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(12/2009)

Boating Safety Course and Test Syllabus

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<p>Responsible Authority</p> <p>The Director, Personnel Standards and Pilotage is responsible for this document, including any changes, corrections, or updates.</p>	<p>Approval</p> <hr/> <p>Marine Safety</p>
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1. INTRODUCTION

Transport Canada Marine Safety (TCMS) is working to administer the *Competency of Operators of Pleasure Craft Regulations* (COPCR). These regulations reflect Transport Canada's commitment to a recreational boating industry in which the health and safety of Canadians are our top priorities. The National Pleasure Craft Operator Competency Program (the Program) is based on the view that a population approach to public safety is best served by empowering Canadians with sound and comprehensive knowledge as the foundation for proven boating safety skills and best practices.

The primary goal of the Program, therefore, is to improve the safety of recreational boaters on Canadian waterways by increasing public knowledge of boating safety through high quality training and consistent knowledge assessment. Boating safety courses and/or testing culminate in the issuance of a Pleasure Craft Operator Card (PCOC), which, when carried onboard, satisfies the "proof of competency" requirements under section 3(1) of the COPCR.

Boating safety courses and tests are available across Canada in a variety of forums, including classrooms, testing kiosks, and over the Internet. By whatever method the PCOC is obtained, it attests to the fact that the cardholder has demonstrated the acceptable level of knowledge required to safely operate a motorized pleasure craft in Canada.

While TCMS administers the COPCR, all boating safety courses, tests and PCOCs are issued through private sector organizations referred to as Course Providers. As the federal regulator of the recreational boating safety industry, however, TCMS is responsible for ensuring that courses are both comprehensive and offer the most up-to-date boating safety information. Correspondingly, TCMS must also ensure that PCOC tests effectively assess a candidate's knowledge of this information. To that end, TCMS has published the *Boating Safety Course and Test Syllabus* – TP 14932E (the Syllabus).

2. LEGAL AUTHORITY

Pursuant to section 207(1)(b) of the *Canada Shipping Act, 2001* the Governor in Council may, on the recommendation of the Minister, make regulations respecting pleasure craft licensing and the safety of pleasure craft or classes of pleasure craft and of persons on board, including regulations respecting qualifications, including medical fitness, minimum age, degree of knowledge, skill, training and experience, for operators of pleasure craft or classes of pleasure craft, and the evidence required to prove compliance with those qualifications.

Upon the foregoing authority, the Minister of Transport formally requests that all recreational boating safety courses and tests shall be derived from this Syllabus and reflect the entirety of its content.

3. PURPOSE OF THE SYLLABUS

The purpose of the Syllabus is to establish a common understanding of the minimum level of boating safety knowledge required to safely operate a motorized pleasure craft on Canadian waters. Upon publication, it establishes a comprehensive, national standard of the requisite, essential content of all recreational boating safety course manuals and tests offered in Canada.

The Syllabus is not meant to serve, in any way, as part of an accredited boating safety course or as preparatory study material prior to testing. Rather, it is a collection of knowledge requirements and source materials gathered together to serve as the primary reference document when formulating course materials or curricula. The Syllabus is, therefore, intended primarily for Course Providers who will design and develop boating safety course manuals that serve as study material as part of an accredited course.

The Syllabus is also designed to promote a desire to learn about boating safety and a concern for the safe use of Canadian waterways. In this way, TCMS hopes to engender a culture of safety within the recreational boating community.

4. RATIONALE FOR PUBLISHING THE SYLLABUS

The COPCR were introduced into Canadian law under the *Canada Shipping Act* in 1999. At the time, responsibility for administering these regulations belonged to the Canadian Coast Guard (CCG) under the Department of Fisheries and Oceans. Accordingly, the CCG published a document entitled *The Boating Safety Course Standard* (BSCS) for the purposes of accrediting privately developed boating safety courses.

Course Providers initially designed and developed their course manuals based on the 149 knowledge statements contained in the BSCS. During a series of consultations in 2002, however, stakeholders recommended that the BSCS should be revised in order to better reflect a comprehensive understanding of the requisite boating safety knowledge. Additionally, other recommendations from the Transportation Safety Board, as well as coroners' reports and formal investigations, suggested that some elements should be added to the original BSCS and others removed or modified.

In 2005, a working group comprised of educators, subject matter experts, Course Providers, and enforcement officers reviewed the BSCS and made recommendations to improve it. These recommendations were presented to and accepted by the Standing Committee on Recreational Boating during the May 2007 meeting of the Canadian Marine Advisory Council.

TCMS has incorporated these recommendations into the revised standard document that has been re-titled the *Boating Safety Course and Test Syllabus* – TP 14932E. This Syllabus replaces the 149 knowledge elements of the BSCS and is comprised of 257 knowledge requirements outlined in the following domains:

1. Most Common Causes of On-water Incidents or Fatalities (4 requirements)
2. Important Boating Terminology (21 requirements)
3. Acts and Regulations that Apply to Pleasure Craft (30 requirements)
4. Criminal Offences (11 requirements)
5. Planning and Preparing for Boating Trips (39 requirements)

6. Mandatory Safety Equipment (57 requirements)
7. Sharing the Waterways (40 requirements)
8. Canadian Aids to Navigation System (CANS) (17 requirements)
9. Prevention of Emergency Situations (16 requirements)
10. Responding to Emergencies (22 requirements)

5. TCMS-GENERATED BOATING SAFETY TESTS

The quality of boating safety test questions has been a concern for both stakeholders and TCMS alike in recent years. It is crucial to the Program goals that PCOC tests effectively assess a candidate's knowledge wherever or however they are administered. In response to these concerns, TCMS has developed a bank of high-quality test questions derived from the 257 knowledge requirements presented in this Syllabus.

All new boating safety tests will be derived from this bank of questions. Upon their release, TCMS will make new tests available via the Pleasure Craft Operator Competency Database System (PCOCDS).

6. DEVELOPMENT OF BOATING SAFETY COURSE MANUALS

A course manual is an essential component of a boating safety course. It provides a candidate with the necessary study material prior to testing and serves as a useful reference document throughout a lifetime of recreational boating. It is important, therefore, to ensure that Canadians are adequately prepared for new TCMS-generated tests and receive comprehensive, up-to-date boating safety information. Consequently, Course Providers are responsible for designing and developing a boating safety course manual that adequately reflects the entire content of this Syllabus, its purpose, rationale and objectives.

A boating safety course manual is also part of the application package for TCMS accreditation to deliver the Program. New or updated course manuals must be submitted to TCMS for review and approval to ensure they conform to the entirety of this Syllabus. TCMS will review all course manuals prior to granting (or renewing) accreditation. It should also be noted that course manuals are subject to further review at any time throughout the accreditation cycle.

The Importance of Plain Language

Plain language is a requirement of the Communications Policy of the Government of Canada, and a priority at Transport Canada. When you develop your course materials, make sure the words you use are easy for your audience to read, understand, remember and use. If you are writing to the general public, you should write at a Grade 4-6 reading level. If you have questions about plain language, email publication@tc.gc.ca for a PDF version of our plain language guidelines.

7. HOW TO USE THIS DOCUMENT IN DEVELOPING COURSE MANUALS

This Syllabus establishes the national standard for the necessary content of all recreational boating safety courses and tests in Canada. As such, it must be used as the primary reference document when designing and developing a course manual. As both the layout and content of this Syllabus are substantially different from the BSCS, this section briefly summarizes the organization and features of this document.

The BSCS presented thirty-seven (37) tasks that required sufficient mastery of one hundred forty-nine (149) knowledge statements. Moreover, several of these knowledge statements include sub-points that further elaborate the primary statement. This Syllabus, by contrast, has been reorganized into ten (10) domains of requisite boating safety knowledge identified in sections 9.1 to 9.10.

Each section begins by stating the rationale and objectives driving its inclusion in this Syllabus. Consequently, this Syllabus contains ten (10) learning objectives and 257 knowledge requirements presented in separate tables, some further divided into subcategories. Thus, the disparity between the original 149 and current 257 knowledge requirements does not necessarily reflect a large number of additions. Rather it includes additions, deletions and reorganization to clarify the knowledge requirements and emphasize the importance of each in its own right.

A domain item number clearly identifies each knowledge requirement in the left-hand column of each table. The “Knowledge Requirements” column describes the necessary knowledge a person must possess in order to be deemed proficient in the safe operation of a pleasure craft. Wherever deemed necessary, the itemized knowledge requirements are accompanied by the corresponding reference for content details. Excluding those made to the *Small Vessel Regulations* (SVR), these references reflect the cited regulations in force as of the publication date of this Syllabus. References to the SVR are based on the proposed amendments to come into force in 2010. Course Providers are responsible for consulting these reference materials to ensure accurate presentation of the required content. A list of web links to these reference documents may be found in section 10.0.

To facilitate the revision process, please abide the following five (5) basic instructions when designing and developing a course manual:

1. While it is not necessary that a course manual follow the organization of this Syllabus, it is mandatory that it contain the 257 knowledge requirements in their entirety.
2. The content of a course manual must adequately reflect the supporting rationale in each section (9.1 to 9.10) to ensure that recreational boaters understand the supporting reasons for learning the required boating safety information.
3. The content of a course manual must be designed to accomplish the specific learning objectives identified in each section of this Syllabus.
4. The content of a course manual must satisfactorily explain or describe in appropriate detail each knowledge requirement presented in the Syllabus.
5. Please be sure to consult the essential reference when incorporating each knowledge requirement into your course manual to ensure that the information presented therein is both comprehensive and up-to-date.

8. HOW TO USE THE APPENDICES

TCMS has provided three (3) appendices to facilitate the process of updating boating safety course manuals. These documents may be used as tools throughout the revision process to ensure that the additions or modifications to this Syllabus are satisfactorily incorporated and may be clearly identified. These documents include:

Appendix A – Summary of Changes to the Boating Safety Course and Test Syllabus: a document that identifies the specific additions, modifications and deletions to the BSCS that have been incorporated into this Syllabus.

Please consult Appendix A when making the appropriate changes to your course manual.

Appendix B – Knowledge Requirement Presentation Summary: a document that identifies where each coded knowledge requirement is presented in a course manual.

Please consult Appendix B for further instructions when completing this document.

Appendix C – Formal Declaration of Boating Safety Course Manual Content: a signed formal document attesting that a course manual has been designed or updated according to this Syllabus and therefore reflects the entirety of its content, its purpose, rationale and objectives.

Please consult Appendix C for further instructions when completing this document.

Please note:

A course manual must be accompanied by two supporting documents (Appendices B and C) as part of the application package for TCMS accreditation.

Please print these completed documents and submit them to TCMS with your course manual as part of your application for accreditation (or renewal).

TCMS will use these documents as tools for reviewing your course manual and for purposes of evaluation and quality control throughout the accreditation cycle.

9. DOMAINS OF BOATING SAFETY KNOWLEDGE REQUIREMENTS

The following sections identify the knowledge requirements in each of the ten (10) domains.

9.1 MOST COMMON CAUSES OF ON-WATER INCIDENTS OR FATALITIES

Rationale: It is critical for boat operators to recognize behaviours or events that contribute to the majority of boating related incidents and fatalities so they know to avoid them. This section is meant to impress upon boaters the specific on-water dangers that all too often go unacknowledged; and, subsequently, the importance of boating safety education and training generally.

Objective: Operators must be able to describe the most common causes of on-water incidents or fatalities.

Domain 1: Most Common Causes of On-water Incidents or Fatalities		
Domain Item No.	Knowledge Requirement	References
1.1	Not wearing Personal Flotation Device (PFD)	<i>The National Drowning Report</i> (Canadian Red Cross)
1.2	Person overboard	
1.3	Capsizing (sink, swamp, grounding) and Collision	<i>National Boating Fatalities Report</i> (Lifesaving Society)
1.4	Alcohol and drug-related boat operation	

9.2 IMPORTANT BOATING TERMINOLOGY

Rationale: It is important for all boat operators to be able to speak the same ‘language’ about the safe day-to-day operation of a vessel. This ensures consistency in the use of terminology, can save time in an emergency situation, and helps avoid miscommunication.

Objective: Operators should be able to define key boating terms or expressions and use them appropriately whenever required.

Domain 2: Important Boating Terminology		
Domain Item No.	Knowledge Requirement	References
2.1	Bow	
2.2	Draft	
2.3	Hull	
2.4	Pleasure Craft	<i>Canada Shipping Act, 2001, Section 2 – Interpretation</i>
2.5	Operate	<i>Competency of Operators of Pleasure Craft Regulations, Interpretation</i>
2.6	Personal Flotation Device (PFD)	<i>Small Vessel Regulations, Definitions and Interpretation section</i>
2.7	Freeboard	
2.8	Give-way vessel	<i>Collision Regulations, Interpretation</i>
2.9	Lifejacket	<i>Small Vessel Regulations, Definitions and Interpretation section</i>
2.10	Port	
2.11	Power Driven Vessel	<i>Collision Regulations, Schedule I, PART A – General, Rule 3 (b)</i>
2.12	Restricted Visibility	<i>Collision Regulations, Schedule I, PART B, Rule 19</i>
2.13	Sailing Vessel	<i>Collision Regulations, Schedule I, PART A, Rule 3 (c)</i>
2.14	Strong Wind Warning	<i>Safe Boating Guide (TP 511E)</i>

Domain 2: Important Boating Terminology		
Domain Item No.	Knowledge Requirement	References
2.15	Standard Lifejacket	<i>Small Vessel Regulations</i> , Definitions and Interpretation section
2.16	Stand-on Vessel	<i>Collision Regulations</i> , Schedule I, PART B, Rule 17a
2.17	Starboard	
2.18	Stern	
2.19	Vessel	<i>Canada Shipping Act</i> , 2001, Section 2 – Interpretation and <i>Collision Regulations</i> Schedule I, PART A, Rule 3(a)
2.20	Wake	<i>Small Vessel Regulations</i> , Definitions and Interpretation section
2.21	Waterline (Design)	<i>Small Vessel Regulations</i>

9.3 LAWS AND REGULATIONS THAT APPLY TO PLEASURE CRAFT

Rationale: Operators must recognize that, in the interest of safety, there are laws and regulations that must be respected. Violations can result in boating incidents and therefore have various assigned penalties. Boat operators should understand the civil liability implications of recreational boating.

Objective: Operators should be able to describe the legal obligations of a vessel operator to comply with the applicable laws and regulations.

Domain 3: Laws and Regulations that Apply to Pleasure Craft		
Domain Item No.	Knowledge Requirement	References
Pleasure Craft Operator Competency Requirements for Recreational Boaters		
3.1	Requirement to carry proof of competency	<i>Competency of Operators of Pleasure Craft Regulations</i> , Section 4
Vessel Restrictions		
3.2	Age / Horsepower Restrictions Youth under 12 restrictions Youth between 12-16 restrictions Youth 16 + restrictions	<i>Vessel Operation Restriction Regulations</i> , Section 18-21
3.3	Speed limits, posted and un-posted (such as shoreline speed zones)	<i>Vessel Operation Restriction Regulations</i>
3.4	Designated waters where boats are prohibited or where special conditions apply	<i>Vessel Operation Restriction Regulations</i>
3.5	Requirement for mufflers	<i>Small Vessel Regulations</i>

Domain 3: Laws and Regulations that Apply to Pleasure Craft		
Domain Item No.	Knowledge Requirement	References
Licensing, Registration and Canadian Compliance Labeling Requirements		
3.6	Types of vessels to be licensed or registered	<i>Small Vessel Regulations</i> , PART 1
3.7	License (or copy) to be carried on board when in operation	<i>Small Vessel Regulations</i> , PART 1
3.8	Updating ownership information – selling / transfer of ownership	<i>Small Vessel Regulations</i>
3.9	Proper display of license letters and numbers	
3.10	Hull Identification Number requirement and placement	<i>Small Vessel Regulations</i>
3.11	Capacity plate or label (recommended maximum safe limits of load, number of persons and engine power permanently attached to vessel)	<i>Small Vessel Regulations</i>
Inspections of Pleasure Craft		
3.12	Designated enforcement officials who can inspect the pleasure craft	<i>Canada Shipping Act</i> , 2001 – PART 10 – Pleasure Craft, Sections 194, & 196
Safety Equipment Requirements (also applicable to loaning of boats)		
3.13	Minimum required equipment as determined by length of vessel	<i>Small Vessel Regulations</i> , PART 2 <i>Safe Boating Guide</i> (TP 511E)
3.14	Maintenance of safety equipment so that it is in good working order	<i>Small Vessel Regulations</i>
3.15	Distress equipment / Visual Signals	<i>Small Vessel Regulations</i> , PART 2
Prohibition of Careless Operation		
3.16	Prohibition Against Careless Operation and Requirement for due care and attention and reasonable consideration for other people	<i>Small Vessel Regulations</i>
Requirement to Render Assistance to the Extent of Being Able To Do So		
3.17	To persons found at sea and in danger of being lost	<i>Canada Shipping Act</i> , 2001, Section 132 <i>Criminal Code of Canada</i> , Section 252(1)
3.18	When operator is involved in an collision	<i>Canada Shipping Act</i> , 2001, Section 148 (a)
Rules for Safe Navigation		
3.19	Safe speed	<i>Collision Regulations</i> , Schedule I, PART B – Steering and Sailing Rules, Rule 6
3.20	Maintaining a look-out	<i>Collision Regulations</i> , Schedule I, PART A, Rule 5
3.21	Use of sound signals	<i>Collision Regulations</i> , Rule 34-36

Domain 3: Laws and Regulations that Apply to Pleasure Craft		
Domain Item No.	Knowledge Requirement	References
Rules for Safe Navigation (cont'd)		
3.22	Rules of the road	<i>Collision Regulations</i> , Schedule I, PART B, Rules 9 (a) (b)
3.23	Recognition of navigation lights	<i>Collision Regulations</i> , Schedule I, PART C, Rule 21
3.24	Display of navigation lights	<i>Collision Regulations</i> , Schedule I, PART C, Rule 20
Navigational Requirements		
3.25	Location and character of charted shipping routes; lights, buoys and marks; and navigational hazards	<i>Charts and Nautical Publications Regulations</i> , Section 4(2)(a)
3.26	Prevailing navigational conditions, taking into account such factors as tides, currents, ice and weather patterns	Tide and Current Tables
3.27	Requirement to equip vessel with magnetic compass or compass bearing device (applies to certain pleasure craft)	<i>Navigation Safety Regulations</i> , PART 2-3
Prohibition of Dumping of Pollutants		
3.28	Prohibition of dumping of oil, oil-wastes, garbage and hazardous chemicals (including toxic cleaning products)	<i>Regulations for the Prevention of Pollution from Ships and for Dangerous Chemicals</i> , PART 2 – Specific Provisions, Division 1 – Oil
3.29	Discharge of sewage (black water) as an offence in certain areas	<i>Regulations for the Prevention of Pollution from Ships and for Dangerous Chemicals</i> , PART 2 – Specific Provisions, Division 4 – Sewage
3.30	Responsibility to clean up and report incidents	<i>Pollutant Discharge Reporting Regulations</i> , Section 5 – Report

9.4 CRIMINAL OFFENSES

Rationale: Operators must recognize that certain behaviours constitute criminal offences that are punishable under the Criminal Code of Canada.

Objective: Operators should be able to recognize the boating behaviours or activities that constitute criminal offences under the Criminal Code of Canada.

Domain 4: Criminal Offences		
Domain Item No.	Knowledge Requirement	References
4.1	Operating vessel in dangerous manner	<i>Criminal Code of Canada</i> , Section 249(1)(b)
4.2	Consumption of alcohol/drugs while operating a vessel	<i>Criminal Code of Canada</i> , Section 253(a)
4.3	Operating vessel while impaired (alcohol/drugs) or in excess of 80mg.	<i>Criminal Code of Canada</i> , Section 253(b)
4.4	Towing water-skiers without a watch or after dark (one hour after sunset to sunrise)	<i>Small Vessel Regulations</i> , Water Sports <i>Criminal Code of Canada</i> , Section 250
4.5	Failure to stop at the scene of a collision	<i>Criminal Code of Canada</i> , Section 252
4.6	Failure to comply with demand (demand to stop)	<i>Criminal Code of Canada</i> , Section 254(5), 255
4.7	Sending false distress signals	<i>Criminal Code of Canada</i> , Section 372(1) <i>Radio Communications Act</i> , Section 9(1)(a)
4.8	Operating an unseaworthy vessel	<i>Criminal Code of Canada</i> , Section 251(1)
4.9	Tying up to a buoy	<i>Criminal Code of Canada</i> , Section 439(1)
4.10	Unseaworthy vessel	<i>Criminal code of Canada</i> , Section 251(1)(a)
4.11	Operating vessel while disqualified / prohibited	<i>Criminal Code of Canada</i> , Section 259 <i>Competency of Operators of Pleasure Craft Regulations</i> , Section 3 – Prohibitions

9.5 PLANNING AND PREPARATION FOR BOATING TRIPS

Rationale: Negligence of boat maintenance and inadequate preparation for boating trips can lead to unsafe boating experiences, resulting in injury and loss of life. Boat operators should also understand the importance of demonstrating lifesaving equipment and providing safety instructions to their guests.

Objective: Operators should be able to describe and complete pre-trip planning and preparation requirements.

Domain 5: Planning and Preparation for Boating Trips		
Domain Item No.	Knowledge Requirement	References
Conducting Pre and Post-Season Sea-Worthiness Checks		
5.1	Mechanical	<i>Construction Standards for Small Vessels</i> (TP 1332)
5.2	Test flotation devices as per manufacturer's instructions	
5.3	Confirm sizing of PFDs	
5.4	Confirm adequate number of PFDs for passengers on board	<i>Safe Boating Guide</i> (TP 511E)

Domain 5: Planning and Preparation for Boating Trips		
Domain Item No.	Knowledge Requirement	References
Conducting Pre and Post-Season Sea-Worthiness Checks (con't)		
5.5	VHF/ROC certificate	<i>Radio Communications Act</i> , Section 5(1)(a)(iii)
5.6	Pleasure Craft Courtesy Check Program	<i>Safe Boating Guide</i> (TP 511E)
5.7	Ensuring the vessel is in good working order, and serviced as required before each trip	<i>Construction Standards for Small Vessels</i> (TP 1332)
5.8	Ensuring the vessel is properly equipped, with readily accessible required safety equipment, before each trip	<i>Safe Boating Guide</i> (TP 511E)
Personal Protection Equipment / Personal Lifesaving Appliances		
5.9	Canadian approved PFDs with labels (correct size and number for all passengers)	<i>Small Vessel Regulations</i> , Definitions and Interpretation section and PART 2
5.10	Inflatable PFDs, including pouch types (within guidelines of permissible use)	<i>Small Vessel Regulations</i>
5.11	Approved standard lifejackets	
5.12	Buoyant heaving lines (appropriate length per vessel size)	<i>Small Vessel Regulations</i> , PART 2
5.13	Currently approved Lifebuoys	<i>Small Vessel Regulations</i>
5.14	Re-boarding device, where required (cannot be part of propulsion unit)	<i>Small Vessel Regulations</i> , PART 2
Boat Safety Equipment / Vessel Safety Equipment		
5.15	Manual propelling device	<i>Small Vessel Regulations</i>
5.16	Anchor (line length must meet minimum requirements)	<i>Small Vessel Regulations</i>
5.17	Bailers / water pumps	<i>Small Vessel Regulations</i>
Fire Fighting Equipment		
5.18	Fire extinguishers	<i>Small Vessel Regulations</i>
5.19	Axe	<i>Small Vessel Regulations</i> , PART 2
5.20	Buckets	<i>Small Vessel Regulations</i> , PART 2
Distress Equipment / Visual Signals		
5.21	Watertight flashlight	<i>Small Vessel Regulations</i> , PART 2
5.22	Pyrotechnic Distress Signals / Flares	<i>Small Vessel Regulations</i>

Domain 5: Planning and Preparation for Boating Trips		
Domain Item No.	Knowledge Requirement	References
Navigation Equipment		
5.23	Sound signaling device or a sound signaling appliance	<i>Small Vessel Regulations</i> , PART 2 <i>Collision Regulations</i> , Schedule I, PART D, Rule 33
5.24	Navigation lights as per standards in Collision Regulations	<i>Small Vessel Regulations</i> , PART 2 <i>Collision Regulations</i> , Schedule I, PART C, Rule 20-31
5.25	Radar reflector	<i>Collision Regulations</i> , Schedule I, PART F, Rule 40
5.26	Magnetic compass	<i>Small Vessel Regulations</i> , PART 2 <i>Navigation Safety Regulations</i> , PARTS 2-3
5.27	Marine charts, topographical maps, GPS (if applicable)	<i>Charts and Nautical Publications Regulations</i> , Section 4-5
Planning and Preparation Best Practices		
5.28	Adequate oil and fuel supply for the planned trip (Fuel rule of thirds – 1/3 reserve, 1/3 trip out, 1/3 trip back)	<i>Safe Boating Guide</i> (TP 511E)
5.29	Identifying how/who to call for help or assistance in the event of an emergency (e.g., cell, VHF, whistle, distress signals)	<i>Safe Boating Guide</i> (TP 511E)
5.30	Preparing and filing of (or notifying someone responsible) the sail plan (i.e., trip plan, float plan) for each boating trip	<i>Safe Boating Guide</i> (TP 511E)
5.31	Closing (deactivating) sail plan at trip completion	<i>Safe Boating Guide</i> (TP 511E)
5.32	Obtaining the latest update of Homeland Security Requirements if traveling in U.S. waters	Travel Security and Procedures – Crossing U.S. Borders, U.S. Department of Homeland Security
5.33	Checking marine charts for local hazards that may impede the operation of a boat	<i>Safe Boating Guide</i> (TP 511E)
5.34	Checking navigational references for water levels, times of low, slack and high tides and the direction of water flow	<i>Safe Boating Guide</i> (TP 511E)
5.35	Checking navigational references to identify places to take shelter in event of foul weather	<i>Safe Boating Guide</i> (TP 511E)
5.36	Checking weather forecasts for dangerous conditions before heading out, using appropriate sources	<i>Safe Boating Guide</i> (TP 511E)

Domain 5: Planning and Preparation for Boating Trips		
Domain Item No.	Knowledge Requirement	References
Planning and Preparation Best Practices (con't)		
5.37	Determining acceptable loading on the basis of identifying a boat's recommended maximum safe load capacity (total weight and number of persons)—pleasure craft less than 6 meters	<i>Safe Boating Guide</i> (TP 511E)
5.38	Conducting a pre-departure briefing with passengers to provide safety information and emergency procedures	<i>Safe Boating Guide</i> (TP 511E)
5.39	Recognizing that wearing of a PFD at all times while boating is the highest safety priority in preventing boating deaths	<i>Safe Boating Guide</i> (TP 511E)

9.6 MANDATORY SAFETY EQUIPMENT

Rationale: Safety equipment that is easily accessible and in working order is instrumental to safe boating and in saving lives.

Objective: Operators should be able to identify and describe these three points for each domain item:

- The importance of mandatory boating safety equipment;
- How to use the required safety equipment properly; and
- How to properly maintain the required safety equipment.

Domain 6: Mandatory Safety Equipment		
Domain Item No.	Knowledge Requirement	References
Personal Protection Equipment		
6.1 (a) 6.2 (b) 6.3 (c)	Flotation devices: <ul style="list-style-type: none"> Importance of always wearing lifejacket Types Advantages and disadvantages How to adjust When to replace Proper treatment of 	<i>Safe Boating Guide</i> (TP 511E)
6.4 (a) 6.5 (b) 6.6 (c)	Buoyant heaving lines	<i>Safe Boating Guide</i> (TP 511E)
6.7 (a) 6.8 (b) 6.9 (c)	Lifebuoys	<i>Safe Boating Guide</i> (TP 511E)

Domain 6: Mandatory Safety Equipment		
Domain Item No.	Knowledge Requirement	References
Personal Protection Equipment (cont'd)		
6.10 (a) 6.11 (b) 6.12 (c)	Re-boarding devices (cannot be part of propulsion unit)	<i>Safe Boating Guide</i> (TP 511E)
Boat Safety Equipment		
6.13 (a) 6.14 (b) 6.15 (c)	Manual propelling device	<i>Safe Boating Guide</i> (TP 511E)
6.16 (a) 6.17 (b) 6.18 (c)	Anchor	<i>Safe Boating Guide</i> (TP 511E)
6.19 (a) 6.20 (b) 6.21 (c)	Bailers/manual water pumps	<i>Safe Boating Guide</i> (TP 511E)
6.22 (a) 6.23 (b) 6.24 (c)	Bilge pumping arrangements	
Fire Fighting Equipment		
6.25 (a) 6.26 (b) 6.27 (c)	Fire extinguishers (appropriate number, appropriate type, approved)	<i>Safe Boating Guide</i> (TP 511E)
6.28 (a) 6.29 (b) 6.30 (c)	Axe	
6.31 (a) 6.32 (b) 6.33 (c)	Buckets	
Distress Equipment		
6.34 (a) 6.35 (b) 6.36 (c)	Marine radio communications and GPS	<i>Safe Boating Guide</i> (TP 511E)
6.37 (a) 6.38 (b) 6.39 (c)	Distress Flares	<i>Safe Boating Guide</i> (TP 511E)
Navigation Equipment		
6.40 (a) 6.41 (b) 6.42 (c)	Sound-signaling device or sound-signaling appliance	<i>Collision Regulations</i> , Schedule I, PART D, Rules 33-34
6.43 (a) 6.44 (b) 6.45 (c)	Navigation lights	<i>Collision Regulations</i> , Schedule I, PART C, Rule 25 <i>Safe Boating Guide</i> (TP 511E)

Domain 6: Mandatory Safety Equipment		
Domain Item No.	Knowledge Requirement	References
Navigation Equipment (cont'd)		
6.46 (a) 6.47 (b) 6.48 (c)	Watertight flashlight (qualifies as navigation lights on non-powered vessels less than 7m)	<i>Collision Regulations</i> , Schedule I, PART C, Rule 25
6.49 (a) 6.50 (b) 6.51 (c)	Radar reflector	<i>Collision Regulations</i> , Schedule I, PART F, Rule 40 <i>Safe Boating Guide</i> (TP 511E)
6.52 (a) 6.53 (b) 6.54 (c)	Magnetic compass	<i>Small Vessel Regulations</i> , PART 2 <i>Navigation Safety Regulations</i> , PARTS 2-3
6.55 (a) 6.56 (b) 6.57 (c)	Nautical charts and topographical maps	<i>Safe Boating Guide</i> (TP 511E)

9.7 SHARING THE WATERWAYS

Rationale: Boat operators should be prepared to share the waterways so as not to create a hazard or threat to other boaters and watercraft, swimmers, divers, wildlife or the environment in general.

Objective: Operators should be able to describe the rules to apply when sharing the waterways.

Domain 7: Sharing the Waterways		
Domain Item No.	Knowledge Requirement	References
7.1	Operating at a safe speed, taking into consideration visibility; wind, water conditions, and currents; boat maneuverability; traffic density, types of vessels in area, and their proximity; proximity of navigational hazards	<i>Collision Regulations</i> , Schedule I, PART B – Steering and Sailing Rules, Rule 6 – Safe Speed – International
7.2	Complying with any boating restrictions in effect	<i>Vessel Operation Restriction Regulations</i>
7.3	Requirement for Safe Operation	<i>Vessel Operation Restriction Regulations</i> , section 15
7.4	Maintaining a proper lookout to avoid collisions	<i>Collision Regulations</i> , Schedule I, PART A, Rule 5
7.5	Using approved sound signalling devices	<i>Collision Regulations</i> , Schedule I, PART D, Rule 33
7.6	Applying appropriate rules of the road as they apply to the interaction of various vessel types including power, sail and paddle	<i>Collision Regulations</i> , Schedule I, PART B, Rule 18

Domain 7: Sharing the Waterways		
Domain Item No.	Knowledge Requirement	References
Right of Way Rules		
7.7	Overtaking vessels	<i>Collision Regulations</i> , Schedule I, PART B, Rule 13
7.8	Altering course	<i>Collision Regulations</i> , Schedule I, PART B, Rule 8
7.9	Crossing other vessels	<i>Collision Regulations</i> , Schedule I, PART B, Rule 15
7.10	Give-way vessels	<i>Collision Regulations</i> , Schedule I, PART B, Rule 16
7.11	Stand-on vessels	<i>Collision Regulations</i> , Schedule I, PART B, Rule 17
Hierarchy of Responsibility Between Vessels		
7.12	Vessels not under command or restricted in their ability to manoeuvre	<i>Collision Regulations</i> , Schedule I, PART B, Rule 18 – Responsibilities between vessels
7.13	Vessels engaged in fishing, sailboats, paddle craft, canoes, and kayaks	<i>Collision Regulations</i> , Schedule I, PART B, Rule 18 – Responsibilities between vessels
7.14	Steering clear of shipping lanes	<i>Collision Regulations</i> , Schedule I, PART B, Rule 10 – Traffic Separation
7.15	Navigating in a narrow channel	<i>Collision Regulations</i> , Schedule I, PART B, Rule 9 – Narrow Channels
7.16	Being prepared to yield to large vessels	<i>Collision Regulations</i> , Schedule I, PART B, Rule 18 – Vessel restricted in her ability to maneuver
7.17	Navigating in groups when possible (small craft)	<i>Safe Boating Guide</i> (TP 511E)
7.18	Keeping clear of docked ferries, ferries in transit, or vessel in tow	
7.19	Never passing between a tug and its tow	<i>Safe Boating Guide</i> (TP 511E)
Using Courtesy and Commonsense		
7.20	Reduction of engine noise	<i>Safe Boating Guide</i> (TP 511E)
7.21	Keeping distance from divers below the surface	<i>Safe Boating Guide</i> (TP 511E)
7.22	Avoiding motor/propeller strikes	
7.23	Staying well clear of swimmers, paddle craft, wildlife, properties, etc.	<i>Safe Boating Guide</i> (TP 511E)
7.24	Controlling the wake	<i>Safe Boating Guide</i> (TP 511E)
7.25	Respecting the environment	<i>Safe Boating Guide</i> (TP 511E)

Domain 7: Sharing the Waterways		
Domain Item No.	Knowledge Requirement	References
Using Courtesy and Commonsense (cont'd)		
7.26	Avoiding polluting – black water discharge, fuel and oil spills, use of toxic cleaners, clean up bottom coat sanding and scraping, cross-contamination of invasive species	<i>Regulations for the Prevention of Pollution from Ships and for Dangerous Chemicals</i> , PART I – Subdivision 3 and <i>Small Vessel Regulations</i>
Recognizing Vessels by Their Lights		
7.27	Sailboats	<i>Collision Regulations</i> , Schedule I, PART C, Rule 25
7.28	Vessel engaged in fishing	<i>Collision Regulations</i> , Schedule I, PART C, Rule 26
7.29	Rowboat	<i>Collision Regulations</i> , Schedule I, PART C, Rule 25
7.30	Canoe	<i>Collision Regulations</i> , Schedule I, PART C, Rule 25
7.31	Kayak	<i>Collision Regulations</i> , Schedule I, PART C, Rule 25
7.32	Anchored vessels	<i>Collision Regulations</i> , Schedule I, PART C, Rule 30
7.33	Towboats	<i>Collision Regulations</i> , Schedule I, PART C, Rule 24
7.34	Government or police vessels	<i>Collision Regulations</i> , Schedule I, PART F, Rule 45
7.35	Vessels being pushed	<i>Collision Regulations</i> , Schedule I, PART C, Rule 24
Displaying Correct Navigation Lights for the Vessel From Sunset to Sunrise or During Periods of Reduced Visibility		
7.36	Port side (red)	<i>Collision Regulations</i> , PART C – Lights and Shapes, Rule 21 (b)
7.37	Starboard side (green)	<i>Collision Regulations</i> , PART C – Lights and Shapes, Rule 21 (b)
7.38	Masthead light (white)	<i>Collision Regulations</i> , PART C – Lights and Shapes, Rule 21 (a)
7.39	Stern light (white)	<i>Collision Regulations</i> , PART C – Lights and Shapes, Rule 21 (c)
7.40	All-Round (white)	<i>Collision Regulations</i> , PART C – Lights and Shapes, Rule 21 (e)

9.8 CANADIAN AIDS TO NAVIGATION SYSTEM (CANS)

Rationale: Identification of buoys will allow boat operators to navigate safely and be aware of specific situations and dangers affecting boat operation.

Objective: Operators should be able to identify and describe the functions of various buoys and what to do in response to the specific situations or dangers identified by *The Canadian Aids to Navigation System* (TP 968).

Domain 8: Canadian Aids to Navigation System (CANS)		
Domain Item No.	Knowledge Requirement	References
Lateral Buoys – Specific identification and purpose		
8.1	Upstream direction (red/right/returning)	The Canadian Aids to Navigation System (TP 968E) (Canadian Coast Guard)
8.2	Port hand	
8.3	Bifurcation	An Owner’s Guide to Private Buoys (TP 14799E)
8.4	Starboard hand	
Special Purpose – Specific identification and purpose		
8.5	Cautionary	The Canadian Aids to Navigation System (TP 968E) (Canadian Coast Guard)
8.6	Anchorage	
8.7	Mooring	An Owner’s Guide to Private Buoys (TP 14799E)
8.8	Information	
8.9	Hazard	Safe Boating Guide (TP 511E)
8.10	Control	
8.11	Keep out	Vessel Operation Restriction Regulations
8.12	Diving	
8.13	Swimming	The Canadian Aids to Navigation System (TP 968E) (Canadian Coast Guard)
8.14	Day beacons	
8.15	Junction	An Owner’s Guide to Private Buoys (TP14799E)
8.16	Cardinal (general group identification and purpose)	
8.17	Isolated danger buoys	

9.9 PREVENTION OF EMERGENCY SITUATIONS

Rationale: Boat operators should be aware of situations that could jeopardize the safety of a boat and everyone on board while on the water and be able to adapt to changing conditions. In particular, they should recognize that small open boats are susceptible to swamping and capsizing.

Objective: Operators should be able to describe measures to take to prevent emergency situations.

Domain 9: Prevention of Emergency Situations		
Domain Item No.	Knowledge Requirement	References
Knowing Personal Limitations of the Operator and the Limitations of the Vessel		
9.1	Operator boating experience and skill set for the planned trip	<i>Safe Boating Guide</i> (TP 511E)
9.2	Recognizing the symptoms and dangers of operator fatigue	
9.3	Influence of drugs and alcohol on boat operation	
9.4	Boat maneuverability	
9.5	Boat capacity	
Monitoring boating conditions, being alert to changes and recognizing potential danger (e.g., hazardous weather and water conditions, greater boat traffic, navigational hazards)		
9.6	Steering clear of rapids or currents	<i>Safe Boating Guide</i> (TP 511E)
9.7	Identifying weather and water condition emergencies (e.g., small craft warnings) and measures to be taken in certain conditions, including: <ul style="list-style-type: none"> • Restricted visibility • Squall (make note of compass heading) • Thunderstorms • Sudden wind • Rapid build-up of high wave conditions • Debris from the shoreline after heavy rains, streams, rivers and creeks rise 	<i>Safe Boating Guide</i> (TP 511E)
9.8	Taking shelter	<i>Safe Boating Guide</i> (TP 511E)
Taking appropriate action to prevent dangerous situations		
9.9	Ensuring passengers are wearing PFDs	
9.10	Loading	
9.11	Maintaining weight distribution of passengers and load	<i>Safe Boating Guide</i> (TP 511E)
9.12	Fuelling	<i>Small Vessel Regulations</i>
9.13	Engine start-up	<i>Small Vessel Regulations</i>
9.14	Avoiding and detecting carbon monoxide	<i>Safe Boating Guide</i> (TP 511E)
9.15	Using fuel-burning appliances	<i>Safe Boating Guide</i> (TP 511E)
9.16	Ignition protection (as required)	<i>Safe Boating Guide</i> (TP 511E) <i>Small Vessel Regulations</i>

9.10 RESPONDING TO EMERGENCY SITUATIONS

Rationale: Following proper procedures when responding to emergencies can minimize injuries and fatalities.

Objective: Operators should be able to describe measures to take when responding to emergency situations.

Domain 10: Responding to Emergencies		
Domain Item No.	Knowledge Requirement	References
Identifying Measures To Be Taken in Emergency Situations		
10.1	Grounding	
10.2	Collision	
10.3	Hull leaks or flooding	
10.4	Fire	
10.5	Mechanical breakdown	
10.6	Capsizing, swamping or sinking	
10.7	Person overboard	<i>Safe Boating Guide</i> (TP 511E)
10.8	Cold immersion survival	<i>Survival in Cold Waters: Staying Alive</i> (TP 13822) <i>Safe Boating Guide</i> (TP 511E)
10.9	Recognizing distress signals as per Collision Regulations	<i>Collision Regulations</i> , Schedule IV – Distress Signals
10.10	Identifying measures to be taken to assist a vessel in distress	<i>Canada Shipping Act, 2001</i> – Section 131
Identifying and Taking Appropriate Measures for Medical Emergencies		
10.11	Cold-water shock	<i>Survival in Cold Waters: Staying Alive</i> (TP 13822)
10.12	Recognizing symptoms	
10.13	Treating	
10.14	Hypothermia	
10.15	Recognizing symptoms	
10.16	Treating	
10.17	Carbon-monoxide poisoning	
10.18	Recognizing symptoms	
10.19	Treating	
10.20	Heat stroke, exhaustion, seasickness symptoms	<i>Canadian Lifesaving Manual</i> (Lifesaving Society)
10.21	Recognizing symptoms	
10.22	Treating	

10. WEBSITE LINKS TO REFERENCE DOCUMENTS

1. *Canada Shipping Act, 2001*: <http://laws.justice.gc.ca/eng/C-10.15/index.html>
 - a. *Charts and Nautical Publications Regulations, 1995*:
<http://lois.justice.gc.ca/PDF/Regulation/S/SOR-95-149.pdf>
 - b. *Collision Regulations*: <http://laws.justice.gc.ca/eng/C.R.C.-c.1416/index.html>
 - c. *Competency of Operators of Pleasure Craft Regulations*:
<http://laws.justice.gc.ca/eng/SOR-99-53/index.html>
 - d. *Navigation Safety Regulations*:
<http://laws.justice.gc.ca/eng/SOR-2005-134/index.html>
 - e. *Pollutant Discharge Reporting Regulations, 1995*:
<http://laws.justice.gc.ca/eng/SOR-95-351/index.html>
 - f. *Regulations for the Prevention of Pollution from Ships and for Dangerous Chemicals*: <http://laws.justice.gc.ca/eng/SOR-2007-86/index.html>
 - g. *Small Vessel Regulations*: <http://laws.justice.gc.ca/eng/C.R.C.-c.1487/index.html>
 - h. *Vessel Operation Restriction Regulations*:
<http://laws.justice.gc.ca/eng/SOR-2008-120/index.html>
2. *Criminal Code (R.S., 1985 c. C-46)*: <http://laws.justice.gc.ca/en/C-46/>
3. *Marine Transportation Security Act*: <http://laws.justice.gc.ca/en/M-0.8/>
4. National Boating Fatalities Report:
<http://www.lifesaving.ca/main.php?lang=english&cat=publications&sub=dr>
5. National Drowning Report: <http://www.redcross.ca/article.asp?id=4601&tid=024>
6. *Radio Communications Act*: <http://laws.justice.gc.ca/en/R-2/index.html>
7. Travel Security and Procedures – Crossing U.S. Borders, U.S. Department of Homeland Security: <http://www.dhs.gov/files/crossingborders/index.shtm>
8. *The Canadian Aids to Navigation System* (TP 968):
http://www.ccg-gcc.gc.ca/eng/Ccg/atn_Aids_To_Navigation_System and
<http://www.ccg-gcc.gc.ca/folios/00020/images/cans-eng.jpg>
9. Transport Canada, Marine Safety Publications (Complete list of TP Documents):
<http://www.tc.gc.ca/MarineSafety/TP/menu.htm>
 - a. *An Owner's Guide to Private Buoys* (TP 14799E):
<http://www.tc.gc.ca/marinesafety/tp/tp14799/menu.htm>
 - b. *Safe Boating Guide* (TP 511E):
<http://www.tc.gc.ca/marinesafety/tp/tp511/menu.htm>
 - c. *Survival in Cold Waters: Staying Alive* (TP 13822E):
<http://www.tc.gc.ca/publications/app/en/corral.asp?itemid=48469&tpnumber=13822&language=US&source=istore>

**APPENDIX A – SUMMARY OF CHANGES TO THE BOATING SAFETY COURSE
AND TEST SYLLABUS**

Please note: The reference numbers in the left-hand column are taken from the Boating Safety Course Standard (for this table only).

Deletions From the BSCS (Old)		
BSCS Ref	Knowledge Element	Justification
Collision Regulations Pertaining to Lights and Shapes:		
11.1	Masthead Light (removed reference to the placement of the light)	These details were deemed to be too technical for an introductory course. The objective is to ensure a basic understanding of lights i.e. green light equals starboard side. A basic course should instead emphasize the relationship between lights and steering.
11.2	Side Lights (removed reference to degrees)	
11.3	Stern Light (removed reference to degrees)	
Conduct of Sailing Vessels in Sight of One Another		
10.1	Wind on Port Side Rule 12 a (i)	This function applies to sailing vessels. It would be more applicable to a sailing or advanced course. COPCR applies to operators of power craft not sailing vessels. Operators of vessels on inland waters that are too shallow or rocky for sailboats complain it is not necessary for them to know this level of detail in a basic course. It is important to keep in mind Canada has a large and diverse recreational community – need to draw the happy medium. Can’t address everything in one course.
10.2	Wind on same side Rule 12 a (ii)	
10.3	Wind direction uncertain Rule 12 a (iii)	
10.4	Windward side defined	
Removal of the Following Terms:		
24.1	Abaft	These terms were considered too technical for an introductory course. Emphasis should be placed on the effect high winds can have on the attitude of a vessel and to avoid going out if high winds are predicted. Use the wind speed 20 knots or more as reference.
24.2	Ahead	
24.3	Astern	
24.4	Beam	
24.7	Fenders	
24.10	Light Wind	
24.11	Moderate Winds	
24.18	Storm Warning	
24.19	Strong Winds	
24.20	Underway	
24.22	Wash	

Deletions From the BSCS (Old)		
BSCS Ref	Knowledge Element	Justification
Cardinal Buoys Removal of descriptive detail of the buoys, however, basic information i.e. their color and direction of safer water, remains.		
34.4	North cardinal buoy	Cardinal buoys are found in limited areas. There were complaints from course providers and boaters in general about the relevancy of knowing all the details about the cardinal buoys, such as their lights. Canada has a high population of small vessels operating on inland waterways that are not charted. With this emphasis, boaters complained that COPCR is for big boaters and they are not being considered.
34.5	East cardinal buoy	
34.6	South cardinal buoy	
34.7	West cardinal buoy	
Special Buoys Removal of specific information as it relates to cautionary, keep out, control hazard and information buoys.		
34.8	Cautionary buoy	General information on special buoys remains, like their color and shape. Students are encouraged to take advanced courses if they want to learn more about aids to navigation. Emphasis placed on becoming familiar with the types of buoys, colors and shapes in the area they will be boating. It is also important to reference where to find information on buoys.
34.10	Keep out buoy	
34.11	Control buoy	
34.12	Hazard buoy	
34.13	Information buoy	
34.15	Port Hand Day Beacon	
34.16	Starboard Hand Day Beacon	
34.17	Range Day Beacon	
34.18	Posted Command Signs	
Capacity Plates		
5.1	Recommended gross load capacity	Revised section to place much more emphasis on compliance notices and the importance to safe loading.
5.2	Recommended safe limits of engine power	
Carriage of Safety Equipment		
3.1	Existence of SVR’s	Revised section to place much more emphasis on personal safety equipment, boat safety equipment, distress equipment, and navigation equipment. Specifically, to ensure that storage, use, maintenance and appropriateness of equipment is covered in detail.
3.2	Know the minimum equipment requirements for various categories of pleasure craft	
3.3	Maintenance of safety equipment	

Please note: Some items listed here may already appear in course manuals. Their inclusion in this list is meant to renew the emphasis on their importance. Please be sure the content of your manual reflects this emphasis.

Additions or Enhancements to the Syllabus (New)				
The Syllabus	Knowledge Requirement	Justification		
Competency of Operators of Pleasure Craft Regulations				
3.1	Rationale	Omitted from BSCS.		
Vessel Operation Restriction Regulations – Age & Horsepower				
3.2	Application	Omitted from BSCS.		
	Restriction by Age & Horsepower			
Compliance Notices				
3.6 3.7 3.8 3.9 3.10 3.11	Conformity Label	More emphasis on the importance of compliance notices.		
	Capacity Label			
	Obtaining Labels	Necessary due to the overloading of small open boats.		
	New Labels			
	Label information & safety	Safety feature – labels.		
	Hull Serial Number (HIN)			
Personal Safety Equipment				
1.1 2.6 2.9 2.15	5.2-5.4 5.9-5.11 5.39 6.1-6.3 9.9	Flotation Devices · <ul style="list-style-type: none">• PFD• Standard Lifejacket·• Small Vessel Regulation Lifejacket Care Testing	Recommendations from stakeholders.	
5.12 6.4	6.5 6.6	Buoyant Heaving Lines		More emphasis was required on the importance of safety equipment.
5.13 6.7	6.8 6.9	Life Buoy		
5.14 6.10	6.11 6.12	Re-boarding Device		
Boat Safety Equipment				
5.15 6.13	6.14 6.15	Manual Propelling Device	Recommendations from stakeholders.	
5.16 6.16	6.17 6.18	Anchor		
5.17 6.19	6.20 6.21	Bailers/Manual Water Pumps	More emphasis was required on the importance of safety equipment.	
5.18 6.25	6.26 6.27	Fire Extinguisher		

Additions or Enhancements to the Syllabus (New)			
The Syllabus		Knowledge Requirement	Justification
Distress Equipment /Visuals signals			
5.21 6.46	6.47 6.48	Watertight Flashlight	Recommendations from stakeholders.
5.22 6.37	6.38 6.39	Flares	More emphasis was required on the importance of safety equipment.
Navigational Equipment			
3.21 5.23 6.40	6.41 6.42 7.5	Sound Signalling Devices Sound Signalling Appliance	Recommendations from stakeholders. More emphasis was required on the importance of safety equipment.
3.23 3.24 5.24 6.43	6.44 6.45 7.27-7.40	Navigational Lights	
5.25 6.49	6.50 6.51	Radar Reflector	
Sharing the Waterways			
7.15		Rule 9 – Narrow Channels	Recommendations from stakeholders
7.32		Light – Towing Operations	Transportation Safety Board recommendation
7.33		Blue Flashing Light	General awareness
Small Vessel Regulations			
3.16		Careless Operation	Was not in the SVRs when the standard was originally developed.
Identifying and Taking Appropriate Measures for Medical Emergencies			
10.8 10.11	10.12 10.13	Cold Shock	Contributing factor in a large number of fatalities involving small open boats.
Prevention of / Identifying and Taking Appropriate Measures for Medical Emergencies			
9.14 10.17	10.18 10.19	Carbon Monoxide Poisoning	New concern in boating related fatalities.

APPENDIX B – KNOWLEDGE REQUIREMENT PRESENTATION SUMMARY

(Please Remove Appendix Title from Final Printed Version)

<Name of Course Provider Organization>

<Name of Course Manual>

Knowledge Requirement Presentation Summary***Instructions:***

- 1. Please complete the title page by replacing the blue text with the appropriate information*
- 2. Please locate each knowledge requirement in your course manual and report the **page and paragraph number(s)** in the table provided below.*
- 3. Please submit this completed document with your new or updated course manual.*

(Please delete instructions from final printed version)

<Name of Course Provider Authorized Representative>

<Title>

<COMPLETE BUSINESS INFORMATION>

<Representative Contact Information>

<Date>

Domain Item No.	Knowledge Requirement	Page Number(s)	Paragraph Number(s)
Domain 1: Most Common Causes of On-water Incidents or Fatalities			
1.1	Not wearing Personal Flotation Device (PFD)		
1.2	Person overboard		
1.3	Capsizing and Collision		
1.4	Alcohol and drug-related boat operation		
Domain 2: Important Boating Terminology			
2.1	Bow		
2.2	Draft		
2.3	Hull		
2.4	Pleasure Craft		
2.5	Operate		
2.6	Personal Flotation Device (PFD)		
2.7	Freeboard		
2.8	Give-way vessel		
2.9	Lifejacket		
2.10	Port		
2.11	Power Driven Vessel		
2.12	Restricted Visibility		
2.13	Sailing Vessel		
2.14	Strong Wind Warning		
2.15	Standard Lifejacket		
2.16	Stand-on Vessel		
2.17	Starboard		
2.18	Stern		
2.19	Vessel		
2.20	Wake		
2.21	Waterline (Design)		

Domain Item No.	Knowledge Requirement	Page Number(s)	Paragraph Number(s)
Domain 3: Laws and Regulations that Apply to Pleasure Craft			
3.1	Requirement to carry proof of competency		
3.2	Age / Horsepower Restrictions Youth under 12 restrictions Youth between 12-16 restrictions Youth 16 + restrictions		
3.3	Speed limits, posted and un-posted (such as shoreline speed zones)		
3.4	Designated waters where boats are prohibited or where special conditions apply		
3.5	Requirement for mufflers		
3.6	Types of vessels to be licensed or registered		
3.7	License (or copy) to be carried on board when in operation		
3.8	Updating ownership information – selling/transfer of ownership		
3.9	Proper display of license letters and numbers		
3.10	Hull Identification Number requirement and placement		
3.11	Capacity plate or label (recommended maximum safe limits of load, number of persons and engine power permanently attached to vessel)		
3.12	Designated enforcement officials who can inspect the pleasure craft		
3.13	Minimum required equipment as determined by length of vessel		
3.14	Maintenance of safety equipment so that it is in good working order		
3.15	Distress equipment /Visual Signals		
3.16	Prohibition Against Careless Operation and Requirement for due care and attention and reasonable consideration for other people		
3.17	To persons found at sea and in danger of being lost		
3.18	When operator is involved in a collision		
3.19	Safe speed		
3.20	Maintaining a look-out		
3.21	Use of sound signals		

Domain Item No.	Knowledge Requirement	Page Number(s)	Paragraph Number(s)
Domain 3: Laws and Regulations that Apply to Pleasure Craft (cont'd)			
3.22	Rules of the road		
3.23	Recognition of navigation lights		
3.24	Display of navigation lights		
3.25	Location and character of charted shipping routes; lights, buoys and marks; and navigational hazards		
3.26	Prevailing navigational conditions, taking into account such factors as tides, currents, ice and weather patterns		
3.27	Requirement to equip vessel with magnetic compass or compass bearing device (applies to certain pleasure craft)		
3.28	Prohibition of dumping of oil, oil-wastes, garbage and hazardous chemicals (including toxic cleaning products)		
3.29	Discharge of sewage (black water) as an offence in certain areas		
3.30	Responsibility to clean up and report incidents		
Domain 4: Criminal Offences			
4.1	Operating vessel in dangerous manner		
4.2	Consumption of alcohol/drugs while operating a vessel		
4.3	Operating vessel while impaired (alcohol/drugs) or in excess of 80mg.		
4.4	Towing water-skiers without a watch or after dark (one hour after sunset to sunrise)		
4.5	Failure to stop at the scene of an collision		
4.6	Failure to comply with demand (demand to stop)		
4.7	Sending false distress signals		
4.8	Operating an unseaworthy vessel		
4.9	Tying up to a buoy		
4.10	Unseaworthy vessel		
4.11	Operating vessel while disqualified/prohibited		

Domain Item No.	Knowledge Requirement	Page Number(s)	Paragraph Number(s)
Domain 5: Planning and Preparation for Boating Trips			
5.1	Mechanical		
5.2	Test flotation devices as per manufacturers' instructions		
5.3	Confirm sizing of PFDs		
5.4	Confirm adequate number of PFDs for passengers on board		
5.5	VHF/ROC certificate		
5.6	Pleasure Craft Courtesy Check Program		
5.7	Ensuring the vessel is in good working order, and serviced as required before each trip		
5.8	Ensuring the vessel is properly equipped, with readily accessible required safety equipment, before each trip		
5.9	Canadian approved PFDs with labels (correct size and # for all passengers)		
5.10	Inflatable PFDs, including pouch types (within guidelines of permissible use)		
5.11	Approved standard lifejackets		
5.12	Buoyant heaving lines		
5.13	Currently approved Lifebuoys		
5.14	Re-boarding device, where required (cannot be part of propulsion unit)		
5.15	Manual propelling device		
5.16	Anchor (line length must meet minimum requirements)		
5.17	Bailers/manual water pumps		
5.18	Fire extinguishers		
5.19	Axe		
5.20	Buckets		
5.21	Watertight flashlight		
5.22	Flares/ Pyrotechnic Distress Signals		
5.23	Sound signaling device or a sound signaling appliance		

Domain Item No.	Knowledge Requirement	Page Number(s)	Paragraph Number(s)
Domain 5: Planning and Preparation for Boating Trips			
5.24	Navigation lights as per standards in <i>Collision Regulations</i>		
5.25	Radar reflector		
5.26	Magnetic Compass		
5.27	Marine charts, topographical maps, GPS (if applicable)		
5.28	Adequate oil and fuel supply for the planned trip (Fuel rule of thirds – 1/3 reserve, 1/3 trip out, 1/3 trip back)		
5.29	Identifying how/who to call for help or assistance in the event of an emergency (e.g., cell, VHF, whistle, distress signals)		
5.30	Preparing and filing of (or notifying someone responsible) the sail plan (i.e., trip plan, float plan) for each boating trip		
5.31	Closing (deactivating) sail plan at trip completion		
5.32	Obtaining the latest update of Homeland Security Requirements if traveling in U.S. waters		
5.33	Checking marine charts for local hazards that may impede the operation of a boat		
5.34	Checking navigational references for water levels, times of low, slack and high tides and the direction of water flow		
5.35	Checking navigational references to identify places to take shelter in event of foul weather		
5.36	Checking weather forecasts for dangerous conditions before heading out, using appropriate sources		
5.37	Determining acceptable loading on the basis of identifying a boat's recommended maximum safe load capacity (total weight and number of persons) – pleasure craft less than 6 meters		
5.38	Conducting a pre-departure briefing with passengers to provide safety information and emergency procedures		
5.39	Recognizing that wearing of a PFD at all times while boating is the highest safety priority in preventing boating deaths		

Domain Item No.	Knowledge Requirement	Page Number(s)	Paragraph Number(s)
Domain 6: Mandatory Safety Equipment			
6.1 (a) 6.2 (b) 6.3 (c)	Flotation devices (importance of always wearing lifejacket, including types, advantages and disadvantages, how to adjust, when to replace, treatment of)		
6.4 (a) 6.5 (b) 6.6 (c)	Buoyant heaving lines		
6.7 (a) 6.8 (b) 6.9 (c)	Lifebuoys		
6.10 (a) 6.11 (b) 6.12 (c)	Re-boarding devices (cannot be part of propulsion unit)		
6.13 (a) 6.14 (b) 6.15 (c)	Manual propelling device		
6.16 (a) 6.17 (b) 6.18 (c)	Anchor		
6.19 (a) 6.20 (b) 6.21 (c)	Bailers/manual water pumps		
6.22 (a) 6.23 (b) 6.24 (c)	Bilge pumping arrangements		
6.25 (a) 6.26 (b) 6.27 (c)	Fire extinguishers (appropriate number, appropriate type, approved)		
6.28 (a) 6.29 (b) 6.30 (c)	Axe		
6.31 (a) 6.32 (b) 6.33 (c)	Buckets		
6.34 (a) 6.35 (b) 6.36 (c)	Marine radio communications and GPS		
6.37 (a) 6.38 (b) 6.39 (c)	Flares		

Domain Item No.	Knowledge Requirement	Page Number(s)	Paragraph Number(s)
Domain 6: Mandatory Safety Equipment (cont'd)			
6.40 (a) 6.41 (b) 6.42 (c)	Sound-signaling device or sound-signaling appliance		
6.43 (a) 6.44 (b) 6.45 (c)	Navigation lights		
6.46 (a) 6.47 (b) 6.48(c)	Watertight flashlight (qualifies as navigation lights on non-powered vessels less than 7m)		
6.49 (a) 6.50 (b) 6.51 (c)	Radar reflector		
6.52 (a) 6.53 (b) 6.54 (c)	Magnetic Compass		
6.55 (a) 6.56 (b) 6.57 (c)	Nautical charts and topographical maps		
Domain 7: Sharing the Waterways			
7.1	Operating at a safe speed, taking into consideration visibility; wind, water conditions, and currents; boat maneuverability; traffic density, types of vessels in area, and their proximity; proximity of navigational hazards		
7.2	Complying with any boating restrictions in effect		
7.3	Requirement for Safe Operation		
7.4	Maintaining a proper lookout to avoid collisions		
7.5	Using approved sound signaling devices		
7.6	Applying appropriate rules of the road as they apply to the interaction of various vessel types including power, sail and paddle		
7.7	Overtaking vessels		
7.8	Altering course		
7.9	Crossing other vessels		
7.10	Give-way vessels		
7.11	Stand-on vessels		

Domain Item No.	Knowledge Requirement	Page Number(s)	Paragraph Number(s)
Domain 7: Sharing the Waterways (cont'd)			
7.12	Vessels not under command or restricted in their ability to maneuver		
7.13	Vessels engaged in fishing, sailboats, paddle craft, canoes, and kayaks		
7.14	Steering clear of shipping lanes		
7.15	Navigating in a narrow channel		
7.16	Being prepared to yield to large vessels		
7.17	Navigating in groups when possible (small craft)		
7.18	Keeping clear of docked ferries, ferries in transit, or vessel in tow		
7.19	Never passing between a tug and its tow		
7.20	Reduction of engine noise		
7.21	Keeping distance from divers below the surface		
7.22	Avoiding motor/propeller strikes		
7.23	Staying well clear of swimmers, paddle craft, wildlife, properties, etc.		
7.24	Controlling the wake		
7.25	Respecting the environment		
7.26	Avoiding polluting – black water discharge, fuel and oil spills, use of toxic cleaners, clean up bottom coat sanding and scraping, cross-contamination of invasive species		
7.27	Sailboats		
7.28	Vessel engaged in fishing		
7.29	Rowboat		
7.30	Canoe		
7.31	Kayak		
7.32	Anchored vessels		
7.33	Towboats		
7.34	Government or police vessels		
7.35	Vessels being pushed		

Domain Item No.	Knowledge Requirement	Page Number(s)	Paragraph Number(s)
Domain 7: Sharing the Waterways (cont'd)			
7.36	Port side (red)		
7.37	Starboard side (green)		
7.38	Masthead light (white)		
7.39	Stern light (white)		
7.40	All-Round (white)		
Domain 8: Canadian Aids to Navigation System (CANS)			
8.1	Upstream direction (red/right/returning)		
8.2	Port hand		
8.3	Bifurcation		
8.4	Starboard hand		
8.5	Cautionary		
8.6	Anchorage		
8.7	Mooring		
8.8	Information		
8.9	Hazard		
8.10	Control		
8.11	Keep out		
8.12	Diving		
8.13	Swimming		
8.14	Day beacons		
8.15	Junction		
8.16	Cardinal (general group identification and purpose)		
8.17	Isolated danger buoy		
Domain 9: Prevention of Emergency Situations			
9.1	Operator boating experience and skill set for the planned trip		
9.2	Recognizing the symptoms and dangers of operator fatigue		
9.3	Influence of drugs and alcohol on boat operation		

Domain Item No.	Knowledge Requirement	Page Number(s)	Paragraph Number(s)
Domain 9: Prevention of Emergency Situations (cont'd)			
9.4	Boat maneuverability		
9.5	Boat capacity		
9.6	Steering clear of rapids, currents		
9.7	Identifying weather and water condition emergencies (e.g., small craft warnings) and measures to be taken in certain conditions, including: <ul style="list-style-type: none"> • Restricted visibility • Squall (make note of compass heading) • Thunderstorms • Sudden wind • Rapid build-up of high wave conditions • Debris from the shoreline after heavy rains, streams, rivers and creeks rise 		
9.8	Taking shelter		
9.9	Ensuring passengers are wearing PFDs		
9.10	Loading		
9.11	Maintaining weight distribution of passengers and load		
9.12	Fuelling		
9.13	Engine start-up		
9.14	Avoiding and detecting carbon monoxide		
9.15	Using fuel-burning appliances		
9.16	Ignition protection (as required)		
Domain 10: Responding to Emergencies			
10.1	Grounding		
10.2	Collision		
10.3	Hull leaks or flooding		
10.4	Fire		
10.5	Mechanical breakdown		
10.6	Capsizing, swamping or sinking		
10.7	Person overboard		
10.8	Cold immersion survival		

Domain Item No.	Knowledge Requirement	Page Number(s)	Paragraph Number(s)
Domain 10: Responding to Emergencies (cont'd)			
10.9	Recognizing distress signals as per <i>Collision Regulations</i>		
10.10	Identifying measures to be taken to assist a vessel in distress		
10.11	Cold-water shock		
10.12	Recognizing symptoms		
10.13	Treating		
10.14	Hypothermia		
10.15	Recognizing symptoms		
10.16	Treating		
10.17	Carbon-monoxide poisoning		
10.18	Recognizing symptoms		
10.19	Treating		
10.20	Heat stroke, exhaustion, seasickness symptoms		
10.21	Recognizing symptoms		
10.22	Treating		

**APPENDIX C – FORMAL DECLARATION OF BOATING SAFETY COURSE
MANUAL CONTENT**

(Please Remove Appendix Title from Final Printed Version)

Transport Canada

National Pleasure Craft Operator Competency Program

Formal Declaration of Boating Safety Course Manual Content

This declaration is made on this [day] of [month], [year]

By

<Name of Course Provider Organization>

As partial completion of

An application for Transport Canada accreditation

To deliver the National Pleasure Craft Operator Competency Program

Instructions:

- 1. Please complete the form below by replacing the blue text with the appropriate information*
- 2. Please submit this completed and signed document with your new or updated course manual.*

(Please delete instructions from final printed version)

1.0 Purpose

The purpose of this declaration is to affirm that the above named Course Provider Organization has developed a boating safety course manual that reflects the entirety of the *Boating Safety Course and Test Syllabus* – TP 14932E, its purpose, rationale and objectives.

2.0 Authority

Pursuant to section 207(1)(d) of the *Canada Shipping Act, 2001*, whereas the Governor in Council may, on the recommendation of the Minister, make regulations respecting pleasure craft licensing and the safety of pleasure craft or classes of pleasure craft and of persons on board, including regulations respecting training courses and examinations for pleasure craft operators, including the designation and accreditation of persons or organizations that provide them.

3.0 Course Provider Authorized Representative

The designated representative for **<Name of Course Provider Organization>** is:

<Name of Course Provider Authorized Representative>

<Title>

<Complete Business Information>

<Representative Contact Information>

4.0 Declarations

1. I, **<Name of Course Provider Authorized Representative>**, named above as the authorized Course Provider representative, hereby declare that the boating safety course manual developed by **<Name of Course Provider Organization>** and submitted for Transport Canada review has been derived from and reflects the entire content of the *Boating Safety Course and Test Syllabus* – TP 14932E, its purpose, rationale and objectives.
2. I further declare that the attached *Knowledge Requirement Presentation Summary* document that summarizes the content of **<Name of Course Provider Organization>**, **<Name of Course Manual>** is complete and accurate to the best of my knowledge.
3. In submitting the attached boating safety course manual and supporting documents for Transport Canada review and approval, I agree to make whatever corrections, additions, modifications or deletions Transport Canada deems necessary and presents as recommendations pursuant to accreditation approval.
4. I agree that the attached boating safety course manual and supporting documents are subject to Transport Canada review at any time throughout the duration of the accreditation lifecycle. Consequently, I agree to make whatever corrections, additions, modifications or deletions Transport Canada deems necessary and presents as recommendations pursuant to maintaining accreditation status.

5.0 Duration

This declaration shall become binding on [signing date] and will terminate at such time when <Name of Course Provider Organization> submits a new or revised boating safety course manual for Transport Canada review and approval.

Resubmission of a new or revised course manual must then be accompanied by a replacement formal declaration of its content.

6.0 Entire Understanding

I, the undersigned, understand and acknowledge that a boating safety course manual that reflects the entirety of the *Boating Safety Course and Test Syllabus* – TP 14932E, its purpose, rationale and objectives is a criterion of Transport Canada accreditation to deliver the National Pleasure Craft Operator Competency Program.

This declaration represents the entire understanding between <Name of Course Provider Organization> and Transport Canada regarding the design and development of a boating safety course manual and supersedes all prior communications, negotiations or declarations, whether written or oral, concerning this understanding.

Signed by the Authorized Course Provider Representative

<hr/>	<hr/>
<Course Provider Representative>	Date
<Title>	