

RADIO COMMUNICATIONS ELECTIVE (RCE)*Instructor's Notes:*

- 12 classroom periods.
- The course is designed for Australian certified UHF Citizens Band radios (either 40 or 80 channels).
- Prowords, reports and procedures must correspond with those detailed in the 321SQN Fieldcraft Handbook.
- Practical competencies should form 25% of the cadet's overall exam mark.

Lesson	Description	AL	Period(s)
RCE1	Introduction		1
	1. Explain the reasons for formal radiotelephone procedures.	B	
	2. Explain the purpose of prowords.	B	
	3. Outline basic prowords and their meanings.	B	
	4. State the phonetic alphabet and the reasons for its use.	B	
RCE2	Speaking on the Radio		1
	1. Explain the rules for radio net discipline.	B	
	2. Explain the technique and rules for speaking on the radio.	B	
	3. Practice the use of the phonetic alphabet.	1	
	4. State the technique for sending numbers when using a radio.	B	
	5. Practice sending numbers.	2	
RCE3	Radio Nets		1
	1. Describe the structure and purpose of a radio net.	B	
	2. Describe the roles and tasks of:	C	
	a. the Net Control Station;		
	b. the Command Post Radio Operator; and,		
	c. The Staff Radio Net Supervisor.		
	3. Describe the nature and purpose of the various types of call-signs and address groups.	B	
	4. Outline basic appointment titles, and standard fixed call-signs.		

RCE4	Radio Calls	1
	1. Describe the parts of radio calls and responses.	B
	2. Describe single, multiple, net collective and exempt calls.	B
	3. Practise making basic radio calls.	2
	4. Explain abbreviated procedures.	B
	5. Practise abbreviated procedures.	2
RCE5	Establishing Communications	1
	1. Describe the information required by operators before opening a radio net.	B
	2. Describe how to open a radio net in good and bad conditions.	B
	3. Explain the procedures for radio checks.	B
	4. Practise establishing radio communications.	2
RCE6	Transmission of Messages	1
	1. Describe how to arrange a radio conversation.	B
	2. Outline how to offer messages.	B
	3. Outline the purpose and format of routine and emergency reports.	B
RCE7	Codes and Security	1
	1. Explain the need for security, accuracy and discipline in radio procedures.	B
	2. State and explain the security rules.	B
	3. Describe the purpose and use of:	B
	a. OPS codes;	
	b. NUM codes; and,	
	c. authentication and limitations on their use.	
	4. Practise radio calls using codes.	2
RCE8	Corrections, Repetitions, Verifications, Acknowledgments and Cancellations	1
	1. Describe the correction of errors during transmission, and	B

	after the message has been sent.		
	2. Practise error correction.	2	
	3. Describe repetition procedure, unknown station procedure, verification, acknowledgments and cancellations.	B	
	4. Practice procedures for repetitions, verifications, acknowledgments and cancellations.	2	
RCE9	Procedures for Difficult Working Conditions		1
	1. Outline the procedures for delegating and assuming control.	B	
	2. Outline the procedures for relay, read-back, and words twice.	B	
	3. State the differences between free and directed nets.	B	
	4. Describe the responses by the Net Control Station (NCS) for directed nets.	B	
	5. Practice the procedures for difficult conditions.	2	
RCE10	Operation of Radio Sets on AAFC Radio Nets		1
	1. Outline the technical characteristics of the radio.	B	
	2. State the components, and demonstrate the controls, of the radio.	B	
	3. Demonstrate operating procedures (including the use of the base station and hip antenna).	2	
	4. State allowable frequencies/channels.	B	
	5. State the need for strict observances of correct procedures.	B	
	6. Practise operation of the radio.	2	
	7. State emergency channels, repeater channels, and restrictions on the use of channels.	B	
RCE11	Assessment	N/A	1
RCE12	Assessment and Course Review	N/A	1