

FRS/GMRS Radio Coverage Survey Action Plan

Date and time

Meet at

Goal

Measure radio voice quality at survey locations throughout the ----- NET Service Area.

Exercise duration

Approximately -----

Required Personal Protective

Equipment (PPE)

- NET/BEECN ID and lanyard (if issued)
- NET vest (if issued)
- Mobile phone
- Weather appropriate clothing/footwear

Other exercise equipment

- Pre-charged FRS/GMRS radio, pre-set to channel ---
- Pen (black or blue ink), no pencils
- Hard writing surface
- Chairs if needed at command or listening posts

Safety

- Work in pairs
- Be mindful of your surroundings
- Look out for each others' safety
- Call 911 in response to injuries or other emergencies, report to Command Post after.

Setup

----- will be used as the Command Post for this survey session. All volunteers will assemble at the Command Post for a personnel check-in, briefings, and assignments. We will use NET Form 2A for volunteer check-in and check-out. NET Form 3 will be used to record listening post and rover team(s) deployment and return. All volunteers assigned to rover teams or listening posts should provide a mobile phone number on NET Form 2A. All rover team or listening post volunteers should also receive a mobile phone number for the Command Post.



FRS/GMRS Radio Coverage Survey Action Plan

Survey forms - provided at the Command Post

- [Radio Survey - Command/Listening Post Log](#): Used by the Command Post and Listening Posts to record Radio Voice Quality of Rover Team communications.
- [Radio Survey - Rover Team Log](#): Used by Rover Teams to record Radio Voice Quality of Command Post communication at each Survey Location.

Survey routes

- The NET Service Area will be divided into Survey Areas.
- Each Rover Team will receive a map of their Survey Area.
- Rover Team routes in each survey area will start at the Command Post and progress outward.
- We will have a maximum number of rover teams depending on the number of volunteers who report and Command Post capacity.
- If there is an area of the neighborhood with which a volunteer is less familiar, they should be encouraged to participate on a rover team assigned to that area.

Survey rover teams

- Each rover team will have a minimum of two volunteers.
- Team members should alternate radio operation and scribe work so that everyone gains experience.
- The Command Post will provide rover team with several copies of the *Radio Survey - Rover Team Log* form.
- Work in pairs:
 - Driver/Scribe – records survey location and radio voice quality
 - Navigator/Radio Operator– communicates with the Command Post and provides travel directions. Mobile phone maps may be used for navigation assistance.

FRS/GMRS Radio Coverage Survey Action Plan

Fixed locations

_____ : This is the _____ NET primary Incident Command Post and the location of the Command Post for this survey. This location will include a minimum of two volunteers who:

- Receive radio calls from Listening Posts and Rover Teams, and
- Use the *Radio Survey – Command/Listening Post Log* form to record communication.

Secondary fixed locations (optional, depending on volunteer availability)

_____ : This is the a listening post and will passively monitor and record Rover Teams communications using the Radio Survey – Command Post/Listening Log form.

Each of the listening posts will have a minimum of two volunteers. The COmmand Post will provide listening posts with several copies of the *Radio Survey - Command/Listening Post Log* form.

Radio Communication Protocol for Rover Team

- Driver/Scribe will parking the vehicle at the survey location.
- Driver/Scribe will log the time and location at each survey location.
Note: use 24hr time – 9:30am = 0930, 6:45pm = 1845, etc.
- Navigator/Radio Operator will stand outside of the vehicle.
- Wait for a quiet period on your radio.
- Attempt to contact the Command Post by holding your radio so the antenna is vertical and when ready press and hold the Press to Talk button.
- Wait 3 seconds before speaking, then say, “Command Post, this is _____, over.”
- Release the press-to-talk button.
- Wait 30 seconds for a response from the Command Post. If you do not receive a response, try again.
 - Wait an additional 30 seconds and try a third time.
 - Wait 30 seconds after your third request before recording the radio voice quality for that location as a zero and proceed to the next survey location.
- After hearing a response from the Command Post, report the survey location.
- Record the radio voice quality before leaving your current location.

FRS/GMRS Radio Coverage Survey Action Plan

Notes:

- Speak slowly at the pace you would take to write out each word. This will help you keep a pace slow enough to permit the listener to write down your message.
- For clarity, 29th Avenue is reported by the individual digits “two” and “nine” and not as “29th”.
- In the case of difficult-to-understand street names such as “**Southwest Hume Street**”, use “I SPELL” with the phonetic alphabet: “Southwest, I spell, Hotel Uniform Mike Echo street.”

Example of radio communication between a rover team and the Command Post:

- **Rover East:** *“Command Post, this is Rover East, over.”*
- **Command Post:** *“Rover East, this is Command Post, over.”*
- **Rover East:** *“Command Post, this is Rover East, location, southwest troy street, and southwest two nine avenue, over.”*
- **Command Post:** *“Rover East, this is Command Post, location is southwest troy street, and southwest two nine avenue, over.”*
- **Rover East:** *“Command Post, this is Rover East, affirmative.”*

Example of resolving radio cross-talk:

- **Command Post:** *“Rover East, this is Command Post, please standby.”*
- **Command Post:** *“Rover West, this is Command Post, please proceed.”*

FRS/GMRS Radio Coverage Survey Action Plan

End of Radio Coverage Survey Session

- The Command Post may announce the end of a survey session at any time.
- Rover Teams should inform the Command Post when they have finish their route and then return to the Command Post.
- The Command Post should announce the end of a Survey Session when the last Rover Team has completed their route.
- The end of a Survey Session should be announced by radio and acknowledged by each Listening Post and Rover Team. Non-respondents should be contacted by mobile phone.
- All listening posts and rover teams should return to the Command Post when the end of the survey session is announced.
- Post-Survey Command Post activities include:
 - Recording listening post and rover team return using NET Form 3;
 - Collection of survey log forms;
 - Performing a “hot wash” (post-survey debriefing);
 - Personnel Check Out at end of session using NET Forms 2A; and
 - Collection of NET Forms 2a and 3.