

UNIT 2.04 – RADIO OPERATOR SYLLABUS

Note: The pass mark for the examinations set to this syllabus is 80%.

1.1 – NAVIGATION		Standard prior to:	
		Solo	P/Cert
1.1.1	Radio Telephony.		
	Know the basic principles of radio wave propagation and recall the appropriate frequency bands for VHF.	B	C
	Know the limitations of VHF in terms of quality of reception and range.	B	C
	List factors which may affect VHF reception.		
	Use appropriate charts/documents to:		
	(a) extract VHF frequencies;		
	(b) determine communication coverage.		
	Recall the phonetic alphabet and the method of transmitting numerals and recreational aeroplane call signs.	B/P	C/P+
	Recall pertinent (local) procedures and radio phraseology for:	B/P	C/P+
	(a) circuit flying;		
(b) flights to and from the training area.			
State the purpose of the following radio controls:	B/P	C/P+	
(a) on/off switches;			
(b) frequency selector and squelch control;			
(c) transmit button and mute switch.			
Differentiate between a distress & urgency message	B/P	C/P+	
(a) give examples when each should be used;			
(b) recall each prefix and extract the elements of each message from ERSA			
Extract radio failure procedures from ERSA	B/P	C/P+	
Explain the legal requirements of radio calls with regard to;	B	C	
(a) Foreign language			
(b) Secrecy of communications			
(c) Swearing or offensive language			
(d) Non-essential radio communication			
(e) Improper or unauthorised use of call signs			

1.1.2	Class 'G' Airspace Procedures. Explain the main differences and cite the radio requirements and broadcasts between; (a) Flight Information Area (FIA) (b) CTAF (c) Aeroplane landing area. Explain procedures after loss of radio communication at; (a) Flight Information Area (FIA) (b) CTAF (c) Aeroplane landing area. Operations at non controlled aerodromes (a) Sound knowledge of CAAP 166-1 (2)	B/P	C/P+
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-End of Radio Operator Syllabus-