Module Title:	Radio Telephony (ICAO Level 4)
Language of Instruction:	English

Credits:	5

NFQ Level:	6

Module Delivered In	1 programme(s)

Teaching & Learning Strategies:	This module concentrates on the technical and practical training required for effective communication at aerodromes. The module consists of lectures, practical exercises, and simulated radio conversations

Module Aim:	To provide specialist aviation radio telephony training in order to comply with the requirements of ICAO document 9870 which outlines the formal communications training and assessment for drivers and other personnel who operate on or near the runway

Learning Outcomes	
On successful completion of this module the learner should be able to:	
LO1	Complete radio conversations with ATC
LO2	Be proficient in the use of voice procedure including readback procedures.
LO3	Understand the different frequencies and their roles within aerodrome operations
LO4	Understand aerodrome call sign structure and handover/transfer points for vehicles
LO5	Be proficient in the use of the phonetic alphabet and standard phraseology and acronyms

Pre-requisite learning	
Module Recommendations *This is prior learning (or a practical skill) that is recommended before enrolment in this module.*	
No recommendations listed	
Incompatible Modules *These are modules which have learning outcomes that are too similar to the learning outcomes of this module.*	
No incompatible modules listed	
Co-requisite Modules	
No Co-requisite modules listed	
Requirements *This is prior learning (or a practical skill) that is mandatory before enrolment in this module is allowed.*	
No requirements listed	

Module Content & Assessment

Indicative Content
1 Routine radio communications with Air Traffic Control
2 Normal and emergency procedures used by ATC relating to aircraft
3 ATC frequencies used and normal handover/transfer points for vehicles
4 ATC call signs, vehicle call signs, phonetic alphabet, and standard phraseology
5 Read back and knowledge of hierarchy of messages

Assessment Breakdown	%
Continuous Assessment	80.00%
End of Module Formal Examination	20.00%

Continuous Assessment				
Assessment Type	*Assessment Description*	*Outcome addressed*	*% of total*	*Assessment Date*
Oral Examination/Interview	Oral Assessments through Q/A's throughout the module	1,2,3,4,5	30.00	Ongoing
Practical/Skills Evaluation	Simulated conversations to assess the relevant competencies of the fire fighter to communicate using radio telephony procedures and techniques.	1,2,3,4,5	20.00	Ongoing
Practical/Skills Evaluation	Student is taken through a live R/T session on the airfield that will include at least 3 access onto and egress from runways	1,2,3,4,5	30.00	Ongoing

No Project

No Practical

End of Module Formal Examination				
Assessment Type	*Assessment Description*	*Outcome addressed*	*% of total*	*Assessment Date*
Formal Exam	Multiple choice written examination	1,2,3,4,5	20.00	End-of-Semester

SETU Carlow Campus reserves the right to alter the nature and timings of assessment

Module Workload

Workload: Part Time		
Workload Type	*Frequency*	*Average Weekly Learner Workload*
Lecture	Per Semester	0.16
Practicals	Per Semester	0.24
Independent Learning Time	Per Semester	3.96
Studio Based Learning	Per Semester	0.64
	Total Hours	125.00

Module Delivered In

Programme Code	Programme	Semester	Delivery
CW_BSFOP_D	Bachelor of Science in Flight Operations	2	Mandatory