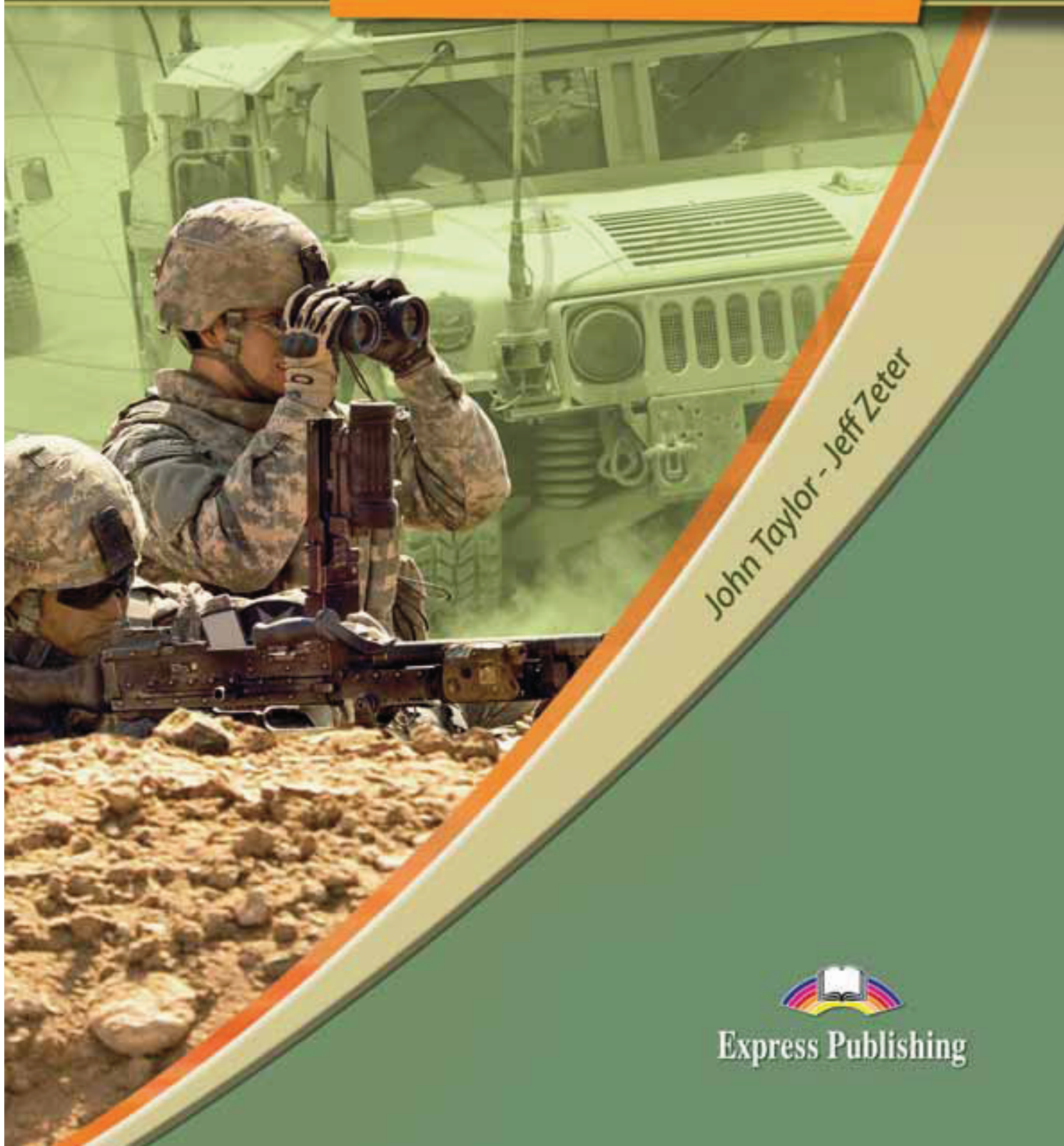


COMMAND & CONTROL



John Taylor - Jeff Zeter



Express Publishing

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6 The Soldier's Life: Radio Basics

Radios are vital military tools. They allow soldiers to **stay in contact** during combat and other operations.

Most radios are made to **hop frequencies**. This prevents the enemy from listening to the full conversation.

The **SINCGARS (man-pack)** and **AN/PRC-148 (handheld)** are common military radios.

The man-pack can be worn as a **backpack**. This portable type of radio handles both voice and data **transmissions**.

The handheld is the most widely used radio. It permits easy **two-way** contact.

Most modern radios use **rechargeable lithium-ion batteries**.



Using a SINCGARS man-pack radio in the field

Comprehension

1 Read, listen and fill in the blanks to complete the sentences.

- 1 Radios hop frequencies in order to
- 2 There are two basic types of radios: the and the
- 3 The SINCGARS radio can handle not only but also voice transmissions.
- 4 The handheld is most useful for
- 5 Today's portable handheld radios are powered by

2 a) Read again and choose the correct answers.

- 1 What can be inferred about the SINCGARS radio?
A It cannot hop frequencies automatically.
B It is mostly used for data transmissions.
C It has a better battery than the AN/PRC-148.
D Soldiers wear it like a backpack.

- 2 According to the text, what is true of the AN/PRC-148 handheld radio?
A It can receive but not send data messages.
B It is too large to fit into a soldier's pocket.
C It uses a rechargeable battery.
D It has a longer range than man-pack radios.


b) In pairs, talk about how many types of radios there are and how they can be used.

Vocabulary

3 Choose the correct definition for each word.

- 1 **man-pack**
A a radio worn on the back
B a message sent through a radio
C a type of radio transmission
- 2 **two-way**
A moving in two directions
B consisting of two parts
C using voice and data
- 3 **stay in contact**
A to replace batteries
B to have communication
C to turn off a radio

4 Study the table below.

RADIO VOICE PROCEDURE 	
WORDS	MEANING
Affirmative	Yes.
Roger	I understand / I received your transmission.
Negative	No.
Wilco	I will comply; I will do what you have asked.
Standby	Wait.
Over	I'm finished speaking and waiting for a reply.
Out	I'm finished speaking and don't expect a reply.
Go ahead	Please send your next transmission.
Say again	Repeat the last transmission.
You're breaking up	I cannot hear you / your voice.

5 Complete the conversation with appropriate words or phrases from the word bank.

negative **wilco** **say again**
over **out**



- D77: Echo one-three, I didn't hear your last transmission. Please (1)
- E13: I repeat, please advise. Is air reconnaissance available for this area? (2)
- D77: (3) We do not have air recon at this time. Please wait for further instructions.
- E13: (4) I will await your next transmission. (5)

6 Complete the word or short phrase that is similar in meaning to the underlined part.

- I understood your last transmission. I am moving toward the objective now.
_ _ g _ _
- Yes. All units have reported back to base.
_ f _ _ _ _ t _ _
- You're going to have to repeat the last transmission, soldier. I couldn't understand you.
_ o _ ' _ _ _ e _ _ _ _ _ _ p

- This is Delta Actual. Please proceed with your transmission.
_ o a _ _ _ _
- I'm verifying that information for you now. Please wait until my next transmission.
S _ _ _ _ _ y

Listening

-  Listen to a radio conversation between a soldier in the field and his commander. Write down any key vocabulary (in bold in the reading passage) that you hear.
-  Listen again to the conversation. Then answer the questions.

- Why does the man contact the woman on the radio?
.....
.....

- What does the woman order the unit to do?
.....
.....

- Why does the man ask the woman to "say again?"
.....
.....

Speaking

- In pairs, act out short radio exchanges using the procedure words in Ex. 4.

