoTRBO or public safety radios, to their operators and asked them to monitor.

The key to being a good shadow is to understanding why you're there. Indeed, many of the officials we shadow would be perfectly capable of talking on a commercial or public safety two-way radio on their own. However, doing so would distract them from their primary job. A shadow allows offloading the communication portion of their work, freeing the official to focus on their primary job. Whether they need to request supplies, find out where others are, or even call for EMS assistance, they know they can give that information to their Amateur Radio communicator and resume focusing on patient care, coordinating volunteers, or any other number of important functions.

Unless otherwise noted, the tactical ID of a shadow is generally the name of the person being shadowed. You should keep in mind their function as well, and pay attention for others talking about that function. This will help you to keep up on situational awareness, and to be able to respond if someone forgets your tactical call during a hectic moment.

#### **Finish Line Coordinator - Rich Havens**

Tactical ID: RICH HAVENS

While Rich Havens has been around and coordinating the Finish Line for some time, the assignment of a shadow to him is new for 2015. Rich Havens is responsible for post-finish logistics. He ensures that post-finish stations remain stocked with water, Gatorade, medals, and heat jackets.

Rich communicates primarily with a team of 18-20 area captains via commercial radio. This year, the BAA is providing him with a shadow to make it easier for him to communicate with other functional groups in the FINISH area, especially medical. This shadow is on the net with other shadows for the ability to pass him announcements of interest and communicate with other key personnel in the FINISH area.

Rich moves around a lot and requires a shadow who can keep up with the brisk pace throughout the day.

#### **Medical Bus Triage - Maya Cohen**

Tactical ID: MAYA COHEN

Maya Cohen is responsible for coordinating triage for the incoming medical buses. Generally, she is stationed at the rear of Medical Tent A to receive runners off of the Express Buses and/or Medical Vans coming in from the course. The amateur shadowing Maya relays any pending medical assists and/or resupply requests for the incoming buses. The requests, which come from the Transportation Net, which are passed through the Logistics net at FINISH. This amateur ensures that the Medical Bus Triage Coordinator is prepared to receive any incoming buses.

**Race Director - Dave McGillivray**  
TACTICAL ID: DAVE MCGILLIVRAY

Dave McGillivray is Race Director for the Boston Marathon. While he has held this position for some years, this will be the first year he is being given a shadow. This Shadow position is also unique as Dave starts the day in Hopkinton (at the Starting Line) and ends his day at the FINISH.

Early in the day, Dave's shadow may assist with other activities around the FINISH area. As it comes time for Dave to arrive at the FINISH area, the amateur will be stationed at the Finish Line under the Photo Bridge waiting. This ham should have a sign that says "Mr. McGillivray" to greet him upon his arrival (this was a joke made at a meeting and if actually done would gain you major brownie points). Once he meets up with you, you stay with him for the rest of the day.

Dave is fast and runs around the Finish non-stop; this is a high energy assignment. Dave often accesses sensitive areas such as VIP or Elite Medical. He might ask you to wait outside as he does not want to make others feel like he is bringing an "entourage". Please be mindful of his requests.

**Sweep Bus Program - Justin Mcullin**  
Tactical ID: JUSTIN MCULLIN

Justin is responsible for the coordination of the Elite Medical Bus program this year. This program provided non-emergent transport to Elite runners who have voluntarily dropped out of the race at either a Hydration or Medical Station. He works as part of the TCC (Transportation Coordination Center) to coordinate the retrieval of these Elite Runners from the course and returns them to the back of Med Tent A where they are then escorted to Elite Medical.

Once all the Elite Runners have reached the Finish Area whether it be crossing the finish line or arriving via Elite Medical Bus he turns over his assets to the Medical Sweep Bus Team coordinated out of the CLAY NCOC. Justin also works closely with Maya Cohen who is stationed at the back of Med Tent A and is responsible for coordinating triage for the incoming medical buses.

TCC has additional dedicated Amateur Radio Volunteers assigned to it. These operators should not be confused with Justin's shadow as they remain in the Operations Center and provide support for the TCC operation as a whole. Further information about the TCC operators can be found in the Net Control Communication Guide.

**Medical Services Coordinator - Chris Troyanos**  
Tactical ID: CHRIS TROYANOS

Chris is responsible for coordination of all the BAA medical services for the Marathon. Most of the other FINISH area officials report to him. As such, Chris ends up all over the FINISH area. He is another fast mover. Typical requests for the amateur shadowing Chris include requests for information from, or for, other officials, and requests to locate and meet up with other officials.

**Nursing Team Coordinator - Jeanette Corsini**  
Tactical ID: JEANETTE CORSINI

Jeanette is responsible for coordination of the Nursing Team. As such, she oversees all the nurses assigned at the FINISH area and allocates personnel resources. While most of her time is spent at one of the two Medical Tents, she sometimes visits other areas that nurses may be assigned. Typical communications include requests for additional nurses to be assigned to specific areas.

**Co-Medical Director - Dr. Pierre d'Hemecourt**  
Tactical ID: DOCTOR D'HEMECOURT

As one of the Co-Medical Directors for the FINISH area, Dr. d'Hemecourt is frequently bouncing back and forth between the Medical Tents. Typical requests for Dr. d'Hemecourt include requests for him to respond to a particular location, requests for information, or requests to meet other officials face-to-face.

**Co-Medical Director - Dr. Sophia Dyer**  
Tactical ID: DOCTOR DYER

As one of the Co-Medical Directors for the FINISH area, and the Medical Director for Boston EMS, Dr. Dyer is frequently bouncing back and forth between the Medical Tents. Typical requests for Dr. Dyer include requests for her to respond to a particular location, requests for information, or requests to meet other officials face-to-face.

**Athletic Trainer Coordinator - Brian Fitzgerald**

Tactical ID: BRIAN FITZGERALD

As the Athletic Trainer Coordinator, Brian is responsible for coordinating all the Athletic Trainers who volunteer for the event. As AT's are assigned all over the FINISH area (including Sweep Teams, Medical Tents, The Chute, and Massage Medical) Brian frequently moves around to check statuses. Typical requests for Brian include requests for him to respond to a particular location, requests for information, or requests to meet other officials face-to-face.

**Massage Therapy - Jeff Forrest**

Tactical ID: JEFF FORREST

As the Massage Therapy Coordinator, Jeff is responsible for overseeing the operations of the Dorothy Quincy Suite (a.k.a. Massage Medical). Typical requests to Jeff include requests for Massage Therapists, or Podiatrists, at other medical locations at the FINISH area.

**Medical Sweep Coordinator - Frank Mastrangelo**

Tactical ID: FRANK MASTRANGELO

Frequency: As Frank coordinates the Sweep Team functions, his shadow is generally be on the B4 repeater. If they are unable to use the B4 repeater, the B3 VHF channel crossbands into B4.

As the Medical Sweep Coordinator, Frank is responsible for overseeing the Medical Sweep program and ensuring its smooth operation. Frank frequently bounces around the entire FINISH area past the CHUTE. Typical requests for Frank include requests for him to respond to a particular location, or requests for him to meet face-to-face with other Sweep Team officials.



**Medical Tent A Captain - Brett Grieco****Tactical ID: BRETT GREICIO**

As the Tent A Captain, Brett oversees the medical operations occurring in Tent A including personnel management, supply request, and general supervision of staff. Typical requests include requesting personnel be transferred to other locations, or requests to meet up with other FINISH area officials.

**Medical Tent B Captain - Terry Giove****Tactical ID: TERRY GIOVE**

As the Tent B Captain, Terry oversees the medical operations occurring in Tent B including personnel management, supply request, and general supervision of staff. Typical requests include requesting personnel be transferred to other locations, or requests to meet up with other FINISH area officials.

**Medical Supplies Coordinator - Brent Hamula****Tactical ID: BRENT HAMULA**

As the Medical Supplies Coordinator, Brent Hamula is responsible for ensuring that Sweeps Teams, Medical Tents, Massage Medical, and Medical Buses receive the medical supplies they need to provide patient care. Brent can be found anywhere around the FINISH area picking up and delivering supplies. The majority of calls to Brent are for additional supplies to be delivered to any of the medical assignments in the FINISH area.

**Runner / Family Relations - Kathleen Horvath****Tactical ID: KATHLEEN HORVATH**

As the runner / family relations coordinator, Kathleen works with family members to inform them of the status of runners, and where they may be. This includes if runners get transported to a hospital or end up in a medical tent. Typical requests include looking up runner bib status on the timing system, requests for translators / interpreters, requests for supplies for her station, and requests to meet up with other FINISH area officials.

## Medical Records - Sharon Tompkins

Tactical ID: SHARON TOMPKINS

Sharon Tompkins is the Captain of the Medical Records Scribe program. The Medical Records Scribe program is responsible for coordinating the non-medical volunteers who work alongside the medical personnel to assist in the documentation of patient care and the smooth operation of the Medical Tents and First Aid Stations. The roles under her supervision include the Tent Announcers, Tent Assistants, Bed Spotters, Medical Records Scribes, and Medical Records Reviewers.

Over the course of the day Sharon bounces back and forth between Medical Tent A and Medical Tent B to manage personnel and resolve issues. Typical requests for this role include requests for additional personnel, requests for personnel to be reassigned, or requests for a face-to-face meet up with other officials.

## Communication Plan

### Equipment

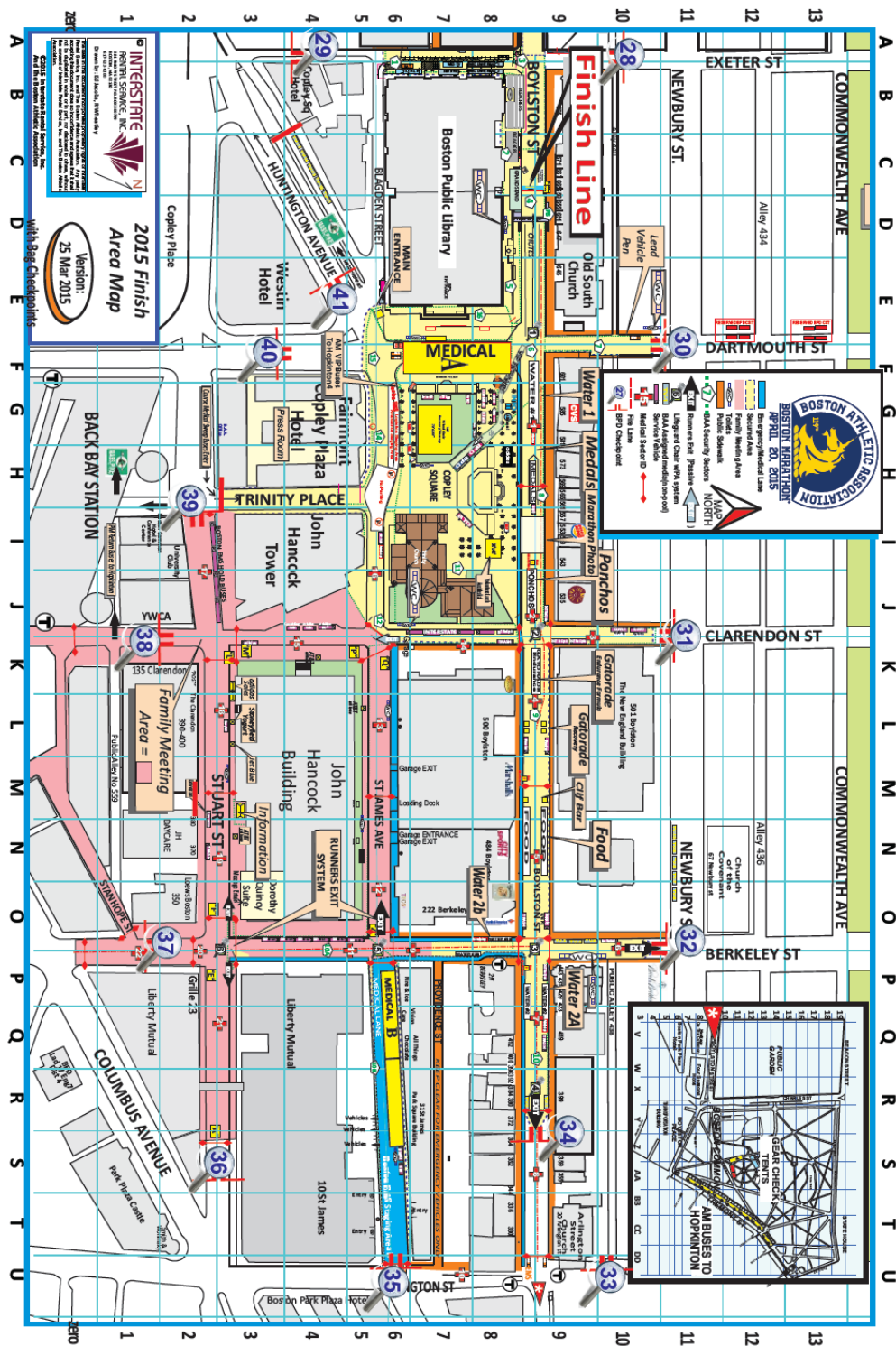
- Government issued photo ID; you will not be allowed to participate without one.
- It is a good idea to have your FCC Amateur Radio License (at least a photocopy)
- Dual band handheld transceiver with a gain antenna and all frequencies pre-programmed.
- Sufficient batteries to last 10-12 hours. Most HT batteries are rated on a 10-10-80 duty cycle (10% Rx, 10% Tx, 80% standby). Computer aided dispatch system and recording show that the nets average 25% standby and 75% Rx. Please take this into account for your battery decisions.
- Headset with a boom microphone and push-to-talk (PTT) switch or a speaker/mic with headphones - this is a **must have requirement** due to the noise and wind. Do not bring voice activated (VOX) headsets as the noise easily triggers them.

## Channel Assignments

Please refer to the ICS 205 document for frequency allocations.

Channel	Function	Assignment	Remarks
B1	Logistics Net	Shadows, Medical Tents, Info Kiosk, Boston Crew	VHF Simplex (linked with B2); Primary
B2	Logistics Net	Same As Above	UHF Simplex (linked with B1); Secondary
B3	Sweeps Net	Sweeps Teams, Sweep Zone Captains, Sweep Team Operations Section Chiefs, Sweep Team Logistics Section Chief, Frank Mastrangelo (Sweep Program Coordinator)	VHF Link to B4 (Half-duplex); Secondary
B4	Sweeps Net	Same As Above	UHF Portable Repeater; Primary
B4.D	Sweeps Net	Same As Above	Simplex on B4 Output (in case of repeater failure)
B5	Medical Supervisor Tactical	Sweep Zone Captains, Sweep Team Operations Section Chiefs, Sweep Team Logistics Section Chief, Frank Mastrangelo (Sweep Program Coordinator)	UHF Simplex; Use only when instructed to do so by Net Control
B6	Sweeps Net	Same as B4	UHF Simplex. Backup for B4 in case of interference issues; Use only when instructed to do so by Net Control
B7	Logistics Net	Same as B1	VHF Simplex. Backup for B1 in case of interference issues; Use only when instructed to do so by Net Control
TAC1	Tactical Use	Any	VHF Simplex; Use only when instructed by Net Control
TAC2	Tactical Use	Any	VHF Simplex; Use only when instructed by Net Control
TAC3	Tactical Use	Any	VHF Simplex; Use only when instructed by Net Control

# Appendix - Finish Area Map



## Appendix - How to Get There

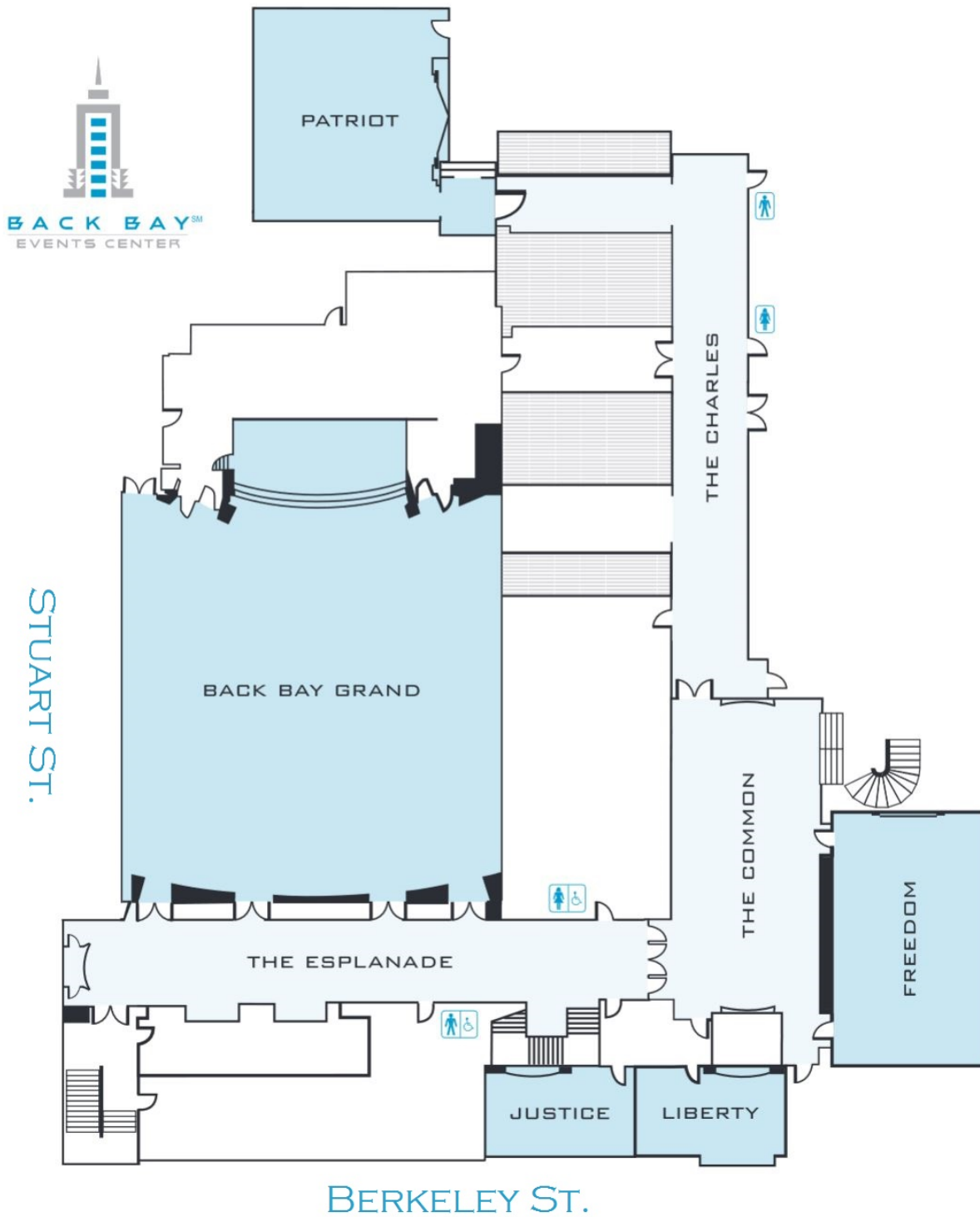
Each ham is responsible for his or her own transportation and parking downtown. Parking in Boston is limited, and can be costly (\$30+/day). If possible, please carpool to share the costs, or use the T.

Directions to the parking garage from all points are available online at <http://www.100clarendon.com/>. For those with GPS navigators, the address of the garage is 100 Clarendon Street.

If you are coming into Boston on the T, please note that Copley Square station is usually closed on Marathon day. Arlington Street Station on the Green Line and Back Bay Station on the Orange Line are the closest stops to the Copley Square area on race day.

The Patriot Room (previously called the Signature Room) is on the bottom floor of the Dorothy Quincy Suite. Go downstairs in the entryway and follow the map on the next page. If you have problems finding the Suite, please call on the B1 frequency, 145.555 MHz simplex (74.4 Hz CTCSS) to ask for help.

# DOROTHY QUINCY SUITE



<http://www.backbayeventscenter.com/>

## Appendix - Commercial Radios

### How To change your zone on the MotoTRBO radios:

- 1) Press the Menu button
- 2) Using the right and left arrows, find "Zone" and press OK
- 3) Use the right and left arrows to find the proper zone and press OK. The display will refresh after a few second.

### FINISH and TRANSPORT (Zone 1) Commercial Radio Channel Plan

Zone 1 (Radios in Boston)		
1	Operations	WHOLE ROUTE (Course)
2	Medical Call-In	MEDICAL EMERGENCY (Course)
3	Medical Direct	MEDICAL DIRECT
4	Medical Admin	MEDICAL OPERATIONS (Course)
5	Announcers	ROCHE
6	Finish Area	HAVENS (Course)
7	Press Center	FLEMING
8	Marshals	CUMMINGS (Course)
9	Vehicles	ROUTE VEHICLES (Course)
10	Expo	FECHTER/SICUSO
11	Bus Loading	CALDER
12	Transaction	TRANSACTION (Course)
13	Boston Busing	MURPHY (Course)
14	Cavalier Busing	CAVALIER (Course)
15	Operations	WHOLE ROUTE (Course)
16	Talk-Around	OPERATIONS OVERFLOW (Course)

## COURSE (Zone 2) Commercial Radio Channel Plan

Zone 2 (Radios on the Course)		
1	Operations	WHOLE ROUTE (Course)
2	Medical Call-In	MEDICAL EMERGENCY (Course)
3	Women's Lead	ROUTE VEHICLES
4	Men's Lead	ROUTE VEHICLES
5	Bikes	O'BRIEN
6	Vehicles	ROUTE VEHICLES (Course)
7	Elite Fluids	CARPENTER (Course)
8	Men's Press	ROUTE VEHICLES (Course)
9	Women's Press	ROUTE VEHICLES (Course)
10	Men's WC Press	ROUTE VEHICLES (Course)
11	Women's WC Press	ROUTE VEHICLES (Course)
12	Operations	WHOLE ROUTE (Course)
13	Operations	WHOLE ROUTE (Course)
14	Operations	WHOLE ROUTE (Course)
15	Operations	WHOLE ROUTE (Course)
16	Talk-Around	OPERATIONS OVERFLOW (Course)

## START (Zone 3) Commercial Radio Channel Plan

Zone 3 (Radios in Hopkinton)		
1	Operations	WHOLE ROUTE (Course)
2	Medical Call-In	MEDICAL EMERGENCY (Course)
3	Start Line	START LINE (Course)
4	Start Area	DESCHENES (Course)
5	Village Ops	VILLAGE
6	Village Food	VILLAGE
7	Village Exit	VILLAGE
8	Village Transport	VILLAGE
9	Info Booth	DESCHENES
10	Club Buses	DESCHENES
11	Bus Unloading	DESCHENES
12	Hop Busing	MURPHY (Course)
13	Parking South St	DESCHENES
14	Parking HSP	DESCHENES
15	Repeat Park HSP	DESCHENES (Course)
16	Talk-Around	OPERATIONS OVERFLOW (Course)