### **Nets and Net Operations**

### Technician Exam Preparation Class June 2020 Session 9

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## What Is a Net?

- Most commonly three types of nets:
  - Traffic Net
  - Casual "birds of a feather" net
  - Emergency practice net
- Conducted on the air
  - Usually at a specific time
  - And on a specific repeater or frequency
- Managed by a Net Control Operator (NCS)
  - Stations check in and then only transmit when invited by the NCS
  - Remain on the net until dismissed

T2C02, T2C06, T2C07



To get immediate attention in an emergency begin by saying "Priority!" or "Emergency" followed by your call sign.

# Message Handling

- Traffic nets relay formal messages from an originator to a destination, kind of like a telegram
  - Local nets collect new messages, deliver received messages
  - Regional nets relay messages to and from other regions and local nets
- The preamble (header) of the radiogram is used to track the message from initiation to reception.
- The number of words in the body of the message is sent at the end as a "check"
- Note that these messages are third-party traffic

	RADIOGRAM VIA AMATEUR RADIO							
NUMBER	PRECEDENCE	HX	STATION OF ORIGIN	CHECK		PLACE OF ORIGIN	TIME FILED	DATE
					THIS RADIO MESSAGE WAS RECEIVED AT AMATEUR STATION PHONE NMME STREET ADDRESS CITY, STATE, ZP			
				100				
				gener - 'r of inner				
	ROM		DATE	TIME	SENT TO		DATE	TIME
REC'D				DIO OPERATOR.			HE NATIONAL MEMBERSHIP	

#### A key characteristic of traffic handling is passing the message exactly and precisely

## Local WDARC Net

- Held each Thursday evening at 9:00pm on the Tooele County Linked Repeater System
  - The South Mountain repeater transmits on 147.300 MHz, positive offset, with a 100.0 Hz CTCSS tone
- Format of the net:
  - A preamble
  - Club officer checkins
  - Club member checkins
  - Any other checkins
  - Traffic handling
  - Postamble

## Amateur Radio Club Call Signs

- An amateur radio club can be issued an FCC call sign if the club has at least 4 members
- The West Desert Amateur Radio Club is the local club and has W7EO as the club call sign
  - Meetings are held on the 1st Wednesday of each month at the Emergency Operations Center, 15 East 100 South in Tooele. All meetings are open to the public
  - The club sponsors a number of activities throughout the year, including operating events, kit building events, picnics, and an annual Christmas dinner.

## Jot down any questions you may have to ask during the online meeting