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**Diplomatic Conference for the Adoption
of a European Agreement concerning
the International Carriage of Dangerous Goods
by Inland Waterway (ADN) */**
(Geneva, 22-26 May 2000,
agenda item 8 (a))

**CONSIDERATION OF A DRAFT EUROPEAN AGREEMENT
CONCERNING THE INTERNATIONAL CARRIAGE
OF DANGEROUS GOODS BY INLAND WATERWAY (ADN) **/**

Annex C

*/ Organized jointly by the Economic Commission for Europe and the Central Commission for the Navigation of the Rhine (CCNR).

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Annex C

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CHAPTER 1

PROCEDURE FOR THE ISSUE OF THE CERTIFICATE OF APPROVAL

Certificates of approval shall conform to the requirements set out in marginals 10 282 and 10 283 of Annex B.1, or marginals 210 282 and 210 283 of Annex B.2 of these Regulations. They shall be issued in accordance with the following procedure:

1.1 Issue and recognition of certificates of approval

1.1.1 *Certificate of approval*

1.1.1.1 The certificate of approval referred to in marginal 10 282 or 210 282 shall be issued by the competent authority of the Contracting Party where the vessel is registered, or in its absence, of the Contracting Party where it has its home port or, in its absence, of the Contracting Party where the owner is domiciled or in its absence, by the competent authority selected by the owner or his representative.

The other Contracting Parties shall recognize such certificates of approval.

The period of validity, which shall not exceed five years, shall be entered in the certificate of approval.

1.1.1.2 The competent authority of any of the Contracting Parties may request the competent authority of any other Contracting Party to issue a certificate of approval in its stead.

1.1.1.3 The competent authority of any of the Contracting Parties may delegate the authority to issue the certificate of approval to an inspection body as defined in 1.3.

1.1.2 *Provisional certificate of approval*

The provisional certificate of approval referred to in marginal 10 283 or in marginal 210 283 shall be issued by the competent authority of one of the Contracting Parties for the cases and under the conditions referred to in these marginals.

The other Contracting Parties shall recognize such provisional certificates of approval.

1.2 Inspection procedure

1.2.1 The competent authority of the Contracting Party shall supervise the inspection of the vessel. Under this procedure, the inspection may be performed by an inspection body designated by the Contracting Party or by a recognized classification society. The inspection body or the recognized classification society shall issue an inspection report certifying that the vessel conforms partially or completely to the provisions of these Regulations.

1.2.2 This inspection report shall be drawn up in a language accepted by the competent authority and shall contain all the necessary information to enable the certificate to be drawn up.

1.3 Inspection body

1.3.1 Inspection bodies shall be subject to recognition by the Contracting Party administration as expert bodies on the construction and inspection of inland navigation vessels and as expert bodies on the transport of dangerous goods by inland waterway. They shall meet the following criteria:

- Compliance by the body with the requirements of impartiality;

- Existence of a structure and personnel that provide objective evidence of the professional ability and experience of the body;
- Compliance with the material contents of standard EN 45004: 1995 supported by detailed inspection procedures.

1.3.2 Inspection bodies may be assisted by experts (e.g. an expert in electrical installations) or specialized bodies according to the national provisions applicable (e.g. classification societies).

1.3.3 The Administrative Committee shall maintain an up-to-date list of the inspection bodies appointed.

1.4 Application for the issue of a certificate of approval

The owner of a vessel, or his representative, who requests a certificate of approval, shall deposit an application with the competent authority referred to in 1.1.1.1. The competent authority shall specify the documents to be submitted to it. In order to obtain a certificate of approval a valid vessel certificate shall accompany the request.

1.5 Particulars entered in the certificate of approval and amendments thereto

1.5.1 The owner of a vessel, or his representative, shall inform the competent authority of any change in the name of the vessel or change of official number or registration number and shall transmit to it the certificate of approval for amendment.

1.5.2 All particulars or amendments to the certificate of approval provided for in these Regulations and in the other regulations drawn up by mutual agreement by the Contracting Parties may be entered in the certificate by the competent authority.

1.5.3 When the owner of the vessel, or his representative, has the vessel registered in another Contracting Party, he shall request a new certificate of approval from the competent authority of that Contracting Party. The competent authority may issue the new certificate for the remaining period of validity of the existing certificate without making a new inspection of the vessel, provided that the state and the technical specifications of the vessel have not undergone any modification.

1.6 Presentation of the vessel for inspection

1.6.1 The owner, or his representative, shall present the vessel for inspection unladen, cleaned and equipped; he shall be required to provide such assistance as may be necessary for the inspection, such as providing a suitable launch and personnel, and uncovering those parts of the hull or installations which are not directly accessible or visible.

1.6.2 In the case of a first, special or periodical inspection, the inspection body or the recognized classification society may require a dry-land inspection.

1.7 First inspection

If a vessel does not yet have a certificate of approval or if the validity of the certificate of approval expired more than six months ago, the vessel shall undergo a first inspection.

1.8 Special inspection

If the vessel's hull or equipment has undergone alterations liable to diminish safety in respect of the carriage of dangerous goods, or has sustained damage affecting such safety, the vessel shall be presented without delay by the owner or his representative for further inspection.

1.9 Periodic inspection and renew of the certificate of approval

1.9.1 To renew the certificate of approval, the owner of the vessel, or his representative, shall present the vessel for a periodic inspection. The owner of the vessel or his representative may request an inspection at any time.

1.9.2 If the request for a periodic inspection is made during the last year preceding the expiry of the validity of the certificate of approval, the period of validity of the new certificate shall commence when the validity of the preceding certificate of approval expires.

1.9.3 A periodic inspection may also be requested during a period of six months after the expiry of the certificate of approval.

1.9.4 The competent authority shall establish the period of validity of the new certificate of approval on the basis of the results of the inspection.

1.10 Extension of the certificate of approval without an inspection

By derogation from 1.9, at the substantiated request of the owner or his representative, the competent authority may grant an extension of the validity of the certificate of approval of not more than one year without an inspection. This extension shall be granted in writing and shall be kept on board the vessel. Such extensions may be granted only once every two validity periods.

1.11 Official inspection

1.11.1 If the competent authority of a Contracting Party has reason to assume that a vessel which is in its territory may constitute a danger in relation to the transport of dangerous goods, for the persons on board or for shipping or for the environment, it may order an inspection of the vessel in accordance with 1.2.

1.11.2 When exercising this right to inspect, the authorities will make all possible efforts to avoid unduly detaining or delaying a vessel. Nothing in this Agreement affects rights relating to compensation for undue detention or delay. In any instance of alleged undue detention or delay the burden of proof shall lie with the owner or operator of the vessel.

1.12 Withholding and return of the certificate of approval

1.12.1 When an inspection body or a classification society observes, in the course of an inspection, that a vessel or its equipment suffers from serious defects in relation to dangerous goods which might jeopardize the safety of the persons on board or the safety of shipping, or constitute a hazard for the environment, it shall immediately notify the competent authority to which it answers with a view to a decision to withhold the certificate.

If this authority which decided to withdraw the certificate is not the authority which issued the certificate, it shall immediately inform the latter and, where necessary, return the certificate to it if it presumes that the defects cannot be eliminated in the near future.

1.12.2 When the inspection body or the classification society referred to in 1.12.1 above ascertains, by means of a special inspection according to 1.8, that these defects have been remedied, the certificate of approval shall be returned by the competent authority to the owner or to his representative.

This inspection may be made at the request of the owner or his representative by another inspection body or another classification society. In this case, the certificate of approval shall be returned through the competent authority to which the inspection body or the classification society answers.

1.12.3 When a vessel is finally immobilized or scrapped, the owner shall send the certificate of approval back to the competent authority which issued it.

1.13 Duplicate copy

In the event of the loss, theft or destruction of the certificate of approval or when it becomes unusable for other reasons, an application for a duplicate copy, accompanied by appropriate supporting documents, shall be made to the competent authority which issued the certificate.

This authority shall issue a duplicate copy of the certificate of approval, which shall be designated as such.

1.14 Register of certificates of approval

1.14.1 The competent authorities shall assign a serial number to the certificates of approval which they issue. They shall keep a register of all the certificates issued.

1.14.2 The competent authorities shall keep copies of all the certificates which they have issued and enter all particulars and amendments in them, as well as cancellations and replacements of certificates.

CHAPTER 2

RECOGNITION OF CLASSIFICATION SOCIETIES

2.1 General

In the event of the conclusion of an international agreement concerning more general regulations for the navigation of vessels on inland waterways and containing provisions relating to the full range of activities of classification societies and their recognition, any provision of this Chapter in contradiction with any of the provisions of the said international agreement would, in the relations among Parties to this Agreement which had become parties to the international agreement and as from the day of the entry into force of the latter, automatically be deleted and replaced ipso facto by the relevant provision of the international agreement. This Chapter would become null and void once the international agreement came into force if all Parties to this Agreement became Parties to the international agreement.

2.2 Procedure for the recognition of classification societies

2.2.1 A classification society which wishes to be recommended for recognition under this Agreement shall submit its application for recognition, in accordance with the provisions of this chapter, to the competent authority of a Contracting Party.

The classification society shall prepare the relevant information in accordance with the provisions of this chapter. It shall produce it in, at least, an official language of the State where the application is submitted and in English.

The Contracting Party shall forward the application to the Administrative Committee unless in its opinion the conditions and criteria referred to in 4.3 have manifestly not been met.

2.2.2 The Administrative Committee shall appoint a Committee of Experts. The composition of the Committee of Experts and its rules of procedure shall be determined by the Administrative Committee. This Committee of Experts shall consider the proposal; it shall determine whether the classification society meets the criteria set out in 2.3 and shall make a recommendation to the Administrative Committee within a period of six months.

2.2.3. The Administrative Committee shall examine the report of the experts. It shall decide in accordance with the procedure set out in Article 17, 7(c), within one year maximum, whether or not to recommend to the Contracting Parties that they should recognize the classification society in question. The Administrative Committee shall establish a list of the classification societies recommended for recognition by the Contracting Parties.

2.2.4 Each Contracting Party may or may not decide to recognize the classification societies in question, only on the basis of the list referred to in 2.2.3. The Contracting Party shall inform the Administrative Committee and the other Contracting Parties of its decision.

The Administrative Committee shall update the list of recognitions issued by Contracting Parties.

2.2.5 If a Contracting Party considers that a classification society no longer meets the conditions and criteria set out in 2.3, it may submit a proposal to the Administrative Committee for withdrawal from the list of recommended societies. Such a proposal shall be substantiated by convincing evidence of a failure to meet the conditions and criteria.

2.2.6 The Administrative Committee shall set up a new Committee of Experts following the procedure set out under 2.2.2 which shall report to the Administrative Committee within a period of six months.

2.2.7 The Administrative Committee may decide, according to Article 17, 7 (c), to withdraw the name of the society in question from the list of societies recommended for recognition.

In such a case the society in question shall immediately be so informed. The Administrative Committee shall also inform all the Contracting Parties that the classification society in question no longer meets the requirements to act as a recognized classification society in the context of the Agreement and shall invite them to take the necessary steps in order to remain in conformity with the requirements of the Agreement.

2.3 Conditions and criteria for the recognition of a classification society applying for recognition under this Agreement

A classification society applying for recognition under this Agreement shall meet all the following conditions and criteria:

2.3.1 A classification society shall be able to demonstrate extensive knowledge of and experience in the assessment of the design and construction of inland navigation vessels. The society should have comprehensive rules and regulations for the design, construction and periodical inspection of vessels. These rules and regulations shall be published and continuously updated and improved through research and development programmes.

2.3.2 Registers of the vessels classified by the classification society shall be published annually.

2.3.3 The classification society shall not be controlled by shipowners or shipbuilders, or by others engaged commercially in the manufacture, fitting out, repair or operation of ships. The classification society shall not be substantially dependent on a single commercial enterprise for its revenue.

2.3.4 The headquarters or a branch of the classification society authorized and entitled to give a ruling and to act in all areas incumbent on it under the regulations governing inland navigation shall be located in one of the Contracting Parties.

2.3.5 The classification society and its experts shall have a good reputation in inland navigation; the experts shall be able to provide proof of their professional abilities.

2.3.6 The classification society:

- shall have sufficient professional staff and engineers for the technical tasks of monitoring and inspection and for the tasks of management, support and research, in proportion to the tasks and the number of vessels classified and sufficient to keep regulations up to date and develop them in the light of quality requirements;
- shall have experts in at least two Contracting Parties.

2.3.7 The classification society shall be governed by a code of ethics.

2.3.8 The classification society shall have prepared and implemented and shall maintain an effective system of internal quality based on the relevant aspects of internationally recognized quality standards and conforming to the standards EN: 45004: 1995 (control mechanisms) and ISO 9001 or EN 29001: 1997. The classification society is subject to certification of its quality system by an independent body of auditors recognized by the administration of the State in which it is located.

2.4 Obligations of recommended classification societies

2.4.1 Recommended classification societies shall undertake to cooperate with each other so as to guarantee the equivalence of their technical standards and their implementation.

2.4.2 Recommended classification societies shall undertake to bring their requirements into line with the present and future provisions of this Agreement.

CHAPTER 3

PROCEDURE FOR EQUIVALENTS AND DEROGATIONS

3.1 Procedure for equivalents

When the provisions of these Regulations prescribe for a vessel the use or the presence on board of certain materials, installations or equipment or the adoption of certain construction measures or certain fixtures, the competent authority may agree to the use or the presence on board of other materials, installations or equipment or the adoption of other construction measures or other fixtures for this vessel if, in line with recommendations established by the Administrative Committee, they are accepted as equivalent.

3.2 Derogations on a trial basis

The competent authority may, on the basis of a recommendation by the Administrative Committee, issue a trial certificate of approval for a limited period for a specific vessel having new technical characteristics departing from the requirements of these Regulations, provided that these characteristics are sufficiently safe.

3.3 Particulars of equivalents and derogations

The equivalents and derogations referred to in 3.1 and 3.2 shall be entered in the certificate of approval.

CHAPTER 4

SPECIAL AUTHORIZATIONS CONCERNING TRANSPORT IN TANK VESSELS

4.1 Special authorizations

4.1.1 In accordance with paragraph 2 of Article 7, the competent authority shall have the right to issue special authorizations to a carrier or a shipper for the international carriage in tank vessels of dangerous substances, including mixtures, the carriage of which in tank vessels is not authorized under these Regulations, in accordance with the procedure set out below.

4.1.2 The special authorization shall be valid, due account being taken of the restrictions specified therein, for the Contracting Parties and on whose territory the transport operation will take place, for not more than two years but subject to repeal at an earlier date. With the approval of the Competent authorities of these Contracting Parties, the special authorization may be renewed for a period of not more than one year.

4.1.3 The special authorization shall include a statement concerning its repeal at an earlier date and shall conform to the model given in these Regulations.

4.2 Procedure

4.2.1 The carrier or the shipper shall apply to the competent authority of a Contracting Party on whose territory the transport operation takes place for the issue of a special authorization.

The application shall include the particulars mentioned in these Regulations. The applicant shall be responsible for the accuracy of the particulars.

4.2.2 The competent authority shall consider the application from the technical and safety point of view. If it has no reservations, it shall draw up a special authorization applying the criteria laid down in these Regulations and immediately inform the other competent authorities involved in the carriage in question. The special authorization shall be issued only when the authorities concerned agree to it or have not expressed opposition within a period of two months after receiving the information. The applicant shall receive the original of the special authorization and keep a copy of it on board the vessel(s) involved in the carriage in question. The competent authorities shall immediately communicate to the Administrative Committee the applications for special authorizations, the applications rejected and the special authorizations granted.

4.2.3 If the special authorization is not issued because doubts or opposition have been expressed, the Administrative Committee shall decide whether or not to issue a special authorization.

4.3 Update of the list of substances authorized for carriage in tank vessels

4.3.1 The Administrative Committee shall consider all the special authorizations and applications communicated to it and decide whether the substance is to be included in the list of substances in these Regulations, authorized for carriage in tank vessels.

4.3.2 If the Administrative Committee enters technical or safety reservations concerning the inclusion of the substance in the list of substances of these Regulations authorized for carriage in tank vessels or concerning certain conditions, the competent authority shall be so informed. The competent authority shall immediately withdraw or, if necessary, modify the special authorization.

CHAPTER 5

MONITORING THE CARRIAGE OF DANGEROUS GOODS BY INLAND WATERWAY

5.1 Monitoring compliance with requirements

Contracting Parties shall ensure that a representative proportion of consignments of dangerous goods carried by inland waterway is subject to monitoring in accordance with the provisions of this Chapter.

5.2 Monitoring procedure

5.2.1 In order to carry out the checks provided for in this Agreement, the Contracting Parties shall use the checklist to be developed by the Administrative Committee. A copy of this checklist or a certificate showing the result of the check drawn up by the competent authority which carried it out shall be given to the master of the vessel and presented on request in order to simplify or avoid, where possible, subsequent checks. This paragraph shall not prejudice Contracting Parties' right to carry out specific measures for detailed checks.

5.2.2 The checks shall be random and shall as far as possible cover an extensive portion of the inland waterway network.

5.2.3 When exercising the right to monitor, the authorities shall make all possible efforts to avoid unduly detaining or delaying a vessel.

5.3 Infringements or requirements

Without prejudice to other penalties which may be imposed, vessels in respect of which one or more infringements of the rules on the transport of dangerous goods are established may be detained at a place designated for this purpose by the authorities carrying out the check and required to be brought into conformity before continuing their journey or may be subject to other appropriate measures, depending on the circumstances or the requirements of safety.

5.4 Checks in companies and at places of loading and unloading

5.4.1 Checks may be carried out at the premises of undertakings, as a preventive measure or where infringements which jeopardize safety in the transport of dangerous goods have been recorded during the voyage.

5.4.2 The purpose of such checks shall be to ensure that safety conditions for the transport of dangerous goods by inland waterway comply with the relevant laws.

5.5 Sampling

Where appropriate and provided that this does not constitute a safety hazard, samples of the goods transported may be taken for examination by laboratories recognized by the competent authority.

5.6 Cooperation of the competent authorities

5.6.1 Contracting Parties shall assist one another in order to give proper effect to these requirements.

5.6.2 Serious or repeated infringements jeopardizing the safety of the transport of dangerous goods committed by a foreign vessel or undertaking shall be reported to the competent authority in the Contracting Party where the certificate of approval of the vessel was issued or where the undertaking is established.

5.6.3 The competent authority of the Contracting Party where serious or repeated infringements have been recorded may ask the competent authority of the Contracting Party where the certificate of approval of the vessel was issued or where the undertaking is established for appropriate measures to be taken with regard to the offender or offenders.

5.6.4 The latter competent authority shall notify the competent authorities of the Contracting Party where the infringements were recorded of any measures taken with regard to the offender or offenders.

5.7 Administrative assistance during the checking of a foreign vessel

If the findings of a check on a foreign vessel give grounds for believing that serious or repeated infringements have been committed which cannot be detected in the course of that check in the absence of the necessary data, the competent authorities of the Contracting Parties concerned shall assist one another in order to clarify the situation.

CHAPTER 6

TRAINING AND EXAMINATION OF EXPERTS

The following provisions are applicable to the approval of expert training courses in accordance with marginals 10 315 of Annex B.1 and 210 315, 210 317 and 210 318 of Annex B.2 of these Regulations.

The purpose of the training courses is to provide persons who are to work as experts and persons wishing to obtain the certificate showing that they have completed a training course on the transport of dangerous goods by inland waterway with the necessary theoretical and practical knowledge, in accordance with marginals 10 315 or 210 315, 210 317 and 210 318.

6.1. Training

6.1.1 General

Special knowledge shall be acquired through initial theoretical and practical training. Theoretical knowledge shall be tested by means of an examination concerning these Regulations.

Training shall recommence before the expiry of the period referred to in marginals 10 315 (5), 210 315 (5), 210 317 (5) or 210 318 (5).

6.1.2 Organization of training and subjects

6.1.2.1 Organization

Basic courses and refresher and further training courses shall be organized in accordance with marginals 10 315 or 210 315, while specialization courses shall be organized in accordance with marginals 210 317 and 210 318. The courses referred to in marginals 10 315 or 210 315 may have three variants: transport of dry cargo, transport in tankers and combined transport of dry cargo using tankers.

6.1.2.2 Basic course and refresher and further training courses

Basic course on the transport of dry cargo

Prior training: none

Knowledge: ADN in general, Annexes A and B.1

Authorized for: vessels carrying dry cargo only

Basic course on transport by tanker

Prior training: none

Knowledge: ADN in general, Annexes A, B.1 and B.2 (excluding marginals 311 000-320 999 and 321 000-330 999)

Authorized for: type N tankers only

Combined basic course dry cargo and transport in tankers

Prior training: none

Knowledge: ADN in general, Annexes A, B.1 and B.2 (excluding marginals 311 000-320 999 and 321 000-330 999)

Authorized for: dry cargo vessels and type N tankers

Specialization course in gases

Prior training: basic tanker or combined training

Knowledge: ADN, Annex B.2, marginals 311 000-320 999

Authorized for: tankers of types N and G

Specialization course in chemicals

Prior training: basic tanker or combined training

Knowledge: ADN, Annex B.2, marginals 321 000-330 999

Authorized for: tankers of types N and C

6.1.2.3 Refresher and further training courses based on the certified basic courses referred to in paragraph 6.1.2.2

Prior training: Valid ADN certificate referred to in paragraph 6.1.2.2 with a refresher course in accordance with marginals 10 315, 210 315, 10 315/210 315, 210 317 or 210 318.

6.2. Purpose and content of training course

6.2.1 The following provisions are applicable to the approval of the expert training courses in accordance with marginal 10 315 or marginals 210 315, 210 317 and 210 318.

6.2.2 The purpose of the training courses is to provide the theoretical and practical knowledge referred to in 6.1.2.

6.2.2.1 Initial training

The following periods of training are to be completed:

basic training course on dry cargo vessels: 24 lessons of 45 minutes each

basic training course on tankers: 24 lessons of 45 minutes each

combined basic training course: 32 lessons of 45 minutes each

specialization course on gases: 16 lessons of 45 minutes each

specialization course on chemicals: 16 lessons of 45 minutes each

One day's training may comprise a maximum of eight lessons.

If theoretical training is by correspondence, equivalences with the above-mentioned lessons shall be determined. Training by correspondence must be completed within nine months.

Approximately 30% of basic training shall be devoted to practical exercises. These practical exercises shall if possible be completed during the theoretical training period; in any event, they shall take place not more than three months following the completion of theoretical training.

6.2.2.2 Refresher and further training courses

Additional training courses are intended to refresh existing knowledge and provide information on new developments in the technical and legal fields and in relation to subject matter.

These courses shall take place before the expiry of the period referred to in marginal 10 315 (5) or, where pertinent, in marginals 210 315 (5), 210 317 (5) and 210 318 (5).

The duration of training courses shall be as follows:

Basic refresher course:

- dry cargo vessels 16 lessons of 45 minutes each

- tankers 16 lessons of 45 minutes each

- combined dry cargo vessels and tankers 16 lessons of 45 minutes each

Specialization refresher course on gases: 8 lessons of 45 minutes each

Specialization refresher course on chemicals: 8 lessons of 45 minutes each

Each day of training may comprise not more than eight lessons.

If the theoretical training is by correspondence, equivalences to the above-mentioned lessons shall be determined. Training by correspondence shall be completed within a period of nine months.

Approximately 50% of basic training shall be devoted to practical exercises. Practical exercises shall, where possible, be undertaken during the period of theoretical training; in any event, they shall be completed not later than three months following the completion of theoretical training.

6.3. Approval of training courses

6.3.1 Training courses shall be approved by the competent authority.

6.3.2 Approval shall be granted only on written application. Application for approval may be made by individuals or corporate entities.

Applications for approval shall be accompanied by:

- (a) the detailed course curriculum showing the course topics and the length of time to be devoted to them, as well as the teaching method envisaged;
- (b) the roster of teaching staff, listing their qualifications and the subjects to be taught by each one;
- (c) information on classrooms and teaching materials, as well as on the facilities available for practical exercises;
- (d) enrolment requirements.

The competent authority may ask for additional information or documents concerning the qualifications of teachers particularly with regard to adult education.

6.3.3 The competent authority may, where it deems necessary, require amendments to be made to the documents relating to the approval application.

6.3.4 Granting of approval

6.3.4.1 The competent authority shall grant approval in writing. Such approval shall be subject to the following conditions, inter alia:

- training courses shall conform to the information accompanying the application for approval;
- the competent authority may send inspectors to attend training courses;
- the timetables for the various training courses shall be notified in advance to the competent authority;
- approval may be withdrawn in the event of failure to abide by the approval conditions.

The approval document shall indicate whether the course in question is a basic training course, a specialized course or a refresher and further training course.

6.3.4.2 If, after approval is granted, the organizer of the training course wishes to change conditions affecting the approval, he shall seek the prior agreement of the competent authority. This provision shall apply in particular to the replacement of serving teachers and amendments to syllabuses.

6.4. Conduct of training courses

6.4.1 Training courses shall take account of the current developments in the various subjects taught. The course organizer shall be responsible for ensuring that recent developments are brought to the attention of, and properly understood by, teachers.

6.4.2 Training courses shall be as practically oriented as possible. Course syllabuses shall be based on the subjects listed in 6.1.2. Basic training courses shall also comprise a practical component (see 6.2.2 above).

6.4.3 During the refresher and further training courses, exercises and tests should ensure that the participant has taken an active part in the course.

6.5. Examinations

6.5.1 Basic training courses

After initial training, including practical exercises, an ADN basic training examination shall be taken. This examination shall be held either immediately after the training courses or within six months following the completion of such courses.

The list of questions drawn up by the competent authority should be used for this purpose.

Candidates shall be asked 30 questions. The examination shall last 60 minutes. It is deemed to have been passed if at least 25 of the 30 questions have been answered correctly. During the examination, candidates may consult the texts of regulations on dangerous goods.

Each competent authority shall determine the conditions of the ADN examination on the basis of the programme described in marginals 10 315 (3) or 210 315 (3) of Annex 1 and the list of questions drawn up by the competent authority.

6.5.2 Specialization course on gases and chemicals

Candidates who are successful in the ADN basic training examination may apply for enrolment in a “gases” and/or “chemicals” specialization course, to be followed by an examination. The examination shall be based on the competent authority’s list of questions.

The candidate is to be asked 30 multiple-choice questions and one substantive question. The examination shall last a total of 120 minutes, of which 60 minutes for the multiple-choice questions and 60 minutes for the substantive question.

The examination shall be marked out of a total of 60, of which 30 marks will go to the multiple-choice questions (one mark per question) and 30 to the substantive question (the distribution of marks is left to the appreciation of the competent authority). A total of 44 marks must be achieved to pass. However, not less than 20 marks must be obtained in each subject. If the candidate obtains 44 but does not achieve 20 in one subject, the subject in question may be set in a resit.

The texts of regulations and technical literature are permitted during the examination.

Each competent authority shall determine the conditions of the examination on the basis of the programme described in marginal 210 317 (3) or 210 318 (3) and the competent authority's list of questions.

6.6. ADN specialized knowledge certificate

The issue and renewal of the ADN specialized knowledge certificate conforming to model No. 3 of Annex B.1, Appendix 1, or model No. 3 of Annex B.2, Appendix 1, shall be the responsibility of the competent authority.

Certificates shall be issued to:

- candidates who have attended a basic training course and have passed the ADN examination;
- candidates who have taken part in a refresher or further training course.

The validity of the “gases” and/or “chemicals” specialized training certificate shall be brought into line with the validity of the basic training certificate.

If the training was not completed before the expiry of the period of validity of the certificate, a new certificate shall not be issued until the candidate has completed a further initial basic training course and passed an ADN examination or an examination referred to in 6.5.2.
