File Number/Numéro de référence: G 570-7 (CTS) Course Code Number/Numéro de code du cours:CL5501

> Headquarters/Direction générale February 1975 Amended: October 1985 Amended: April 1988 Amended: April 2004

APPROVED APPROUVÉ:

53.31

(Supt. R. Graham Muir, surint.) Director, Learning and Development Directeur, Apprentissage et perfectionnement

#### COURSE TRAINING STANDARD / NORME DE FORMATION

#### INLAND WATER TRANSPORT COURSE - BASIC

#### TRANSPORT AQUATIQUE FLUVIAL de BASE

Note: The French version is available upon request. Nota: La version française est disponible sur demande

Note: This document is the property of the Royal Canadian Mounted Police. It is not to be used or disseminated without the written consent of the Director, Learning and Development. Nota: Ce document appartient à la Gendarmerie royale du Canada. Pour l'utilisation ou la distribution, veuillez obtenir l'autorisation écrite du Directeur, Apprentissage et perfectionnement.

File Number/Numéro de référence: G 570-7 (CTS) Course Code Number/Numéro de code du cours:CL5501

> Headquarters/Direction générale February 1975 Amended: October 1985 Amended: April 1988 Amended: April 2004

#### **APPROVED/APPROUVÉ:**

(Supt. R. Graham Muir, surint.) Director, Learning and Development Directeur, Apprentissage et perfectionnement

#### **COURSE TRAINING STANDARD / NORME DE FORMATION**

#### INLAND WATER TRANSPORT COURSE - BASIC

#### TRANSPORT AQUATIQUE FLUVIAL de BASE

**Note:** The French version is available upon request. **Nota:** La version française est disponible sur demande

**Note:** This document is the property of the Royal Canadian Mounted Police. It is not to be used or disseminated without the written consent of the Director, Learning and Development. **Nota:** Ce document appartient à la Gendarmerie royale du Canada. Pour l'utilisation ou la distribution, veuillez obtenir l'autorisation écrite du Directeur, Apprentissage et perfectionnement.

# PART 1

# **Table of Contents**

PART I	Page 2 of 18
Guidelines for using a Course Training Standard (CTS)	page 4 of 18
Part I:	page 4 of 18
Part II:	page 4 of 18
Purpose of course	page 5 of 18
Candidate selection criteria	page 8 of 18
Instructor qualifications	page 8 of 18
Course description	page 9 of 18
Delivery methods	page 9 of 18
Testing & Assessment	page 10 of 18
References	page 11 of 18
Search and seizure	page 12 of 18
Use of force	page 12 of 18
Course evaluation	page 15 of 18
Formal feedback:	page 15 of 18
Informal feedback:	page 15 of 18
Course syllabus and timetable	<u>page 16 of 18</u>
Part II	page 17 of 18
Evaluation Plan	
Indicators of effectiveness for the basic I.W.T. course:	
Method and sample	
Analysis and report	
	<u>1 age 10 01 10</u>

#### GUIDELINES FOR USING A COURSE TRAINING STANDARD (CTS)

- **PART I:** Used by Human Resources Sector personnel, Human Resources Officers, regional/divisional training personnel, Career Development and Resourcing Advisors, Centralized Training personnel, course coordinators, managers, supervisors, resource people and course candidates to:
  - get an overview of the course
  - select course candidates
  - identify resource persons
  - discuss session objectives
  - prepare lesson plans
  - develop tests
  - critique sessions and course
  - evaluate the course
  - provide a standard for training
  - follow-up on employee training
  - submit course amendments
- **PART II:** Used by Human Resources Sector personnel, regional/divisional training personnel, Career Development and Resourcing Advisors, centralized training personnel, course coordinators and resource people to:
  - review special instructions
  - review lesson plans
  - access scenarios and role plays
  - access performance assessment tools / assessment procedures
  - access resource material
  - review Challenge for Credit
  - access tools for evaluation

#### PURPOSE OF COURSE

This course was designed to provide our members with the skills and knowledge required to operate water transport vessels and enforce laws of the coastal and inland waters of Canada.

This course encompasses three teaching programs:

- Transport Canada's Marine Emergency Duties (MED-A3) certification;
- Transport Canada's Small Vessel Operator Proficiency (SVOP) certification; and
- RCMP Force Policy and enforcement responsibilities.

Water transport vessels are used in the enforcement of the Canada Shipping Act, Small Vessel Regulations, provincial statutes (e.g. Liquor Act), and other federal statutes (e.g. Criminal Code). These areas can be included in the training at the divisional level.

Successful candidates will be able to:

- 1. Operate RCMP water transport vessels under varying conditions;
- 2. Transport, launch and retrieve water transport vessels;
- 3. Use life-saving equipment;
- 4. Interpret and use nautical terminology;
- 5. Use appropriate terminology to describe vessel components, construction and propulsion systems;
- 6. Demonstrate the basic knots used in boating;
- 7. Maintain outboard motors in operating condition;
- 8. Explain the legal requirements covering the operation of RCMP vessels in compliance with Small Vessel Regulations, Boating Restriction Regulations, and RCMP policy O.M. IV.6.E.3;
- 9. Prepare and use a departure checklist;
- 10. Demonstrate ability to plot a position on a nautical chart using a magnetic compass;
- 11. Chart a course, considering vessel operating condition, operating regulations, weather conditions, and shoal/reef information, determining if conditions allow for safe travel;

- 12. Properly load and operate a vessel in various weather conditions, ensuring stability on the water;
- 13. Explain the principles and procedures for anchoring;
- 14. Demonstrate skill in:
  - docking water transport vessels,
  - anchoring water transport vessels,
  - beaching water transport vessels
  - towing water transport vessels
  - refuelling
  - searching confined spaces
  - identifying potential onboard hazards
  - handling onboard hazards
- 15. Operate a water transport vessel at night observing the Boating Restriction Regulations, Small Vessel Regulations, and Collision Regulations;
- 16. Demonstrate appropriate procedures for extinguishing various classes of fires;
- 17. Recognize international distress signals and operate signalling devices;
- 18. Respond to search and rescue incidents;
- 19. Demonstrate knowledge of cold water survival techniques;
- 20. Use a VHF radio while operating an RCMP water transport vessel;
- 21. Promote public education programs on water safety;
- 22. Investigate marine related complaints and offences.

Elective or optional topics will be indicated in the approved lesson plans. Due to diversities in geography, climate and work requirements, divisions will be able to incorporate the topics that are applicable to their division. The division will be responsible for ensuring their program meets the requirements of this CTS.

#### CANDIDATE SELECTION CRITERIA

Candidates for this course are RCMP members required to operate inland water vessels in the execution of their duties. Candidates must demonstrate completion of the following prerequisites in order to participate in the course;

- Standard Level First Aid Training
- Cardio-pulmonary Resuscitation Training
- Completion of pre-course material such as:
  - Safe Boating Guide available at;

http://www.ccg-gcc.gc.ca/obs-bsn/sbg-gsn/main\_e.htm

- On Board book or CD available from the Canadian Red Cross at: 1430 Blair Place, 3<sup>rd</sup> Floor, Ottawa, ON, K1J-1G2
- Video available through division training sections to include:
  - IWT Enforcement Duties
  - IWT Trailering and Storage
  - Small Boat Engine Maintenance
  - Ropes and Knots
  - Survival
  - Buoys
  - Charts
  - Basic Navigation
  - Rules of the Road

- Completion of quiz based on resource material sent out prior to the course.

#### **INSTRUCTOR QUALIFICATIONS**

All course instructors must have MED - A2 certification and marine-related experience and Marine First Aid certification and a valid marine medical and Instructor qualification by either having successfully completed the Instructional Techniques Course or the Effective Presentation Course or documented experience as an instructor to be certified by divisional Training Section.

In addition, the main course instructor must hold a deck certificate of competency not lower than Limited Master.

If the course is under the supervision of more than one instructor, the assistant instructor(s) shall have successfully completed the IWT basic course and have two years' experience as a boat operator.

To ensure qualified instruction is provided, course co-ordinators may use experienced Coast Guard personnel, Marine Services personnel and Outboard Motor Mechanics as resources where possible.

#### **COURSE DESCRIPTION**

This is a five-day course developed by the RCMP. It is designed to fulfill RCMP policing needs and meet Transport Canada requirements dealing with small vessel operation.

It enables RCMP members to safely operate inland water transport vessels of not more than 15 gross registered tons (GRT), not more than 12 m. in length and be not more than 2 miles offshore on coastal waters or not more than 20 miles offshore on inland waters of Canada.

The ratio of course candidates to approved instructors is 3:1 for practical demonstrations and open water or pool exercises. The ratio of course candidates to approved instructors will not exceed 12:1 for lectures and audio-visual instruction.

Minimum number of candidates: 6 Maximum number of candidates: 14

Divisions may adjust the course time frame according to their needs. Night classes may be required to duplicate operational conditions. The operation of training patrols on a weekend when water pleasure craft traffic is heaviest would provide an excellent opportunity to rate student performance.

#### **DELIVERY METHODS**

This course follows adult learning principles by making the content relevant to the candidates' immediate needs; emphasizing practice rather than theory; requiring the candidates to participate, drawing on their knowledge and experience, and by using varied learning strategies.

A variety of learning methods are used to facilitate the candidates' learning, maintain their motivation and ensure better retention and application of skills and knowledge learned. The methods include: presentations, questions to candidates, demonstrations, practical exercises, and coaching.

Materials for the facilitators contain lesson plans. Lectures are only used to add new information. Candidates are required to take an active part in exercises and demonstrations so that they can make mistakes and take corrective actions. Remedial help will be available to candidates during the course.

Some flexibility in the training schedule may be necessary to accommodate facility availability and weather conditions. However, the facilitators must always keep in mind the course objectives and ensure they are met.

#### **TESTING & ASSESSMENT**

The material in this course lends itself to three basic testing procedures:

- written tests
- oral questioning, and
- skill demonstration.

The "core" material requires the candidates to display their capabilities in realistic scenarios while under close scrutiny. Written tests are used to confirm knowledge of principles and theory prior to undertaking the practical exercises. Oral questioning is used to reinforce mastery of theoretical concepts and principles.

To successfully complete the course, candidates must attain a Pass by achieving:

- 70% on the Marine Emergency Duties (MED) A3 written quiz, approved by Transport Canada,
- 70% on the Small Vessel Operator Proficiency (SVOP) exam, available through Transport Canada,
- suitable demonstration of practical ability at small vessel handling as indicated on the Practical Final Assessment Form found in Part II of this CTS.

Candidates will be successful if they meet the RCMP's standards of Satisfactory [(S) rating], in all objectives in the Practical Final Assessment Form by the conclusion of the course. What follows is a definition of the 2 rating levels:

- Satisfactory (S) The candidate's performance meets or exceeds the RCMP standards.
- Unsatisfactory

The candidate's performance is not adequate to meet the RCMP's standards of performance.

(U/S)

Candidates who fail to meet one or more course objectives will receive as much remedial training as possible within the course time frame. If, after remedial training, they have not attained a Pass in these areas, they will not have successfully completed the course and will not be issued a certificate nor receive credit on HRMIS.

The Division Marine Coordinator or Lead Instructor will issue the EXN 24 certificate for candidates who successfully complete the MED - A3 training. The names of candidates who successfully complete the SVOP exam will be forwarded to TC which will issue the SVOP cards.

# N. B. All tests and answers used in the course <u>must be protected</u>. They must be filed separately and be <u>accessible only to those with authority</u>.

Testing procedures are described further in PART II of the CTS. Lesson plans, checklists and other such tools are also placed in PART II of the CTS.

#### REFERENCES

**Community Policing** 

"CAPRA" Problem Solving Model. Available on-line at: <u>http://infoweb.rcmp-grc.gc.ca/english/national\_info/training/ecdp/capjpg.htm</u> Text available on-line at: <u>http://infoweb.rcmp-grc.gc.ca/english/national\_info/training/ecdp/docs/ecdd0003.htm</u>

Incident Management / Intervention Model

"Incident Management / Intervention Model." CD-ROM available through the Learning and Development Branch, Ottawa. Image available on-line at: <u>http://infoweb.rcmp-grc.gc.ca/english/national\_info/training/ecdp/docs/ecdd0020.htm</u> PowerPoint presentation available through the Learning and Development Branch, Ottawa.

Text available on-line at: <u>http://infoweb.rcmp-grc.gc.ca/english/national\_info/training/ecdp/docs/ecdd0018.htm</u>

"Incident Management / Intervention Model Scenarios." Available on-line at: <u>http://infoweb.rcmp-grc.gc.ca/english/national\_info/training/ecdp/fr-welc.htm</u>

- RCMP Administration Manual, Chap. I.3 available on-line at: http://infoweb.rcmp-grc.gc.ca/english/rcmpmanuals/main/manuals.htm
- RCMP Operational Manual, Chap.I. 3.O and Chap. II. 9. I and Chap. IV.6 .E.3 available on-line at: http://infoweb.rcmp-grc.gc.ca/english/rcmpmanuals/main/manuals.htm
- Division Policy
- Criminal Code, available on-line at; <u>http://laws.justice.gc.ca/en/C-46/index.html</u>

#### Powers of Arrest

"Police Powers: Arrest Without a Warrant (By Anyone)." Available on-line at: <u>http://infoweb.rcmp-grc.gc.ca/english/national\_info/training/ecdp/iim/ecdi0009.htm</u>

"Police Powers: Release by Peace Officer, Officer in Charge, or The Courts." Available on-line at: http://infoweb.rcmp-grc.gc.ca/english/national\_info/training/ecdp/iim/ecdi1038.htm

"Powers of Arrest and Limitations (Without a Warrant) - By a Peace Officer." Available on-line at: <u>http://infoweb.rcmp-grc.gc.ca/english/national\_info/training/ecdp/iim/ecdi1002.htm</u>

#### Search and Seizure

"Police Powers: Search Warrants (Form 5)." Available on-line at: <u>http://infoweb.rcmp-grc.gc.ca/english/national\_info/training/ecdp/iim/ecdi1019.htm</u>

"Police Powers: Search Without Warrant." Available on-line at: <u>http://infoweb.rcmp-grc.gc.ca/english/national\_info/training/ecdp/iim/edci1025.htm</u>

#### Use of Force

"Charter of Rights and Freedoms - Charter Rights II: Legal Rights." Available on-line at: <u>http://infoweb.rcmp-grc.gc.ca/english/national\_info/training/ecdp/iim/ecdi1013.htm</u>

#### Obstruction

Criminal Code of Canada available on-line at; http://laws.justice.gc.ca/en/C-46/index.html

Trans	port Canada Acts & Regulations available on-line at
	http://www.tc.gc.ca/acts-regulations/GENERAL/C/csa/menu.htm/ for:
	Canada Shipping Act
	Small Vessel Regulations, Boating Restriction Regulations,
	Small Fishing Vessel Inspection Regulations
-	Canada Labour Code, Marine Occupational Safety & Health Regulations (MOSH) available on-line at;
	http://www.tc.gc.ca.acts-regulations/general/c/clc/regulations/001/clc/002/clc2002.htm/
-	Search and Rescue Crew Manual and workbooks (Canadian Coast Guard Auxiliary) available on-line at;
	http://www.ccg-gcc.gc.ca/sar/nsm-msn/main_e.htm/
-	Small Commercial Vessel Safety Guide (Transport Canada) available on-line at:
	www.tc.gc.ca/marinesafety/
	or Transport Canada
	Marine Safety
	Place de Ville, 330 Sparks St.,
	Ottawa, ON, K1A 0N8 cite: English:Cat.No. T31-125/2003E
	ISBN 0-662-33848-0
_	Basic Power Boating Skills by Donna S.M. Neff
	available through the Canadian Yachting Association - cite: ISBN 0-920232-98-1
-	Small Craft Training (Canadian Coast Guard - Pacific Region)
-	Justice Canada website at; http://canada.justice.gc.ca/en/

 Small Craft Piloting & Coastal Navigation by A.E.Saunders available through: RTP Sales 1585 Bloor St. W., Toronto, ON, M6P 1A6

- The Knot Handbook by Maria Costantino available through: Strathearn Books Ltd., 36 Northline Rd., Toronto, ON, M4B 3E2
- Manufacturer's owners manual applicable to boats in use
- Outboard motor service manual applicable to motor in use
- Tide tables available through Transport Canada at : http://www.marineservices.gc.ca/en/Con01.asp?Div=com&Info=Nav
- An Owners Guide to Private Aids to Navigation Canadian Coast Guard 2001 Edition available at: Communications Directorate Fisheries and Oceans Canada Ottawa, ON, K1A 0E6 Cite; DFO/6051 Cat. # Fs23-393/2000 ISBN 0-662-65316-5
- Small Fishing Vessel Safety Manual available at <u>http://www.tc.gc.ca/MarineSafety/TP/Tp10038/menu.htm</u>
- - Canadian Coast Guard: Search and Rescue SAR Seamanship Reference Manual available at; <u>http://www.ccg-gcc.gc.ca/sar/nsm-msn/main\_e.htm</u>

### First Aid

Standard First Aid from an approved organization as per the Canada Occupational Safety and Health Regulations, Canada Labour Code, Part I, Section 1.2, available on-line at: http://info.load-otea.hrdc-drhc.gc.ca/~legweb/clc2/coshregs/r20101en.htm/

#### **COURSE EVALUATION**

#### **Formal Feedback:**

Courses are formally evaluated in three ways:

- a) Pilot Evaluation the pilot of a new or substantially revised course is evaluated to detect and resolve course-related problems at the outset;
- b) Formative Evaluation subsequent courses are monitored through the use of formative evaluation forms completed by course candidates during and/or at the end of a course as required; and
- c) Summative Evaluation the effect of training on job performance is assessed through the implementation of the Evaluation Plan.

#### **Informal Feedback:**

Informal feedback is invited from all employees to inform us of changes in administrative procedures and operational duties and responsibilities. When learning requirements change, the learning materials provided must be adjusted accordingly. Please forward comments and proposed amendments to:

The Commissioner Attention: Officer in Charge Learning and Development Branch Human Resource Directorate HQ Division 295 Coventry Road, Rm 254 Ottawa, ON, K1A-0R2

#### COURSE SYLLABUS AND TIMETABLE

The course timetables will vary depending on the availability of the facilities in each Division. However, the course syllabi will cover all of the content of the MED - A3 and SVOP courses as indicated below. It is expected that the RCMP IWT courses will exceed these minimum standards set by TC. Each Division will develop a cross reference guide that will identify where this content is dealt with in their IWT course and the specific resources used.

PART II

#### **EVALUATION PLAN**

In order to determine whether training/learning is achieving its objectives of improving or maintaining a standard of job performance, indicators of effectiveness are identified when a course is designed. These indicators are used to assess both course quality and the impact of training/learning on job performance.

#### Indicators of Effectiveness for the Inland Water Transport course:

Candidates who have met the course requirements will safely and effectively operate IWT's in all conditions on inland or coastal waters while carrying out their police duties as indicated on the "Skills Assessment - Inland Water Transport Course - Basic (attached).

#### Method and Sample

When the Evaluation Plan is implemented, a sample of successful candidates will be questioned on their confidence and competence in performing their required operational duties. In addition, a sample of candidates' managers will be questioned on the above indicators.

The sample chosen will be determined by the number of successful candidates at the time that the Evaluation Plan is implemented, however, there must be a minimum number of candidates sampled to make the results statistically significant.

The Evaluation Plan will be implemented by divisions after three years to assess the success of the course. Thereafter, the Evaluation Plan will be implemented when the Quality Assurance process indicates that there may be problems with the course. If concerns are raised, the Division may initiate a more detailed summative evaluation.

#### **Analysis and Report**

The Divisional Training Unit or the Regional Learning and Development Unit will analyse the data obtained from the summative evaluation instruments. If the Training Supervisor requests assistance, Learning and Development Branch may analyse the data obtained from the tools in Part II of this CTS or from other summative evaluation instruments. They will then write a report with recommendations and distribute it to all interested persons for discussion. Required changes will then be incorporated into the CTS. COURSE - COURS

Week no.- $N^{\circ}$  de la semaine 1

## **INLAND WATER TRANSPORT - BASIC**

Hours/heures	Monday/Lundi	Tuesday/Mardi	Wednesday/Mecredi Thursday/Jeudi		Friday/Vendredi
0800 - 0815	Introduction (F)	Lifesaving Appliances and Abandonment (MED A3)	Basic Navigation & Charts - Theory and Practical	Search & Rescue Introduction	Practical testing
0815 - 0845	Review Pre-course Exam Nautical Terms		Small Boat Handling &	Other Agencies Emergency Equipment	
0845 - 0915	Orientation and Course Safety	Survival (MED A3) Shore Survival	Operation (Theory) Voyage planning - Day trip short	Small Boat Handling (on water)	
0915 - 1000	Force Policy		run Short & Long Runs (Plan by	Beaching, Towing Retrieval of Articles	
10:00	Health Break	Health Break	Runs)	Person Overboard Anchoring	Health Break
1015 - 1045	Trailering theory Trailers	Signalling	Health Break		Practical testing
1045 - 1115	Winch Hitching Transport Launch & Retrieval	Rescue Vessel rescue Helicopter rescue	Day & Night Operation Departure Checklist	Overtaking and stopping vessels Boarding vessels	
	Trailering - Practical	Law Lecture Rules of the Road (Coll Regs) Protection of Marine Environment		Practical exercises	
Lunch - dîner					
1300	Outboard Motor Care & Mainten. Mechanical / Electrical tblshooting Buoyage Systems, Ropes & Lines	Enforcement Duties Criminal Code Canada Shipping Act, Regs	Handling & Operation (Practical) Docking Operating Conditions	Practical exercises	Written test
1400	Small Boat Handling & Operation Theory	Safety Afloat Safe Boating Week	(on water)		Cleaning of Boats Inventory Check and Maintenance
1500	Health Break	Health Break	Day Trip - Long run Fuel and Refuelling	Voyage Planning	Course assessment by candidates
1515 - 1530	Hazards and Emergencies (MED A3)	Marine Weather VHF Radio Review & Test	Fuel and Keruening		Certificates
1530 - 1600	Emergency Response				Continuates
1600 - 1730	Marine Firefighting	Magnetic Compass and Charts	Supper	Supper	End of Course
1730	Supper	Supper	Voyage Planning	Voyage Planning	
1800	Remedial Trailering	GPS Introduction	Night Trip - Short run (option)	Night Trip - Long Run	

				Course Number		Date	
					/CL5501		
'andidate's Surname		Initials	Rank	Regt Number	Unit/Dept		
		DAY ONE	PRACTICA	AL TESTING			
TRAILERING							
PRE-CHECK TRAILER       (before Bearing Buddies         Brake Fluid Level		Horn Emergency Brake Gas/Fluid Levels Tire Pressures Windshield Wipers <b>HOOK-UP PROCED</b> Lights and Brakes Safety Chains Ball Secured Properly Secure Jack Assessment of Back-up ar Hook-up		DURE     Sp       DURE     Ba       Image and     Image and       rr     Image and       r     Image and <td< td=""><td colspan="2">DRIVE OVER COURSE         Speed      </td></td<>		DRIVE OVER COURSE         Speed	
		IN C	OURSE TE	STING			
nove Tie Down     Lines & Fender       nicle Position     45 Degree App       es & Fenders     Wheel & Rever		Approach Reverse Eng REFUELLING ssel c Off s Off s on Dock ozzle & Fill v/Oil Mix 7 mins)	_ Sec _ Do _ Ho _ Bre _ Hig _ Hig _ Ru _ Ge _ Ma	ANCHORING Depth & Composition Secure Bitter End Down & Reverse Hold Break & Retrieval GENERAL OPERATION High Speed turn: Right Rules of the Road General Vessel Care Man Overboard Night Run		BEACHING Location Assessment Speed & Approach Engine Kill & Tilt Removal ENFORCEMENT Overtake, Intercepts Stopping Violator, Horn Siren, Hand Signals Approaching Tgt Vessel Violator Appraisal Wind & Sea Conditions Boarding Fenders Officer/violator Contact Knowledge of Eqpt Req.	
	QUALIFY_		NOT QU	ALIFY			
FINAL COMMENTS: (			Ins	tructor's Name			

Page 22 of 22