

# Marine Radio worksheet syllabus match – Marine Research Skills

Wet Paper Publications

Marine Radio Workbook 2<sup>th</sup> Edition

MS3 Navigation and communication are essential tools for investigating marine environments.

*Subject matter and suggested learning experiences*

Key concepts / elaboration	Learning experiences	Worksheets	KU	IA	EC
MS3.1 Marine navigation and communication devices (e.g. GPS [global positioning system], radio, mobile phone) and procedures are used for coordination and safety (e.g. EPIRB).	Identify the principles of radio transmission Describe the significance of an EPIRB Identify radio transceiver controls Discuss types of marine radio calls Justify the use of digital selective calling Discuss uses of marine radios	1 Principles of transmission 2 Epirb 3 Transceiver controls 4 Types of calls 5 Digital selective calling 6 Marine radio	✓	✓	✓
MS3.5 Radio transmission communication should be clear and concise (e.g. vessel identification, logging vessel movement, etiquette) and fitting to local regulatory requirements	Describe how to tune a marine transceiver Describe how to send a message Identify common phrases and meanings Recall the phonetic alphabet Describe how to connect up a 27mhz transceiver in a boat Identify installation and faults Describe marine battery workings Make a marine radio reference card Describe logging of messages	7 Tuning a marine transceiver 8 Sending a message 9 Phrases and meanings 10 Phonetic alphabet 18 Connecting a 27mhz transceiver 19 Installation and faults 20 The battery 21 Make a reference card 22 Logging of messages	✓	✓	✓
MS3.6 Organisations play vital roles in search and rescue operations (e.g. Australian Maritime Safety Authority)	Identify statutory requirements from ACMA VHF legislation Discuss marine radiotelephony alarm signals Recall procedures used in distress signals Write answers to mayday research questions Identify mayday procedures, pan pan and securite procedures Complete a find-a-word puzzle Compete review, theory and revision questions	11 Radio telephony alarm signals 11 Radio telephony alarm signals 12 Distress signals 13, 14, 15 Mayday, PAN PAN, securite research questions 17 Find-A-Word puzzle 22, 23, 24	✓	✓	✓