

STAFF REPORT—COMBINATION COURSE TRAINING

SUMMARY

The San Francisco Bar Pilots' (SFBP) Professional Development Committee met on July 6, 2020, and voted to pursue with the Board its recommendation to shorten the timeframe of the Pilot Continuing Education Program combination course training from 6 days to 5 days.

RELEVANT HARBORS AND NAVIGATION CODE STATUTES AND REGULATIONS

Harbors and Navigation Code

1171.5.

(c) The board shall adopt, by regulation, training standards and a training program for pilot trainees, and continuing education standards and a continuing education program for pilots. ... In the case of pilots, the board shall specify the type, nature, duration, and frequency of the continuing education required and the identity of the pilots who are required to undergo continuing education in the next 12-month period. Pursuant to Section 1182, the license of a pilot may be revoked or suspended if he or she fails to complete the continuing education required by this subdivision during the period specified. The board shall also require that an evaluation of the pilot's performance be prepared by the institution selected by the board to provide pilot continuing education, and the institution shall provide copies of the evaluation to the pilot and to the board.

Title 7, California Code of Regulations

§ 215. Pilot Training.

- (a) Every pilot must complete the training program established by this section. The Board may revoke or suspend the license of a pilot if he or she fails to successfully complete the training program during the period specified by the Board.
- (b) The training program for each pilot shall consist of two parts:
- (1) Attend a manned scale model shiphandling course at least five days in length once every five years which provides realistic experience with maneuvering characteristics of major commercial vessel types that routinely transit the waters under the Board's jurisdiction and under harbor and approach conditions that replicate those that are found in the San Francisco Bay Area; and
 - (2) Attend a combination course at least five days in length completed at least once every five years covering at least the following topics:
 - (A) Bridge resource management for pilots;
 - (B) Shiphandling on a computer driven ship's bridge simulator including emergency maneuvering and shiphandling in close quarters;
 - (C) Emergency medical response;
 - (D) Advanced electronic navigation systems;
 - (E) The hazards of fatigue and effective strategies to prevent fatigue while on duty;
 - (F) Radar navigation in low visibility/restricted waters; and
 - (G) Regulatory review.

DISCUSSION

BOPC-licensees are required to attend periodic training to maintain their state license. The periodic training includes attending a combination course training. The BOPC is in the process of renewing a contract with the California State University Maritime Academy (CMA) to provide the combination course training.

The four-year, \$412,750 contract with CMA calls for a 6-day course at a cost of \$38,750 for a six-person class, and \$4,000 per additional participant not to exceed four additional participants. Additionally, since the spring 2020 combination course training was cancelled due to the COVID-19 pandemic, the contract with CMA calls for three courses to be taught in fiscal year 2020-21, and two courses to be taught the remaining contract years. The six-day course outline is included in ATTACHMENT 1.

The SFBP's Professional Development Committee met on July 6, 2020, and voted to pursue with the Board its recommendation to shorten the timeframe of the Pilot Continuing Education Program combination course training from 6 days to 5 days.

OUTSTANDING ISSUES

1. Identifying a part of the CMA 6-day curriculum that can be deleted or shortened to reduce the number of training days from 6 to 5 while ensuring that all regulatory requirements are met.
2. If none the CMA course material can be deleted or shortened, then the Committee should consider reducing the CMA course to 5 days, and identify a method to obtain the training content eliminated from the CMA curriculum through other means and time.
3. Obtain BOPC Board approval of the Committee's combination course training recommendation.
4. If necessary, renegotiate the contract with CMA to edit the course materials and reduce the cost, and/or potentially enter into a contract with another training provider to provide training that was previously provided by CMA.

ATTACHMENT 1 CMA 6-Day Combination Course Outline

Time	Day 1: Modules	Day 2: Modules	Day 3: Modules	Day 4: Modules	Day 5: Modules	Day 6: Modules
0800-1130	Coffee Service & Continental Breakfast (Provided)					
0830-0930	Legal Aspects of Piloting and Navigation	MPX Simulation Exercises	Integrating ECDIS, PilotMate®, Rose Point™, Radar	Situational Awareness Simulation Exercises	Basic Life Support	Sleep and Fatigue Management
0930-1030		BRM: Risk Assessment & Error Detection	Precision Route Keeping PilotMate®		Automated External Defibrillator	
1030-1130		Risk Assessment & Error Detection Simulation Exercise	Simulation Exercises	Blind Pilotage Simulation Exercises	Heart Attack and Stroke	
1130-1230	Lunch (Provided)					
1230-1330	Bridge Resource Management (BRM)	E-Navigation Electronic Chart Display Information Systems (ECDIS)	Integrated Bridge Systems Simulation Exercises	Emergency Shiphandling Simulation Exercises	Basic First Aid	Human Factor & Fatigue Simulation Exercises
1330-1430	Principles of Master/Pilot Exchange Role of the Pilot in the MPX	ECDIS Simulation Exercises			Incident Management and Personal Safety	
1430-1530	Leadership Communications		Situational Awareness Simulation Exercises	Emergency Shiphandling Simulation Exercises	Incident Management & Personal Safety	
1530-1630	BRM Situational Awareness	Rose Point ECS™		Emergency Shiphandling Simulation Exercises	Bleeding, Burns and Shock	Wrap up and Program Evaluation
1630-1730			Muscular Skeletal Injuries Including Head and Neck			
					Patient Movement	
					Patient Treatment	