

# RECOMMENDATIONS

OF THE DANUBE COMMISSION

ON

BOATMASTER'S CERTIFICATES



DANUBE COMMISSION  
Budapest – 2011

The present "Recommendations of the Danube Commission on boatmaster's certificates" (Dok. DK/TAG 77/7) have been adopted by the Decision of the Seventy-seventh session of the Danube Commission of 15 December 2011 (Dok. DK/TAG 77/8). This Decision recommends their enactment from 1 January 2013.

These Recommendations are based on the provisions of the UNECE Resolution No. 31, Directive 91/672/EEC and Directive 96/50/EC, as well as on the provisions of "Recommendations on technical requirements for inland navigation vessels" of the Danube Commission. Rhine Patent Regulations were also taken into consideration when drafting the present Recommendations.

"Recommendations of the Danube Commission on boatmaster's certificates" (Dok. DK/TAG 77/7) shall replace "Recommendations on requirements for the issuance of the boatmaster's certificates for inland waterway vessels on the Danube" (Dok. DK/TAG 53/23), adopted by the Decision of the Fifty-third session of the Danube Commission of 12 April 1995 (Dok. DK/TAG 53/32), as well as "Recommendations on issuance of the radar certificate" (Dok. DK/TAG 53/17), adopted by the same Decision.

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## **CHAPTER 1**

### **GENERAL PROVISIONS**

#### **Article 1.01** **Definitions**

In these Recommendations:

#### **Types of vessels**

1. The term "vessel" means any inland waterway craft, including small craft and ferry-boats, as well as floating equipment and seagoing vessels;
2. The term "inland waterway vessel" means a vessel, including ferry-boat, intended solely or mainly for navigation on inland waterways;
3. The term "motorized vessel" means any craft using its own mechanical means of propulsion, except craft whose engines are used only to cover short distances (in harbours or at loading and unloading points) or to make them easier to handle while being towed or pushed;
4. The term "sea-going ship" means a vessel admitted for maritime or coastal trade and mainly intended for this purpose;
5. The term "mixed river-sea-going vessel" means a vessel, by its technical parameters suitable and duly approved for operation to navigate on the seas and inland waterways;
6. The term "floating equipment" means floating structures carrying machinery used for work on waterways or in harbours (dredgers, elevators, derricks, cranes, etc.);
7. The term "ferry-boat" means vessel providing a transport service across a waterway that is classed as a ferry-boat by the competent authorities. Vessels providing such a service which do not move independently shall in any case be classified as "ferry-boats";
8. The term "passenger vessel" means a day-trip or cabin vessel constructed and equipped to carry more than 12 passengers;
9. The term "day-trip vessel" means a passenger vessel without overnight passenger cabins; an appropriate entry shall be made in its vessel certificate;
10. The term "cabin vessel" means a passenger vessel with overnight passenger cabins; an appropriate entry shall be made in its vessel certificate;
11. The term "tug" means a vessel specially built for towing;
12. The term "pusher" means a vessel specially built to propel a pushed convoy;
13. The term "towed barge" means a vessel intended for the transport of cargo and not equipped with mechanical means of propulsion, or equipped with mechanical means of propulsion for short hauls only;
14. The term "pushed barge" means any vessel built or specially fitted to be pushed;

**Groups of vessels**

15. The term "convoy" means a towed convoy, a pushed convoy or a side-by-side formation;
16. The term "formation" means the forms in which a convoy is made up;
17. The term "rigid convoy" means a pushed convoy or a side-by-side formation;
18. The term "pushed convoy" means a rigid group of vessels, one at least of which is placed in front of the motorized vessel propelling the convoy and is known as a "pusher". A convoy composed of a pusher and a pushed vessel so as to permit guided articulation is also considered as rigid;
19. The term "side-by-side formation" means a group consisting of vessels coupled side-by-side, none of which is placed in front of the motorized vessel propelling the formation;
20. The term "towed convoy" means any group consisting of one or more vessels, floating establishments or assemblies of floating material towed by one or more motorized vessels, the later forming part of the convoy and being known as "tugs";
21. The term "length" or "L" means the maximum length of the hull, excluding rudder and bowsprit;
22. The term "breadth" or "B" means the maximum breadth of the hull in m, measured to the outer edge of the shell plating (excluding paddle wheels, rubbing strakes, etc.);

**Personnel**

23. The term "crew" means deck crew and engine room personnel;
24. The term "minimum crew" means minimum number of crew members prescribed;
25. The term "deck crew" means crew except engine room personnel;
26. The term "shipboard personnel" means all employees on board a passenger vessel who are not members of the crew;
27. The term "safety ensuring personnel" means experts in passenger navigation, persons providing first aid and persons using breathing apparatus;
28. The term "passenger" means any person on board who is not a crew member or a shipboard personnel;
29. The term "boatmaster" means a person, within the meaning of the article 1.02 of the GPND/DFND (General Provisions for the Navigation on the Danube), holding a certain license to navigate a vessel on inland waterways;
30. The term "qualified member of deck crew" means a person who has certain qualifications in accordance with the crew requirements stipulated by "Recommendations on technical requirements for inland navigation vessels";

31. The term "sailing period" means time period on board vessel which is under way between port of departure and port of arrival;
32. The term "navigation by radar" means navigation, in conditions of reduced visibility, using the radar;
33. The term "radiotelephone certificate" means valid radiooperator's certificate issued according to the Annex 5 to "Regional Agreement concerning radiotelephone service on inland waterways";
34. The term "boatmaster's certificate" means a boatmaster's certificate for the Danube or the other certificate of qualification to navigate a vessel on inland waterways;
35. The term "radar certificate" means certificate of qualification to navigate a vessel with the aid of radar;
36. The term "certificate of section knowledge" means certificate issued to the holder of the boatmaster's certificate, recognized by the competent authorities of the Danube countries as equivalent, which contains section where the boatmaster's certificate is valid and certifying that the boatmaster has required for the Danube section knowledge;
37. The term "night" means the period between sunset and sunrise;
38. The term "day" means the period between sunrise and sunset;
39. The term "state of fatigue" means a state occurring as the result of insufficient rest or of sickness, and expressed in deviations from the norm in behavior and reaction speed;
40. The term "state of intoxication" means a state occurring as a result of the use of alcohol, narcotics, medicines or other similar substances and determined in accordance with national legislation and practice.

#### **Article 1.02**

##### **Purpose of these Recommendations**

1. The purpose of this document is to provide competent authorities with Recommendations on requirements for the issuance of boatmaster's certificates with a view to increasing the safety of navigation and protection of human life. This document is not a substitute for national laws and regulations.
2. These Recommendations govern the conditions for obtaining boatmaster's certificate and the necessity of special knowledge for certain sections of the Danube River.

#### **Article 1.03**

##### **Scope of application**

1. These Recommendations shall apply to the boatmasters :
  - a) of vessels having a length of 20 m or more;
  - b) of vessels for which the product of length, breadth and draught is a volume of 100 m<sup>3</sup> or more.

- c) of vessels issued with a certificate of approval in accordance with ADN;
  - d) passenger vessels.
2. These Recommendations shall not apply to the ferry-boats.
  3. Unless otherwise stated by the competent authority, the Recommendations shall not apply to the boatmasters of seagoing vessels and river-sea-going vessels navigating on the Danube on the section of the River Administration of the Lower Danube.

#### **Article 1.04**

##### **Obligation to carry a boatmaster's certificate**

1. A person, who wants to steer a vessel on the Danube, indicated in article 1.03, shall carry either one of the boatmaster's certificates for the Danube mentioned in these Recommendations or boatmaster's certificate of a certain type of vessel recognized as equivalent.

List of boatmaster's certificates recognized as equivalent and additional conditions, presumably established in connection with the recognition, are given in Annex C1.

2. Boatmaster's certificate shall be issued for the Danube or for the separate river section, thus:
  - a) if it is issued for the separate sections, it is valid only on these sections;
  - b) boatmaster's certificates recognized as equivalent shall be valid on the sections, specified in article 2.04, only when its holder possesses a certificate of section knowledge in accordance with the model contained in Annex A3.
3. Except for waterways where the Rhine Patent Regulation is recognized as valid, the holder of the boatmaster's certificate issued by the non-Danube Commission Member State in accordance with the Directive 96/50/EC, as well as the holder of the certificate referred to in Annex I to the Directive 91/672/EEC, may act as a boatmaster of a vessel of certain type and parameters navigating on the Danube, on a section which is not indicated in article 2.04 of these Recommendations.

#### **Article 1.05**

##### **Obligation to carry a radar certificate**

1. A person, who steers a vessel, indicated in article 1.03, using the radar, in addition to the boatmaster's certificate required for the navigating section, shall also carry either radar certificate issued in accordance with these Recommendations or the other certificate entitling to use radar which is recognized as equivalent.
2. List of radar certificates recognized as equivalent and additional conditions, which may be established in connection with the recognition, are given in Annex C2.

**Article 1.06**  
**Types of boatmaster's certificates**

According to the present Recommendations there are:

1. Three types of boatmaster's certificates for the Danube:

a) Boatmaster's certificate for the Danube of type "A":

boatmaster's certificate valid on the inland waterways and on the waterways of a maritime character,

except for convoys formed of five or more vessels and towed/pushed barges, cabin vessels and day-trip vessels for carriage of more than 250 passengers;

b) Boatmaster's certificate for the Danube of type "B":

boatmaster's certificate valid on the inland waterways,

except for convoys formed of five or more vessels and towed/pushed barges, cabin vessels and day-trip vessels for carriage of more than 250 passengers;

c) Boatmaster's certificate for the Danube of type "C":

boatmaster's certificate valid for all vessels,

for all vessels and convoys, including convoys formed of five or more vessels and towed/pushed barges, as well as cabin vessels and day-trip vessels for carriage of more than 250 passengers;

If a boatmaster's certificate of type "C" is issued to the holder of a boatmaster's certificate of type "B", such certificate will be valid only on the inland waterways.

2. The Administrations of the Member States of the Danube Commission may introduce into national legislation provisions concerning designation of boatmasters as captains of vessels.

3. The radar certificate for navigation on the Danube using the radar.

**CHAPTER 2**  
**BOATMASTER'S CERTIFICATE FOR THE DANUBE AND CERTIFICATE**  
**OF SECTION KNOWLEDGE**

**SECTION 1**

**REQUIREMENTS FOR THE ISSUANCE OF THE BOATMASTER'S CERTIFICATE FOR**  
**THE DANUBE AND CERTIFICATE OF SECTION KNOWLEDGE**

**Subsection 1: General requirements**

**Article 2.01**

**Boatmaster's certificate for the Danube of type "A"**

1. A person, who wants to obtain boatmaster's certificate for the Danube of type "A", must be not less than 21 years of age.
2. An applicant must possess a radiotelephone certificate.
3. An applicant must possess required qualifications, the following one satisfies who:
  - a) physically and mentally fits for a boatmaster;  
 Fitness must be proved by the medical certificate in accordance with Annexes B1 and B2; medical certificate must be issued by a doctor recognized by the competent authority.
  - b) didn't commit punishable acts in navigation;
  - c) has qualifications, namely, possesses professional skills and knowledge, including navigation as well as knowledge of rules and waterway. Such qualifications shall be proved by passing successfully an examination provided for this purpose.
4. An applicant must provide proof of four years' sailing as a qualified member of the deck crew, of which at least two years in inland water transport. Duration of the navigation service must be proved in relation to the motorized vessel required holding the boatmaster's certificate. Calculation of the duration of the navigation service shall be done in accordance with article 2.07.
5. The minimum duration of the professional experience stipulated in paragraph 4 may be reduced by maximum two years, when the applicant holds a diploma of specialized training in inland water transport, approved by the competent authority, which includes practical training for sailing a vessel; provided reduction of duration shall not exceed duration of professional training by more than 6 months.

**Article 2.02**

**Boatmaster's certificate for the Danube of type "B"**

1. A person, who wants to obtain boatmaster's certificate for the Danube of type "B", must be not less than 21 years of age.
2. An applicant must possess a radiotelephone certificate.

3. An applicant must possess required qualifications, the following one satisfies who:
  - a) physically and mentally fits for a boatmaster;  
Fitness must be proved by the medical certificate in accordance with Annexes B1 and B2; medical certificate must be issued by a doctor recognized by the competent authority.
  - b) didn't commit punishable acts in navigation;
  - c) has qualifications, namely, possesses professional skills and knowledge, including navigation as well as knowledge of rules and waterway. Such qualifications shall be proved by passing successfully an examination provided for this purpose.
4. An applicant must provide proof of four years' sailing as a qualified member of the deck crew, of which at least two years in inland water transport. Duration of the navigation service must be proved in relation to motorized vessel required holding the boatmaster's certificate. Calculation of the duration of the navigation service shall be done in accordance with article 2.07.
5. The minimum duration of the professional experience stipulated in paragraph 4 may be reduced by maximum two years, when the applicant holds a diploma of specialized training in inland water transport, approved by the competent authority, which includes practical training for sailing a vessel; provided reduction of duration shall not exceed duration of professional training by more than 6 months.

### **Article 2.03**

#### **Boatmaster's certificate for the Danube of type "C"**

1. A boatmaster's certificate for the Danube of type "C" shall be issued to the holder of a boatmaster's certificate of type "A" or "B".  
  
A person, who wants to obtain boatmaster's certificate for the Danube of type "C", must possess required qualifications, the following one satisfies who:
  - a) physically and mentally fits for a boatmaster;
  - b) didn't commit punishable acts in navigation;
  - c) is able, stemming from his previous behavior, to ensure safe navigation of vessel, convoy composed of five and more vessels and barges or passenger vessel. Employer's certificate shall serve as a proof of this fact.
3. An applicant must provide proof of three years' sailing as boatmaster of type "A" or "B". Additionally, the applicant must have a minimum of one year navigation service acquired in steering of a vessel which requires boatmaster's certificate of type "C". Calculation of the duration of the navigation service shall be done in accordance with article 2.07 and article 2.08.
4. An authority, issuing boatmaster's certificates, upon receiving a medical certificate in accordance with Annexes B1 and B2, issued by a doctor recognized by the competent authority, shall issue to the holder of the boatmaster's certificate of type "A" or "B" a new boatmaster's certificate for the Danube of type "C", which contains section where the certificate is valid.

According to the model contained in Annex B3, certificate of fitness shall indicate a new validity date which substitutes a validity date indicated in the boatmaster's certificate for the Danube of type "C".

## **Subsection 2: Special knowledge of sections**

### **Article 2.04**

#### **Sections for which the special knowledge is necessary**

Regardless of type of the boatmaster's certificate, additionally special knowledge of sections on the Danube is necessary:

Straubing (km 2329)	-	Vilshofen (km 2249)
Tiefenbach (km 2081)	-	Sankt Nikola (km 2074)
Melk (km 2036)	-	Krems (km 2001)
Freudenau (km 1920)	-	Belgrade (km 1166)
Veliko Gradište (km 1059)	-	Joc (km 1038)
Upper Kazany(km 974)	-	Orșova (km 954)
Prahovo (km 863)	-	Brăila (km 175)
Brăila (km 175*)	-	the Black Sea

### **Article 2.05**

#### **Acquiring knowledge of sections**

1. A person, who wants to obtain boatmaster's certificate or certificate of section knowledge, must pass a section concerned at least eight times in all directions during the preceding ten years, including at least three voyages in all directions, during the preceding three years.
2. A person, who wants to obtain boatmaster's certificate or certificate of section knowledge, must have undertaken these voyages as a qualified member of deck crew on board motorized vessel required holding the boatmaster's certificate of that type which has been applied for.
3. Additionally, local competent authorities must require successful passing of examination concerned. For this purpose, local competent authorities of the DC Member State shall compile Catalogue of subjects (Annex D3), which may include subjects related to:
  - a) the description of the route upstream and downstream, including the dimensions of the navigable fairway (in case of unchanged and navigation-related parameters of the route).
  - b) "General provisions for the navigation on the Danube" (GPND/DFND), "Local Rules of navigation on the Danube (special provisions)" and special temporary requirements issued by the Danube states.

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\* Amended by the Decision of the 78<sup>th</sup> session of the Danube Commission DK/ TAG78/8 of 6 June 2012.

The examination may be conducted by the competent authority of each DC Member State, using this Catalogue of subjects.

**Article 2.06**  
**Certificate of section knowledge**

1. The applicants for the boatmaster's certificate for a section which completely or partly covers section referred to in article 2.04, as well as holders of boatmaster's certificate recognized as equivalent for the purposes of navigation on the whole or on a certain part of the section, indicated in article 2.04, must provide proof of the requested section knowledge.
2. As proof of section knowledge, section covered by the boatmaster's certificate shall be indicated in the boatmaster's certificate conforming to the model in Annex A1. For the boatmaster's certificates recognized as equivalent the section knowledge shall also be proved by certificate of section knowledge according to the model contained in Annex A3.

**SECTION 2**

**DURATION OF NAVIGATION AND VOYAGES BY SECTIONS**

**Article 2.07**  
**Calculation of the duration of navigation**

1. 180 actual days of navigation on inland waterway transport are counted as one year of the duration of navigation. Over a period of 365 consecutive days, a maximum of 180 days may be taken into account.
2. By maximum two years of the duration of maritime navigation, certified by a document, as a qualified member of deck crew shall be taken into consideration; while 250 days of maritime navigation are counted as one year of the duration of navigation.

**Article 2.08**  
**Proof of the duration of navigation and voyages by section**

1. Voyages to be undertaken by the Danube sections and the duration of navigation must be proved using a service record dully filled in and checked, conforming to the model reproduced in Appendix 5 to "Recommendations on Technical Requirements for Inland Navigation Vessels" or a service record recognized as equivalent. Service record must be issued by the competent authority and compiled, as a minimum, in the official language of the state concerned and in one of the official languages of the Danube Commission.
2. Duration of navigation may be also proved by boatmaster's certificate in so far and for those types of vessels as it has been already proved when issuing this certificate.
3. Duration of maritime navigation must be proved by entry in Seafarer's Book.

4. Duration of training in a professional college of maritime or inland navigation must be proved by a certificate delivered by this college.
5. Documents, listed in paragraphs 2-4, shall be presented in the official language of the state concerned.

### **SECTION 3**

#### **PROCEDURES FOR PERMISSION TO PASS EXAMINATIONS AND THEIR ADMINISTERING, PROOF OF FITNESS**

##### **Article 2.09 Examination Committee**

1. The competent authority shall establish one or more Examination Committees responsible for administering examinations. Each Examination Committee shall be composed of the president, who is a staff member from the competent authority, and minimum of two more members, having sufficient professional qualification.
2. The Examination Committee for the issuing of the boatmaster's certificate for the Danube shall be composed so that minimum one examiner shall hold the boatmaster's certificate of that type which has been applied for.

##### **Article 2.10**

#### **Application for obtaining boatmaster's certificate or extending its field of application**

1. A person, who wants to obtain boatmaster's certificate or extend its field of application, must submit to the competent authority an application for permission to pass examination and for issuance of the boatmaster's certificate which includes the following particulars:
  - a) first name and surname, date and place of birth, address;
  - b) type of a boatmaster's certificate to be obtained;
  - c) Danube section for which boatmaster's certificate is needed.
2. The application for obtaining boatmaster's certificate must be accompanied by:
  - a) one passport photograph made no more than one year ago;
  - b) copy of identity card or passport;
  - c) medical certificate, in accordance with Annex B2, issued within the last three months; nevertheless, in case there are any doubts left about fitness, the competent authority may require to provide additional certificates issued by doctors or medical specialists;
  - d) proof of duration of navigation and voyages by the sections;
  - e) copy of radiotelephone certificate;
  - f) copy of a Criminal record;
  - g) for application for a boatmaster's certificate of type "C" – employer's confirmation stating that the applicant, based on his past behavior, is

expected to navigate convoys formed of five or more vessels and towed/pushed barges, cabin vessels and day-trip vessels for carriage of more than 250 passengers safely.

3. Instead of medical certificate, in accordance with Annex B2, proof of fitness may be carried out in the form of:
  - a) valid boatmaster's certificate subject at least to the requirements listed in Annexes B1 and B2 and extended according to the article 2.18,  
or
  - b) medical certificate issued within the last three months and subject at least to the requirements served as a basis for Annexes B1 and B2.
4. Instead of a copy of a Criminal record, fitness to lead a crew may be also proved by other equivalent document in accordance with the legislation of residence. Such valid documents must be issued no earlier than the last six months.
5. The application for extending a field of a certificate's application to the other section must be accompanied by:
  - a) one passport photograph made no more than one year ago;
  - b) copy of identity card or passport;
  - c) copy of valid boatmaster's certificate;
  - d) proof of voyages by the sections.
6. The application submitted by a holder of a boatmaster's certificate, in order to obtain the other type of a boatmaster's certificate for the Danube, must be accompanied by:
  - a) one passport photograph made no more than one year ago;
  - b) copy of identity card or passport;
  - c) copy of valid boatmaster's certificate.

### **Article 2.11**

#### **Application for obtaining certificate of section knowledge or extending its field of application**

1. A person, who wants to obtain certificate of section knowledge or extend its field of application, must submit to the one of the competent authorities an application for permission to pass examination and for issuance of the certificate of section knowledge which includes the following particulars:
  - a) first name and surname, date and place of birth, address;
  - b) Danube section for which certificate of section knowledge is needed.
2. The application for obtaining certificate of section knowledge or extending a field of its application must be accompanied by:
  - a) one passport photograph made no more than one year ago;
  - b) copy of identity card or passport;

- c) copy of valid boatmaster's certificate recognized as equivalent under paragraph 1 of the article 1.04;
- d) proof of voyages by the sections.

**Article 2.12**  
**Permission to pass examination**

1. Following submission of the full set of documentation attached to the application according to paragraphs 1-4 of the article 2.10, applicants satisfying requirements of the articles 2.01 and 2.02, except as provided in paragraph 3 under character c), shall be permitted to pass examination for obtaining boatmaster's certificate.

If the medical certificate indicates only limited fitness, permission to pass examination is still possible. In this case, the competent authority may link a boatmaster's certificate with reservations made to it upon issuance. Rejection of application must be justified.

The competent authority may stipulate with regard to a person, whose copy of a Criminal record or content of the other equivalent document are unfavourable, that this person can't be permitted to pass examination before the expiration of a certain period (waiting period).

2. A person, who wants to extend application of the boatmaster's certificate to the other section, shall be permitted to pass examination after submission of the full set of documentation attached to the application pursuant to paragraphs 1 and 5 of the article 2.10.
3. A person, who wants to extend application of the boatmaster's certificate to the other type of the boatmaster's certificate, shall be permitted to pass examination after submission of the full set of documentation attached to the application pursuant to paragraphs 1 and 6 of the article 2.10.
4. A person, who wants to obtain certificate of section knowledge or extend its field of application, shall be permitted to pass examination after submission of the full set of documentation attached to the application pursuant to the article 2.11.

**Article 2.13**  
**Examination**

1. The Examination Committee shall verify that the applicant
  - a) has a sufficient knowledge of rules determining vessels' navigation, as well as nautical and technical knowledge of operation of vessels, necessary for their safe navigation, possesses professional skills and knowledge of principles of accidents prevention; this knowledge shall be checked during examination according to the examination programme contained in Annex D1;
  - b) obtains required section knowledge, in case such examination is required for a certain section pursuant to the article 2.04.

2. In order to obtain boatmaster's certificate of type "A" or "B" theoretical examination must have been passed, and at the same time the Examination Committee shall verify that the applicant is able to navigate vessel safely. The competent authority may require practical examination on board a vessel or on a simulator, or employer's confirmation.
3. In case of extending of the field of application of the boatmaster's certificate of type "B" to the boatmaster's certificate of type "A", theoretical examination and examination on the knowledge of maritime sections must be passed.
4. In case an examination hasn't been passed, an applicant shall be informed of the reasons. The Examination Committee may link re-examination with reservations or conditions, or exempt from a part of examination.

#### **Article 2.14**

##### **Exemptions and privileges for passing examinations**

1. A holder of a valid qualification certificate for navigating a vessel on inland waterways, issued by the competent authority, or of the other valid boatmaster's certificate, recognized by the DC Member States as equivalent pursuant to the Annex C 3, for obtaining boatmaster's certificate for the Danube must satisfy conditions for permitting to pass examination in accordance with the article 2.12, however during examination he must prove knowledge of rules and requirements applicable on the Danube, as well as knowledge required for the section indicated in the article 2.04.
2. A holder of a boatmaster's certificate for the Danube, upon obtaining the other type of the boatmaster's certificate, pursuant to the article 1.06, or upon extending its field of application to the other section, may be exempted from that part of examination which refers to the knowledge and skills being proved upon obtaining the existing boatmaster's certificate for the Danube.

#### **Article 2.15**

##### **Issuance and extending the field of application of the boatmaster's certificates**

1. If an applicant has passed an examination, authority responsible for the issuance of the boatmaster's certificates shall issue a relevant boatmaster's certificate according to the model contained in the Annex A1.

The following entry shall be made in the boatmaster's certificate:

- boatmaster's certificate for the Danube of type "A", or
  - boatmaster's certificate for the Danube of type "B", or
  - boatmaster's certificate for the Danube of type "C".
2. Reservations must be specified in the boatmaster's certificate according to the third sentence in paragraph 1 of the article 2.12.
  3. For a period between a successful passing of examination and obtaining the boatmaster's certificate according to the model contained in the Annex A1, the competent authority may issue temporary boatmaster's certificate according to the model contained in the Annex A2, the competent authority may also issue

temporary boatmaster's certificate for a period between the expiry date of the boatmaster's certificate and the date of issue of the new boatmaster's certificate.

4. In case of extending the field of application of the boatmaster's certificate, the competent authority may issue temporary boatmaster's certificate according to paragraph 3 of this article for a period between a successful passing of examination and obtaining the final boatmaster's certificate. He informs about this authority responsible for the issuance of the boatmaster's certificates in order to issue the new boatmaster's certificate according to the model contained in the Annex A1.
5. If the boatmaster's certificate has become unusable, has been lost or otherwise missed, upon request the issuing authority shall make a duplicate copy which shall be designated as such. The holder must provide explanations related to the lost of the boatmaster's certificate to the competent authority. The boatmaster's certificate become unusable or newly found shall be returned to the authority issued the boatmaster's certificates or submitted to it for cancellation.
6. A validity date of the boatmaster's certificate for the Danube shall be limited on reaching 50 years of age, pursuant to the provisions of paragraph 1 of the article 2.19 and paragraph 1 b) of the article 2.20.

#### **Article 2.16**

##### **Issuance of the certificate of section knowledge**

If an applicant has successfully passed an examination on section knowledge according to paragraph 2 of the article 2.05, the competent authority shall issue to him a certificate of section knowledge, conforming to the model contained in the Annex A3.

#### **Article 2.17**

##### **Expenses**

An applicant shall adequately bear costs related to the examination, issuance of the boatmaster's certificate or certificate of section knowledge, extending of its application to the other sections or to the other type of the boatmaster's certificate, as well as making the duplicate copy or replacement of the documents. Amount of expenses shall be defined by the competent authority. It may partly or fully charge upon the submission of the application.

#### **Article 2.18**

##### **Regular examination of fitness**

1. Holders of the boatmaster's certificates for the Danube or certificates recognized as equivalent must renew the proof of fitness by providing medical certificate according to the Annex B2, which must be issued no earlier than the previous three months:
  - a) every five years after reaching 50 years of age and until reaching 65 years of age;
  - b) annually after reaching 65-years of age.

2. The before-mentioned medical certificate shall be submitted to the authority that issued the boatmaster's certificate. It can be also submitted to the other competent authority. The latter shall submit documents to the authority that issued the boatmaster's certificate and, instead of the authority that issued the boatmaster's certificate, may issue boatmaster's certificate for a limited period considered as a replacing document.
3. The holder of the boatmaster's certificate recognized as equivalent must provide the medical certificate to the authority entitled to issue boatmaster's certificates. The authority received a certain application shall issue a new boatmaster's certificate according to the Annex A1 or a certificate of fitness according to the Annex B3.

### **Article 2.19**

#### **Proof of fitness for the holders of the boatmaster's certificate reached 50 years of age, 55 years of age, 60 years of age and 65 years of age**

1. The authority issuing the boatmaster's certificates shall issue to the holder of the boatmaster's certificate, upon submission of the medical certificate, the following documents:
  - a) after reaching 50 years of age: the new boatmaster's certificate pursuant to the Annex A1, valid until reaching 55 years of age;
  - b) after reaching 55 and 60 years of age: the new boatmaster's certificate pursuant to the Annex A1 or the certificate of fitness pursuant to the Annex B3, in certain cases valid until reaching 60 and 65 years of age;
  - c) after reaching 65 years of age: the new boatmaster's certificate pursuant to the Annex A1 or the certificate of fitness pursuant to the Annex B3, with examination prescribed after reaching 65 years of age, in certain cases valid until reaching 66 years of age. According to the Annex B3, certificate of fitness shall indicate a new validity date which substitutes a validity date indicated in the boatmaster's certificate.
2. Certificate of fitness according to the Annex B3, stipulated by paragraphs 1 b) and 1 c), may be replaced by the endorsement of the authority issuing the boatmaster's certificate made in the medical certificate pursuant to the Annex B2. Validity date replacing validity date indicated in the boatmaster's certificate shall be specified in the endorsement made in the medical certificate.
3. If the medical certificate proves only limited fitness, the authority issuing the boatmaster's certificate shall specify in the new boatmaster's certificate, certificate of fitness or medical certificate, according to the Annex B2, additional reservations related to the validity of the boatmaster's certificate.
4. If the new boatmaster's certificate isn't issued, the boatmaster's certificate shall be valid only in case if the holder of the boatmaster's certificate possesses the certificate of fitness pursuant to the model contained in the Annex B3 or medical certificate, according to the Annex B2, which has been certified by the competent authority.

#### SECTION 4

### SUSPENSION, REVOCATION AND WITHDRAWAL OF THE BOATMASTER'S CERTIFICATE, PROHIBITION ON NAVIGATION

#### Article 2.20

#### Suspension of the the boatmaster's certificate

1. The boatmaster's certificate shall be suspended
  - a) by the order of the competent authority for the period of introduction of restrictions. It may issue such an order for a certain period, if preconditions for withdrawal of the boatmaster's certificate are still missing, however, doubts as to the fitness of the holder of the boatmaster's certificate exist. If these doubts are settled before the expiry date of the order, it must be cancelled;
  - b) and without order, if the fitness isn't proved within the three months after the expiration of the proof provided by paragraph 1 of the article 2.18, until the renewal of the proof of fitness.
  
2. If the competent authority has any doubts as to the fitness of the holder of the boatmaster's certificate, than
  - a) It shall inform about this authority issued the boatmaster's certificate, which may require to provide medical certificate related to the current status of fitness according to the Annex B2, or medical certificate recognized as equivalent; the holder of the boatmaster's certificate shall bear all associated costs only in case, if suspicions are justified;
  - b) It may suspend the boatmaster's certificate, but the suspension period shall be limited by the date when the authority issuing the boatmaster's certificates shall take a decision based on the medical certificate; in this case, it shall inform on its decision the authority which issued the boatmaster's certificate.
  
3. In case, specified in paragraph 1, character a), the boatmaster's certificate must be submitted to the competent authority for official storage.

#### Article 2.21

#### Revocation of the the boatmaster's certificate

1. If the holder of the boatmaster's certificate is unfit to navigate a vessel within the meaning of the article 2.01, 2.02 or 2.03, the authority issuing the boatmaster's certificates must revoke his certificate.
  
2. If condition or restriction hasn't been again fulfilled by the holder of the boatmaster's certificate according to paragraph 2 of the article 2.15, the authority issuing the boatmaster's certificates may revoke his boatmaster's certificate.
  
3. The boatmaster's certificate shall no longer be valid in case of its revocation. The boatmaster's certificate ceased to be valid must be immediately submitted

to the authority issued the boatmaster's certificate or provided to it for the cancellation of the boatmaster's certificate.

4. The authority issuing the boatmaster's certificates upon revocation of the boatmaster's certificate may take a decision that
  - a) new boatmaster's certificate shall not be issued before the expiry of a certain period
  - or
  - b) a person applied for a new boatmaster's certificate must fulfill certain conditions for getting permission to pass a new examination.
5. After receiving an application for the issuance of the new boatmaster's certificate, the competent authority may take a decision to exempt fully or partly from examination.
6. If the competent authority detects facts that may serve as a basis for the revocation of the boatmaster's certificate, it shall notify the authority issuing the boatmaster's certificate.

#### **Article 2.22**

#### **Prohibition on navigation for the holder of the boatmaster's certificate for the Danube or certificate recognized as equivalent**

1. If any doubts as to the physical or mental fitness of the boatmaster exist, the competent authority or relevant court may take a decision on temporary prohibition on navigation on the section of their jurisdiction until the new medical certificate shall be provided, according to the Annex B2, or certificate recognized as equivalent; the competent authority shall notify the authority issued the boatmaster's certificates. If medical certificate provided resolves doubts, the decision must be canceled. The holder of the certificate shall bear costs related to the obtaining of the new medical certificate only in case, if suspicions are justified.
2. The competent authority or relevant court may take a decision on temporary or final prohibition on navigation on the section of their jurisdiction regarding boatmaster, if
  - a) unfitness is confirmed
  - or
  - b) the holder frequently violated rules of safety of navigation, in particular, if he navigated vessel in a state of intoxication.
3. If there is no urgency, the order shall be issued after hearing the holder of the mentioned boatmaster's certificate; authority issued the certificate shall notify of the hearing and the decision made by the competent authority.

**Article 2.23****Withdrawal of the boatmaster's certificate**

1. If there are urgent grounds for believing that the boatmaster's certificate is subject to revocation (article 2.21), or the order for its suspension is issued (character a) of paragraph 1 of the article 2.20), or serious suspicions that a document has been fraudulently obtained; the competent authority may require a temporary withdrawal of the boatmaster's certificate.
2. The boatmaster's certificate being temporary withdrawn shall be forthwith submitted to the issuing authority or, in accordance with the national rules of the Danube states, to the court under relevant jurisdiction, stating the reasons.
3. The authority issuing the boatmaster's certificates, being informed of the order to withdraw the boatmaster's certificate, shall immediately take a decision on suspension of the boatmaster's certificate or its withdrawal. If it falls under the competence of a court, the latter shall make a decision in accordance with the national rules of the Danube states. Before making a decision, according to paragraphs 1 and 2, the order for withdrawal shall be in the meantime considered as an order in the meaning of the character a) of paragraph 1 of the article 2.20.
4. The temporary withdrawal of the boatmaster's certificate shall be canceled and the boatmaster's certificate shall be returned to the holder, in case, if the reason for this decision has gone, the order for the suspension hasn't been issued or if the boatmaster's certificate hasn't been revoked.

**Article 2.24****Withdrawal of the boatmaster's certificate recognized as equivalent**

1. If there are urgent grounds for believing that the boatmaster's certificate recognized as equivalent is subject to revocation, or the order for its suspension is issued by the authority issuing the boatmaster's certificates, or serious suspicions that a document has been fraudulently obtained, the competent authority may require a temporary withdrawal of the boatmaster's certificate recognized as equivalent.
2. The boatmaster's certificate being temporary withdrawn shall be forthwith submitted to the authority issuing the boatmaster's certificates.
3. The authority issuing certificates shall carry out necessary checks and forthwith notify competent authority, which has withdrawn a certificate, of the validity of the document.

**CHAPTER 3**  
**RADAR CERTIFICATES**

**Article 3.01**  
**General provisions**

A person, who wants to obtain radar certificate must:

- a) be not less than 21 years of age,
- b) possess a boatmaster's certificate and
- c) possess a radiotelephone certificate.

**Article 3.02**  
**Procedure of application and permission to pass examination**

1. A person, who wants to obtain radar certificate, must submit to the competent authority an application for permission to pass examination and for issuance of the certificate, specifying herewith the following particulars:
  - a) first name and surname;
  - b) date and place of birth;
  - c) address.
2. The application must be accompanied by:
  - a) one passport photograph made no more than one year ago;
  - b) copy of identity card or passport;
  - c) copy of boatmaster's certificate;
  - d) copy of radiotelephone certificate.
3. If the application for obtaining radar certificate is submitted at the same time with the application for obtaining boatmaster's certificate, than it shall not be necessary to provide copy of the boatmaster's certificate.

**Article 3.03**  
**Examination Committee**

1. The competent authority shall establish one or more Examination Committees responsible for administering examinations. Each Examination Committee shall be composed of the president, who is a staff member from the competent authority, and minimum of two more members, having sufficient professional qualification.
2. A member of Examination Committee responsible for the practical part of the examination must have radar certificate.

**Article 3.04**  
**Examination**

1. During examination, according to the examination programme (practical and theoretical part) contained in Annex D2, the applicant must prove the Examination Committee, established according to the article 3.03, that he has a sufficient knowledge for navigating vessel using the radar.
2. The practical part of the examination may also be held on the radar simulator duly certified by the competent authority.
3. A candidate, who didn't pass theoretical or practical part of the examination, may pass re-examination of that part before the same Examination Committee within a period envisaged by the competent authority. The re-examination followed unsuccessful examination shall be taken no less than two months after. If during one year a candidate is not able to pass re-examination successfully, he shall re-sit the entire examination programme.
4. The Examination Committee shall personally notify every candidate of examination results. Upon candidate's request, it must verbally inform him of the mistakes made and may permit a candidate to access his examination files.

**Article 3.05**  
**Issuance of the radar certificate**

1. If a candidate has successfully passed an examination, the competent authority shall issue to him a radar certificate, according to the Annex A4.
2. Availability of the radar certificate may be additionally proved by entering word "Radar" (radar) in the boatmaster's certificate.
3. If the radar certificate has become unusable, has been lost or otherwise missed, upon request the issuing authority shall make a duplicate copy which shall be designated as such. The holder must provide explanations related to the lost of the certificate to the competent authority. The certificate become unusable or newly found shall be returned to the authority issuing certificates or submitted to it for cancellation.

**Article 3.06**  
**Revocation of the radar certificate**

The authority issuing the radar certificate may revoke it, if the holder demonstrated insufficient ability to navigate a vessel using the radar that endangered navigation. The certificate may be revoked for a certain period or forever.

**Article 3.07**  
**Prohibition for the holder of the radar certificate recognized as equivalent on navigating a vessel using the radar**

1. The competent authority or court of relevant jurisdiction may issue an order on temporary or final prohibition on navigating a vessel using the radar on the

section of their jurisdiction regarding boatmaster possessing radar certificate recognized as equivalent, if the holder demonstrated insufficient ability to navigate a vessel using the radar that endangered navigation.

2. If there is no urgency, the order shall be issued after hearing the holder of the mentioned radar certificate; authority issued the certificate shall notify of the hearing and the decision made by the competent authority.

### **Article 3.08** **Expenses**

An applicant shall adequately bear costs related to the examination, issuance, making the duplicate copy or replacement of the radar certificate. Amount of expenses shall be defined by the competent authority. It may partly or fully charge upon the submission of the application.

## **CHAPTER 4**

### **TRANSITIONAL PROVISIONS**

#### **Article 4.01**

##### **Validity of previous boatmaster's certificates**

1. Boatmaster's certificates already issued or remain valid pursuant to the requirements concerning steering vessels on the Danube which have been valid before the date of entry into force of these Recommendations shall remain valid according to the previous requirements.
2. Provisions of the article 2.18 related to the fitness examination shall be applied to the boatmaster's certificates for the Danube pursuant to paragraph 1, while the anomalous quotient in relation to the colour distinction capacity may be from 0,7 to 3,0. Persons reached the age, specified under character a) of paragraph 1 of the article 2.18, must pass examination to prove fitness before the next prescribed examination period. During the first renewal of proof of fitness the boatmaster's certificate shall be issued in accordance with the model contained in the Annex A1.\*
3. Provisions of the articles 2.20 and 2.21 shall be applied to the boatmaster's certificates according to paragraph 1.
4. Radar certificates issued according to the provisions which have been valid before the date of entry into force of these Recommendations shall remain valid according to the previous requirements. They may be exchanged for the radar certificates stipulated by these Recommendations.

#### **Article 4.02**

##### **Conformity of the types of the boatmaster's certificates**

1. Boatmaster's certificates, remaining valid pursuant to paragraph 1 of the article 4.01, shall be in conformity with the boatmaster's certificates for the Danube of type "C".
2. Boatmaster's certificates, remaining valid pursuant to paragraph 1 of the article 4.01, may be exchanged for the boatmaster's certificates of type "C" for the same section.

#### **Article 4.03**

##### **Calculation of the duration of navigation**

Duration of navigation and voyages by sections, taken place before the date of entry into force of these Recommendations, shall be counted according to the previous requirements.

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\* Paragraph 2 isn't applied in Austria.

## **ANNEXES**

**Annex A1  
(model)**

**Boatmaster's certificate  
(85 mm x 54 mm, light blue background)**

<b>Boatmaster's certificate</b>	<b>Member State of the Danube Commission competent authority</b>
1. boatmaster's certificate for the Danube of type "A"/type "B"/type "C"*)	<i>(picture of flag/state emblem of the Member State of the Danube Commission)</i>
2. xxx	
3. xxx	
4. 1.1.1980 SK- Bratislava	
5. 12.10.2010	6. xxx
	7.
8. ###	
9. km 2414,72 – km 1433	
10.	
11. 31.12.2029	
12.	

<b>Boatmaster's certificate</b>	
1. Entry according to the article 2.15 of "Recommendations of the Danube Commission on boatmaster's certificates"	7. Photograph of the holder
2. Surname	8. Signature of the holder
3. First name	9. Danube section km from... and to ...
4. Date, state and place of birth	10. Subject to be regulated (type and length of vessel, of convoy, radar, passengers, engine(s) power, carrying capacity)
5. Date of issue of the certificate	11. Certificate is valid until.....
6. Issue number	12. Comments

\*) Delete as appropriate.

**Annex A2  
(model)**

**Temporary boatmaster's certificate**

issuing authority

.....

**Temporary boatmaster's certificate**

(valid only with the identity card or passport)

Boatmaster's certificate for the Danube of type "A"/ of type "B"/  
of type "C"<sup>\*)</sup>

Mrs<sup>\*)</sup> / Mr<sup>\*)</sup> .....

(surname)

(first name)

Date of birth: .....

Place of birth: ....., state: .....

is a holder of the above boatmaster's certificate for the Danube on a river section

from ..... km to ..... km<sup>\*)</sup>.

The present temporary boatmaster's certificate remains valid until obtaining a boatmaster's certificate,  
maximum 3 months from the date of its issue.

.....

(place of issue)

.....

(date of issue)

.....

(holder's signature)

.....

(signature and stamp of issuing authority)

\_\_\_\_\_

<sup>\*)</sup>Delete as appropriate.

**Annex A3  
(model)**

**Certificate of section knowledge**

(front side)

<p>.....<sup>1</sup></p> <p><b>Certificate of section knowledge of the Danube river</b></p> <p><i>(This title is duplicated in the official language of a certain state and in one of the official languages of the Danube Commission)</i></p> <p>№ .....<sup>2</sup></p>	<p>The present certificate of section knowledge is valid only with the boatmaster's certificate issued to the same person.</p> <p><i>(This text is duplicated in the official language of a certain state and in one of the official languages of the Danube Commission)</i></p> <p>document: <sup>3</sup> .....</p> <p>№ .....</p>
---	---

(reverse side)

<p>Mr / Mrs</p> <p>.....</p> <p>(first name and surname)</p> <p>born " " .....</p> <p>in .....</p> <p>is authorized to navigate on the section of the Danube river</p> <p>1. from ..... km to ..... km</p> <p>2. from ..... km to ..... km</p> <p>3. from ..... km to ..... km</p> <p>4. from ..... km to ..... km</p> <p><i>(The whole text on the reverse side is duplicated in the official language of a certain state and in one of the official languages of the Danube Commission)</i></p> <p>.....<sup>8</sup></p> <p>(signature of the holder)</p>	<p>photograph of the holder</p> <p>issued in <sup>4</sup> .....</p> <p>" " .....<sup>5</sup></p> <p>.....<sup>6</sup></p> <p>.....<sup>7</sup> stamp<sup>7</sup></p>
---	--

<sup>1</sup> State issued the document.

<sup>2</sup> Number on the list.

<sup>3</sup> The type of the boatmaster's certificate pursuant to the Annex C1, indicating national state symbol, for instance, "SK".

<sup>4</sup> Place of issue.

<sup>5</sup> Date of issue.

<sup>6</sup> Name of the issuing authority.

<sup>7</sup> Stamp of the issuing authority.

<sup>8</sup> Signature of the representative of the issuing authority.

**Radar certificate**

(front side)

<p>.....</p> <p>issuing state</p> <p><b>Radar certificate</b></p> <p><i>(The whole text is duplicated in the official language of a certain state and in one of the official languages of the Danube Commission)</i></p>	<p>No .....<sup>9</sup></p>
--	-----------------------------

(reverse side)

<p>Mr / Mrs</p> <p>.....</p> <p>(first name and surname)</p> <p>born " " .....</p> <p>in .....</p> <p>is authorized to use radar for navigating vessel.</p> <p><i>(The whole text on the reverse side is duplicated in the official language of a certain state and in one of the official languages of the Danube Commission).</i></p>	<p>[photograph of the holder]</p> <p>issued in <sup>10</sup> .....</p> <p>" " .....<sup>11</sup></p> <p>.....<sup>12</sup></p> <p>.....<sup>14</sup></p> <p>.....</p> <p>(signature of the holder)</p>
--	---

stamp<sup>13</sup>

<sup>9</sup> Number on the list.

<sup>10</sup> Place of issue.

<sup>11</sup> Date of issue.

<sup>12</sup> Name of the issuing authority.

<sup>13</sup> Stamp of the issuing authority.

<sup>14</sup> Signature of the representative of the issuing authority.

**Annex B1****Minimum fitness requirements for applicants for the boatmaster's certificate****I. Eyesight**

1. Eyesight at daylight:  
With or without visual aids, at least 0,8 with both eyes or with the best eye.
2. Night blindness:  
Examination shall be done only in case of doubt. Mesotest without blinding at an intensity level of  $0.032 \text{ cd/m}^2$  shall be carried out, result: contrast 1:2,7.
3. Adaptation to darkness:  
Examination shall be done only in case of doubt. The result must not deviate by more than one LOG unit of the normal curve.
4. Sight range:  
Anomalies in the sight range of the best eye are not allowed. In case of doubt, a perimetric investigation shall be carried out.
5. Ability to distinguish colours:  
The colour distinction ability shall be considered sufficient when the candidate successfully passes *Farnsworth Panel D15* test or recognized test with colour panels. In case of doubt, test using the anomaloscope shall be made, where the Anomal quotient at a normal trichromasy must be between 0,7 and 1,4. Another test recognized as equivalent is allowed.  
Recognized methods with colour panels are:
  - a) Ishihara according to panels 12-14;
  - b) Stilling/Velhagen;
  - c) Boström;
  - d) HRR (result at least "mild");
  - e) TMC (result at least "second degree");
  - f) Holmer-Wright B (result 8 failures at most at "small").
6. Motility:  
No cross-eyedness.

## II. Hearing

Hearing is considered sufficient when the average hearing loss of both ears at the frequencies 500, 1000, 2000 and 3000 does not exceed 40 dB(A). If the 40 dB value is exceeded, the hearing ability may still be considered adequate, when conversational speech at 2 m distance is still being understood clearly using a hearing aid.

## III. There may be no other findings from medical examination that rule out physical fitness.

In case any of the following diseases or physical disorders occur, this may give rise to doubts regarding the physical fitness of the candidate:

1. Illnesses that involve consciousness or balance disorders;
2. Illnesses or lesions of the central and peripheral nervous system, showing clear functional disorders; in particular, organic illnesses of the brain or the spine and the respective side effects, functional disorders after skull or brain damage, cerebral blood circulation disorders;
3. Mental illnesses;
4. Diabetes (*Diabetes mellitus*), with considerable, not well controllable fluctuations of the blood sugar levels;
5. Manifest endocrine disorders;
6. Serious illnesses of the blood-producing organs;
7. Asthmatic bronchitis with seizures;
8. Illnesses or changes in the heart or blood circulation resulting in a decreased condition;
9. Illnesses or effects after an accident that lead to a considerable mobility impairment, loss or strong reduction of strength in one of the limbs that are important for the work to be carried out;
10. Chronic alcoholism, as well as drug addiction, or other types of addiction.

**Annex B2  
(model)**

**Medical certificate  
of fitness examination for navigating on the Danube**

Medical service for performance examination

**Medical certificate  
of fitness examination for navigating on the Danube**

tick  or enter appropriate

Surname, first name, surname and first name at birth, if necessary

Date and place of birth

Identity has been proved by

<b>I. Eyesight</b>	1. Eyesight at daylight						
	<input type="checkbox"/> without visual aids	left eye	right eye	<input type="checkbox"/> with visual aids	left eye	right eye	
	2. Night blindness*				<input type="checkbox"/> yes	<input type="checkbox"/> no	
	3. Adaptation to darkness* is sufficient				<input type="checkbox"/> yes	<input type="checkbox"/> no	
	4. Sight range without anomalies perimetric investigation*				<input type="checkbox"/> yes	<input type="checkbox"/> no	
	5. Colour distinction is sufficient to be tested with the anomaloscope*				<input type="checkbox"/> yes	<input type="checkbox"/> no	
	6. There is no motility				<input type="checkbox"/> yes	<input type="checkbox"/> no	
	Findings of medical examination				<input type="checkbox"/> satisfactory	<input type="checkbox"/> satisfactory with visual aids	<input type="checkbox"/> unsatisfactory
<b>II. Hearing</b>	Hearing loss does not exceed 40 dB(A) at the frequencies 500, 1000, 2000 and 3000 Hz		hearing aid	<input type="checkbox"/> no	<input type="checkbox"/> yes		
			left ear	<input type="checkbox"/> no	<input type="checkbox"/> yes		
			right ear	<input type="checkbox"/> no	<input type="checkbox"/> yes		
	Findings of medical examination				<input type="checkbox"/> satisfactory	<input type="checkbox"/> satisfactory with hearing aid	<input type="checkbox"/> unsatisfactory
<b>III. Diseases or physical disorders</b>	<b>Diseases or physical disorders</b>						
	Symptoms of any diseases or physical disorders, that rule out or limit physical fitness						
						<input type="checkbox"/> no	
						<input type="checkbox"/> yes	

**General conclusion**

- fit  
 limited fitness (list of conditions see on a reverse side)  
 limited fitness with hearing aid  
 limited fitness with visual aids  
 unfit

Place, date

Signature / seal / stamp

\* Examination shall be carried out only in case of doubt. Examination's requirements and methods see in Annex B1.



**Annex B3  
(model)**

**Certificate of fitness**

issuing authority

Place and date

.....

.....

**Certificate of fitness**

for the boatmaster's certificate for the Danube of type "A"/ of type "B"/  
of type "C"\*

№: .....

document\*\* .....

Mrs / Mr\*

.....

.....

(surname)

(first name)

Date of birth: .....

Place of birth: .....

The holder of the above boatmaster's certificate has provided proof of his fitness and is certified to navigate vessel on the Danube before the validity of the present certificate expires.

The present certificate is expired no later than" " .....

The present certificate is valid only with the boatmaster's certificate issued to the same person.

.....

(place of issue)

.....

(date of issue)

Reservations: \*\*\*

.....

(signature and stamp of issuing authority)

\* Delete as appropriate.

\*\* The type of the boatmaster's certificate pursuant to the Annex C1, indicating national state symbol, for instance, "SK ".

\*\*\* Only in cases stipulated by paragraph 2 of the article 2.19 of "Recommendations of the Danube Commission on boatmaster's certificates".

**Boatmaster's certificates referred to in paragraph 1 of the article 4.01**

**Radar certificates referred to in paragraph 4 of the article 4.01**

**Boatmaster's certificates recognized as equivalent**

Boatmaster's certificates issued in accordance with the Directive 96/50/EC and Directive 91/672/EEC, as well as patents issued in accordance with the Rhine Patent Regulations.

**Radar certificates recognized as equivalent**

Radar certificates issued in accordance with the Directive 96/50/EC and Directive 91/672/EEC, as well as radar patents issued in accordance with the Rhine Patent Regulations.

**Examination programme for checking general knowledge of the applicant for  
obtaining boatmaster's certificate**

**Preliminary remarks:**

**Types of certificates**

- A. Boatmaster's certificate of type "A"
- B. Boatmaster's certificate of type "B"

**Knowledge required (column 3 and column 4)**

- 1 – detailed knowledge;
- 2 – general knowledge.

<b>№</b>	<b>Subjects to be checked</b>	<b>A</b>	<b>B</b>
1	2	3	4
1.	<b>Knowledge of the rules, leaflets and guidelines</b>		
1.1	<b>"General Provisions for the Navigation on the Danube" (GPND/DFND)</b> Chapters 1-10	1	1
	<b>Annexes:</b>		
	1. Distinguishing letter or group of letters indicating country of vessel's home port or place of registration.	2	2
	2. Draught scales on inland waterway vessels.	1	1
	3. Visual signals (marking) on vessels.	1	1
	4. Lights and the colour of signal lights on vessels.	2	2
	5. Intensity and range of signal lights on vessels.	2	2
	6. Sound signals.	1	1
	7. Waterway signs and marking.	1	1
	8. Buoyage and marking of waterways.	1	1
	9. Used-oil log ( <i>model</i> )	2	2
	10. General technical specifications applicable to radar equipment	2	2
	"Local Rules of navigation on the Danube (special provisions)"	1	1

№	Subjects to be checked	A	B
1	2	3	4
	<b>Special provisions/ guidelines</b> Special temporary provisions "Manual on radiotelephone service on navigable inland waterways, General part and Regional part - Danube". "Recommendations on collection of wastes from vessels navigating on the Danube"	1 2 2	1 2 2
1.2	<b>Navigation requirements for the waterways of maritime character</b> (visual signals (marking) on vessels, sound signals, waterway signs and marking, maritime signs and buoyage and marking system of waterways, rules of navigation)	1	
1.3	<b>"Recommendations on technical requirements for inland waterway vessels" and "Danube vessels inspection regulations"</b> Structure and content Contents of the vessel's certificate Requirements concerning crews, Chapter 23	2 2 1	2 2 1
1.4	<b>" Regulations concerning carriage of dangerous goods by inland waterways (ADN)"</b> Structure Certificates / instructions Knowledge of required visual signals (marking) (blue cones / lights) Search for technical requirements	2 2 1 2	2 2 1 2
1.5	<b>"Recommendations of the Danube Commission on boatmaster's certificates"</b> Types of boatmaster's certificates Criteria for revocation and suspension of boatmaster's certificates	2 1	2 1
1.6	<b>Accidents prevention</b>	1	1
2.	<b>Nautical and sections knowledge</b> using navigational charts		
2.1	<b>Danube and navigable tributaries</b> Essential geographical, hydrological, meteorological and morphological characteristics	2	2

<b>№</b>	<b>Subjects to be checked</b>	<b>A</b>	<b>B</b>
1	2	3	4
2.2	<b>Knowledge of the requested Danube sections</b> Description of route upstream and downstream Parameters of the route	1 1	1 1
3.	<b>Professional knowledge</b> Navigation, technical operation of vessel, professional skills		
3.1	<b>Vessel handling</b> Handling processes, maneuvering characteristics Functioning of the rudder and propeller Effect of wind, current and suction Buoyancy, stability and their practical application Anchoring and mooring	1 1 1 1 1	1 1 1 1 1
3.2	<b>Knowledge of engines</b> Design, engines operating principle, functioning of electrical equipment Maintenance, operation checking Actions to be taken in case of disorder	2 2 2	2 2 2
3.3	<b>Loading and unloading</b> Determination of the loading weight using the certificate of measurement Use of draught marks Stowage of cargo	1 1 1	1 1 1
3.4	<b>Passenger vessel</b> Special provisions for passenger vessels Special provisions for high speed vessels	1 1	1 1
3.5	<b>Action in special circumstances</b> Measures to be taken in the event of accident, first aid, plugging of leaks Use of rescue apparatus and equipment Specific measures for maritime accidents Waste management and pollution prevention Informing competent authorities Fire fighting measures	1 1 1 1 1 1	1 1 1 1 1 1

<b>№</b>	<b>Subjects to be checked</b>	<b>A</b>	<b>B</b>
1	2	3	4
3.6	<b>Vessel design and stability</b> Basic principles of vessel design, particularly as relates to the safety of passengers, crew and vessel Basic principles of the main structural elements of the vessel	2  2	2  2

## Examination programme for obtaining radar certificate

### Part A – Theoretical part

#### 1. Radar theory

- 1.1 Electromagnetic waves, general information.
- 1.2 Velocity of electromagnetic waves.
- 1.3 Reflection of electromagnetic waves (radar reflectors).
- 1.4 Radar operating mode.
- 1.5 Parameters of the radar navigation equipment for inland navigation.
  - 1.5.1 Frequency range.
  - 1.5.2 Transmission power.
  - 1.5.3 Duration of transmitted pulses.
  - 1.5.4 Antenna speed.
  - 1.5.5 Antenna parameters.
  - 1.5.6 Image indicators (image and mode of utilization).
  - 1.5.7 Diameter of screen indicator.
  - 1.5.8 Range scales.
  - 1.5.9 Short-distance resolution.
  - 1.5.10 Distance resolution.
  - 1.5.11 Angular resolution.

#### 2. Interpretation of the radar image

- 2.1 Antenna position on the display, heading line.
- 2.2 Positioning, bearing and turning of the own vessel.
- 2.3 Determination of intervals and distances.
- 2.4 Detecting conduct of other traffic participants (stationary, meeting vessels or vessels sailing abreast).
- 2.5 Meaning of additional indication for the evaluation of the radar image (heading line, range circles, image fading, off-centering).
- 2.6 Limits of information supplied by radar.
- 2.7 Differences between traditional image indicator and indicator providing image for daylight conditions.

#### 3. Interferences on the radar image

- 3.1 Interferences caused by the own vessel and possible measures for their reducing.
  - 3.1.1 Segmentation of the antenna sector.

- 3.1.2 Closed sectors (blind zone).
- 3.1.3 Multiple reflection (for instance, in holds).
- 3.2 Interferences caused by the environment and possible measures for their reducing.
  - 3.2.1 Interferences caused by atmospheric precipitations.
  - 3.2.2 Area of scattered signal (for instance, near the bridge).
  - 3.2.3 Multiple reflections.
  - 3.2.4 Echoes.
  - 3.2.5 Closed sectors (blind zone).
  - 3.2.6 Transmission/multipath transmission
- 3.3 Nature of interferences caused by the other radars and measures for their elimination.

#### **4. Methods of radar operating**

- 4.1 Starting time and operating mode.
- 4.2 Main settings, pre-sets.
- 4.3 Brilliance and contrast setting.
- 4.4 Gain setting.
- 4.5 Fading and filters setting.
- 4.6 Interpretation of image quality.

#### **5. Rotation-speed indicators**

- 5.1 Operating mode.
- 5.2 Application possibilities.

#### **6. Special Police regulations**

- 6.1 Use of radio communication, sound signals, course coordination.
- 6.2 Minimum vessels' equipment for navigating by radar.
- 6.3 Minimum number of crew members and qualification required for navigating by radar.

**Part B – Practical part****1. Actions to be undertaken before casting off**

- 1.1 Switching, setting and checking operation mode of devices.
- 1.2 Interpretation of the radar image.
- 1.3 Distribution of tasks on board.

**2. Navigation using the radar**

- 2.1 Navigation and turning in still or running water.
- 2.2 Entering to the port or narrow basin – leaving the port or narrow basin upon course coordination using radio communication and sound signals.
- 2.3 Crossing when meeting and overtaking.
- 2.4 Berthing in a certain place.
- 2.5 Interpretation of the radar image.
- 2.6 Giving instructions to the helmsman related to the steering vessel.
- 2.7 Conduct in an emergency (for instance, dangerous situations during navigation or failure of devices).

**Catalogue of subjects for examination of sections knowledge**

*(From this Catalogue of subjects at least three subjects must be asked for each section, while at least two of three subjects must be answered correctly)*

German section:

Austrian section: *(see below)*

Slovak section:

Hungarian section:

Croatian section:

Serbian section:

Bulgarian section:

Romanian section:

Section of the Republic of Moldova:

Ukrainian section:

**Types of boatmaster's certificates for the Danube (models)****Germany****Austria****Slovakia****Hungary****Croatia****Serbia****Bulgaria****Romania****Republic of Moldova****Ukraine****Russia**

**Radar certificates for the Danube (models)****Germany****Austria****Slovakia****Hungary****Croatia****Serbia****Bulgaria****Romania****Republic of Moldova****Ukraine****Russia**

**List of competent authorities issuing boatmasters certificates****Germany****Austria****Slovakia****Hungary****Croatia****Serbia****Bulgaria****Romania****Republic of Moldova****Ukraine****Russia**