

ANNEX I

**STANDARDS FOR COMPETENCES AND
CORRESPONDING KNOWLEDGE AND SKILLS**

III. STANDARDS OF COMPETENCE FOR SAILING ON INLAND WATERWAYS WITH A MARITIME CHARACTER

1. The boatmaster sailing on inland waterways with a maritime character shall be able to work with up-to-date charts and maps, notices to skippers and mariners and other publications specific to waterways with a maritime character.

The boatmaster shall be able to:

COLUMN 1 COMPETENCE	COLUMN 2 KNOWLEDGE AND SKILLS
<ol style="list-style-type: none"> 1. use information supplied from specific nautical information sources and rules applicable for inland waterways with a maritime character. 	<ol style="list-style-type: none"> 1. Knowledge of use of nautical charts and maps of inland waterways with maritime character. 2. Ability to use and correctly apply charts and maps of inland waterways with maritime character for considering factors relating to accuracy of chart reading such as chart date, symbols, soundings, bottom description, depths and datums and international charts standards such as ECDIS. 3. Knowledge of terrestrial and satellite navigation for determination of dead reckoning, piloting, coordinates, geodetic latitude and longitude, horizontal geodetic datum, difference of latitude and longitude, distance and speed over ground, directions on the earth, course, course over ground, compass course corrected with the drift as the result of wind direction and force, heading and bearing, determination of the course, determination of the course with wind and current effect, determination of the course with effect of current and plotting position sailing on route and bearings. 4. Ability to use notices to skippers and mariners and other information services such as sailing directions, planning guides, light lists, maritime safety information (MSI). 5. Knowledge of traffic regulations applying on inland waterways with maritime character including

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	relevant parts of the International Regulations for Preventing Collisions at Sea.
6.	Knowledge of rules applying in emergency situations on inland waterways with a maritime character.
7.	Ability to use maritime equipment foreseen by specific regulation.

2. The boatmaster sailing on inland waterways with a maritime character shall be able to use tidal datums, tidal currents, periods and cycles, the time of tidal currents and tides and variations across an estuary.

The boatmaster shall be able to:

COLUMN 1COMPETENCE	COLUMN 2KNOWLEDGE AND SKILLS
1. respect tides, tidal, weather forecast and conditions before casting-off and when sailing.	<p>1. Knowledge of publications and information for predicting tides and currents, such as, tide tables, tide prediction for subordinate stations, information on ice, high/low water levels, berths and port directories for determination of water level, current direction and force and available depth.</p> <p>2. Knowledge of effects of weather conditions, the shape of land and other factors on tidal currents.</p> <p>3. Ability to determine the impact of tidal level, current, weather conditions and waves, on the planned voyage for safe navigation.</p>

3. The boatmaster sailing on inland waterways with a maritime character shall be able to use SIGNI (Signalisation de voies de Navigation Intérieure) and IALA (International Association of Marine Aids to Navigation and Lighthouse Authorities) for safe navigation on inland waterways with a maritime character.

The boatmaster shall be able to:

COLUMN 1COMPETENCE	COLUMN 2KNOWLEDGE AND SKILLS
1. use SIGNI (Signalisation de voies de Navigation Intérieure), IALA (International Association of Marine Aids to Navigation and Lighthouse Authorities) or other local marking and signal systems.	1. Knowledge of buoyage, IALA, region A, marking and signal systems such as buoyage direction, numbering, marking of objects and superstructures, lateral and cardinal markings, bifurcations buoys, supplementary marks, marking of danger points and obstacles, marking the course of the fair way

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| 2. | as well as channel, entrances of harbours, buoyage and illumination and characteristics of illumination. Ability to use the marking and signal systems to determine the appropriate crafts position in the waterway with respect to local circumstances and conditions. |
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