

Learning Objectives – 04 COMMUNICATIONS (VFR)



Nr.	Eind- en toetstermen	Opmerkingen	PPLA	PPLH
090 00 00 00	COMMUNICATIONS			
091 00 00 00	VFR COMMUNICATIONS			
091 01 00 00	DEFINITIONS			
091 01 01 00	Meanings and significance of associated terms			
LO	Stations		X	X
LO	Communication methods		X	X
091 01 02 00	Air Traffic Services abbreviations			
LO	Define commonly used Air Traffic Control abbreviations: - Flight conditions - Airspace - Services - Time - Miscellaneous		X	X
091 01 03 00	Q-code groups commonly used in RTF air-ground communications			
LO	Define Q-code groups commonly used in RTF air to ground communications: - Pressure settings - Directions and bearings		X	X
LO	State the procedure for obtaining bearing information in flight		X	X
091 01 04 00	Categories of messages			
LO	List the categories of messages in order of priority		X	X
LO	Identify the types of messages appropriate to each category		X	X
LO	List the priority of a message (given examples of messages to compare)		X	X
091 02 00 00	GENERAL OPERATING PROCEDURES			
091 02 01 00	Transmission of letters			
LO	State the phonetic alphabet used in radiotelephony		X	X
LO	Identify the occasions when words should be spelt		X	X
091 02 02 00	Transmission of numbers (including level information)			

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Nr.	Eind- en toetstermen	Opmerkingen	PPLA	PPLH
LO	Describe the method of transmission of numbers: - Pronunciation - Single digits, whole hundreds and whole thousands		X	X
091 02 03 00	Transmission of time			
LO	Describe the ways of transmitting time - Standard time reference (UTC) - Minutes, minutes and hours, when required		X	X
091 02 04 00	Transmission technique			
LO	Explain the techniques used for making good R/T transmissions		X	X
091 02 05 00	Standard words and phrases (relevant RTF phraseology included)		X	X
LO	Define the meaning of standard words and phrases		X	X
LO	Use correct phraseology for each phase of VFR flight		X	X
LO	Aerodrome procedures - Departure information - Taxi instructions - Aerodrome traffic and circuits - Final approach and landing - After landing - Essential aerodrome information		X	X
091 02 06 00	Radiotelephony call signs for aeronautical stations including use of abbreviated call signs			
LO	Name the two parts of the call sign of an aeronautical station		X	X
LO	Identify the call sign suffixes for aeronautical stations		X	X
LO	Explain when the call sign may be omitted or abbreviated to the use of suffix only		X	X
091 02 07 00	Radiotelephony call signs for aircraft including use of abbreviated call signs			
LO	List the three different ways to compose an aircraft call sign		X	X
LO	Describe the abbreviated forms for aircraft call signs		X	X
LO	Explain when aircraft call signs may be abbreviated		X	X
091 02 08 00	Transfer of communication			

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LO	Describe the procedure for transfer of communication - By groundstation - By aircraft		X	X
091 02 09 00	Test procedures including readability scale			
LO	Explain how to test radio transmission and reception		X	X
LO	State the readability scale and explain its meaning		X	X
091 02 10 00	Read back and acknowledgement requirements			
LO	State the requirement to read back clearances related to in runway in use		X	
LO	State the requirement to read back "other clearances" including conditional clearances		X	X
LO	State the requirements to read back other data such as runway, SSR codes etc			X
LO	Use the correct phraseology for an aircraft receiving a radar service - Radar Identification - Radar vectoring - Traffic information and avoidance - SSR procedures		X	X
091 03 00 00	RELEVANT WEATHER INFORMATION TERMS (VFR)			
091 03 01 00	Aerodrome weather			
LO	List the contents of aerodrome weather reports and state units of measurement used for each item - Wind direction and speed - Variation of wind direction and speed - Visibility - Present weather - Cloud amount and type (including the meaning of CAVOK) - Air temperature and dewpoint - Pressure values (QNH, QFE) - Supplementary information (aerodrome warnings, landing runway, runway conditions, restrictions, obstructions, windshear warnings, etc)		X	X
091 03 02 00	Weather broadcast			
LO	List the sources of weather information available for aircraft in flight		X	X
LO	Explain the meaning of the abbreviations: ATIS, VOLMET		X	X
091 04 00 00	ACTION REQUIRED TO BE TAKEN IN CASE OF COMMUNICATION FAILURE			

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LO	State the action to be taken in case of communication failure on a controlled VFR-flight		X	X
LO	Identify the frequencies to be used in an attempt to establish communication		X	X
LO	State the additional information that should be transmitted, in the event of receiver failure		X	X
LO	Identify the SSR code that may be used to indicate communication failure		X	X
LO	Explain the action to be taken by a pilot with Com failure in the aerodrome traffic pattern at controlled aerodromes		X	X
091 05 00 00	DISTRESS AND URGENCY PROCEDURES			
091 05 01 00	Distress (definition – frequencies – watch of distress frequencies – distress signal – distress message)			
LO	State the DISTRESS procedures		X	X
LO	Define DISTRESS		X	X
LO	Identify the frequencies that should be used by aircraft in DISTRESS		X	X
LO	Specify the emergency SSR codes that may be used by aircraft, and the meaning of the codes		X	X
LO	Describe the action to be taken by the station which receives a DISTRESS message		X	X
LO	Describe the action to be taken by all other stations when a DISTRESS procedure is in progress		X	X
LO	List the content of a DISTRESS signal/message in the correct sequence		X	X
091 05 02 00	Urgency (definition – frequencies – urgency signal – urgency message)			
LO	State the URGENCY procedures		X	X
LO	Define URGENCY		X	X
LO	Identify the frequencies that should be used by aircraft in URGENCY		X	X
LO	Describe the action to be taken by the station which receives an URGENCY message		X	X
LO	Describe the action to be taken by the station which receives an URGENCY message		X	X
LO	List the content of an URGENCY signal/message in the correct sequence		X	X
091 06 00 00	GENERAL PRINCIPLES OF VHF PROPAGATION AND ALLOCATION OF FREQUENCIES			

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Nr.	Eind- en toetstermen	Opmerkingen	PPLA	PPLH
LO	Describe the radio frequency spectrum with particular reference to VHF		X	X
LO	Describe the radio frequency spectrum of the bands into which the radio frequency spectrum is divided		X	X
LO	Identify the frequency range of the VHF band		X	X
LO	Name the band normally used for Aeronautical Mobile Service voice communication		X	X
LO	State the frequency separation allocated between consecutive VHF frequencies		X	X
LO	Describe the propagation characteristics of radio transmissions in the VHF band		X	X
LO	Describe factors which reduce the effective range and quality of radio transmissions		X	X
LO	State which of these factors apply to the VHF band		X	X
LO	Calculate the effective range of VHF transmissions assuming no attenuating factors		X	X