

## PROFESSIONAL DEVELOPMENT PROGRAM

"Loading and unloading activities related to dangerous goods in sea ports and inland water transport"

(Managerial and engineering staff)

Duration: 40 hours

Mode: off-the-job

№	Names of sections and topics
<b>1</b>	<b>International regulation of the transport of dangerous goods by various modes of transport</b>
1.1	Introduction; UN Recommendations on the Transport of Dangerous Goods
1.2	The main international and national regulatory documents governing the transportation of dangerous goods by various modes of transport
1.3	Structure and main content of the UN Model Regulations on the Transport of Dangerous Goods
<b>2</b>	<b>Classification, packaging and labeling of dangerous goods, including chemical products</b>
2.1	Classification of dangerous goods
2.2	Packing and packaging of dangerous goods
2.3	Labeling and danger signs
2.4	Globally Harmonized System of Classification and Labeling of Chemicals (GHS)
2.5	Requirements for high-capacity containers for the transport of dangerous goods
2.6	Requirements for offshore containers used at offshore oil-and-gas facilities
<b>3</b>	<b>Transportation of dangerous goods and loading and unloading activities applicable to them in sea, inland waterway and intermodal transportation</b>
3.1	International conventions, agreements and codes defining requirements for the transport of dangerous goods by sea
3.2	International Maritime Dangerous Goods Code (IMDG Code)
3.3	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways (AND)
3.4	IMO recommendations for the safe transport of dangerous goods in port areas and related activities
3.5	Liquid cargo handling operations at oil and LNG terminals
3.6	Bunkering of ships in sea and river ports
3.7	Intra-port operations for the transportation of dangerous goods by road transport
3.8	Intra-port operations for the transportation of dangerous goods by rail
3.9	Transport documents
3.10	Licensing of loading and unloading activities applicable to them on sea and inland waterway transport
<b>4</b>	<b>Ensuring safety during transportation, handling and storage of dangerous goods</b>
4.1	Risk management in the transport of dangerous goods
4.2	Safety responsibilities of participants in the transportation of dangerous goods
4.3	Ensuring safety when handling high consequence dangerous goods transported by sea and inland waterway transport
4.4	Actions of personnel in emergency situations and elimination of their consequences
4.5	Requirements for explosion-proof equipment, types of protection
4.6	Personal protective equipment used when working with dangerous goods
4.7	First aid to victims of hazardous substances
4.8	Occupational safety and health in sea and river ports

Final certifying examination