Traffic Handling 101
The Basics

- **Intro to NTS**
  - Purpose
  - Routing & Nets
- Radiograms
  - Structure
  - Completing a radiogram
- Sending Traffic
  - Format

Traffic Handling 101
Intro to NTS

NTS = National Traffic System

- Nets
- Volunteer Traffic Handlers
- Expedient movement from point A to point B
- Prioritized messages (various reasons)

Traffic Handling 101
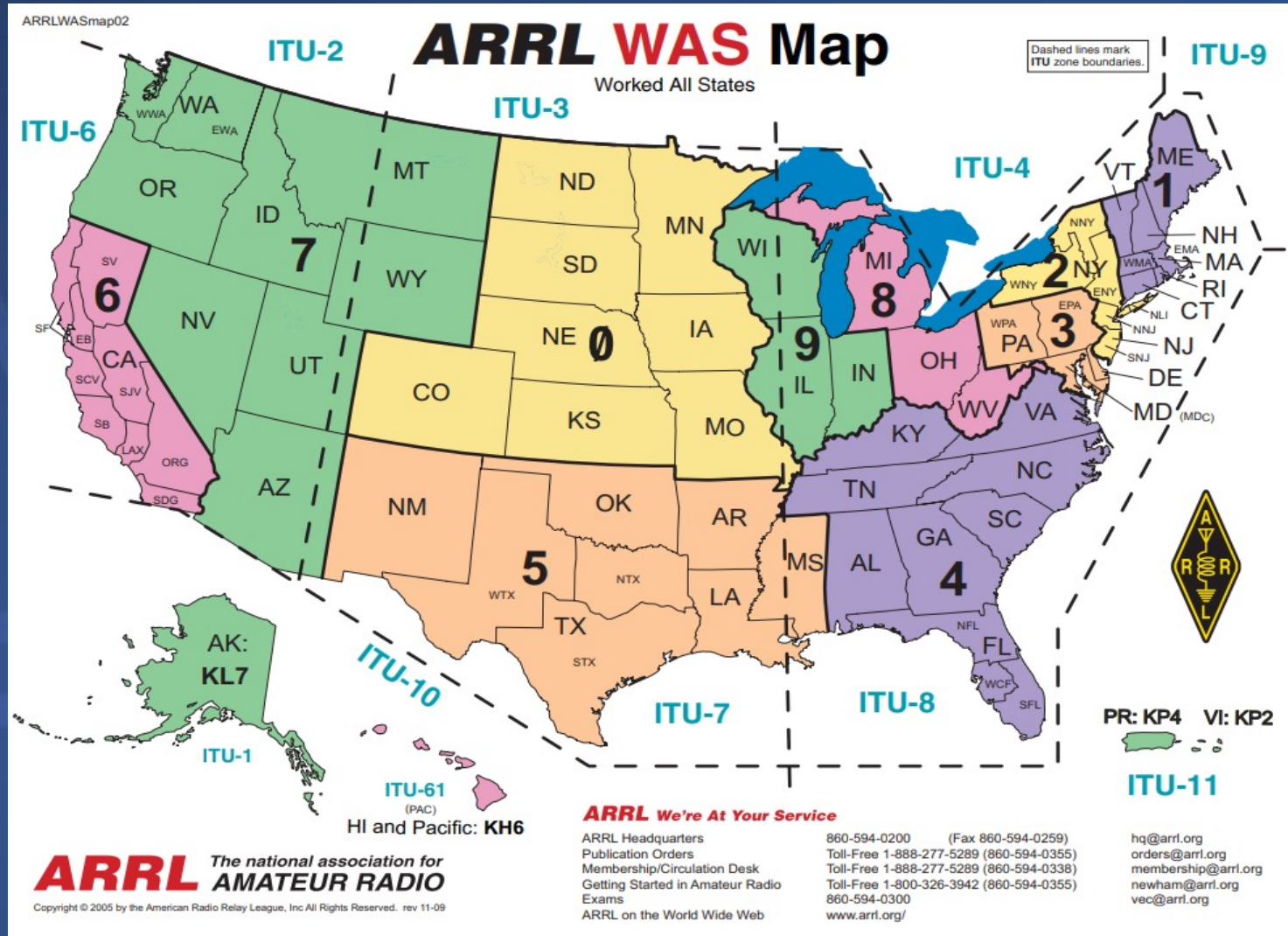
Intro to NTS

NTS Routing:

- Local Nets (and Training)
  - Section or State Net
    - Region Nets (Callsign Regions)
      - Area Nets
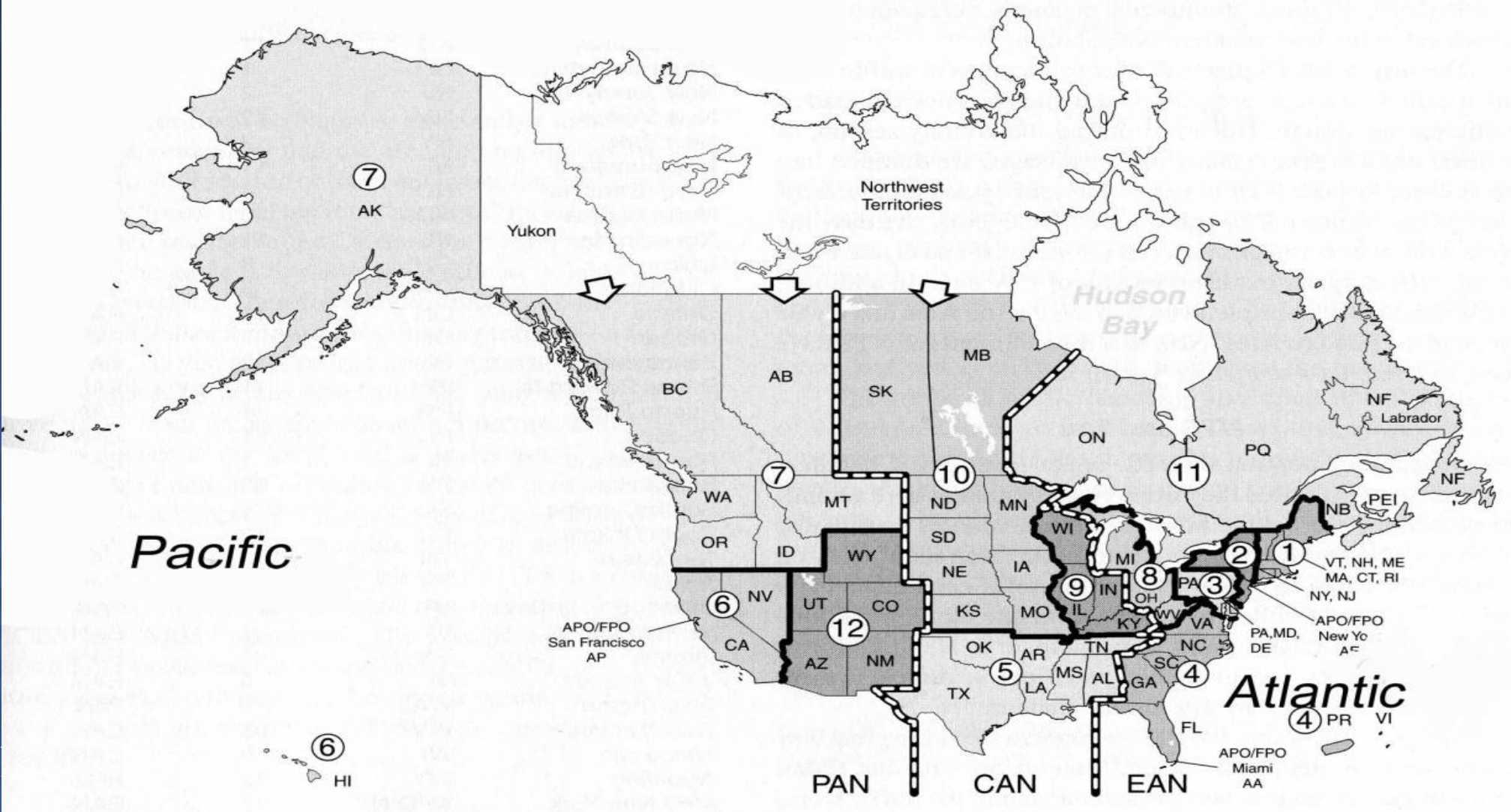   - »TCC – Trans Continental Corps

Traffic Handling 101
Intro to NTS

Traffic Handling 101
Intro to NTS

Traffic Handling 101
Intro to NTS

NTSD: Digital

- Point to Point (quick)

- Electronically via amateur bands (usually HF w/ a PC)

- Pactor Modem or VARA HF (+/- soundcard adapter)

- Experienced Traffic Handlers

- Supplemental, Not a replacement for NTS Nets

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Traffic Handling 101

Intro to NTS

NTS Nets:

- Directed by NCS (Net Control Station)

- List Traffic; Pass traffic as directed

- Don't disappear; Advise NCS if you need to leave

- Be courteous

- Pitch in when able

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Traffic Handling 101

Radiograms

Radiograms:

- **Header**
- **Addressee**
- **Body/Text**
- **Signature**

Traffic Handling 101
Radiograms

Header - Number

NUMBER	PRECEDENCE	HX	STATION OF ORIGIN	CHECK	PLACE OF ORIGIN	TIME FILED	DATE

THIS RADIO MESSAGE WAS RECEIVED AT

ARRL *The National Association for Amateur Radio*®

Traffic Handling 101
Radiograms

Header – Precedence

NUMBER	PRECEDENCE	HX	STATION OF ORIGIN	CHECK	PLACE OF ORIGIN	TIME FILED	DATE
					THIS RADIO MESSAGE WAS RECEIVED AT		

R - P - W - EMERGENCY

Traffic Handling 101
Radiograms

Header – Handling Instructions

NUMBER	PRECEDENCE	HX	STATION OF ORIGIN	CHECK	PLACE OF ORIGIN	TIME FILED	DATE

THIS RADIO MESSAGE WAS RECEIVED AT

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Traffic Handling 101
Radiograms

Header – Station of Origin

NUMBER	PRECEDENCE	HX	STATION OF ORIGIN	CHECK	PLACE OF ORIGIN	TIME FILED	DATE

THIS RADIO MESSAGE WAS RECEIVED AT

Traffic Handling 101
Radiograms

Header - Check

NUMBER	PRECEDENCE	HX	STATION OF ORIGIN	CHECK	PLACE OF ORIGIN	TIME FILED	DATE

THIS RADIO MESSAGE WAS RECEIVED AT

Traffic Handling 101
Radiograms

Header – Place of Origin

NUMBER	PRECEDENCE	HX	STATION OF ORIGIN	CHECK	PLACE OF ORIGIN	TIME FILED	DATE

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Traffic Handling 101
Radiograms

Header – Time Filed

NUMBER	PRECEDENCE	HX	STATION OF ORIGIN	CHECK	PLACE OF ORIGIN	TIME FILED	DATE

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Traffic Handling 101
Radiograms

Header - Date

NUMBER	PRECEDENCE	HX	STATION OF ORIGIN	CHECK	PLACE OF ORIGIN	TIME FILED	DATE

THIS RADIO MESSAGE WAS RECEIVED AT

Traffic Handling 101
Radiograms

Addressee:

TO

PHONE NUMBER

E-MAIL

THIS RADIO MESSAGE WAS RECEIVED AT

AMATEUR STATION _____ PHONE _____

NAME _____ E-MAIL _____

STREET _____

CITY, STATE, ZIP _____

Traffic Handling 101
Radiograms

Body / Text:

Traffic Handling 101
Radiograms

Signature:

FROM		DATE	TIME	TO		DATE	TIME
REC'D				**SENT**			

This message was handled at no charge by a licensed Amateur Radio operator, whose address is shown in the box at right above. No compensation can be accepted by a "ham" operator. A return message may be filed with the "ham" delivering this message to you. Further information on Amateur Radio may be obtained from ARRL Headquarters, 225 Main Street, Newington, CT 06111 or **www.arrl.org**.

The ARRL is the national association for Amateur Radio and the publisher of *QST* magazine. One of its functions is promotion of public service communication among Amateur Radio operators. To that end, the ARRL has organized the National Traffic System for daily nationwide message handling.

1320 2/11

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THE AMERICAN RADIO RELAY LEAGUE
RADIOGRAM
VIA AMATEUR RADIO

NUMBER	PRECEDENCE	HX	STATION OF ORIGIN	CHECK	PLACE OF ORIGIN	TIME FILED	DATE
4	R		W2ZXN	14	PETERBORO NY		JAN 23

TO SHAUN NEWCOMER KT2O

123 ANYSTREET RD

NEW HARTFORD NY 13413

TELEPHONE NUMBER 315 555 1234

THIS RADIO MESSAGE WAS RECEIVED AT

AMATEUR STATION _____ PHONE _____

NAME _____

STREET ADDRESS _____

CITY, STATE, ZIP _____

THANKS	FOR	ATTENDING	THE	TRAFFIC
TRAINING	X	TEST	YOUR	SKILLS
BY	ATTENDING	OCTEN	73	

ANDY W2ZXN WNY ASTM

FROM	DATE	TIME	TO	DATE	TIME
REC'D			SENT		

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Traffic Handling 101

Sending Traffic

Remember to:

- Speak Slow & Clear

- Use pro-phrases (amateur call, figures, I spell, etc.)

- Phone numbers as 3 – 3 – 4

- Brevity

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Traffic Handling 101

Sending Traffic

Punctuation:

- X (initial x-ray)

- Query

- R (145.17 becomes 145R17)

- ATSIGN / DOT

- HYPHEN, DASH, COMMA, EXCLAIMATION, etc.

Traffic Handling 101
Sending Traffic

ARRL Numbered Radiograms

- Pre-formatted messages
- Shorten radiogram being sent
- ARL Numbers always written out
- To be read out when delivering

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Traffic Handling 101
Sending Traffic

Official Relay Station:

- ARRL Appointment that requires full membership

- Ability to TX on voice or CW

- Quality signals

- Willing to share knowledge of traffic handling with others

- Submit a monthly SAR (Station Activity Report)

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Traffic Handling 101
Sending Traffic

SAR – Station Activity Report

- 4 Categories

- Snapshot of monthly traffic activity

- Submitted to STM and/or ASTM

- No minimums; Always appreciated

PSHR – Public Service Honor Roll

- 6 Categories

- Encompasses traffic & other public service activities

- 70 point minimum to report

- Published in QST