Analysis and Specifications Tables

5714

RV Maintenance and Repair

Training Sector 7 Buildings and Public Works

Reach for your Dreams

Québec

Analysis and Specifications Tables

5714

RV Maintenance and Repair

Training Sector 7 Buildings and Public Works

Formation professionnelle et technique
et formation continue

Direction générale des programmes
et du développement

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INTRODUCTION

This document presents analysis and specifications tables as well as comments concerning the evaluation of each module in pages entitled *Information on the Evaluation* and *Evaluation Form*. The latter are intended for those responsible for developing examinations in the schools. This material should be applied when preparing examinations for the certification of studies.

SYNOPTIC TABLE

Number of modules: 21
Duration in hours: 975
Number of credits: 65

RV Maintenance and Repair
Program code: 5714

CODE	TITLE OF MODULE	HOURS	CREDITS[1]
759 511	1. The Trade and the Training Process	15	1
759 522	2. Occupational Health and Safety	30	2
759 533	3. General Shop Work	45	3
759 542	4. Plans, Technical Manuals and Sketches	30	2
759 554	5. Carpentry	60	4
759 565	6. Plumbing	75	5
759 572	7. Maintaining an RV	30	2
759 582	8. Welding and Cutting	30	2
759 592	9. Health and Safety: Propane Gas	30	2
759 604	10. Propane Gas	60	4
759 613	11. Installing Gas Appliances	45	3
759 623	12. Electricity	45	3
759 636	13. Electrical Appliances	90	6
759 644	14. Maintaining and Repairing a Gas System and Gas Appliances	60	4
759 653	15. Installing and Repairing Accessories	45	3
759 662	16. Communication	30	2
759 673	17. Preparation for Delivery	45	3
759 682	18. Inspecting an RV	30	2
759 696	19. Repairing and Modifying an RV	90	6
759 702	20. Job Search Techniques	30	2
759 714	21. Entering the Work Force	60	4

1. One credit corresponds to 15 hours of study.

PROGRAM: RV Maintenance and Repair **CODE:** 759 511

MODULE: 1 – THE TRADE AND THE TRAINING PROCESS

ANALYSIS AND SPECIFICATIONS TABLE

INFORMATION ON THE EVALUATION

PARTICIPATION EVALUATION FORM

ANALYSIS AND SPECIFICATIONS TABLE (SITUATIONAL OBJECTIVE)

PROGRAM: RV Maintenance and Repair

MODULE: 1 – THE TRADE AND THE TRAINING PROCESS **CODE:** 759 511

EXPECTED OUTCOME: Determine their suitability for the trade and the training process

Learning Context	Duration (%)	Indicators	W_i	Participation Criteria	W_c
Phase 1: **Information on the trade**	25	1 Information on the characteristics of the job market, and the nature and requirements of the job	30	1.1 Gather information on the characteristics of the job market, and the nature and requirements of the job.	15
				1.2 Adequately express their views on the trade during group meetings by making connections with the information gathered.	15
Phase 2: **Information on and participation in the training process**	60	– Production of a report on the skills, aptitudes and knowledge required in the trade – Production of a report on the training process, program, evaluation methods and certification of studies – Visit to the school shop – Production of a report on the main components of the program of study and various aspects of the trade	30	2.1 Give their opinion on some of the requirements of the trade.	15
				2.2 Adequately express their views on the training program during a group meeting.	15

W_i: relative weighting of indicators W_c: relative weighting of participation criteria

ANALYSIS AND SPECIFICATIONS TABLE (SITUATIONAL OBJECTIVE)

PROGRAM: RV Maintenance and Repair

MODULE: 1 – THE TRADE AND THE TRAINING PROCESS **CODE:** 759 511

EXPECTED OUTCOME: Determine their suitability for the trade and the training process

Learning Context	Duration (%)	Indicators	W_i	Participation Criteria	W_c
Phase 3: **Evaluation and confirmation of career choice**	15	– Identification of their preferences, aptitudes and interests in relation to the trade and the training process – Evaluation of their career choice by comparing aspects and requirements of the trade with their preferences, aptitudes and interests	40	3.1 Write a report on their preferences and aptitudes. 3.2 Discuss their career choice with the teacher.	20 20

W_i: relative weighting of indicators W_c: relative weighting of participation criteria

RV MAINTENANCE AND REPAIR (5714)

759 511 – THE TRADE AND THE TRAINING PROCESS (Module 1)

INFORMATION ON THE EVALUATION

1. Information and Instructions

Evaluation of the candidates' participation is based on information gathered at different times during the learning activities. However, a final judgment of each criterion component should be made only at the end of the corresponding phase in the learning situation.

The evaluation should not focus on the accuracy of the candidates' perceptions or opinions, but rather on whether they have based their perceptions or opinions on arguments or examples.

2. Examination Procedure

Phase 1: Information on the trade

1.1 Gather information on the characteristics of the job market, and the nature and requirements of the job.

1.2 Adequately express their views on the trade during group meetings by making connections with the information gathered.

On the basis of information provided by the teacher and personal research, the candidates will prepare a report on the characteristics of the job market (potential workplaces, employment prospects and salary, possibilities for advancement, selection of candidates), as well as on the tasks and rights and responsibilities of workers. All the candidates will discuss the information gathered during a group meeting.

Phase 2: Information on and participation in the training process

2.1 Give their opinion on some of the requirements of the trade.

2.2 Adequately express their views on the training program during a group meeting.

The candidates will become familiar with the training program and learning process. During a group discussion, candidates will discuss the skills, aptitudes and knowledge required to practise the trade, as well as the connections between the main components of the program and the various aspects of the trade.

Phase 3: Evaluation and confirmation of career choice

3.1 Write a report on their preferences and aptitudes.

3.2 Discuss their career choice with the teacher.

Each candidate will assess his or her career choice. In a two-page report, they will identify their preferences, aptitudes and interests in relation to the trade. They will also discuss their career choice with the teacher.

PARTICIPATION EVALUATION FORM

RV MAINTENANCE AND REPAIR	Program code:	5714
1 – The Trade and the Training Process	Module code:	759 511

Candidate's name: _____

School: _____ RESULT:

Permanent code: _____ PASS ☐ FAIL ☐

Date of examination: _____

Examiner's signature: _____

PARTICIPATION COMPONENTS	RESULT YES	RESULT NO
PHASE 1: INFORMATION ON THE TRADE		
1.1 Gather information on the characteristics of the job market, and the nature and requirements of the job.	☐	☐
1.2 Adequately express their views on the trade during group meetings by making connections with the information gathered.	☐	☐
PHASE 2: INFORMATION ON AND PARTICIPATION IN THE TRAINING PROCESS		
2.1 Give their opinion on some of the requirements of the trade.	☐	☐
2.2 Adequately express their views on the training program during a group meeting.	☐	☐
PHASE 3: EVALUATION AND CONFIRMATION OF CAREER CHOICE		
3.1 Write a report on their preferences and aptitudes.	☐	☐
3.2 Discuss their career choice with the teacher.	☐	☐

Pass/fail conditions: 5 YESes out of a possible 6, and a YES for components 3.1 and 3.2

Comments: _____

_____

_____

PROGRAM: RV Maintenance and Repair **CODE:** 759 522

MODULE: 2 – OCCUPATIONAL HEALTH AND SAFETY

ANALYSIS AND SPECIFICATIONS TABLE

INFORMATION ON THE EVALUATION

EVALUATION FORM

ANALYSIS AND SPECIFICATIONS TABLE (BEHAVIOURAL OBJECTIVE)

PROGRAM: RV Maintenance and Repair

MODULE: 2 – OCCUPATIONAL HEALTH AND SAFETY **CODE:** 759 522

EXPECTED BEHAVIOUR: Observe occupational health and safety rules

Specifications of the Expected Behaviour	Duration (%)	Indicators	W_i	Performance Criteria	W_c
A. Organize the shop in a safe manner.	10	1 Organization of the shop	10	1.1 Observance of the rules for setting up a safe shop	10
B. Apply the appropriate preventive measures.	15	2 Application of preventive measures: ▪ when handling hazardous or toxic materials ▪ when using tools, equipment or machinery that present a risk factor ▪ when there are physical hazards	30	2.1 Accurate identification of hazards and risks	15
				2.2 Selection of personal protective equipment appropriate to the work situation	10
				2.3 Application of preventive measures appropriate to the risk factors present	5
C. Assume the most ergonomic and safest working position inside and outside the RV.	20	3 Behaviours when handling materials	25	3.1 Appropriate posture, body position and handling of materials	25

W_i: relative weighting of indicators W_c: relative weighting of performance criteria

ANALYSIS AND SPECIFICATIONS TABLE (BEHAVIOURAL OBJECTIVE)

PROGRAM: RV Maintenance and Repair

MODULE: 2 – OCCUPATIONAL HEALTH AND SAFETY **CODE:** 759 522

EXPECTED BEHAVIOUR: Observe occupational health and safety rules

Specifications of the Expected Behaviour	Duration (%)	Indicators	W_i	Performance Criteria	W_c
D. Adopt safe behaviours when handling materials.	15	4 Behaviours when handling materials	20	4.1 Accurate identification of the hazards and risks associated with transporting loads	10
				4.2 Selection and appropriate use of equipment for handling materials, depending on the loads to be moved	10
E. Ensure that the workplace is safe.	20	5 Organization of the workplace	15	5.1 Complete review of the safety rules specific to the task at hand and the workstation	15
F. Respond to an accident or emergency.	20				

W_i: relative weighting of indicators W_c: relative weighting of performance criteria

RV MAINTENANCE AND REPAIR (5714)

759 522 – OCCUPATIONAL HEALTH AND SAFETY (Module 2)

INFORMATION ON THE EVALUATION

1. Information and Instructions

The purpose of this examination is to evaluate the candidates' ability to observe occupational health and safety rules in a shop and inside and outside an RV. The examination will consist of questions or simulation exercises.

2. Examination Procedure

This examination comprises two tasks:

- organize the shop in a safe manner
- move a heavy object

Task 1: Organize the shop in a safe manner

In the context of a simulation exercise and in an RV repair shop, the candidate will organize the shop to make it safe. The candidate must:

- identify the hazards and risks of injury
- make the necessary changes and move any objects that pose a risk
- select the personal protective equipment required for working in the shop
- apply the appropriate preventive measures when handling hazardous or toxic materials
- do a thorough review of the safety of the shop

Task 2: Move a heavy object

On the basis of a simulation exercise, the candidate will move a heavy object by using the proper methods and preventive techniques. The candidate must:

- indicate the possible hazards and risks
- select the appropriate equipment for the move
- move the object using the proper technique

3. Materials

The candidates will have access to the following for the examination:

- an RV repair shop
- the appropriate equipment, accessories and components

EVALUATION FORM

RV MAINTENANCE AND REPAIR	Program code:	5714
2 – Occupational Health and Safety	Module code:	759 522
Candidate's name: _____		
School: _____	RESULT:	
Permanent code: _____	PASS	FAIL
Date of examination: _____	☐	☐
Examiner's signature: _____		

OBSERVATION			RESULT
	Yes	**No**	
TASK 1: ORGANIZE THE SHOP IN A SAFE MANNER			
1.1 Observance of the rules for setting up a safe shop			
During the simulation exercise, the candidate will organize the shop in a safe manner. The following requirements must be met:			
– spacious area	☐	☐	
– uncluttered area	☐	☐	
– safe installation of equipment	☐	☐	
– orderly storage of tools	☐	☐	
– adequate lighting	☐	☐	
– appropriate safety rules	☐	☐	0 or 10
Tolerance**:** one minor error			

OBSERVATION			RESULT
	Yes	**No**	
2.1 Accurate identification of hazards and risks			
The candidate must identify the hazards and risks associated with working in a shop or in an RV. The following requirements must be met:			
– meticulous work	☐	☐	
– application of safety measures	☐	☐	
– identification of WHMIS symbols	☐	☐	
– logical judgment	☐	☐	
– proper use of tools and equipment	☐	☐	
– observance of laws and regulations	☐	☐	
– caution with respect to physical hazards	☐	☐	0 or 15
Tolerance**:** one minor error			
2.2 Selection of personal protective equipment appropriate to the work situation:			
– gloves	☐	☐	
– safety glasses	☐	☐	
– work boots	☐	☐	
– mask	☐	☐	
– location of fountains and shower	☐	☐	
– location of first-aid kit	☐	☐	
– appropriate work clothes	☐	☐	0 or 10
2.3 Application of preventive measures appropriate to the risk factors present:			
– identification of materials to be handled	☐	☐	
– identification of symbols	☐	☐	
– safe workplace	☐	☐	
– reading of CSST pamphlets	☐	☐	
– application of occupational health and safety rules	☐	☐	0 or 5

OBSERVATION			RESULT
	Yes	**No**	
5.1 Complete review of the safety rules specific to the task at hand and the workstation:			
– reading of relevant manuals	☐	☐	
– work methods in conformity with standards	☐	☐	0 or 15
TASK 2: MOVE A HEAVY OBJECT			
3.1 Appropriate posture, body position and handling of materials			
During the simulation exercise, the candidate will adopt safe positions in the shop and in an RV. The following criteria must be met:			
– observance of proper work methods	☐	☐	
– legs providing solid support	☐	☐	
– legs used for lifting	☐	☐	
– no brusque movements	☐	☐	
– body facing the object	☐	☐	
– object kept close to body	☐	☐	
– object kept between the shoulders and the waist	☐	☐	
– checking of ground	☐	☐	
– use of handling techniques	☐	☐	
– safe postures	☐	☐	
– protection of head and back	☐	☐	0 or 25
Tolerance**:** one minor error			

OBSERVATION			RESULT
	Yes	**No**	
4.1 Accurate identification of the hazards and risks associated with transporting loads:			
– constant concern for safety	☐	☐	
– checking of the object	☐	☐	
– estimate of weight	☐	☐	
– distribution of weight	☐	☐	
– identification of movable parts	☐	☐	
– good grip on object	☐	☐	
– easy access	☐	☐	
– synchronized movements	☐	☐	
– proper technique and posture	☐	☐	0 or 10
4.2 Selection and appropriate use of equipment for handling materials, depending on the loads to be moved			
– use of appropriate materials	☐	☐	0 or 10
		Total:	_____ / 100
Minimum performance standard: 80 marks			

Comments: _____

_____

_____

PROGRAM: RV Maintenance and Repair **CODE:** 759 533

MODULE: 3 – GENERAL SHOP WORK

ANALYSIS AND SPECIFICATIONS TABLE

INFORMATION ON THE EVALUATION

EVALUATION FORM

ANALYSIS AND SPECIFICATIONS TABLE (BEHAVIOURAL OBJECTIVE)

PROGRAM: RV Maintenance and Repair

MODULE: 3 – GENERAL SHOP WORK **CODE:** 759 533

EXPECTED BEHAVIOUR: Carry out operations associated with general shop work

Specifications of the Expected Behaviour	Duration (%)	Indicators	W_i	Performance Criteria	W_c
A. Use hand tools to take a mechanical assembly apart and reassemble it.	20	1 Use of hand tools to take a simple mechanical assembly apart and reassemble it	25	1.1 Safe use of hand tools	15
				1.2 Quality of disassembly and reassembly work	10
B. Use instruments to measure components.	25	2 Use of instruments to measure components	10	2.1 Correct use of measuring instruments	10
C. Install fasteners.	25	3 Installation of fasteners	20	3.1 Observance of work procedures	10
				3.2 Quality of the assembly work carried out	10
D. Carry out machining operations on a bench and using machining equipment.	20	4 Use of electric and pneumatic tools and machining equipment	15	4.1 Correct use of tools and machining equipment	15
E. Use shop equipment.	10	5 Use of shop equipment	30	5.1 Observance of machining techniques	15
				5.2 Safe and correct use of tools and machining equipment	15

W_i: relative weighting of indicators W_c: relative weighting of performance criteria

RV MAINTENANCE AND REPAIR (5714)

759 533 – GENERAL SHOP WORK (Module 3)

INFORMATION ON THE EVALUATION

1. Information and Instructions

The purpose of this examination is to evaluate the candidates' ability to carry out operations associated with general shop work. The examination will consist of questions or simulation exercises.

2. Examination Procedure

This examination comprises one task: to take apart, repair and reassemble a simple mechanical assembly.

In the context of a simulation exercise, the candidate will repair a simple mechanical assembly in a shop, using the appropriate tools and safe work methods. The candidate must:

- choose the appropriate instruments
- correctly use hand tools
- take apart the simple mechanical assembly
- find the piece or part to be modified
- ensure that measurements are precise
- correctly modify the piece or part so that it adjusts to the fastener
- reassemble the manual jack
- ensure that the mechanical assembly works properly

3. Materials

The candidates will have access to the following for the examination:

- the RV repair shop
- the appropriate tools, measuring instruments and machining equipment
- a scale drawing and a machining sheet

EVALUATION FORM

RV MAINTENANCE AND REPAIR	Program code:	5714
3 – General Shop Work	Module code:	759 533
Candidate's name: _____		
School: _____	RESULT:	
Permanent code: _____	PASS	FAIL
Date of examination: _____	☐	☐
Examiner's signature: _____		

OBSERVATION	Yes	No	RESULT
TAKE APART, REPAIR AND REASSEMBLE A SIMPLE MECHANICAL ASSEMBLY			
1.1 Safe use of hand tools:			
– appropriate choice of tools	☐	☐	
– correct installation of parts or jack	☐	☐	
– correct use of			
- adjustable spanners	☐	☐	
- monkey wrench	☐	☐	
- adjustable pliers	☐	☐	
- hammers	☐	☐	
- awl	☐	☐	
– safe use of tools	☐	☐	0 or 15
Tolerance: one minor error related to safety			

OBSERVATION				RESULT
		Yes	No	
1.2	Quality of disassembly and reassembly work:			
	– appropriate handling	☐	☐	
	– observance of laws and regulations	☐	☐	
	– cleaning of parts	☐	☐	
	– proper storage of parts	☐	☐	
	– proper work technique	☐	☐	
	– appropriate choice of tools	☐	☐	
	– compliance with instructions	☐	☐	
	– correct lubrication	☐	☐	
	– cleanliness	☐	☐	0 or 10
	Tolerance: one minor error			
2.1	Correct use of measuring instruments:			
	– careful handling	☐	☐	
	– compliance with instructions	☐	☐	
	– accurate readings	☐	☐	
	– precise measurements	☐	☐	
	– use of the international system of measurement	☐	☐	
	– use of the imperial system of measurement	☐	☐	
	– reading of warning sheets	☐	☐	0 or 10
	Tolerance: one minor error			
3.1	Observance of work procedures:			
	– proper preparation for disassembly work	☐	☐	
	– proper preparation for reassembly work	☐	☐	
	– good lighting	☐	☐	
	– uncluttered space	☐	☐	
	– use of safety equipment	☐	☐	
	– observance of work sequence	☐	☐	0 or 10
	Tolerance**:** one minor error			

OBSERVATION				RESULT
		Yes	No	
3.2	Quality of the assembly work carried out:			
	– observance of work procedures	☐	☐	
	– appropriate choice of fasteners	☐	☐	
	– appropriate choice of tools	☐	☐	
	– correct reassembly work	☐	☐	
	– checking to ensure the assembly is solid	☐	☐	0 or 10
	Tolerance**:** one minor error			
4.1	Correct use of tools and machining equipment:			
	– appropriate choice of tools	☐	☐	
	– correct use of:			
	- an electric drill	☐	☐	
	- multiple-use rotary tool	☐	☐	
	- a round file	☐	☐	
	- vice grip	☐	☐	
	- sand paper	☐	☐	
	– safe use of tools	☐	☐	0 or 15
	Tolerance**:** one minor error			
5.1	Observance of machining techniques:			
	– constant concern for safety	☐	☐	
	– observance of the limitations of the equipment	☐	☐	
	– proper maintenance of equipment	☐	☐	
	– proper handling	☐	☐	
	– compliance with instructions	☐	☐	
	– observance of laws and regulations	☐	☐	
	– proper technique	☐	☐	
	– reading of instruction sheets	☐	☐	0 or 15
	Tolerance**:** one minor error			

OBSERVATION			RESULT
	Yes	**No**	
5.2 Safe and correct use of tools and machining equipment:			
– inspection of plug	☐	☐	
– wearing of a protective helmet	☐	☐	
– checking to ensure the tool is lubricated	☐	☐	
– proper use of the drill press	☐	☐	
– adjustment of speed	☐	☐	
– adjustment of vice	☐	☐	
– proper use of a stationary grinder	☐	☐	
– work gloves worn	☐	☐	
– use of pliers	☐	☐	
– checking of stone	☐	☐	0 or 15
Tolerance**:** one minor error			
		Total:	_____ / 100
Minimum performance standard: 80 marks			

Comments: _____

_____

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PROGRAM: RV Maintenance and Repair **CODE:** 759 542

MODULE: 4 – PLANS, TECHNICAL MANUALS AND SKETCHES

ANALYSIS AND SPECIFICATIONS TABLE

INFORMATION ON THE EVALUATION

EVALUATION FORM

ANALYSIS AND SPECIFICATIONS TABLE (BEHAVIOURAL OBJECTIVE)

PROGRAM: RV Maintenance and Repair

MODULE: 4 – PLANS, TECHNICAL MANUALS AND SKETCHES **CODE:** 759 542

EXPECTED BEHAVIOUR: Use plans, technical manuals and sketches

Specifications of the Expected Behaviour	Duration (%)	Indicators	W_i	Performance Criteria	W_c
A. Interpret the codes and symbols.	20	1 Interpretation of codes and symbols	15	1.1 Accurate interpretation of codes and symbols	15
B. Relate a plan and a system.	35	2 Location of elements	50	2.1 Accurate location on a plan of a system and its components	20
				2.2 Working from a plan, accurate location of a system and its components in the RV, in an appliance or on a piece of equipment	15
				2.3 Accurate location on a plan, in an RV or on a piece of equipment of the necessary information for carrying out a task	15

W_i: relative weighting of indicators W_c: relative weighting of performance criteria

ANALYSIS AND SPECIFICATIONS TABLE (BEHAVIOURAL OBJECTIVE)

PROGRAM: RV Maintenance and Repair

MODULE: 4 – PLANS, TECHNICAL MANUALS AND SKETCHES **CODE:** 759 542

EXPECTED BEHAVIOUR: Use plans, technical manuals and sketches

Specifications of the Expected Behaviour	Duration (%)	Indicators	W_i	Performance Criteria	W_c
C. Interpret safety warnings.	30	3 Safety warnings	20	3.1 Accurate identification of information relating to safety measures	10
				3.2 Correct association of warnings with the various stages of work	10
D. Draw sketches.	15	4 Drawing of sketch	15	4.1 Correct sketching	15

W_i: relative weighting of indicators W_c: relative weighting of performance criteria

RV MAINTENANCE AND REPAIR (5714)

759 542 – PLANS, TECHNICAL MANUALS AND SKETCHES (Module 4)

INFORMATION ON THE EVALUATION

1. Information and Instructions

The purpose of this examination is to evaluate the candidates' ability to use plans, technical manuals and sketches.

2. Examination Procedure

This theory examination comprises four tasks:

- interpret codes and symbols
- relate a plan and a system
- interpret safety warnings
- draw sketches

Task 1: Interpret codes and symbols

Using a plan for an RV, the candidate will identify the codes and symbols.

Task 2: Relate a plan and a system

In the context of a simulation exercise, the candidate will relate a plan and a system in an RV, as follows:

- accurately locate the system components on a plan
- working from a plan, accurately locate the system components in an RV or on a piece of equipment
- locate the necessary information for carrying out the task

Task 3: Interpret safety warnings

In the context of a simulation exercise where the candidate installs an RV component, the candidate will locate the necessary information and associate it with the correct step in the installation.

Task 4: Draw sketches

In the context of a simulation exercise, the candidate will draw a sketch that includes all relevant information, as follows:

- draw a clear, defined sketch
- draw a sketch in which shape and proportions are observed

3. Materials

The candidates will have access to the following for the examination:

- an RV
- the appropriate equipment, accessories and components (appliances, plans)
- the appropriate specialized tools
- installation, diagnostic and reference manuals
- course notes

EVALUATION FORM

RV MAINTENANCE AND REPAIR	Program code:	5714
4 – Plans, Technical Manuals and Sketches	Module code:	759 542

Candidate's name: _____

School: _____ RESULT:

Permanent code: _____ PASS ☐ FAIL ☐

Date of examination: _____

Examiner's signature: _____

OBSERVATION	Yes	No	RESULT
TASK 1: INTERPRET CODES AND SYMBOLS			
1.1 Accurate interpretation of codes and symbols	☐	☐	0 or 15
TASK 2: RELATE A PLAN AND A SYSTEM			
2.1 Accurate location on a plan of a system and its components			0 or 20
2.2 Working from a plan, accurate location of a system and its components in the RV, in an appliance or on a piece of equipment:			
– appropriate use of manuals	☐	☐	
– accurate interpretation of information	☐	☐	
– accurate location of components	☐	☐	
– correct identification of components	☐	☐	
– correct identification of wires	☐	☐	
– use of a verifier	☐	☐	0 or 15
Tolerance: one error			

OBSERVATION			RESULT
	Yes	**No**	
2.3 Accurate location on a plan, in an RV or on a piece of equipment of the necessary information for carrying out a task:			
– appropriate use of manuals	☐	☐	
– accurate interpretation of information	☐	☐	
– accurate location of components	☐	☐	
– correct identification of components	☐	☐	
– correct identification of pipe dimensions	☐	☐	
– correct identification of dimensions of connections	☐	☐	
– correct identification of type of connections	☐	☐	
– identification of where the repair needs to be done	☐	☐	0 or 15
Tolerance: one minor error			
TASK 3: INTERPRET SAFETY WARNINGS			
3.1 Accurate identification of information relating to safety measures	☐	☐	0 or 10
3.2 Correct association of warnings with the various stages of work:			
– conscientious work	☐	☐	
– correct identification of symbols	☐	☐	
– careful reading	☐	☐	0 or 10
Tolerance: one error			

OBSERVATION			RESULT
	Yes	**No**	
TASK 4: DRAW SKETCHES			
4.1 Correct sketching:			
– observance of shape	☐	☐	
– clarity of drawing	☐	☐	
– inclusion of all relevant information	☐	☐	
– observance of proportions	☐	☐	
– compliance with instructions	☐	☐	0 or 15
Tolerance: one error			
		Total:	_____ / 100
Minimum performance standard: 75 marks			

Comments: _____

_____

_____

PROGRAM: RV Maintenance and Repair **CODE:** 759 554

MODULE: 5 – CARPENTRY

ANALYSIS AND SPECIFICATIONS TABLE

INFORMATION ON THE EVALUATION

EVALUATION FORM

ANALYSIS AND SPECIFICATIONS TABLE (BEHAVIOURAL OBJECTIVE)

PROGRAM: RV Maintenance and Repair

MODULE: 5 – CARPENTRY **CODE:** 759 554

EXPECTED BEHAVIOUR: Do carpentry work

Specifications of the Expected Behaviour	Duration (%)	Indicators	W_i	Performance Criteria	W_c
A. Plan and organize the work.	5				
B. Fabricate a unit.	10	1 Fabrication of a unit	15	1.1 Correct fabrication of the unit	15
C. Install a unit in an RV.	20	2 Installation of a unit in an RV	15	2.1 Correct installation of the unit	15
D. Modify a unit.	20	3 Modification of a unit	15	3.1 Modification in conformity with specifications	15
E. Adjust a door, a window and a drawer.	20	4 Adjustment of a door, a window and a drawer	15	4.1 Correct adjustment of a door, a window and a drawer	15
F. Carry out minor repairs on a floor or wall.	10	5 Minor repairs on a floor or wall	40	5.1 Proper reinforcement of RV	25
				5.2 Application of repair techniques appropriate to the floor or wall covering	15
G. Finish surfaces.	5				
H. Complete the work.	5				
I. Record relevant information.	5				

W_i: relative weighting of indicators W_c: relative weighting of performance criteria

RV MAINTENANCE AND REPAIR (5714)

759 554 – CARPENTRY (Module 5)

INFORMATION ON THE EVALUATION

1. Information and Instructions

The purpose of this examination is to evaluate the candidates' ability to do carpentry work. The suggested duration is six hours.

2. Examination Procedure

This examination comprises four tasks:

- fabricate a simple unit
- install a unit in an RV
- modify a unit
- adjust a door and a window, and install an interior wall covering

Task 1: Fabricate a simple unit

In the context of a simulation exercise based on the customer's needs, the candidate will fabricate a simple unit for an RV. This unit must comply with the specified dimensions, and have a level surface and well-fitting mouldings.

Task 2: Install a unit in an RV

In the context of a simulation exercise based on the customer's needs, the candidate will install a unit in an RV, as follows:

- properly reinforce the RV structure
- adjust the unit to the fixed structure

Task 3: Modify a unit

In the context of a simulation exercise based on the customer's needs, the candidate will modify a unit in an RV, as follows:

- ensure the modification conforms with specifications
- carefully finish the work

Task 4: Adjust a door and a window, and install an interior wall covering

In the context of a simulation exercise based on the customer's needs, the candidate will adjust a door and a window in an RV and install an interior wall covering, as follows:

- solidify the wood structure
- correctly install the wall covering
- adjust the door and window so that there is a tight seal
- solidify the frame and hinges

3. Materials

The candidates will have access to the following for the examination:

- an RV
- the appropriate equipment, accessories and components (woodwork, and construction and finishing materials)
- the appropriate specialized tools
- installation, diagnostic and reference manuals
- course notes

EVALUATION FORM

RV MAINTENANCE AND REPAIR	Program code:	5714
5 – Carpentry	Module code:	759 554
Candidate's name: _____		
School: _____	RESULT:	
Permanent code: _____	PASS ☐	PASS ☐
Date of examination: _____		
Examiner's signature: _____		

OBSERVATION	Yes	No	RESULT
COMPREHENSIVE FORM			
TASK 1: FABRICATE A SIMPLE UNIT			
1.1 Correct fabrication of the unit:			
– observance of customer's needs	☐	☐	
– observance of correct measurements	☐	☐	
– precise, clean cuts	☐	☐	
– solidity of the frame	☐	☐	
– level, straight surfaces	☐	☐	
– well-fitting mouldings	☐	☐	0 or 15
Tolerance: two minor errors			
TASK 2: INSTALL A UNIT IN AN RV			
2.1 Correct installation of the unit:			
– use of appropriate tools	☐	☐	
– modification of the environment	☐	☐	
– reinforcement of the RV structure	☐	☐	
– installation of floor or floor covering	☐	☐	
– proper installation of moulding in the unit	☐	☐	
– visually pleasing installation	☐	☐	
– square, level installation	☐	☐	
– solid installation	☐	☐	
– appropriate adjustment of unit to the fixed surface	☐	☐	
– cleanliness of the work	☐	☐	0 or 15
Tolerance: one error			

OBSERVATION	Yes	No	RESULT
TASK 3: MODIFY A UNIT			
3.1 Modification in conformity with specifications:			
– modification in conformity with specifications	☐	☐	
– use of appropriate tools	☐	☐	
– use of proper materials	☐	☐	
– proper reinforcement of structure	☐	☐	
– square, level unit	☐	☐	
– solid unit	☐	☐	
– visually pleasing finishing	☐	☐	0 or 15
Tolerance: two minor errors			
TASK 4: ADJUST A DOOR AND A WINDOW, AND INSTALL AN INTERIOR WALL COVERING			
4.1 Correct adjustment of a door, a window and a drawer:			
– tight seal on door and window	☐	☐	
– solidity of the frame and hinges	☐	☐	
– functional lock	☐	☐	
– no rubbing between the parts	☐	☐	
– neat, attractive finish	☐	☐	0 or 15
Tolerance: one error			
5.1 Proper reinforcement of RV:			
– solidity of the frame	☐	☐	
– level supporting beams	☐	☐	
– nonhazardous nail heads	☐	☐	
– straight, level surfaces	☐	☐	
– incorporation of wiring and plumbing, if necessary	☐	☐	
– other	☐	☐	0 or 25
Tolerance: one minor error			

OBSERVATION			RESULT
	Yes	**No**	
5.2 Application of repair techniques appropriate to the floor or wall covering:			
– solid	☐	☐	
– level	☐	☐	
– clean, precise cuts	☐	☐	
– visually pleasing repair	☐	☐	
– hidden nails	☐	☐	
– well-fitting mouldings	☐	☐	0 or 15
Tolerance: one minor error			
		Total: _____ / 100	

Pass/fail condition: In the event of a serious error related to health and safety rules, the examination will immediately be stopped and the candidate will fail.

Minimum performance standard: 75 marks

Comments: _____

_____

_____

PROGRAM: RV Maintenance and Repair **CODE:** 759 565

MODULE: 6 – PLUMBING

ANALYSIS AND SPECIFICATIONS TABLE

INFORMATION ON THE EVALUATION

EVALUATION FORM

ANALYSIS AND SPECIFICATIONS TABLE (BEHAVIOURAL OBJECTIVE)

PROGRAM: RV Maintenance and Repair

MODULE: 6 – PLUMBING **CODE:** 759 565

EXPECTED BEHAVIOUR: Do plumbing work

Specifications of the Expected Behaviour	Duration (%)	Indicators	W_i	Performance Criteria	W_c
A. Plan and organize the work.	10	1 Planning of the work	5	1.1 Correct interpretation of material safety data sheets and technical manuals	5
B. Prepare the plumbing system to be worked on.	10	2 Preparation of the system	5	2.1 Correct preparation of the system	5
C. Replace a fixture, an accessory or a component.	20	3 Replacement of a fixture, an accessory or a component.	20	3.1 Compatibility of the replacement fixture with the current system	10
				3.2 Correct installation of the fixture or accessory	10
D. Repair a component of the pipes and fittings.	20	4 Repair of pipes and fittings	20	4.1 Accurate identification of the source of the problem	10
				4.2 Proper sealing of the leak	10
E. Install a new fixture or accessory.	20	5 Installation of a fixture or accessory	20	5.1 Compatibility of the fixture or accessory with the current system	15

W_i: relative weighting of indicators W_c: relative weighting of performance criteria

ANALYSIS AND SPECIFICATIONS TABLE (BEHAVIOURAL OBJECTIVE)

PROGRAM: RV Maintenance and Repair

MODULE: 6 – PLUMBING **CODE:** 759 565

EXPECTED BEHAVIOUR: Do plumbing work

Specifications of the Expected Behaviour	Duration (%)	Indicators	W_i	Performance Criteria	W_c
				5.2 Appropriate placement of the fixture or accessory	5
F. Maintain holding tanks.	15	6 Maintenance of holding tanks	15	6.1 Thorough cleaning and disinfection of holding tanks	5
				6.2 Thorough check of holding tanks	10
G. Complete the work.	5	7 Final check of work	10	7.1 Systematic check to ensure the plumbing system is working properly	10
H. Record relevant information.		8 Reports and records	5	8.1 Complete record of the work done	5

W_i: relative weighting of indicators W_c: relative weighting of performance criteria

RV MAINTENANCE AND REPAIR (5714)

759 565 – PLUMBING (Module 6)

INFORMATION ON THE EVALUATION

1. Information and Instructions

The purpose of this examination is to evaluate the candidates' ability to do plumbing work.

2. Examination Procedure

This examination comprises four tasks:

- replace a fixture
- repair a component of the pipes and fittings
- install a new fixture
- do the maintenance on holding tanks

Task 1: Replace a fixture

In the context of a simulation exercise based on the customer's needs, the candidate will replace a plumbing fixture (water heater, water pump, toilet, shower, faucet, etc.) in an RV, as follows:

- interpret the material safety data sheets and technical manuals
- prepare the system
- ensure that the replacement fixture is compatible with the current system
- correctly install the fixture

Task 2: Repair a component of the pipes and fittings

In the context of a simulation exercise based on the customer's needs, the candidate will repair a component of the pipes and fittings, as follows:

- identify the source of the problem
- seal the leak

Task 3: Install a new fixture

In the context of a simulation exercise based on the customer's needs, the candidate will install a new fixture (outside shower, water filtration system, washer, etc.) in an RV, as follows:

- ensure that the fixture is compatible with the current system
- determine where the fixture should be installed
- record all of the work done

Task 4: Do the maintenance on holding tanks

In the context of a simulation exercise based on the customer's needs, the candidate will do the maintenance on holding tanks, as follows:

- clean and disinfect the tanks
- thoroughly check the tanks

3. Materials

The candidates will have access to the following for the examination:

- an RV
- the appropriate equipment, accessories and components
- the appropriate specialized tools
- installation, diagnostic and reference manuals
- course notes

EVALUATION FORM

RV MAINTENANCE AND REPAIR	Program code:	5714
6 – Plumbing	Module code:	759 565
Candidate's name: _____		
School: _____	RESULT:	
Permanent code: _____	PASS	FAIL
Date of examination: _____	☐	☐
Examiner's signature: _____		

OBSERVATION	Yes	No	RESULT
COMPREHENSIVE FORM			
TASK 1: REPLACE A FIXTURE			
STEP 1: PREPARE THE SYSTEM			
1.1 Correct interpretation of material safety data sheets and technical manuals:			
– enlarged views	☐	☐	
– name of components	☐	☐	0 or 5
2.1 Correct preparation of the system:			
– water supply shut off	☐	☐	
– complete drainage of system	☐	☐	
– electrical circuit switched off	☐	☐	
– propane gas supply shut off	☐	☐	
– removal of fixture to be replaced	☐	☐	0 or 5
Tolerance: one minor error that does not result in any damage or danger			

OBSERVATION			RESULT
	Yes	**No**	
STEP 2: INSTALL THE SYSTEM			
3.1 Compatibility of the replacement fixture with the current system:			
– consideration of the space available	☐	☐	
– size of pipes and fittings	☐	☐	0 or 10
3.2 Correct installation of the fixture:			
– modification of the environment	☐	☐	
– assembly of the fixture	☐	☐	
– protection of the fixture	☐	☐	
– leak tight connections	☐	☐	
– solid installation	☐	☐	
– proper functioning of the fixture	☐	☐	
– cleanliness of the work	☐	☐	0 or 10
Tolerance: one minor error			
7.1 Systematic check to ensure that the plumbing system is working properly:			
– leak tight connections	☐	☐	
– solid installation	☐	☐	
– invisible work	☐	☐	
– detection of leaks	☐	☐	
– conformity of water lines	☐	☐	0 or 10
TASK 2: REPAIR A COMPONENT OF THE PIPES AND FITTINGS			
4.1 Accurate identification of the source of the problem:			
– search for leaks	☐	☐	
– location of leak	☐	☐	
– evaluation of surrounding damage	☐	☐	0 or 10

OBSERVATION			RESULT
	Yes	**No**	
4.2 Proper sealing of the leak:			
– choice of compatible components	☐	☐	
– appropriate choice of tools	☐	☐	
– correct installation of pipes and fittings	☐	☐	
– leak tight connections	☐	☐	0 or 10
TASK 3: INSTALL A NEW FIXTURE			
5.1 Compatibility of the fixture with the current system:			
– compliance with technical specifications	☐	☐	
– consideration of the space available	☐	☐	0 or 15
5.2 Appropriate placement of the fixture:			
– consideration of customer's needs	☐	☐	
– accessibility	☐	☐	
– accessible water lines	☐	☐	
– visually pleasing installation	☐	☐	0 or 5
8.1 Complete record of the work done:			
– hours worked	☐	☐	
– details of the work	☐	☐	
– parts changed	☐	☐	
– comments	☐	☐	0 or 5
TASK 4: DO THE MAINTENANCE ON HOLDING TANKS			
6.1 Thorough cleaning and disinfection of holding tanks:			
– use of appropriate products	☐	☐	
– use of appropriate tools	☐	☐	
– thorough cleaning and disinfection of holding tanks	☐	☐	0 or 5

OBSERVATION			RESULT
	Yes	**No**	
6.2 Thorough check of holding tanks:			
– proper functioning of drain valves	☐	☐	
– vents	☐	☐	
– adapters	☐	☐	
– fasteners	☐	☐	
– connections	☐	☐	
– leak tight joints	☐	☐	
– search for leaks	☐	☐	
– soil pipes	☐	☐	0 or 10
		Total:	_____ / 100
Minimum performance standard: 80 marks			

Comments: _____

_____

_____

PROGRAM: RV Maintenance and Repair **CODE:** 759 572

MODULE: 7 – MAINTAINING AN RV

ANALYSIS AND SPECIFICATIONS TABLE

INFORMATION ON THE EVALUATION

EVALUATION FORM

ANALYSIS AND SPECIFICATIONS TABLE (BEHAVIOURAL OBJECTIVE)

PROGRAM: RV Maintenance and Repair

MODULE: 7 – MAINTAINING AN RV **CODE:** 759 572

EXPECTED BEHAVIOUR: Maintain an RV

Specifications of the Expected Behaviour	Duration (%)	Indicators	W_i	Performance Criteria	W_c
A. Prepare the RV for winter storage.	40	1 Preparation of the RV for winter storage	40	1.1 Correct preparation of plumbing system for winter	20
				1.2 Correct preparation of the RV for storage	20
B. Carry out mechanical maintenance on the RV.	30	2 Mechanical maintenance of the RV	30	2.1 Correct maintenance of RV wheels	15
				2.2 Careful adjustment of brakes	15
C. Maintain the body of the RV.	20	3 Washing and maintenance of the body of the RV	30	3.1 Thorough washing of RV	10
				3.2 Proper maintenance of RV exterior	10
				3.3 Correct application of roof sealer	10
D. Record relevant information.	10				

W_i: relative weighting of indicators W_c: relative weighting of performance criteria

RV MAINTENANCE AND REPAIR (5714)

759 572 – MAINTAINING AN RV (Module 7)

INFORMATION ON THE EVALUATION

1. Information and Instructions

The purpose of this practical examination is to evaluate the candidates' ability to maintain an RV.

2. Examination Procedure

This examination comprises four tasks:

- prepare an RV for winter
- prepare an RV for storage
- do the maintenance on the wheels and adjust the brakes
- wash and do maintenance on the RV exterior

Task 1: Prepare an RV for winter

In the context of a simulation exercise, the candidate will prepare an RV for the winter, as follows:

- completely drain the pipes
- inject antifreeze into the pipes
- install a bypass system

Task 2: Prepare an RV for storage

In the context of a simulation exercise, the candidate will prepare an RV for storage, as follows:

- close the propane gas tanks
- disconnect the battery
- protect the accessories
- tilt the vehicle
- protect the openings

Task 3: Do the maintenance on the wheels and adjust the brakes

In the context of a simulation exercise, the candidate will do the maintenance on the wheels and adjust the brakes, as follows:

- check the condition of the tires
- grease the ball bearings
- adjust the torque on the wheel lugs
- check the brake drum
- check the electromagnet
- check the moving parts

Task 4: Wash and do maintenance on the RV exterior

In the context of a simulation exercise, the candidate will do the maintenance on the RV exterior, as follows:

- use the appropriate products
- use the proper methods for washing the RV to ensure that it is protected
- do paint touch-ups
- tighten the anchor screws on exterior accessories
- apply the roof sealer

3. Materials

The candidates will have access to the following for the examination:

- an RV
- the appropriate equipment, accessories and components
- the appropriate specialized tools

EVALUATION FORM

RV MAINTENANCE AND REPAIR	Program code:	5714
7 – Maintaining an RV	Module code:	759 572

Candidate's name: _____

School: _____ RESULT:

Permanent code: _____ PASS ☐ FAIL ☐

Date of examination: _____

Examiner's signature: _____

OBSERVATION	Yes	No	RESULT
TASK 1: PREPARE AN RV FOR WINTER			
1.1 Correct preparation of plumbing system for winter:			
– draining of hot-water tank	☐	☐	
– thorough draining of holding tanks	☐	☐	
– thorough draining of all equipment using water	☐	☐	
– installation of a bypass system	☐	☐	
– system in operational mode	☐	☐	
– injection of antifreeze into the plumbing system	☐	☐	
– cleaning of all equipment through which water circulates	☐	☐	
– winterization of water pump	☐	☐	0 or 20
Tolerance: one minor error			
TASK 2: PREPARE AN RV FOR STORAGE			
1.2 Correct preparation of the RV for storage:			
– protection of tires	☐	☐	
– protection of openings	☐	☐	
– protection of vents	☐	☐	
– protection of pressure regulators	☐	☐	
– protection of locks	☐	☐	
– protection of slide-outs	☐	☐	
– protection of unpainted aluminum surfaces	☐	☐	

OBSERVATION	Yes	No	RESULT
– closing and protection of propane gas tanks	☐	☐	
– storage of battery	☐	☐	
– slight tilting of vehicle	☐	☐	0 or 20
Tolerance: two minor errors			
TASK 3: DO THE MAINTENANCE ON THE WHEELS AND ADJUST THE BRAKES			
2.1 Correct maintenance of RV wheels:			
– checking of tire condition	☐	☐	
– checking of air pressure	☐	☐	
– application of safety rules	☐	☐	
– choice of appropriate tools	☐	☐	
– conformity of work with established requirements	☐	☐	
– appropriate tightening of wheel lugs	☐	☐	
– proper greasing of ball bearings	☐	☐	
– safe lifting of RV	☐	☐	
– observance of manufacturer's instructions	☐	☐	
– meticulous work	☐	☐	0 or 15
Tolerance: one minor error			
2.2 Careful adjustment of brakes:			
– adjustment of bands	☐	☐	
– checking of electromagnet	☐	☐	
– checking of drum	☐	☐	
– application of safety rules	☐	☐	
– choice of appropriate tools	☐	☐	
– use of proper materials	☐	☐	
– conformity of work with established requirements	☐	☐	
– compliance with requirements	☐	☐	
– proper cleaning of parts	☐	☐	
– cleanliness of work area	☐	☐	
– proper work techniques	☐	☐	

OBSERVATION	Yes	No	RESULT
– neat work	☐	☐	0 or 15
Tolerance: one minor error			
TASK 4: WASH AND DO MAINTENANCE ON THE RV EXTERIOR			
3.1 Thorough washing of RV:			
– use of appropriate products	☐	☐	
– proper washing technique	☐	☐	
– proper rinsing technique	☐	☐	
– proper cleaning of windows	☐	☐	
– quality control	☐	☐	0 or 10
3.2 Proper maintenance of RV exterior:			
– tightening of anchor screws (awning)	☐	☐	
– installation of sticker	☐	☐	
– paint touch-ups	☐	☐	
– protection of surface	☐	☐	
– quality control	☐	☐	0 or 10
3.3 Correct application of roof sealer:			
– use of appropriate products (roof)	☐	☐	
– removal of old sealer	☐	☐	
– proper mixing of product	☐	☐	
– careful application	☐	☐	
– visual inspection (drips)	☐	☐	
– quality control	☐	☐	0 or 10
Tolerance: one minor error			
		Total:	_____ / 100
Minimum performance standard: 80 marks			

Comments: _____

_____

PROGRAM: RV Maintenance and Repair **CODE:** 759 582

MODULE: 8 – WELDING AND CUTTING

ANALYSIS AND SPECIFICATIONS TABLE

INFORMATION ON THE EVALUATION

EVALUATION FORM

ANALYSIS AND SPECIFICATIONS TABLE (BEHAVIOURAL OBJECTIVE)

PROGRAM: RV Maintenance and Repair

MODULE: 8 – WELDING AND CUTTING **CODE:** 759 582

EXPECTED BEHAVIOUR: Apply welding and cutting techniques

Specifications of the Expected Behaviour	Duration (%)	Indicators	W_i	Performance Criteria	W_c
A. Assess the nature of the work to be carried out.	10	1 Interpretation of the work plan	10	1.1 Accurate interpretation of the work plan and manufacturers' instructions	10
B. Prepare to do the work.	10	2 Preparation of pieces	30	2.1 Appropriate use of tools and equipment	10
				2.2 Rigorous application of individual and collective protective measures	20
C. Set up the electric arc welding equipment.	20	3 Setup of workstation	15	3.1 Proper setup of workstation	15
D. Carry out flat welding on metals.	20	4 Welding	20	4.1 Observance of welding methods and techniques	20
E. Carry out oxyacetylene cutting on metals.	20	5 Cutting in the flat and vertical positions	10	5.1 Observance of cutting methods and techniques	10
F. Clean the cuts and welds.	5	6 Cleaning of cuts and welds	10	6.1 Cleanness of cuts and welds	10
G. Visually evaluate the cuts and welds.	10				
H. Clean up the work area.	5	7 Orderliness and cleanliness of the work area	5	7.1 Storage of products in conformity with regulations	5

W_i: relative weighting of indicators W_c: relative weighting of performance criteria

RV MAINTENANCE AND REPAIR (5714)

759 582 – WELDING AND CUTTING (Module 8)

INFORMATION ON THE EVALUATION

1. Information and Instructions

The purpose of this practical examination is to evaluate the candidates' ability to apply welding and cutting techniques.

2. Examination Procedure

This competency could be demonstrated using a task, for example:

- prepare, assemble and install a bicycle rack

In the context of a simulation exercise based on the customer's needs with respect to a bicycle rack, the candidate will prepare, assemble and install the rack, as follows:

- interpret the work plan and instructions
- comply with plans, sketches and instruction manuals
- set up the oxyacetylene welding equipment
- do the oxyacetylene welding
- evaluate the cuts
- assemble the pieces
- use the appropriate tools and equipment
- set up the arc or semi-automatic welding equipment
- do the welding
- evaluate the welds
- apply safety measures
- install the rack on the RV

3. Materials

The candidates will have access to the following for the examination:

- an RV
- the appropriate equipment, accessories and components
- the appropriate specialized tools

EVALUATION FORM

RV MAINTENANCE AND REPAIR	Program code:	5714
8 – Welding and Cutting	Module code:	759 582
Candidate's name: _____		
School: _____	RESULT:	
Permanent code: _____	PASS	FAIL
Date of examination: _____	☐	☐
Examiner's signature: _____		

OBSERVATION				RESULT
		Yes	**No**	
1.1	Accurate interpretation of the work plan and manufacturers' instructions			
	The candidate must meet the following conditions:			
	– accurate measurements	☐	☐	
	– observance of scale	☐	☐	
	– identification of pieces	☐	☐	
	– correct markings	☐	☐	
	– accurate interpretation of symbols	☐	☐	0 or 10
	Tolerance: one minor error			
5.1	Observance of cutting methods and techniques			
	During the simulation exercise, the candidate will carry out oxyacetylene cutting on metals in the flat and vertical positions. The candidate must meet the following requirements:			
	– adherence to the plan or sketch	☐	☐	
	– observance of work methods	☐	☐	
	– observance of safety standards	☐	☐	
	– good point of support	☐	☐	
	– good speed of execution	☐	☐	
	– adjustment of flame	☐	☐	

OBSERVATION			RESULT
	Yes	**No**	
– good position	☐	☐	
– choice of tools	☐	☐	
– conformity with requirements	☐	☐	
– careful work	☐	☐	0 or 10
Tolerance: one minor error			
3.1 Proper setup of arc or semi-automatic welding workstation			
The candidate must meet the following requirements:			
– compliance with manufacturer's instructions	☐	☐	
– joining of cables	☐	☐	
– inspection of pieces	☐	☐	
– installation of filler rods	☐	☐	
– installation of argon tanks	☐	☐	
– solid attachment of welding grounds	☐	☐	0 or 15
Tolerance: one minor error			
4.1 Observance of flat welding methods and techniques for metals			
The candidate must meet the following requirements:			
– proper adjustment of electrical intensity	☐	☐	
– appropriate use of tools	☐	☐	
– application of safety rules	☐	☐	
– appropriate choice of accessories	☐	☐	
– appropriate choice of type of welding to be done	☐	☐	
– safe environment	☐	☐	
– appropriate use of equipment	☐	☐	
– equipment shut off when being moved	☐	☐	
– observance of work techniques	☐	☐	
– conformity with requirements	☐	☐	

OBSERVATION			RESULT
		Yes / No	
	– observance of manufacturers' manuals	☐ ☐	
	– meticulous work	☐ ☐	0 or 20
	Tolerance: one minor error not related to safety		
6.1	Cleanness of cuts and welds:		
	CUTS		
	– straightness and smoothness	☐ ☐	
	– prescribed width	☐ ☐	
	– no residue	☐ ☐	
	– final cleaning	☐ ☐	
	WELDS		
	– straightness and smoothness	☐ ☐	
	– prescribed width	☐ ☐	
	– absence of porosity	☐ ☐	
	– even penetration	☐ ☐	
	– removal of flux	☐ ☐	0 or 10
	Tolerance: one minor error		
2.2	Rigorous application of individual and collective protective measures:		
	– appropriate strength safety glasses	☐ ☐	
	– prescribed width	☐ ☐	
	– appropriate special gloves	☐ ☐	
	– welding apron	☐ ☐	
	– appropriate protective shoes	☐ ☐	
	– checking of valves	☐ ☐	
	– good ventilation	☐ ☐	
	– safe environment	☐ ☐	
	– extinguisher nearby	☐ ☐	0 or 20

OBSERVATION				RESULT
		Yes	**No**	
2.1	Appropriate use of tools and equipment:			
	– welding hammer	☐	☐	
	– steel brushes	☐	☐	
	– nozzle cleaners	☐	☐	
	– silicone protector	☐	☐	
	– pliers for nozzle cleaning	☐	☐	
	– C-clamps	☐	☐	0 or 10
	Tolerance: one minor error			
7.1	Storage of products in conformity with regulations	☐	☐	0 or 5
			Total: ____ / 100	

Pass/fail condition: In the event of a serious error related to health and safety rules, the examination will immediately be stopped and the candidate will fail.

Minimum performance standard: 80 marks

Comments: _____

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PROGRAM: RV Maintenance and Repair **CODE:** 759 592

MODULE: 9 – HEALTH AND SAFETY: PROPANE GAS

ANALYSIS AND SPECIFICATIONS TABLE

INFORMATION ON THE EVALUATION

EVALUATION FORM

ANALYSIS AND SPECIFICATIONS TABLE (BEHAVIOURAL OBJECTIVE)

PROGRAM: RV Maintenance and Repair

MODULE: 9 – HEALTH AND SAFETY: PROPANE GAS **CODE:** 759 592

EXPECTED BEHAVIOUR: Observe health and safety rules for working with propane gas

Specifications of the Expected Behaviour	Duration (%)	Indicators	W_i	Performance Criteria	W_c
A. Establish a procedure, using the propane gas code and amendments to it.	10				
B. Identify the hazards associated with propane gas.	30	1 Techniques and methods used	35	1.1 Proper use of detection methods and techniques	25
				1.2 Use of safe work techniques	10
C. Use, handle and store propane gas tanks and cylinders.	30	2 Use, handling and storage of propane gas tanks and cylinders	40	2.1 Correct installation of a propane gas cylinder	25
				2.2 Proper handling and moving of propane gas cylinders	15
D. Fill a propane gas cylinder.	30	3 Filling of a propane gas cylinder	25	3.1 Meticulous check of the condition of the cylinder	15
				3.2 Correct application of filling techniques	10

W_i: relative weighting of indicators W_c: relative weighting of performance criteria

RV MAINTENANCE AND REPAIR (5714)

759 592 – HEALTH AND SAFETY: PROPANE GAS (Module 9)

INFORMATION ON THE EVALUATION

1. Information and Instructions

The purpose of this examination is to evaluate the candidates' ability to observe health and safety rules for working with propane gas. The examination may consist of questions or simulation exercises.

2. Examination Procedure

This examination could comprise three tasks:

- locate a propane gas leak in an RV
- install a propane gas cylinder
- fill a propane gas cylinder

All relevant documentation is permitted.

Task 1: Locate a propane gas leak in an RV

In the context of a simulation exercise, the candidate will locate a propane gas leak in an RV. The examiner will use a nonexplosive gas cylinder and contact paper. The candidate must apply appropriate detection methods and techniques as well as safe work techniques at all times. The candidate must locate where the contact paper is covered and detect the air leak.

Task 2: Install a propane gas cylinder

The candidate will install gas propane cylinders on an RV and correctly apply the relevant safety rules, as follows:

- check the valve on the tank in order to detect a leak
- check the base or collar
- correctly handle and move the cylinder
- check that the support assembly is securely attached
- check that the cylinder is securely attached to the support assembly
- make the connections correctly
- check that connections are leak tight

- ensure that the cabinet is properly ventilated, if applicable
- ensure that the cylinder is physically safe
- apply appropriate preventive measures

Task 3: Fill a propane gas cylinder

The candidate will fill a propane gas cylinder, observing all occupational health and safety rules, as follows:

- carefully check the condition of the cylinder
- safely transport the cylinder to the tank
- check the cylinder's use-by date
- check the cylinder's weight
- purge the cylinder
- adjust the scale weight or meter
- wear gloves
- ensure there are no sparks or open flames
- correctly attach the filling nozzle
- open the valve of the filling nozzle
- put the switch in the "on" position
- observe the maximum amount of gas permitted, that is 80% capacity
- correctly replace the filling nozzle
- close the cylinder

3. Materials

The candidates will have access to the following for the examination:

- an RV repair shop
- the appropriate equipment, accessories and components
- a dispensing station

EVALUATION FORM

RV MAINTENANCE AND REPAIR	Program code:	5714
9 – Health and Safety: Propane Gas	Module code:	759 592
Candidate's name: _____		
School: _____	RESULT:	
Permanent code: _____	PASS	FAIL
Date of examination: _____	☐	☐
Examiner's signature: _____		

OBSERVATION	Yes	No	RESULT
TASK 1: LOCATE A PROPANE GAS LEAK IN AN RV			
1.1 Proper use of detection methods and techniques:			
– proper handling	☐	☐	
– observance of laws and regulations	☐	☐	
– proper use of technique	☐	☐	
– thorough examination	☐	☐	
– smell check for odours	☐	☐	
– hearing check of the pressure regulator	☐	☐	
– use of a soap solution	☐	☐	
– use of an electronic leak detector	☐	☐	
– use of a manometer	☐	☐	
– detection of gas odour	☐	☐	
– detection of gas leak	☐	☐	0 or 25
Tolerance: one minor error not related to laws and regulations			
1.2 Use of safe work techniques:			
– absence of open flames	☐	☐	
– use of appropriate tools	☐	☐	
– gloves worn, if applicable	☐	☐	

OBSERVATION	Yes	No	RESULT
– good ventilation of work area	☐	☐	
– controlled, careful handling	☐	☐	
– compliance with instructions	☐	☐	
– reading of warning sheets	☐	☐	
– recognition of WHMIS symbols	☐	☐	0 or 10
Tolerance: one minor error			
TASK 2: INSTALL A PROPANE GAS CYLINDER			
2.1 Correct installation of a propane gas cylinder:			
– checking of the cylinder valve in order to detect a leak	☐	☐	
– observance of applicable laws and regulations	☐	☐	
– checking of base	☐	☐	
– checking of collar	☐	☐	
– checking to ensure that the support assembly is securely attached	☐	☐	
– checking to ensure that the cylinder is securely attached to the support assembly	☐	☐	
– connections properly made	☐	☐	
– connections properly attached	☐	☐	
– checking to ensure connections are leak tight	☐	☐	
– proper ventilation of cabinet, if applicable	☐	☐	
– physical safety of cylinder	☐	☐	
– application of appropriate preventive measures	☐	☐	0 or 25
Tolerance: one minor error not related to laws and regulations			
2.2 Proper handling and moving of propane gas cylinders:			
– good posture	☐	☐	
– location of leak	☐	☐	
– gloves worn	☐	☐	

OBSERVATION			RESULT
	Yes	**No**	
– workboots worn	☐	☐	
– safety plugs worn	☐	☐	
– good balance	☐	☐	
– cylinder held in a vertical position	☐	☐	
– protection of valves	☐	☐	
– absence of flame during transport	☐	☐	
– ventilation of the means of transport	☐	☐	
– cylinder securely attached during transport	☐	☐	
– use of a dolly	☐	☐	0 or 15
Tolerance: one minor error			
TASK 3: FILL A PROPANE GAS CYLINDER			
3.1 Meticulous check of the condition of the cylinder:			
– constant concern for safety	☐	☐	
– leak tight cylinder	☐	☐	
– smell check for odours	☐	☐	
– rust check	☐	☐	
– paint check	☐	☐	
– checking of the cylinder's use-by date	☐	☐	0 or 15
Tolerance: one minor error			
3.2 Correct application of filling techniques:			
– use of conversion tables	☐	☐	
– complete purging of cylinder	☐	☐	
– use of appropriate materials	☐	☐	
– checking of cylinder weight	☐	☐	
– adjustment of the scale weight or meter	☐	☐	
– absence of sparks or open flames	☐	☐	
– correct attachment of filling nozzle	☐	☐	

OBSERVATION			RESULT
	Yes	**No**	
– observance of the maximum amount of gas permitted (i.e. 80% capacity)	☐	☐	
– correct replacement of filling nozzle	☐	☐	
– closing of cylinder	☐	☐	
– identification of markings on the cylinder	☐	☐	0 or 10
Tolerance: one minor error			
		Total: _____ / 100	
Minimum performance standard: 80 marks			

Comments: _____

_____

_____

PROGRAM: RV Maintenance and Repair **CODE:** 759 604

MODULE: 10 – PROPANE GAS

ANALYSIS AND SPECIFICATIONS TABLE

INFORMATION ON THE EVALUATION

EVALUATION FORM

ANALYSIS AND SPECIFICATIONS TABLE (BEHAVIOURAL OBJECTIVE)

PROGRAM: RV Maintenance and Repair

MODULE: 10 – PROPANE GAS **CODE:** 759 604

EXPECTED BEHAVIOUR: Operate a propane gas supply system smoothly

Specifications of the Expected Behaviour	Duration (%)	Indicators	W_i	Performance Criteria	W_c
A. Look for leaks and run leak tightness tests.	40	1 Search for leaks and running of leak tightness tests	10	1.1 Meticulous search for leaks	10
B. Adjust the components of an appliance.	20	2 Adjustment of the components of an appliance	50	2.1 Proper adjustment of a propane gas appliance	25
				2.2 Rigorous application of the health and safety rules applicable to propane gas	25
C. Adjust the flame of a burner.	20	3 Adjustment of the flame of a burner	30	3.1 Accurate calculation of flow, pressure and volume	5
				3.2 Accurate determination of the diameter of the lines	10
				3.3 Balance between the air intake and gas exhaust	10
				3.4 Proper use of reference works	5
D. Adjust and repair a regulator.	20	4 Adjustment of a regulator	10	4.1 Observance of the standards for adjusting a regulator	10

W_i: relative weighting of indicators W_c: relative weighting of performance criteria

RV MAINTENANCE AND REPAIR (5714)

759 604 – PROPANE GAS (Module 10)

INFORMATION ON THE EVALUATION

1. Information and Instructions

The purpose of this examination is to evaluate the candidates' ability to operate a propane gas supply system smoothly in an RV. The examiner must have a "certificate of competency with respect to gas" (category 121). The examination consists of a theory component and a practical component.

2. Examination Procedure

This examination comprises a theory examination and a task:

- adjust a propane gas appliance

THEORY COMPONENT

This component involves calculating flow, pressure and volume, determining the diameter of the lines, and consulting reference works.

In the context of a simulation exercise, the candidate will adjust a propane gas appliance in an RV, as follows:

- look for leaks and run leak tightness tests
- adjust the components of the appliance
- adjust the flame of a burner
- adjust the regulator
- observe occupational health and safety rules

3. Materials

The candidates will have access to the following for the examination:

- an RV
- the appropriate equipment, accessories and components
- the appropriate specialized tools
- installation, diagnostic and reference manuals

EVALUATION FORM

RV MAINTENANCE AND REPAIR	Program code:	5714
10 – Propane Gas	Module code:	759 604

Candidate's name: _____

School: _____ RESULT:

Permanent code: _____ PASS ☐ FAIL ☐

Date of examination: _____

Examiner's signature: _____

OBSERVATION			RESULT
	Yes	**No**	
1.1 Meticulous search for leaks:			
– use of appropriate tools	☐	☐	
– use of appropriate equipment	☐	☐	
– use of proper technique	☐	☐	
– compliance with manufacturer's instructions	☐	☐	
– detection of all leaks	☐	☐	
– detection of odours	☐	☐	
– constant concern for safety	☐	☐	0 or 10
2.1 Proper adjustment of a propane gas appliance:			
– components of the burner	☐	☐	
– components of the pilot light	☐	☐	
– components of the control device	☐	☐	
– anticipator	☐	☐	
– regulator	☐	☐	
– air intake	☐	☐	
– gas exhaust	☐	☐	
– proper functioning of components	☐	☐	
– proper functioning of appliance	☐	☐	0 or 25
Tolerance: one error not resulting in any danger			

OBSERVATION				RESULT
		Yes	**No**	
2.2	Rigorous application of the health and safety rules applicable to propane gas:			
	– absence of open flame	☐	☐	
	– gas supply shut off during the repair	☐	☐	
	– checking of air intake	☐	☐	
	– detection of propane odour	☐	☐	
	– checking of presence of a one- or two-stage regulator	☐	☐	
	– well-ventilated space	☐	☐	0 or 25
	Pass/fail condition: Candidates who do not satisfy this criterion must redo the examination.			
3.3	Balance between the air intake and gas exhaust			
	The candidate will adjust the flame of a burner and must:			
	– ensure that the adjustment conforms with standards	☐	☐	
	– check the gas pressure	☐	☐	
	– check that the burner is clean	☐	☐	
	– systematically consult reference works	☐	☐	
	– ensure that the shape, height and colour of the flame conforms with standards	☐	☐	
	– balance the air intake and gas exhaust	☐	☐	
	– adjust the air supply	☐	☐	
	– ensure that there is proper flow in the lines	☐	☐	0 or 10
4.1	Observance of the standards for adjusting a regulator			
	The candidate will adjust the regulator and must:			
	– check the gas pressure	☐	☐	
	– observe standards	☐	☐	
	– ensure that the adjustment conforms with standards	☐	☐	
	– correctly remove the old regulator	☐	☐	
	– properly seal connections	☐	☐	

OBSERVATION			RESULT
		Yes **No**	
	– solidly anchor fasteners	☐ ☐	
	– use a protective cover	☐ ☐	
	– ensure that the regulator functions properly	☐ ☐	0 or 10
3.1	Accurate calculation of flow, pressure and volume:		
	– compliance with instructions	☐ ☐	
	– use of appropriate tools	☐ ☐	
	– correct use of a manometer	☐ ☐	
	– observance of the manufacturer's recommendations	☐ ☐	
	– detection of leaks	☐ ☐	
	– concern for safety	☐ ☐	
	– observance of standards	☐ ☐	
	– precise calculations	☐ ☐	0 or 5
3.2	Accurate determination of the diameter of the lines:		
	– compliance with instructions	☐ ☐	
	– conscientious work	☐ ☐	
	– concern for precision	☐ ☐	
	– observance of standards	☐ ☐	
	– correct results	☐ ☐	0 or 10
3.4	Proper use of reference works:		
	– identification of problem	☐ ☐	
	– careful reading of documents	☐ ☐	
	– correct identification of symbols	☐ ☐	
	– correct identification of components	☐ ☐	0 or 5

Total: _____ / 100

Pass/fail condition: In the event of a serious error related to health and safety rules, the examination will immediately be stopped and the candidate will fail.

Minimum performance standard: 80 marks

Comments: _____

_____

PROGRAM: RV Maintenance and Repair **CODE:** 759 613

MODULE: 11 – INSTALLING GAS APPLIANCES

ANALYSIS AND SPECIFICATIONS TABLE

INFORMATION ON THE EVALUATION

EVALUATION FORM

ANALYSIS AND SPECIFICATIONS TABLE (BEHAVIOURAL OBJECTIVE)

PROGRAM: RV Maintenance and Repair

MODULE: 11 – INSTALLING GAS APPLIANCES **CODE:** 759 613

EXPECTED BEHAVIOUR: Install a propane gas appliance

Specifications of the Expected Behaviour	Duration (%)	Indicators	W_i	Performance Criteria	W_c
A. Plan and organize the work.	20	1 Planning and organization of work	30	1.1 Accurate interpretation of installation instructions, plans and diagrams	15
				1.2 Careful reading of technical manuals and material safety data sheets	15
B. Install a propane gas appliance.	50	2 Installation of a propane gas appliance	40	2.1 Choice of an appliance with a capacity that is in conformity with the standards	15
				2.2 Correct installation of a propane gas appliance	25
C. Complete the work.	20	3 Final check	20	3.1 Systematic check to establish that the appliance is in good working order	10
				3.2 Storage of products in conformity with regulations	10
D. Record relevant information.	10	4 Reports and records	10	4.1 Complete record of work done	10

W_i: relative weighting of indicators W_c: relative weighting of performance criteria

RV MAINTENANCE AND REPAIR (5714)

759 613 – INSTALLING GAS APPLIANCES (Module 11)

INFORMATION ON THE EVALUATION

1. Information and Instructions

The purpose of this practical examination is to evaluate the candidates' ability to install a propane gas appliance in an RV. The examiner must have a "certificate of competency with respect to gas" (category 121).

2. Examination Procedure

This examination comprises one task:

- install a propane gas appliance

In the context of a simulation exercise, the candidate will install a propane gas appliance (refrigerator, water heater, stove or furnace), as follows:

- correctly interpret installation instructions, plans and diagrams
- carefully read technical manuals and material safety data sheets
- choose an appliance with a capacity that is in conformity with standards
- correctly install the appliance
- check that the appliance works properly
- store products in conformity with regulations
- record all the work done

3. Materials

The candidates will have access to the following for the examination:

- an RV
- the appropriate equipment, accessories and components
- the appropriate specialized tools
- installation, diagnostic and reference manuals

EVALUATION FORM

RV MAINTENANCE AND REPAIR	Program code:	5714
11 – Installing Gas Appliances	Module code:	759 613
Candidate's name: _____		
School: _____	RESULT:	
Permanent code: _____	PASS	FAIL
Date of examination: _____	☐	☐
Examiner's signature: _____		

OBSERVATION			RESULT
	Yes	**No**	
2.1 Choice of an appliance with a capacity that is in conformity with the standards:			
– sufficient BTU	☐	☐	
– appropriate size of model	☐	☐	
– accessibility of the appliance	☐	☐	
– accessible supply sources	☐	☐	
– compliance with customer's requests	☐	☐	
– visually pleasing	☐	☐	0 or 15
Tolerance: one minor error			
2.2 Correct installation of a propane gas appliance:			
– accurate interpretation of instructions	☐	☐	
– application of safety measures	☐	☐	
– protection of RV interior	☐	☐	
– observance of laws and regulations	☐	☐	
– appropriate placement of appliance	☐	☐	
– observance of the manufacturer's instructions	☐	☐	
– choice of appropriate tools	☐	☐	
– ventilation of appliance in conformity with standards	☐	☐	
– connections in conformity with standards	☐	☐	

OBSERVATION				RESULT
		Yes	No	
	– appropriate protection of pipes	☐	☐	
	– firmly attached pipes	☐	☐	
	– leak tight joints and fittings	☐	☐	
	– solid, level installation	☐	☐	
	– installation in conformity with standards	☐	☐	
	– meticulous work	☐	☐	
	– checking to ensure the system is leak tight	☐	☐	
	– checking to ensure the appliance works properly	☐	☐	0 or 25
	Tolerance: two minor errors			
3.1	Systematic check to establish that the appliance is in good working order			
	During the simulation exercise, the candidate will check that a propane gas appliance is working properly. The candidate must check the following:			
	– gas pressure	☐	☐	
	– quality of connections	☐	☐	
	– leak tightness of fittings	☐	☐	
	– accessibility for servicing	☐	☐	
	– good insulation against fire	☐	☐	
	– levelling of appliance	☐	☐	0 or 10
	Tolerance: one minor error related to the levelling of the appliance			
3.2	Storage of products in conformity with regulations			0 or 10
1.1	Accurate interpretation of installation instructions, plans and diagrams:			
	– comprehension of plans and diagrams	☐	☐	
	– compliance with instructions	☐	☐	
	– correct application of elements	☐	☐	
	– identification of symbols	☐	☐	
	– identification of components	☐	☐	0 or 15

OBSERVATION			RESULT
	Yes	**No**	
1.2 Careful reading of technical manuals and material safety data sheets During the simulation exercise, the candidate will carefully read the technical manuals and material safety data sheets in order to properly prepare to install the gas appliance. The candidate must:			
– take heed of the safety warnings	☐	☐	
– carefully read the documents	☐	☐	
– identify the symbols	☐	☐	
– identify the components	☐	☐	0 or 15
4.1 Complete record of work done The candidate will record all of the work done related to installing the gas appliance and must:			
– identify the materials used	☐	☐	
– record the time worked	☐	☐	
– comply with instructions	☐	☐	
– work in a meticulous manner	☐	☐	
– make any modifications required	☐	☐	0 or 10
Tolerance: one minor error			

Total: _____ / 100

Pass/fail condition: In the event of a serious error related to health and safety rules, the examination will immediately be stopped and the candidate will fail.

Minimum performance standard: 80 marks

Comments: _____

_____

_____

PROGRAM: RV Maintenance and Repair **CODE:** 759 623

MODULE: 12 – ELECTRICITY

ANALYSIS AND SPECIFICATIONS TABLE

INFORMATION ON THE EVALUATION

EVALUATION FORM

ANALYSIS AND SPECIFICATIONS TABLE (BEHAVIOURAL OBJECTIVE)

PROGRAM: RV Maintenance and Repair

MODULE: 12 – ELECTRICITY **CODE:** 759 623

EXPECTED BEHAVIOUR: Apply basic electrical techniques

Specifications of the Expected Behaviour	Duration (%)	Indicators	W_i	Performance Criteria	W_c
A. Read the diagram for an electric circuit and the material safety data sheet for an electrical appliance.	20	1 Reading of the diagram for an electric circuit and the material safety data sheet for an electrical appliance	10	1.1 Correct interpretation of symbols and conventions	10
B. Check the capacity of an electrical installation.	20	2 Check of the capacity of an electrical installation	30	2.1 Check of the balance between the amperes available at the source and those available in the batteries	15
				2.2 Correct use of a multimeter	15
C. Check an electrical installation.	20	3 Check of an electrical installation	15	3.1 Exact measurement of voltage at the source, at the panelboard and at the battery	15
D. Make electrical connections.	20	4 Electrical connections	35	4.1 Correct connections in conformity with standards	25
				4.2 Conformity of work with requirements	10
E. Maintain a battery.	20	5 Maintenance of a battery	10	5.1 Application of a technique appropriate for checking a battery	10

W_i: relative weighting of indicators W_c: relative weighting of performance criteria

RV MAINTENANCE AND REPAIR (5714)

759 623 – ELECTRICITY (Module 12)

INFORMATION ON THE EVALUATION

1. Information and Instructions

The purpose of this examination is to evaluate the candidates' ability to apply basic electrical techniques. The examination will consist of questions or simulation exercises.

2. Examination Procedure

In the context of a simulation exercise, the candidate must do an electrical installation on an appliance or in an RV (e.g. air conditioner, stove hood, connection of a towing vehicle, central vacuum cleaner or backup battery). The candidate must:

- correctly interpret the symbols and conventions on an electric circuit diagram
- use a multimeter in order to:
  - calculate the number of amperes available at the source
  - measure the voltage of appliances
  - measure the amperage of a circuit
- completely insulate the circuit
- install appropriate wiring and protective device
- make electrical connections
- check the charge of the battery

3. Materials

The candidates will have access to the following for the examination:

- an RV repair shop
- the appropriate equipment, accessories and components

EVALUATION FORM

RV MAINTENANCE AND REPAIR	Program code:	5714
12 – Electricity	Module code:	759 623
Candidate's name: _____		
School: _____	RESULT:	
Permanent code: _____	PASS	FAIL
Date of examination: _____	☐	☐
Examiner's signature: _____		

OBSERVATION			RESULT
	Yes	**No**	
1.1 Correct interpretation of symbols and conventions:			
– use of proper terminology	☐	☐	
– observance of common practices	☐	☐	
– identification of type of circuit	☐	☐	
– determination of voltage	☐	☐	
– identification of resistances	☐	☐	
– recognition of a series or a parallel circuit	☐	☐	
– recognition of an open or a closed circuit	☐	☐	0 or 10
2.1 Check of the balance between the amperes available at the source and those available in the batteries:			
– proper wiring	☐	☐	
– use of proper work methods	☐	☐	
– appropriate protective device	☐	☐	
– exact measurement of amperage	☐	☐	0 or 15

OBSERVATION				RESULT
		Yes	**No**	
2.2	Correct use of a multimeter			
	During the simulation exercise and using a multimeter, the candidate will calculate the number of amperes available at the source, the amperage required for charging the batteries and the voltage of the electrical installation. The candidate must:			
	– measure the voltage exactly	☐	☐	
	– recognize the diode symbol	☐	☐	
	– recognize the ohm symbol	☐	☐	
	– recognize the ampere symbol	☐	☐	
	– recognize the ring symbol	☐	☐	0 or 15
	Tolerance: one minor error			
3.1	Exact measurement of voltage at the source, at the panelboard and at the battery:			
	– accuracy of the polarity of the voltage	☐	☐	
	– exact measurement of the amperage of a circuit	☐	☐	
	– proper functioning of control circuits	☐	☐	
	– complete insulation of the circuit	☐	☐	
	– checking of the conductors of a circuit	☐	☐	0 or 15
4.1	Correct connections in conformity with standards:			
	– appropriate placement	☐	☐	
	– connections in conformity with standards	☐	☐	
	– appropriate choice of materials	☐	☐	
	– application of safety rules	☐	☐	
	– use of appropriate materials	☐	☐	
	– accessible connections	☐	☐	
	– solid connections	☐	☐	
	– well-insulated connections	☐	☐	
	– wire integrity	☐	☐	
	– power shut off at the appropriate time	☐	☐	

OBSERVATION			RESULT
		Yes **No**	
	– observance of work techniques	☐ ☐	
	– observance of manufacturers' manuals	☐ ☐	
	– meticulous work	☐ ☐	0 or 25
	Tolerance: one minor error		
4.2	Conformity of work with requirements		0 or 10
5.1	Application of a technique appropriate for checking a battery:		
	– checking of charge	☐ ☐	
	– checking of acid rate	☐ ☐	
	– checking of level of acid	☐ ☐	
	– checking of cleanliness of posts	☐ ☐	
	– checking of voltage	☐ ☐	
	– checking of attachments	☐ ☐	
	– checking of integrity of battery	☐ ☐	0 or 10
		Total:	____ / 100
Minimum performance standard: 80 marks			

Comments: _____

_____

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PROGRAM: RV Maintenance and Repair **CODE:** 759 636

MODULE: 13 – ELECTRICAL APPLIANCES

ANALYSIS AND SPECIFICATIONS TABLE

INFORMATION ON THE EVALUATION

EVALUATION FORM

ANALYSIS AND SPECIFICATIONS TABLE (BEHAVIOURAL OBJECTIVE)

PROGRAM: RV Maintenance and Repair

MODULE: 13 – ELECTRICAL APPLIANCES **CODE:** 759 636

EXPECTED BEHAVIOUR: Install and repair electrical appliances

Specifications of the Expected Behaviour	Duration (%)	Indicators	W_i	Performance Criteria	W_c
A. Plan and organize the work.	10	1 Reading of manuals and material safety data sheets	10	1.1 Correct interpretation of material safety data sheets	10
B. Install a new electrical appliance.	35	2 Installation of a new appliance	30	2.1 Choice of an appliance of appropriate capacity	5
				2.2 Appropriate placement of the appliance	15
				2.3 Observance of standards pertaining to electricity	10
C. Repair an electric circuit.	35	3 Repair of an electric circuit	40	3.1 Systematic application of a troubleshooting procedure	25
				3.2 Correct replacement of the defective parts	15
D. Repair an electrical appliance.	20	4 Adaptation of the environment	20	4.1 Appropriate modification of the circuit, taking into account the new electrical requirements	20

W_i: relative weighting of indicators W_c: relative weighting of performance criteria

RV MAINTENANCE AND REPAIR (5714)

759 636 – ELECTRICAL APPLIANCES (Module 13)

INFORMATION ON THE EVALUATION

1. Information and Instructions

The purpose of this examination is to evaluate the candidates' ability to install and repair electrical appliances.

2. Examination Procedure

This examination comprises two tasks:

- install a new electrical appliance
- repair an electric circuit in an RV

Task 1: Install a new electrical appliance

In the context of a simulation exercise based on the customer's needs, the candidate will install an electrical appliance (e.g. washer, central vacuum, built-in TV, built-in microwave, VCR, generator, current converter, stove hood, radio, solar panels) in an RV, as follows:

- interpret the technical manuals and material safety data sheets
- choose an appropriate appliance
- determine where the new appliance will be installed
- observe standards pertaining to electricity

Task 2: Repair an electric circuit in an RV

In the context of a simulation exercise based on the customer's needs, the candidate will repair an electric circuit, as follows:

- identify the source of the problem using a systematic troubleshooting procedure
- replace the defective components

3. Materials

The candidates will have access to the following for the examination:

- an RV
- the appropriate equipment, accessories and components
- the appropriate specialized tools
- installation, diagnostic and reference manuals
- course notes

EVALUATION FORM

RV MAINTENANCE AND REPAIR	Program code:	5714
13 – Electrical Appliances	Module code:	759 636

Candidate's name: _____

School: _____ RESULT:

Permanent code: _____ PASS ☐ FAIL ☐

Date of examination: _____

Examiner's signature: _____

OBSERVATION	Yes	No	RESULT
TASK 1: INSTALL A NEW ELECTRICAL APPLIANCE			
2.2 Appropriate placement of the appliance:			
– observance of customer's needs	☐	☐	
– access to appliance	☐	☐	
– accessible connections	☐	☐	
– well-ventilated area	☐	☐	
– visually pleasing	☐	☐	0 or 15
1.1 Correct interpretation of material safety data sheets:			
– compliance with instructions	☐	☐	
– application of safety warnings	☐	☐	
– accurate comprehension	☐	☐	
– correct location of elements	☐	☐	
– identification of symbols	☐	☐	
– identification of components	☐	☐	0 or 10
Tolerance: one minor error			
2.1 Choice of an appliance of appropriate capacity			
The candidate must choose an appliance of appropriate capacity:			
– with respect to:			
• amperage	☐	☐	
• voltage	☐	☐	

OBSERVATION	Yes	No	RESULT
• wattage	☐	☐	
• number of BTUs	☐	☐	
• electrical compatibility	☐	☐	
• instructions	☐	☐	
• manufacturers' instructions	☐	☐	
– reading of appropriate documents	☐	☐	
– appropriate choice of appliance	☐	☐	0 or 5
Tolerance: one minor error			
2.3 Observance of standards pertaining to electricity:			
– observance of laws	☐	☐	
– compliance with instructions	☐	☐	
– observance of safety rules	☐	☐	
– appropriate materials	☐	☐	
– installation in conformity with plans	☐	☐	
– appropriate placement of appliance	☐	☐	
– appropriate modifications to the circuit	☐	☐	
– solid, level installation	☐	☐	
– solid connections	☐	☐	
– protection of the electric circuit	☐	☐	0 or 10
Tolerance: one minor error			
TASK 2: REPAIR AN ELECTRIC CIRCUIT IN AN RV			
3.1 Systematic application of a troubleshooting procedure:			
– logical judgment	☐	☐	
– replacement of correct components	☐	☐	
– proper functioning	☐	☐	
– accurate identification of the problem	☐	☐	
– elimination of unlikely causes	☐	☐	
– assessment of consequences	☐	☐	
– correct use of detection tools	☐	☐	

OBSERVATION	Yes	No	RESULT
– application of standards	☐	☐	0 or 25
– conformity with requirements	☐	☐	
Tolerance: one minor error			
3.2 Correct replacement of the defective parts			
The candidate must:			
– check the length of wiring	☐	☐	
– install the junction box	☐	☐	
– check the type of wiring	☐	☐	
– modify the circuit	☐	☐	
– install solid attachments	☐	☐	
– do visually pleasing work	☐	☐	0 or 15
Tolerance: one error related to the installation of the junction box			
4.1 Appropriate modification of the circuit, taking into account the new electrical requirements:			
– appropriate choice of components	☐	☐	
– appropriate choice of tools	☐	☐	
– proper functioning of the appliance	☐	☐	
– safe connections	☐	☐	
– solid attachments	☐	☐	
– sealing of components	☐	☐	0 or 20
Tolerance: one minor error			

Total: _____ / 100

Pass/fail conditions: In the event of a serious error related to health and safety rules, the examination will immediately be stopped and the candidate will fail.

Minimum performance standard: 80 marks

Comments: _____

_____

PROGRAM: RV Maintenance and Repair **CODE:** 759 644

MODULE: 14 – MAINTAINING AND REPAIRING A GAS SYSTEM AND GAS APPLIANCES

ANALYSIS AND SPECIFICATIONS TABLE

INFORMATION ON THE EVALUATION

EVALUATION FORM

ANALYSIS AND SPECIFICATIONS TABLE (BEHAVIOURAL OBJECTIVE)

PROGRAM: RV Maintenance and Repair

MODULE: 14 – MAINTAINING AND REPAIRING A GAS SYSTEM AND GAS APPLIANCES **CODE:** 759 644

EXPECTED BEHAVIOUR: Maintain and repair a gas supply system and propane gas appliances

Specifications of the Expected Behaviour	Duration (%)	Indicators	W_i	Performance Criteria	W_c
A. Plan and organize the work.	10				
B. Prepare the gas supply system to be worked on.	20	1 Preparation of the gas supply system to be worked on	30	1.1 Correct preparation of the gas supply system	20
				1.2 Meticulous check for gas leaks	10
C. Pull out the appliance or component to be repaired.	30	2 Pulling out of appliance or component	15	2.1 Correct disconnection of the appliance from power sources	15
D. Repair the system or appliance.	20	3 Repair of the system or appliance	45	3.1 Systematic application of a troubleshooting procedure	20
				3.2 Correct replacement of defective parts and components	15
				3.3 Proper use of tools	10
E. Check the quality of the repair.	10	4 Check of the quality of the repair	10	4.1 Proper check of the repair	10
F. Complete the work.	5				
G. Record relevant information.	5				

W_i: relative weighting of indicators W_c: relative weighting of performance criteria

RV MAINTENANCE AND REPAIR (5714)

759 644 – MAINTAINING AND REPAIRING A GAS SYSTEM
AND GAS APPLIANCES (Module 14)

INFORMATION ON THE EVALUATION

1. Information and Instructions

The purpose of this practical examination is to evaluate the candidates' ability to maintain and repair a gas supply system and propane gas appliances in an RV. The examiner must have a "certificate of competency with respect to gas" (category 121).

2. Examination Procedure

This examination comprises one task:

- repair a propane gas appliance

In the context of a simulation exercise, the candidate will repair a propane gas appliance in an RV, as follows:

- prepare the gas supply system
- identify any gas leaks
- pull out the appliance to be repaired
- apply a systematic troubleshooting procedure
- replace defective parts and components
- use appropriate tools
- adjust the appliance's components
- reinstall the appliance
- make sure the appliance is working properly

3. Materials

The candidates will have access to the following for the examination:

- an RV
- the appropriate equipment, accessories and components
- the appropriate specialized tools
- installation, diagnostic and reference manuals

EVALUATION FORM

RV MAINTENANCE AND REPAIR	Program code:	5714
14 – Maintaining and Repairing a Gas System and Gas Appliances	Module code:	759 644

Candidate's name: _____

School: _____ RESULT:

Permanent code: _____ PASS ☐ FAIL ☐

Date of examination: _____

Examiner's signature: _____

OBSERVATION			RESULT
	Yes	**No**	
1.1 Correct preparation of the gas supply system:			
– tools at hand	☐	☐	
– protection of RV interior	☐	☐	
– accurate interpretation of instructions	☐	☐	
– electrical supply shut off	☐	☐	
– gas supply shut off	☐	☐	
– installation of a gas plug	☐	☐	
– careful handling	☐	☐	0 or 20
Tolerance: one error			
1.2 Meticulous check for gas leaks:			
– compliance with instructions	☐	☐	
– use of soap solution	☐	☐	
– proper work method	☐	☐	
– use of appropriate tools	☐	☐	
– detection of any leaks	☐	☐	0 or 10

OBSERVATION				RESULT
		Yes	No	
2.1	Correct disconnection of the appliance from power sources:			
	– location of the retaining nut	☐	☐	
	– disassembly of the access grating	☐	☐	
	– disassembly of the plug connector	☐	☐	
	– removal of the vent	☐	☐	
	– disconnection from water supply	☐	☐	
	– disconnection from gas supply	☐	☐	
	– careful removal of appliance	☐	☐	
	– protection of work area	☐	☐	
	– disconnection from electrical supply	☐	☐	0 or 15
	Tolerance: one minor error			
3.1	Systematic application of a troubleshooting procedure:			
	– meticulous work	☐	☐	
	– logical judgment	☐	☐	
	– accurate interpretation of instructions	☐	☐	
	– use of appropriate materials	☐	☐	
	– observance of laws and regulations	☐	☐	
	– reading of relevant manuals	☐	☐	
	– work methods in conformity with standards	☐	☐	
	– checking of gas pressure	☐	☐	
	– use of a multimeter	☐	☐	
	– resolution of problem	☐	☐	0 or 20
	Tolerance: one minor error			
3.2	Correct replacement of defective parts and components:			
	– use of diagram (enlarged view)	☐	☐	
	– correct opening of appliance	☐	☐	
	– correct storage of parts	☐	☐	
	– replacement of the part with a compatible one	☐	☐	
	– solid attachment	☐	☐	

OBSERVATION			RESULT
	Yes	**No**	
– proper adjustment	☐	☐	
– cleanliness of work	☐	☐	
– checking of electrical connections	☐	☐	0 or 15
Tolerance: one minor error			
3.3 Proper use of tools:			
– checking of gas pressure	☐	☐	
– anemometer	☐	☐	
– thermometer	☐	☐	
– electronic gas leak detector	☐	☐	
– flaring tool	☐	☐	
– air blower	☐	☐	
– soap solution	☐	☐	
– solvent bin	☐	☐	
– multimeter	☐	☐	0 or 10
Tolerance: one error			
4.1 Proper check of the repair:			
– checking of gas pressure	☐	☐	
– cleanliness of work area	☐	☐	
– detection of gas leaks	☐	☐	
– checking of connections	☐	☐	
– proper operation of appliance	☐	☐	0 or 10
		Total: _____ / 100	

Pass/fail condition: In the event of a serious error related to health and safety rules, the examination will immediately be stopped and the candidate will fail.

Minimum performance standard: 80 marks

Comments: _____

_____

PROGRAM: RV Maintenance and Repair **CODE:** 759 653

MODULE: 15 – INSTALLING AND REPAIRING ACCESSORIES

ANALYSIS AND SPECIFICATIONS TABLE

INFORMATION ON THE EVALUATION

EVALUATION FORM

ANALYSIS AND SPECIFICATIONS TABLE (BEHAVIOURAL OBJECTIVE)

PROGRAM: RV Maintenance and Repair

MODULE: 15 – INSTALLING AND REPAIRING ACCESSORIES **CODE:** 759 653

EXPECTED BEHAVIOUR: Install and repair accessories

Specifications of the Expected Behaviour	Duration (%)	Indicators	W_i	Performance Criteria	W_c
A. Plan and organize the work.	10	1 Planning and organization of the work	15	1.1 Accurate interpretation of specifications	10
				1.2 Consideration of the technical features of the accessory	5
B. Install an accessory.	30	2 Installation of an accessory	25	2.1 Appropriate choice of placement	5
				2.2 Correct installation of an accessory	20
C. Repair an accessory.	30	3 Repair of an accessory	35	3.1 Accurate identification of the source of the problem	15
				3.2 Correct replacement of the defective part	20
D. Complete the work.	20	4 Final check of the work	10	4.1 Careful check of the adjustment of parts	10
E. Record relevant information.	10	5 Reports and records	15	5.1 Complete record of the work done	10
				5.2 Accurate, relevant information	5

W_i: relative weighting of indicators W_c: relative weighting of performance criteria

RV MAINTENANCE AND REPAIR (5714)

759 653 – INSTALLING AND REPAIRING ACCESSORIES (Module 15)

INFORMATION ON THE EVALUATION

1. Information and Instructions

The purpose of this practical examination is to evaluate the candidates' ability to install and repair accessories in an RV.

2. Examination Procedure

This examination comprises two tasks:

- install an accessory
- repair an accessory

Task 1: Install an accessory

In the context of a simulation exercise, the candidate will install an accessory in an RV, as follows:

- accurately interpret the specifications
- take into consideration the technical features of the accessory
- observe the manufacturer's instructions
- choose an appropriate place for the accessory
- install the accessory

Task 2: Repair an accessory

In the context of a simulation exercise, the candidate will repair an accessory in an RV, as follows:

- accurately identify the source of the problem
- replace the defective part
- check the adjustment of the parts
- record all of the work done

3. Materials

The candidates will have access to the following for the examination:

- an RV
- the appropriate equipment, accessories and components
- the appropriate specialized tools
- installation, diagnostic and reference manuals
- course notes

EVALUATION FORM

RV MAINTENANCE AND REPAIR	Program code:	5714
15 – Installing and Repairing Accessories	Module code:	759 653

Candidate's name: _____

School: _____ RESULT:

Permanent code: _____ PASS ☐ FAIL ☐

Date of examination: _____

Examiner's signature: _____

OBSERVATION	Yes	No	RESULT
TASK 1: INSTALL AN ACCESSORY			
1.1 Accurate interpretation of specifications	☐	☐	0 or 10
1.2 Consideration of the technical features of the accessory			
The candidate must correctly interpret the specifications and take into consideration the technical features of the accessory before doing the installation. The candidate must:			
– comply with instructions	☐	☐	
– choose the appropriate accessory	☐	☐	
– carefully read the specifications	☐	☐	
– observe the manufacturer's instructions	☐	☐	
– conform to standards	☐	☐	0 or 5
2.1 Appropriate choice of placement:			
– consideration of the height of the awning poles	☐	☐	
– consideration of doors and windows	☐	☐	
– solid attachment	☐	☐	
– accessibility	☐	☐	
– height of the groove	☐	☐	0 or 5

OBSERVATION	Yes	No	RESULT
2.2 Correct installation of an accessory			
Installation of an awning:			
– observance of the plan or sketch	☐	☐	
– appropriate choice of tools	☐	☐	
– solid attachment of the awning arm	☐	☐	
– level, square attachment	☐	☐	
– adjustment of the canvas	☐	☐	
– attachment of the canvas	☐	☐	
– leak tightness of the installation	☐	☐	
– visually pleasing installation	☐	☐	
– careful finishing	☐	☐	
– proper functioning of the awning	☐	☐	0 or 20
Tolerance: one error			
TASK 2: REPAIR AN ACCESSORY			
3.1 Accurate identification of the source of the problem:			
– use of appropriate tools	☐	☐	
– correct troubleshooting	☐	☐	
– checking for water infiltration	☐	☐	
– checking of operating mechanism	☐	☐	
– checking of electrical supply	☐	☐	
– correct determination of source of problem	☐	☐	0 or 15
Tolerance: one error except for the last item, which must be successfully completed			
3.2 Correct replacement of the defective part			
The candidate must:			
– cut the electrical supply	☐	☐	
– choose the appropriate tools	☐	☐	
– correctly remove the damaged part	☐	☐	
– use a part that conforms with requirements	☐	☐	
– correctly adjust the part	☐	☐	
– ensure proper lubrication	☐	☐	

OBSERVATION				RESULT
		Yes	**No**	
	– respect the work area	☐	☐	0 or 20
	Tolerance: one error			
4.1	Careful check of the adjustment of parts			
	The candidate will carefully check that the parts installed on an accessory are properly adjusted. The candidate must meet the following requirements:			
	– proper functioning of the accessory	☐	☐	
	– solid attachment	☐	☐	
	– appropriate use of tools	☐	☐	
	– compliance with instructions	☐	☐	
	– careful work	☐	☐	
	– observance of precautions	☐	☐	
	– conformity of work with standards	☐	☐	0 or 10
	Tolerance: one minor error			
5.1	Complete record of the work done	☐	☐	0 or 10
5.2	Accurate, relevant information	☐	☐	0 or 5
			Total:	_____ / 100
Minimum performance standard: 80 marks				

Comments: _____

_____

_____

PROGRAM: RV Maintenance and Repair **CODE:** 759 662

MODULE: 16 – COMMUNICATION

ANALYSIS AND SPECIFICATIONS TABLE

INFORMATION ON THE EVALUATION

EVALUATION FORM

ANALYSIS AND SPECIFICATIONS TABLE (BEHAVIOURAL OBJECTIVE)

PROGRAM: RV Maintenance and Repair

MODULE: 16 – COMMUNICATION **CODE:** 759 662

EXPECTED BEHAVIOUR: Communicate in the workplace

Specifications of the Expected Behaviour	Duration (%)	Indicators	W_i	Performance Criteria	W_c
A. Greet customers.	30	1 Greeting of customers	20	1.1 Use of an appropriate communication technique	5
				1.2 Accurate perception of needs	5
				1.3 Correct rephrasing of unclear points	10
B. Explain how to operate the RV and its appliances, the precautions that should be taken, and routine maintenance.	30	2 Explanation of how to operate the RV and its appliances, the precautions that should be taken, and routine maintenance	45	2.1 Clear, precise explanations of how to operate the RV	25
				2.2 Clear and thorough explanation of required safety measures	15
				2.3 Use of appropriate terminology	5
C. Justify their assessment and actions.	15	3 Justification of their assessment and actions	10	3.1 Correct justification of their actions	10
D. Communicate with their work colleagues.	25	4 Communication in the workplace	25	4.1 Correct interpretation of messages received	10
				4.2 Appropriate use of means of transmitting information	15

W_i: relative weighting of indicators W_c: relative weighting of performance criteria

RV MAINTENANCE AND REPAIR (5714)

759 662 – COMMUNICATION (Module 16)

INFORMATION ON THE EVALUATION

1. Information and Instructions

The purpose of this practical examination is to evaluate the candidates' ability to communicate in the workplace.

2. Examination Procedure

This examination comprises four tasks:

- greet a customer
- explain how to operate an RV
- justify a diagnosis
- communicate with work colleagues

Task 1: Greet a customer

In the context of a simulation exercise, the candidate will greet a customer, as follows:

- use an appropriate communication technique
- identify the customer's needs
- correctly rephrase any unclear elements

Task 2: Explain how to operate an RV

In the context of a simulation exercise, the candidate will explain how to operate an RV, as follows:

- explain how to operate an RV
- explain how to operate the appliances
- explain the required safety measures
- use appropriate terminology

Task 3: Justify a diagnosis

In the context of a simulation exercise involving a major repair to an RV, the candidate will communicate the diagnosis to the customer. The candidate must give reasons justifying the cost of the repairs and the parts used.

Task 4: Communicate with work colleagues

In the context of a simulation exercise, the candidate will communicate with work colleagues, as follows:

- receive messages and interpret them correctly
- transmit information verbally, in writing or electronically

3. Materials

The candidates will have access to the following for the examination:

- an RV
- the appropriate equipment, accessories and components
- the appropriate specialized tools
- installation, diagnostic and reference manuals

EVALUATION FORM

RV MAINTENANCE AND REPAIR	Program code:	5714
16 – Communication	Module code:	759 662
Candidate's name: _____		
School: _____	RESULT:	
Permanent code: _____	PASS	FAIL
Date of examination: _____	☐	☐
Examiner's signature: _____		

OBSERVATION	Yes	No	RESULT
TASK 1: GREET A CUSTOMER			
1.1 Use of an appropriate communication technique			
During the simulation exercise, the candidate will demonstrate the ability to give the customer an explanation and must meet the following requirements:			
– introduction technique	☐	☐	
– compliance with instructions	☐	☐	
– courteous exchange	☐	☐	
– clear explanations	☐	☐	
– complete sentences	☐	☐	
– appropriate terminology	☐	☐	0 or 5
Tolerance: one minor error			
1.2 Accurate perception of needs			
During the simulation exercise, the candidate will identify the customer's needs and must meet the following requirements:			
– attentive listening	☐	☐	
– rephrasing of questions	☐	☐	
– relevant questions	☐	☐	
– identification of needs	☐	☐	0 or 5
Tolerance: one minor error			

OBSERVATION			RESULT
	Yes	**No**	
1.3 Correct rephrasing of unclear points During the simulation exercise, the candidate will clarify any unclear points and must meet the following requirements:			
– identification of unclear points	☐	☐	
– relevant examples	☐	☐	
– thorough explanation	☐	☐	
– appropriate terminology	☐	☐	
– obvious customer comprehension and satisfaction	☐	☐	0 or 10
Tolerance: one minor error			
TASK 2: EXPLAIN HOW TO OPERATE AN RV			
2.1 Clear, precise explanations of how to operate the RV:			
– clear, precise explanations	☐	☐	
– gas appliances	☐	☐	
– electrical appliances	☐	☐	
– plumbing system	☐	☐	
– antenna	☐	☐	
– awnings	☐	☐	
– jacks	☐	☐	
– coupling system	☐	☐	
– specific units	☐	☐	
– examples given to support explanations	☐	☐	
– customer participation	☐	☐	
– maintenance methods	☐	☐	
– practical advice	☐	☐	0 or 25
Tolerance: two errors			

OBSERVATION			RESULT
	Yes	**No**	
2.2 Clear and thorough explanation of required safety measures During the simulation exercise, the candidate will provide a clear and thorough explanation of the safety measures applicable to an RV. The candidate must cover these topics and meet the following requirements:			
– clear, precise explanations	☐	☐	
– use of propane stove	☐	☐	
– coupling system	☐	☐	
– electrical system	☐	☐	
– plumbing system	☐	☐	
– attachment of accessories	☐	☐	
– lights	☐	☐	
– precise terminology	☐	☐	
– drive train system	☐	☐	0 or 15
Tolerance: one error			
2.3 Use of appropriate terminology The candidate must use appropriate terminology when providing explanations related to:			
– electricity	☐	☐	
– gas	☐	☐	
– plumbing	☐	☐	
– accessories	☐	☐	
– units of measurement	☐	☐	0 or 5
Tolerance: one error			

OBSERVATION			RESULT
	Yes	**No**	
TASK 3: JUSTIFY A DIAGNOSIS			
3.1 Correct justification of their actions The candidate will correctly explain the diagnosis and the repairs done on an appliance and must meet the following requirements:			
– logical judgment	☐	☐	
– respectful exchanges	☐	☐	
– precise explanations regarding:	☐	☐	
• cost	☐	☐	
• time	☐	☐	
• materials	☐	☐	
• technical details	☐	☐	
– precise vocabulary	☐	☐	0 or 10
Tolerance: one minor error			
TASK 4: COMMUNICATE WITH WORK COLLEAGUES			
4.1 Correct interpretation of messages received:			
– attentive listening	☐	☐	
– request for appropriate clarification	☐	☐	
– courtesy	☐	☐	
– politeness	☐	☐	
– positive attitude	☐	☐	
– a thoughtful reaction	☐	☐	0 or 10
Tolerance: one minor error			
4.2 Appropriate use of means of transmitting information	☐	☐	0 or 15
		Total:	_____ / 100
Minimum performance standard: 80 marks			

Comments: _____

PROGRAM: RV Maintenance and Repair **CODE:** 759 673

MODULE: 17 – PREPARATION FOR DELIVERY

ANALYSIS AND SPECIFICATIONS TABLE

INFORMATION ON THE EVALUATION

EVALUATION FORM

ANALYSIS AND SPECIFICATIONS TABLE (BEHAVIOURAL OBJECTIVE)

PROGRAM: RV Maintenance and Repair

MODULE: 17 – PREPARATION FOR DELIVERY **CODE:** 759 673

EXPECTED BEHAVIOUR: Prepare an RV for delivery

Specifications of the Expected Behaviour	Duration (%)	Indicators	W_i	Performance Criteria	W_c
A. Plan and organize the work.	5				
B. Install the hitch on the towing vehicle.	25	1 Installation of the hitch on the towing vehicle	25	1.1 Solid assembly of hitch in conformity with requirements	10
				1.2 Correct installation of hitch	15
C. Install a stabilizer bar and torsion bars on the towed vehicle.	25	2 Installation of a stabilizer bar and torsion bars	15	2.1 Proper assembly of stabilizer bar and torsion bars	15
D. Do the hook-ups between the towing vehicle and the towed vehicle.	30	3 Hook-ups between the towing vehicle and the towed vehicle	40	3.1 Correct installation of electrical hook-ups	20
				3.2 Correct installation of mechanical hook-ups	20
E. Install the accessories required to drive the vehicle.	5	4 Installation of accessories	10	4.1 Correct installation of accessories	10
F. Level the RV.	10	5 Levelling	10	5.1 Ideal level	10

W_i: relative weighting of indicators W_c: relative weighting of performance criteria

RV MAINTENANCE AND REPAIR (5714)

759 673 – PREPARATION FOR DELIVERY (Module 17)

INFORMATION ON THE EVALUATION

1. Information and Instructions

The purpose of this practical examination is to evaluate the candidates' ability to prepare an RV for delivery.

2. Examination Procedure

This examination comprises five tasks:

- assemble and install the hitch on the towing vehicle
- assemble and install a stabilizer bar and torsion bars on the towed vehicle
- do the electrical and brake control hook-ups between the towing vehicle and the towed vehicle
- install the accessories required to drive the vehicle
- level the RV

Task 1: Assemble and install the hitch on the towing vehicle

In the context of a simulation exercise, the candidate will install the hitch on an RV, as follows:

- assemble the hitch so that it is solid and conforms with requirements
- install the hitch so that it is centred, level and without scratches

Task 2: Assemble and install a stabilizer bar and torsion bars on the towed vehicle

In the context of a simulation exercise, the candidate will install a stabilizer bar, as follows:

- check that the bar is firmly attached
- use appropriate tension
- properly adjust the chains

Task 3: Do the electrical and brake control hook-ups between the towing vehicle and the towed vehicle

In the context of a simulation exercise, the candidate will do the hook-ups between the two vehicles, as follows:

- choose the appropriate cables
- properly weld and cover the wires
- install a circuit breaker
- install a cord for the safety break-away switch
- check that the lights and brakes are working properly

Task 4: Install the accessories required to drive the vehicle

In the context of a simulation exercise, the candidate will install mirrors on a vehicle, as follows:

- install the mirrors in the appropriate place
- solidly install wind deflectors

Task 5: Level the RV

In the context of a simulation exercise, the candidate will level the RV, as follows:

- choose appropriate support materials
- choose an appropriate site

3. Materials

The candidates will have access to the following for the examination:

- an RV
- the appropriate equipment, accessories and components
- the appropriate specialized tools
- installation, diagnostic and reference manuals
- course notes

EVALUATION FORM

RV MAINTENANCE AND REPAIR	Program code:	5714
17 – Preparation for Delivery	Module code:	759 673
Candidate's name: _____		
School: _____	RESULT:	
Permanent code: _____	PASS	FAIL
Date of examination: _____	☐	☐
Examiner's signature: _____		

OBSERVATION	Yes	No	RESULT
TASK 1: ASSEMBLE AND INSTALL THE HITCH ON THE TOWING VEHICLE			
1.1 Solid assembly of hitch in conformity with requirements			0 or 10
1.2 Correct installation of hitch:			
- compliance with instructions	☐	☐	
- appropriate choice of hitch	☐	☐	
- appropriate placement of hitch	☐	☐	
- safe placement of hitch	☐	☐	
- installation in conformity with established requirements	☐	☐	
- careful work	☐	☐	
- solid installation	☐	☐	
- centred hitch	☐	☐	
- level hitch	☐	☐	0 or 15
Tolerance: one error			
TASK 2: ASSEMBLE AND INSTALL A STABILIZER BAR AND TORSION BARS ON THE TOWED VEHICLE			
2.1 Proper assembly of stabilizer bar and torsion bars:			
- appropriate tension	☐	☐	
- firmly attached	☐	☐	
- chains adjusted	☐	☐	

OBSERVATION	Yes	No	RESULT
- compliance with instructions	☐	☐	
- careful work	☐	☐	
- accessories in conformity with established requirements	☐	☐	
- application of safety rules	☐	☐	
- use of appropriate tools	☐	☐	0 or 15
Tolerance: one minor error			
TASK 3: DO THE ELECTRICAL AND BRAKE CONTROL HOOK-UPS BETWEEN THE TOWING VEHICLE AND THE TOWED VEHICLE			
3.1 Correct installation of electrical hook-ups:			
a) choice of appropriate cables	☐	☐	
b) use of appropriate connectors	☐	☐	
c) wires properly welded and covered	☐	☐	
d) installation of a circuit breaker	☐	☐	
e) connection of the plug to the towing vehicle	☐	☐	
f) proper attachment of the plug to the towing vehicle	☐	☐	
g) proper operation of lights	☐	☐	0 or 20
Tolerance: Item c), if another viable solution is given			
3.2 Correct installation of mechanical hook-ups:			
a) correct location of brake control	☐	☐	
b) identification of correct electrical circuits on the brake switch	☐	☐	
c) appropriate choice of cables	☐	☐	
d) wires properly welded and covered	☐	☐	
e) installation of a circuit breaker	☐	☐	
f) adjustment of the brake control	☐	☐	
g) proper operation of brakes	☐	☐	
h) installation of the cord for the safety break-away switch	☐	☐	
i) road test	☐	☐	0 or 20
Tolerance: Item d), if another viable solution is given; one error for the other items			

OBSERVATION	Yes	No	RESULT
TASK 4: INSTALL THE ACCESSORIES REQUIRED TO DRIVE THE VEHICLE			
4.1 Correct installation of accessories			
On the basis of the simulation exercise, the candidate will install mirrors on a vehicle and must:			
- correctly install wind deflectors and mirrors	☐	☐	
- install the mirrors in the appropriate place	☐	☐	
- firmly attach the wind deflectors	☐	☐	
- adjust the mirrors and deflectors	☐	☐	
- ensure all components are solidly installed	☐	☐	0 or 10
TASK 5: LEVEL THE RV			
5.1 Ideal level:			
- choice of appropriate site	☐	☐	
- choice of appropriate support materials	☐	☐	
- use of appropriate tools	☐	☐	
- observance of safety rules	☐	☐	0 or 10
		Total:	_____ / 100
Minimum performance standard: 80 marks			

Comments: _____

_____

_____

PROGRAM: RV Maintenance and Repair **CODE:** 759 682

MODULE: 18 – INSPECTING AN RV

ANALYSIS AND SPECIFICATIONS TABLE

INFORMATION ON THE EVALUATION

EVALUATION FORM

ANALYSIS AND SPECIFICATIONS TABLE (BEHAVIOURAL OBJECTIVE)

PROGRAM: RV Maintenance and Repair

MODULE: 18 – INSPECTING AN RV **CODE:** 759 682

EXPECTED BEHAVIOUR: Inspect an RV

Specifications of the Expected Behaviour	Duration (%)	Indicators	W_i	Performance Criteria	W_c
A. Carry out an inspection using the following senses: smell, sight and touch.	30	1 Inspection using sense of smell, sight and touch	15	1.1 Correct identification of defects and shortcomings	15
B. Check the power and water supply systems.	30	2 Check of power and water supply systems	60	2.1 Systematic check of plumbing system	20
				2.2 Systematic check of electrical system	20
				2.3 Systematic check of propane gas system	20
C. Start up the appliances and accessories.	30	3 Start-up of appliances and accessories	10	3.1 Systematic check of appliances and accessories	10
D. Record relevant information.	10	4 Reports and records	15	4.1 Accurate, relevant information	15

W_i: relative weighting of indicators W_c: relative weighting of performance criteria

RV MAINTENANCE AND REPAIR (5714)

759 682 – INSPECTING AN RV (Module 18)

INFORMATION ON THE EVALUATION

1. Information and Instructions

The purpose of this practical examination is to evaluate the candidates' ability to inspect an RV.

2. Examination Procedure

This examination comprises one task:

- inspect an RV

In the context of a simulation exercise, the candidate will inspect an RV, as follows:

- identify the defects and shortcomings of the RV
- check the plumbing system
- check the electrical system
- check the propane gas system
- check the appliances and accessories
- record all of the work done

3. Materials

The candidates will have access to the following for the examination:

- an RV
- the appropriate equipment, accessories and components
- the appropriate specialized tools
- installation, diagnostic and reference manuals

EVALUATION FORM

RV MAINTENANCE AND REPAIR	Program code:	5714
18 – Inspecting an RV	Module code:	759 682

Candidate's name: _____

School: _____ RESULT:

Permanent code: _____ PASS ☐ FAIL ☐

Date of examination: _____

Examiner's signature: _____

OBSERVATION			RESULT
	Yes	**No**	
1.1 Correct identification of defects and shortcomings:			
– RV interior	☐	☐	
– floors and carpets	☐	☐	
– doors and windows	☐	☐	
– drawers, cabinets, woodwork	☐	☐	
– cushions, mattresses and curtains	☐	☐	
– seal of the slide-out	☐	☐	
– odours	☐	☐	
– RV exterior	☐	☐	
– seal of roof	☐	☐	
– running board and bumper	☐	☐	
– storage containers	☐	☐	
– exterior surface	☐	☐	
– vents	☐	☐	0 or 15
Tolerance: one minor error			
2.1 Systematic check of plumbing system:			
– leak tight holding tanks	☐	☐	
– drain valves	☐	☐	
– piping and tubing	☐	☐	
– leak tight connections	☐	☐	
– solid attachments	☐	☐	

OBSERVATION			RESULT
	Yes	**No**	
– proper operation of appliance	☐	☐	
– faucets	☐	☐	
– toilets	☐	☐	
– drains	☐	☐	0 or 20
Tolerance: one error not resulting in any damage			
2.2 Systematic check of electrical system:			
– interior lighting system	☐	☐	
– exterior lighting system	☐	☐	
– current converter	☐	☐	
– level indicators	☐	☐	
– electrical outlets	☐	☐	
– polarity of outlets and short circuits	☐	☐	
– grounds	☐	☐	
– circuit breaker and fuses	☐	☐	
– panelboards	☐	☐	
– wires and batteries	☐	☐	0 or 20
Tolerance: one minor error			
2.3 Systematic check of propane gas system:			
– holding tanks: use-by date and leak tightness	☐	☐	
– tubing	☐	☐	
– leak test	☐	☐	
– regulator	☐	☐	
– gas pressure	☐	☐	
– stove and oven	☐	☐	
– refrigerator	☐	☐	
– water heater	☐	☐	0 or 20
Tolerance: one error related to checking the holding tank's use-by date			

OBSERVATION			RESULT
	Yes	**No**	
3.1 Systematic check of appliances and accessories:			
– antennas: television and radio	☐	☐	
– TV outlets	☐	☐	
– speakers	☐	☐	
– awnings	☐	☐	
– jacks	☐	☐	
– vacuum	☐	☐	
– spare tire	☐	☐	
– air conditioner	☐	☐	
– luggage rack ladder	☐	☐	0 or 10
Tolerance: two minor errors			
4.1 Accurate, relevant information			
During the simulation exercise, the candidate will record all the information resulting from the RV inspection and must meet the following requirements:			
– precise information	☐	☐	
– relevant conclusions	☐	☐	
– recording of time worked	☐	☐	
– compliance with instructions	☐	☐	
– legible writing	☐	☐	
– complete report	☐	☐	0 or 15
		Total:	_____ / 100
Minimum performance standard: 80 marks			

Comments: _____

_____

_____

PROGRAM: RV Maintenance and Repair **CODE:** 759 696

MODULE: 19 – REPAIRING AND MODIFYING AN RV

ANALYSIS AND SPECIFICATIONS TABLE

INFORMATION ON THE EVALUATION

EVALUATION FORM

ANALYSIS AND SPECIFICATIONS TABLE (BEHAVIOURAL OBJECTIVE)

PROGRAM: RV Maintenance and Repair

MODULE: 19 – REPAIRING AND MODIFYING AN RV **CODE:** 759 696

EXPECTED BEHAVIOUR: Repair and modify an RV

Specifications of the Expected Behaviour	Duration (%)	Indicators	W_i	Performance Criteria	W_c
A. Plan and organize the work.	5	1 Planning and organization of work	10	1.1 Accurate interpretation of installation instructions, plans and diagrams	10
B. Modify the interior of an RV.	20	2 Modification of the interior of an RV	25	2.1 Correct modification of the interior of an RV	25
C. Make a new opening in the body.	20	3 New opening in the body	15	3.1 Correct execution of the opening in the body	15
D. Replace or modify the RV exterior.	30	4 Replacement or modification of RV exterior	25	4.1 Correct replacement of RV exterior	25
E. Repair a jack or hydraulic slide-out.	15	5 Repair of a jack or hydraulic slide-out	15	5.1 Repair of a slide-out room extension	15
F. Complete the work.	5	6 Final check of work	10	6.1 Careful check of any adjustments made	5
				6.2 Storage of products in conformity with regulations	5
G. Record relevant information.	5				

W_i: relative weighting of indicators W_c: relative weighting of performance criteria

RV MAINTENANCE AND REPAIR (5714)

759 696 – REPAIRING AND MODIFYING AN RV (Module 19)

INFORMATION ON THE EVALUATION

1. Information and Instructions

The purpose of this practical examination is to evaluate the candidates' ability to repair and modify an RV.

2. Examination Procedure

This examination comprises five tasks:

- modify the interior of an RV
- replace or modify the RV exterior
- make a new opening in the body
- repair or adjust a slide-out room extension
- check the work

Task 1: Modify the interior of an RV

In the context of a simulation exercise, the candidate will modify the interior of an RV, as follows:

- interpret instructions
- reinforce the framework
- attach a partition to the framework in a solid, level and square manner
- carefully renovate the floor, walls and ceilings

Task 2: Replace or modify the RV exterior

In the context of a simulation exercise, the candidate will replace the RV exterior, as follows:

- properly fit and finish aluminum sheet metal
- carefully install a rubber covering on the roof
- properly fit and finish new mouldings and rain gutters

Task 3: Make a new opening in the body

In the context of a simulation exercise, the candidate will make a new opening in the body of an RV, as follows:

- appropriately place the opening
- reinforce the framework
- attach the frame to the structure in a solid, level and square manner

Task 4: Repair or adjust a slide-out room extension

In the context of a simulation exercise, the candidate will repair or adjust a slide-out room extension, as follows:

- apply a troubleshooting procedure
- identify the source of the problem
- replace the defective components
- lubricate and clean any moving parts

Task 5: Check the work

In the context of a simulation exercise, the candidate will check the quality of the work done.

3. Materials

The candidates will have access to the following for the examination:

- an RV
- the appropriate equipment, accessories and components
- the appropriate specialized tools
- installation, diagnostic and reference manuals

EVALUATION FORM

RV MAINTENANCE AND REPAIR	Program code:	5714
19 – Repairing and Modifying an RV	Module code:	759 696
Candidate's name: _____		
School: _____	RESULT:	
Permanent code: _____	PASS	FAIL
Date of examination: _____	☐	☐
Examiner's signature: _____		

OBSERVATION	Yes	No	RESULT
TASK 1: MODIFY THE INTERIOR OF AN RV			
1.1 Accurate interpretation of installation instructions, plans and diagrams:			
– reading of technical manuals	☐	☐	
– compliance with instructions	☐	☐	
– appropriate choice of tools	☐	☐	
– appropriate choice of materials	☐	☐	
– appropriate markings	☐	☐	
– correct location of elements	☐	☐	
– identification of the component	☐	☐	
– recognition of symbols	☐	☐	0 or 10
Tolerance: one minor error			
2.1 Correct modification of the interior of an RV:			
– protection of the RV interior	☐	☐	
– uncluttered area	☐	☐	
– meticulous work	☐	☐	
– reinforcement of the framework	☐	☐	
– solid attachment of a partition to the framework	☐	☐	
– level attachment of the partition to the wall or ceiling	☐	☐	
– square attachment of the partition to the wall or ceiling	☐	☐	
– leak tightness of the installation	☐	☐	
– work in conformity with requirements	☐	☐	

OBSERVATION	Yes	No	RESULT
– proper use of tools and equipment	☐	☐	
– observance of laws and regulations	☐	☐	
– visually pleasing modification	☐	☐	
– cleanliness of RV	☐	☐	
– use of appropriate materials	☐	☐	
– use of appropriate tools	☐	☐	0 or 25
Tolerance: two minor errors			
TASK 3: MAKE A NEW OPENING IN THE BODY			
3.1 Correct execution of the opening in the body:			
– appropriate choice of placement	☐	☐	
– marking in appropriate places	☐	☐	
– careful cutting	☐	☐	
– appropriate reinforcement of the framework	☐	☐	
– solid attachment	☐	☐	
– level attachment	☐	☐	
– square attachment	☐	☐	0 or 15
Tolerance: one minor error			
TASK 2: REPLACE OR MODIFY THE RV EXTERIOR			
4.1 Correct replacement of RV exterior:			
– removal of mouldings and exterior covering	☐	☐	
– careful installation of covering	☐	☐	
– proper fit and finish of covering	☐	☐	
– leak tightness of connections	☐	☐	
– proper installation of new rain gutters	☐	☐	
– proper installation of new mouldings	☐	☐	
– careful finishing	☐	☐	
– hidden connections	☐	☐	
– solid attachment	☐	☐	
– proper installation of a rain gutter or an awning rail	☐	☐	0 or 25
Tolerance: one minor error			

OBSERVATION	Yes	No	RESULT
TASK 4: REPAIR OR ADJUST A SLIDE-OUT ROOM EXTENSION			
5.1 Repair of a slide-out room extension:			
– correct application of troubleshooting procedure	☐	☐	
– identification of the source of the problem	☐	☐	
– replacement of defective components	☐	☐	
– lubrication and cleaning of moving parts	☐	☐	
– meticulous work	☐	☐	
– leak tightness of fittings	☐	☐	0 or 15
Tolerance: one minor error			
TASK 5: CHECK THE WORK			
6.1 Careful check of any adjustments made:			
– square adjustment	☐	☐	
– leak tight adjustment	☐	☐	
– proper operation of components	☐	☐	
– cleanliness of area	☐	☐	0 or 5
6.2 Storage of products in conformity with regulations:			
– storage of flammable products	☐	☐	
– wiping of tools	☐	☐	
– proper storage of tools	☐	☐	
– inspection of tools	☐	☐	0 or 5
		Total:	_____ / 100
Minimum performance standard: 80 marks			

Comments: _____

_____

_____

PROGRAM: RV Maintenance and Repair **CODE:** 759 702

MODULE: 20 – JOB SEARCH TECHNIQUES

ANALYSIS AND SPECIFICATIONS TABLE

INFORMATION ON THE EVALUATION

EVALUATION FORM

ANALYSIS AND SPECIFICATIONS TABLE (BEHAVIOURAL OBJECTIVE)

PROGRAM: RV Maintenance and Repair

MODULE: 20 – JOB SEARCH TECHNIQUES **CODE:** 759 702

EXPECTED BEHAVIOUR: Use job search techniques

Specifications of the Expected Behaviour	Duration (%)	Indicators	W_i	Performance Criteria	W_c
A. Plan a job search strategy.	25	1 Planning of a job search strategy	10	1.1 Correct use of sources of information	10
B. Write up a résumé.	25	2 Writing of a résumé	30	2.1 Correct writing of a résumé	30
C. Write a job application letter.	25	3 Writing of a job application letter	15	3.1 Correct writing of a job application letter	15
D. Prepare for and go to a selection interview.	25	4 Preparation for a selection interview	45	4.1 Correct identification of the selection criteria specific to the job	15
				4.2 Correct simulation of a selection interview	30

W_i: relative weighting of indicators W_c: relative weighting of performance criteria

RV MAINTENANCE AND REPAIR (5714)

759 702 – JOB SEARCH TECHNIQUES (Module 20)

INFORMATION ON THE EVALUATION

1. Information and Instructions

The purpose of this examination is to evaluate the candidates' ability to use job search techniques.

2. Examination Procedure

This examination comprises three tasks:

- plan a job search strategy
- prepare for a selection interview
- participate in a simulated selection interview

Task 1: Plan a job search strategy

Use sources of information

Using various sources (newspapers, the Internet, employment centre), the candidates will identify several jobs available in their field of choice, and will write a report on their job search strategy. The examiner will evaluate the process followed and not the candidates' results.

Task 2: Prepare for a selection interview

Write a résumé

The candidate will write a coherent résumé consisting of relevant information and using proper language and presentation. The examiner will consider content over form.

Write a job application letter

The candidate will write a coherent job application letter containing relevant information and using proper language and presentation. The examiner will consider content over form.

Identify selection criteria

In the context of a simulation exercise, the candidate will prepare a report on the selection criteria specific to the job and will use relevant documentation on the products concerned or company holding the interview.

Task 3: Participate in a simulated selection interview

In the context of a simulation exercise, the candidate will participate in a simulated selection interview. The examiner will play the role of potential employer and will ask questions for a period of 10 to 15 minutes.

EVALUATION FORM

RV MAINTENANCE AND REPAIR	Program code:	5714
20 – Job Search Techniques	Module code:	759 702

Candidate's name: _____

School: _____ RESULT:

Permanent code: _____ PASS ☐ FAIL ☐

Date of examination: _____

Examiner's signature: _____

OBSERVATION	Yes	No	RESULT
TASK 1: PLAN A JOB SEARCH STRATEGY			
1.1 Correct use of sources of information:			
– newspapers	☐	☐	
– specialized journals	☐	☐	
– employment centre	☐	☐	
– the Internet	☐	☐	0 or 10
TASK 2: PREPARE FOR A SELECTION INTERVIEW			
2.1 Correct writing of a résumé:			
– relevance	☐	☐	
– accuracy	☐	☐	
– coherence	☐	☐	
– precision	☐	☐	
– quality of the language	☐	☐	
– presentation	☐	☐	0 or 30
Tolerance: two minor errors			
3.1 Correct writing of a job application letter:			
– relevance	☐	☐	
– accuracy	☐	☐	
– coherence	☐	☐	
– precision	☐	☐	

OBSERVATION	Yes	No	RESULT
– quality of the language	☐	☐	
– presentation	☐	☐	0 or 15
Tolerance: one error			
4.1 Correct identification of the selection criteria specific to the job:			
– identification of four important criteria	☐	☐	0 or 15
TASK 3: PARTICIPATE IN A SIMULATED SELECTION INTERVIEW			
4.2 Correct simulation of a selection interview:			
– courtesy	☐	☐	
– attentive listening	☐	☐	
– quality of the language	☐	☐	
– relevant responses	☐	☐	
– coherent responses	☐	☐	
– relevant questions	☐	☐	
– clarity of expression	☐	☐	
– use of technical vocabulary	☐	☐	
– knowledge of products	☐	☐	
– knowledge of employer	☐	☐	
– emphasis of their qualities	☐	☐	
– knowledge of personal limitations	☐	☐	0 or 30
Tolerance: two minor errors			
		Total:	_____ / 100
Minimum performance standard: 75 marks			

Comments: _____

_____

_____

PROGRAM: RV Maintenance and Repair **CODE:** 759 714

MODULE: 21 – ENTERING THE WORK FORCE

ANALYSIS AND SPECIFICATIONS TABLE

INFORMATION ON THE EVALUATION

PARTICIPATION EVALUATION FORM

ANALYSIS AND SPECIFICATIONS TABLE (SITUATIONAL OBJECTIVE)

PROGRAM: RV Maintenance and Repair

MODULE: 21 – ENTERING THE WORK FORCE **CODE:** 759 714

EXPECTED OUTCOME: Enter the work force

Learning Context	Duration (%)	Indicators	W_i	Participation Criteria	W_c
Phase 1: **Preparation to do a practicum/familiarization with the practicum process and the workplace where the student has been placed**	10	1 Familiarity with the work context	25	1.1 Carefully observe the work context and the way the work is organized.	5
				1.2 Try to understand the characteristics of the way the workplace is organized.	10
				1.3 Try to understand the practical organization of the practicum and the associated responsibilities.	10
Phase 2: **Participation in company activities**	85	2 Integration in the company's activities	50	2.1 Follow company guidelines.	15
				2.2 Try to observe occupational health and safety rules.	15
				2.3 Show openness and curiosity, find out about the work methods, techniques and tools used.	5
				2.4 Participate actively in tasks specific to the trade.	15

W_i: relative weighting of indicators W_c: relative weighting of participation criteria

ANALYSIS AND SPECIFICATIONS TABLE (SITUATIONAL OBJECTIVE)

PROGRAM: RV Maintenance and Repair

MODULE: 21 – ENTERING THE WORK FORCE **CODE:** 759 714

EXPECTED OUTCOME: Enter the work force

Learning Context	Duration (%)	Indicators	W_i	Participation Criteria	W_c
Phase 3: Evaluation	5	3 Discussion of the practicum experience	25	3.1 Relate their experience by clearly describing the main aspects of their practicum.	10
				3.2 Relate the competencies acquired in school to those required in the workplace.	15

W_i: relative weighting of indicators W_c: relative weighting of participation criteria

RV MAINTENANCE AND REPAIR (5714)

759 714 – ENTERING THE WORK FORCE (Module 21)

INFORMATION ON THE EVALUATION

The candidate must enter the work force. Evaluation of the candidates' participation is based on observations made at different times during the practicum by the teacher and by the practicum supervisor at the company. The evaluation is also based on the candidates' work (observation forms, questionnaires, telephone calls, and meetings with the teacher).

Phase 1: Preparation to do a practicum/familiarization with the practicum process and the workplace where the student has been placed

The teacher will ensure that the candidates become familiar with the details of the practicum. The candidates will communicate to the teacher, verbally or in writing, their observations of the work context and the way work is organized, the characteristics of the way the workplace is organized and the associated responsibilities.

Phase 2: Participation in company activities

The candidates are expected to become part of the company work team and to follow instructions related to the activities they are permitted to perform as trainees, work schedules, rules of ethics, etc.

In the evaluation, the teacher may take into account the assessment of a candidate's participation by the practicum supervisor at the company.

Phase 3: Evaluation

When evaluating the practicum, the teacher should encourage the candidates to express their views on the practicum experience by highlighting the important aspects of the practicum and relating the competencies acquired in school to those required in the workplace.

PARTICIPATION EVALUATION FORM

RV MAINTENANCE AND REPAIR	Program code:	5714
21 – Entering the Work Force	Module code:	759 714

Candidate's name: _____

School: _____ RESULT:

Permanent code: _____ PASS ☐ FAIL ☐

Date of examination: _____

Examiner's signature: _____

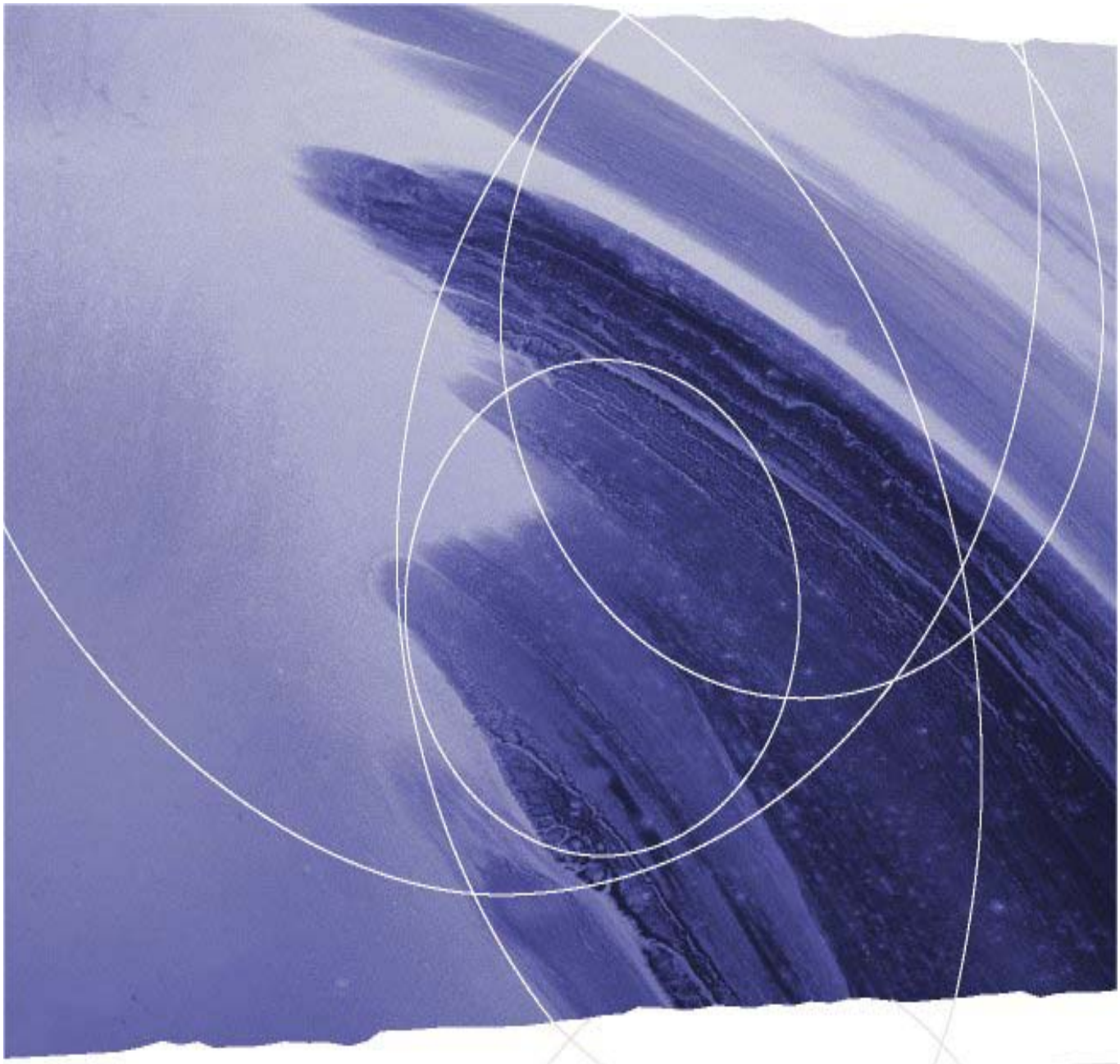
PARTICIPATION COMPONENTS	RESULT YES	RESULT NO
The aim of this situational module is to allow candidates to enter the work force. Candidates must meet the following criteria:		
PHASE 1: PREPARATION TO DO A PRACTICUM/ FAMILIARIZATION WITH THE PRACTICUM PROCESS AND THE WORKPLACE WHERE THE STUDENT HAS BEEN PLACED		
1.1 Carefully observe the work context and the way the work is organized.	☐	☐
1.2 Try to understand the characteristics of the way the workplace is organized.	☐	☐
1.3 Try to understand the practical organization of the practicum and the associated responsibilities.	☐	☐
PHASE 2: PARTICIPATION IN COMPANY ACTIVITIES		
2.1 Follow company guidelines (activities candidates are permitted to perform as trainees, work schedules, rules of professional ethics).	☐	☐
2.2 Try to observe occupational health and safety rules.	☐	☐
2.3 Show openness and curiosity, find out about the work methods, techniques and tools used.	☐	☐
2.4 Participate actively in tasks specific to the trade.	☐	☐

PARTICIPATION COMPONENTS	RESULT YES	RESULT NO
PHASE 3: EVALUATION		
3.1 Relate their experience by clearly describing the main aspects of their practicum.	☐	☐
3.2 Relate the competencies acquired in school to those required in the workplace.	☐	☐
Pass/fail conditions: 7 YESes out of a possible 9, and a YES for components 2.1, 2.2, 2.4 and 3.2		

Comments: _____

_____

_____



Éducation,
Loisir et Sport
Québec

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