

APPROVE:

Director of the Training Centre «SCF Novoship Training»

_____ **S. V. Makarov**

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TRAINING COURSE

"Ship PCs and Ship Computer Networks"

COURSE SCHEDULE

"Ship PCs and Ship Computer Networks"

Purpose: This program is designed for additional training of seafarers in use and maintenance of Ship PCs and Ship Computer Networks.

Category of trainees: 3rd Officers.

Course duration: 3days.

Form of study: lectures, practical classes (practice), exam.

<i>No</i>	<i>Contents</i>	<i>Total hours</i>	<i>Lectures</i>	<i>Practice</i>
1. The personal computer (PC)		2	1.25	0.75
1.1.	Appointment . Structure. Interoperability .	0.5	0.25	0.25
1.2.	System unit: body, power supply, motherboard, CPU, BIOS, system bus, hard drive, memory stick, video card, sound card.	1	0.5	0.5
1.3.	Display. Video adapter .	0.25	0.25	
1.4.	Peripherals. Input-output devices	0.25	0.25	
2. Maintenance and repair of PCs		6	3.25	2.75
2.1.	Internal system diagnostics PC. Software troubleshooting. Service programs.	1.5	1	0.5
2.2.	Troubleshooting : HDD, CD-ROM, FDD, motherboard, graphics card.	1.5	1	0.5
2.3.	Replacing the motherboard.	1.25	0.25	1
2.4.	Replacing the processor.	0.75	0.5	0.25
2.5.	Replacing the power supply. UPS. Grounding problems.	1.5	1	0.5
3. Marine Networking		6	3.5	2.5
3.1.	Appointment. Components. Topologies. Technologies. Communication Principles. Protocols.	1	1	

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3.2.	Network hardware. Cables. Network adapters. Connectors. Hubs. Switches. Installation and repair rules. Setting the additional equipment (Printer, scanner, etc.)	1.5	1	0.5
3.3.	Marine network PC with WINDOWS. Server. Work station.	0.25	0.25	
3.4.	The network administrator. Registration in network. IP – addresses. Configure the network. User Rights Assignment. Common network resources.	1.75	0.75	1
3.5.	Network Diagnostics. Software. Typical fault. Debugging.	1.5	0.5	1
4. Software WINDOWS XP/ WINDOWS 7		6	2.5	3.5
4.1.	The logical structure of the HDD. Types of memory. The logical structure of memory. File system. Boot Order.	0.5	0.5	
4.2.	Information security (antivirus software).	1.5	0.5	1
4.3.	Setting up and dismantling programs.	0.25	0.25	
4.4.	Installation of external equipment (printer, scanner, hard drive, etc.).	1.25	0.25	1
4.5.	Copy, paste, cut, screen shot.	1	0.5	0.5
4.6.	Setting up scheduled tasks WINDOWS.	1.5	0.5	1
5. Final exam		4		
TOTAL:		24	10.5	9.5