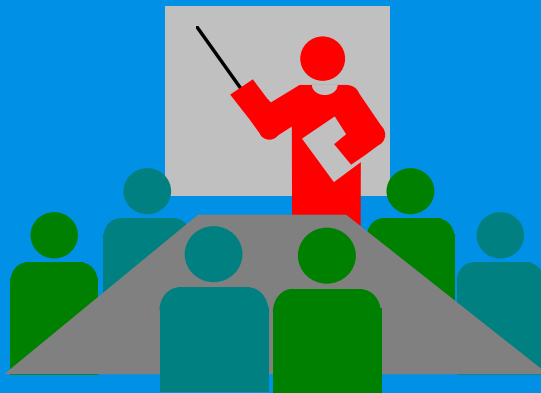

RADIO COMMUNICATION

RADIO OPERATION & MAINTENANCE





DEFINITION

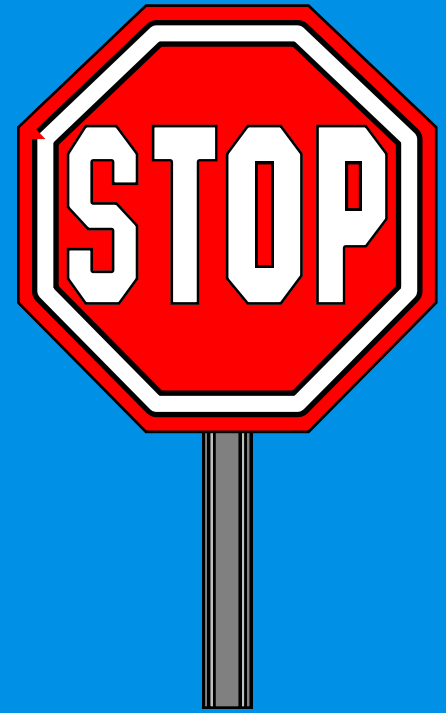
- AM (amplitude modulation)
- FM (frequency modulation)
- SSB (single-side band)
- VHF-AM (air-to-air capability)
- VHF-FM (air-to-ground capability)

ENR FREQUENCIES

- Simplex FM 1-4-5-6-8-10-11-12-14-16
- Duplex FM 2-3-7-9-13-15
- Repeater Location in the Deh Cho
 - Cap Mountain FM-9
 - Camsell Bend FM-7
 - Nahanni Butte FM-3
 - Redknife Hills FM-2

CALL SIGN

- Importance and use of call sign
 - Use of call sign while in A/C
 - Use of call sign on the ground
 - Use of call sign on the fire
- Calling procedures
 - Speech Transmission Techniques
 - Speed
 - Rhythm



CALLING PROCEDURES

□ Calling

- Call sign of station being called is always spoken first.
- Followed by the words "THIS IS"
- Call sign of the station calling

□ Replying

- Call sign of station calling
- Followed by the words "THIS IS"
- Call sign of station being called
- "GO AHEAD"

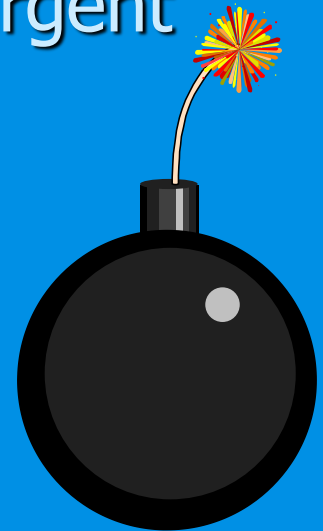


CALLING PROCEDURE (cont)

- General Call
 - All Stations
- Multiple Station Call
 - Call signs called in order
- Corrections
 - Say word “CORRECTION” after mistake and say the corrected information
- If not sure who’s calling “ say station calling, your call sign

CALLING PROCEDURE (cont)

- Distress Signal
 - “MAYDAY” repeat 3 times use in imminent danger
- Urgency Message
 - “PAN PAN” repeat 3 times use for urgent message
- Phonetic Alphabet (alpha...zulu)



MESSAGE HANDLING PROCEDURES

- Operator should:
 - Deliver the radio message clearly
 - Plan message before transmitting
 - Listen before transmitting to avoid interference with other transmissions

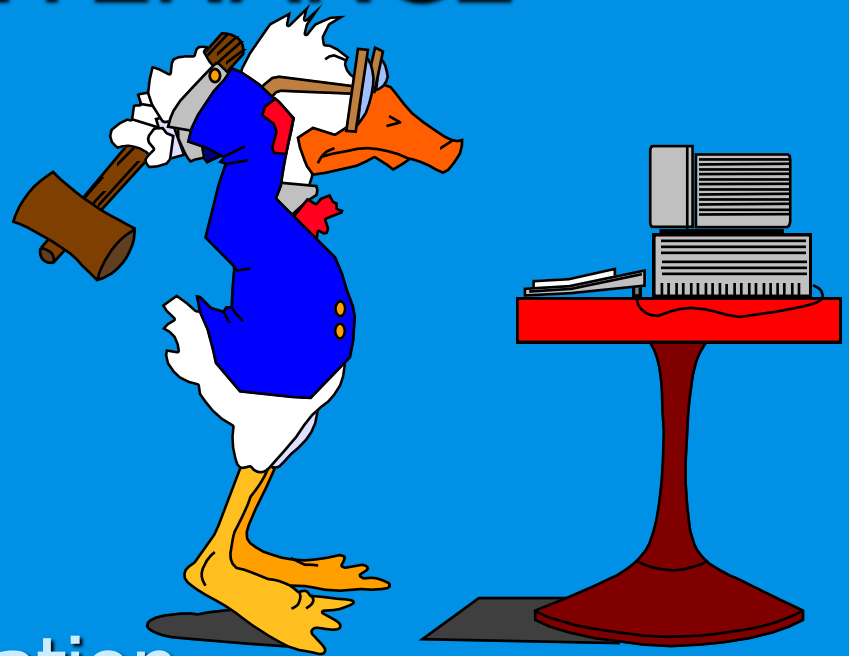
- Four parts of the message
 - The call-up
 - The reply
 - The message
 - The acknowledgement or ending

PROCEDURAL WORDS & PHRASES

- Acknowledge
- Affirmative
- Confirm
- Correction
- Disregard
- Go Ahead
- How do you read
- I say again
- Negative
- Out
- Over
- Read Back
- Roger
- Say Again
- Stand By
- Wilco

RADIO MAINTENANCE

- Batteries
- Fuses
- Antenna
- Fish line antenna
- Handling and operation



THE END

