Chapter V

INTERNATIONAL LIABILITY FOR INJURIOUS CONSEQUENCES ARISING OUT OF ACTS NOT PROHIBITED BY INTERNATIONAL LAW (PREVENTION OF TRANSBOUNDARY HARM FROM HAZARDOUS ACTIVITIES)

A. Introduction

78. The Commission, at its thirtieth session (1978), included the topic “International liability for injurious consequences arising out of acts not prohibited by international law” in its programme of work and appointed Robert Q. Quentin-Baxter Special Rapporteur. 843

79. The Commission, from its thirty-second (1980) to its thirty-sixth sessions (1984), received and considered five reports from the Special Rapporteur. 844 The reports sought to develop a conceptual basis and schematic outline for the topic and contained proposals for five draft articles. The schematic outline was set out in the Special Rapporteur’s third report to the thirty-fourth session of the Commission (1982). The five draft articles were proposed in the Special Rapporteur’s fifth report to the thirty-sixth session of the Commission. They were considered by the Commission, but no decision was taken to refer them to the Drafting Committee.

80. The Commission, at its thirty-sixth session, also had before it the following materials: the replies to a questionnaire addressed in 1983 by the Legal Counsel of the United Nations to 16 selected international organizations to ascertain whether, amongst other matters, obligations which States owe to each other and discharge as members of international organizations may, to that extent, fulfil or replace some of the procedures referred to in the schematic outline 845 and a study prepared by the secretariat entitled “Survey of State practice relevant to international liability for injurious consequences arising out of acts not prohibited by international law.” 846

81. The Commission, at its thirty-seventh session (1985), appointed Mr. Julio Barboza, Special Rapporteur for the topic. The Commission received 12 reports from the Special Rapporteur from its thirty-seventh to its forty-eighth sessions (1996). 847

82. At its forty-fourth session (1992), the Commission established a Working Group to consider some of the general issues relating to the scope, the approach to be taken and the possible direction of the future work on the topic. 848 On the basis of the recommendation of the Working Group, the Commission at its 2282nd meeting, on 8 July 1992, decided to continue the work on this topic in stages. First to complete work on prevention of trans-

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843 At that session the Commission established a working group to consider, in a preliminary manner, the scope and nature of the topic. For the report of the Working Group, see Yearbook ... 1978, vol. II (Part Two), pp. 150–152.

844 The five reports of the Special Rapporteur are reproduced as follows:


847 The 12 reports of the Special Rapporteur are reproduced as follows:


boundary harm and to proceed with remedial measures. The Commission decided, in view of the ambiguity in the title of the topic, to continue with the working hypothesis that the topic deals with “activities” and to defer any formal change of the title.

83. At its forty-eighth session, the Commission re-established the Working Group in order to review the topic in all its aspects in the light of the reports of the Special Rapporteur and the discussions held, over the years, in the Commission and to make recommendations to the Commission.

84. The Working Group submitted a report which provided a complete picture of the topic relating to the principle of prevention and that of liability for compensation or other relief, presenting articles and commentaries thereto.

85. At its forty-ninth session (1997), the Commission established again a Working Group to consider the question of how the Commission should proceed with its work on this topic. The Working Group reviewed the work of the Commission on the topic since 1978. It noted that the scope and content of the topic remained unclear due to such factors as conceptual and theoretical difficulties, appropriateness of the title and the relation of the subject to “State responsibility”. The Working Group further noted that the Commission had dealt with two issues under the topic: “prevention” and “international liability”. In the view of the Working Group, these two issues were distinct from one another, though related. The Working Group therefore agreed that henceforth the issues of prevention and of liability should be dealt with separately.

86. Accordingly, the Commission decided to proceed with its work on the topic “International liability for injurious consequences arising out of acts not prohibited by international law”, dealing first with the issue of prevention under the subtitle “Prevention of transboundary damage from hazardous activities”. The General Assembly took note of this decision in paragraph 7 of its resolution 52/156 of 15 December 1997.

87. At the same session, the Commission appointed Mr. Pemmaraju Sreenivasa Rao Special Rapporteur for this part of the topic.

88. At its fiftieth session (1998), the Commission received and considered the first report of the Special Rapporteur and adopted on first reading a set of 17 draft articles on prevention of transboundary damage from hazardous activities.

89. In accordance with articles 16 and 21 of its statute, the Commission transmitted the draft articles, through the Secretary-General, to Governments for comments and observations, with the request that such comments and observations be submitted to the Secretary-General by 1 January 2000.

90. At its fifty-first (1999) and fifty-second (2000) sessions, the Commission received and considered the second and third reports of the Special Rapporteur. The Commission also had before it comments and observations received from Governments. At its 2643rd meeting, on 20 July 2000, the Commission referred the draft preamble and revised draft articles to the Drafting Committee.

B. Consideration of the topic at the present session

91. At the present session, the Drafting Committee considered the draft articles which the Commission had referred to it at the previous session. The Chairman of the Drafting Committee presented the report of the Committee (A/CN.4/L.601 and Corr.1 and 2) at the 2675th meeting of the Commission, held on 11 May 2001. At the same meeting, the Commission considered the report of the Drafting Committee and adopted the final text of a draft preamble and a set of 19 draft articles on prevention of transboundary harm from hazardous activities.

92. At its 2697th, 2698th, 2699th and 2700th meetings, from 27 July to 2 August 2001, the Commission adopted the commentaries to the aforementioned draft articles.

93. In accordance with its statute, the Commission submits the draft preamble and the draft articles to the General Assembly, together with a recommendation set out below.

C. Recommendation of the Commission

94. At its 2701st meeting, on 3 August 2001, the Commission decided, in accordance with article 23 of its statute, to recommend to the General Assembly the elaboration of a convention by the Assembly on the basis of the draft articles on prevention of transboundary harm from hazardous activities.

D. Tribute to the Special Rapporteur, Mr. Pemmaraju Sreenivasa Rao

95. At its 2701st meeting, on 3 August 2001, the Commission, after adopting the text of the draft preamble and draft articles on prevention of transboundary harm from hazardous activities, adopted the following resolution by acclamation:

849 Ibid., paras. 344-349.
850 Yearbook ..., 1996, vol. II (Part Two), annex I.
852 Ibid.

E. Draft articles on prevention of transboundary harm from hazardous activities

1. Text of the draft articles

96. The Commission also expressed its deep appreciation to the previous Special Rapporteurs, Robert Q. Quentin-Baxter and Julio Barboza, for their outstanding contribution to the work on the topic.

PREVENTION OF TRANSBOUNDARY HARM FROM HAZARDOUS ACTIVITIES

The States Parties,

Having in mind Article 13, paragraph 1 (a), of the Charter of the United Nations, which provides that the General Assembly shall initiate studies and make recommendations for the purpose of encouraging the progressive development of international law and its codification,

Bearing in mind the principle of permanent sovereignty of States over the natural resources within their territory or otherwise under their jurisdiction or control,

Bearing also in mind that the freedom of States to carry on or permit activities in their territory or otherwise under their jurisdiction or control is not unlimited,

Recalling the Rio Declaration on Environment and Development of 13 June 1992,

Recognizing the importance of promoting international cooperation,

Have agreed as follows:

Article 1. Scope

The present articles apply to activities not prohibited by international law which involve a risk of causing significant transboundary harm through their physical consequences.

Article 2. Use of terms

For the purposes of the present articles:

(a) “Risk of causing significant transboundary harm” includes risks taking the form of a high probability of causing significant transboundary harm and a low probability of causing disastrous transboundary harm;

(b) “Harm” means harm caused to persons, property or the environment;

(c) “Transboundary harm” means harm caused in the territory of or in other places under the jurisdiction or control of a State other than the State of origin, whether or not the States concerned share a common border;

(d) “State of origin” means the State in the territory or otherwise under the jurisdiction or control of which the activities referred to in article 1 are planned or are carried out;

(e) “State likely to be affected” means the State or States in the territory of which there is the risk of significant transboundary harm or which have jurisdiction or control over any other place where there is such a risk;

(f) “States concerned” means the State of origin and the State likely to be affected.

Article 3. Prevention

The State of origin shall take all appropriate measures to prevent significant transboundary harm or at any event to minimize the risk thereof.

Article 4. Cooperation

States concerned shall cooperate in good faith and, as necessary, seek the assistance of one or more competent international organizations in preventing significant transboundary harm or at any event in minimizing the risk thereof.

Article 5. Implementation

States concerned shall take the necessary legislative, administrative or other action including the establishment of suitable monitoring mechanisms to implement the provisions of the present articles.

Article 6. Authorization

1. The State of origin shall require its prior authorization for:

(a) any activity within the scope of the present articles carried out in its territory or otherwise under its jurisdiction or control;

(b) any major change in an activity referred to in subparagraph (a);

(c) any plan to change an activity which may transform it into one falling within the scope of the present articles.

2. The requirement of authorization established by a State shall be made applicable in respect of all pre-existing activities within the scope of the present articles. Authorizations already issued by the State for pre-existing activities shall be reviewed in order to comply with the present articles.

3. In case of a failure to conform to the terms of the authorization, the State of origin shall take such actions as appropriate, including where necessary terminating the authorization.

Article 7. Assessment of risk

Any decision in respect of the authorization of an activity within the scope of the present articles shall, in particular, be based on an assessment of the possible transboundary harm caused by that activity, including any environmental impact assessment.

Article 8. Notification and information

1. If the assessment referred to in article 7 indicates a risk of causing significant transboundary harm, the State of origin shall provide the State likely to be affected with timely notification of the risk and the assessment and shall transmit to it the available
2. The State of origin shall not take any decision on authorization of the activity pending the receipt, within a period not exceeding six months, of the response from the State likely to be affected.

Article 9. Consultations on preventive measures

1. The States concerned shall enter into consultations, at the request of any of them, with a view to achieving acceptable solutions regarding measures to be adopted in order to prevent significant transboundary harm or at any event to minimize the risk thereof. The States concerned shall agree, at the commencement of such consultations, on a reasonable time frame for the consultations.

2. The States concerned shall seek solutions based on an equitable balance of interests in the light of article 10.

3. If the consultations referred to in paragraph 1 fail to produce an agreed solution, the State of origin shall nevertheless take into account the interests of the State likely to be affected in case it decides to authorize the activity to be pursued, without prejudice to the rights of any State likely to be affected.

Article 10. Factors involved in an equitable balance of interests

In order to achieve an equitable balance of interests as referred to in paragraph 2 of article 9, the States concerned shall take into account all relevant factors and circumstances, including:

(a) the degree of risk of significant transboundary harm and of the availability of means of preventing such harm, or minimizing the risk thereof or repairing the harm;

(b) the importance of the activity, taking into account its overall advantages of a social, economic and technical character for the State of origin in relation to the potential harm for the State likely to be affected;

(c) the risk of significant harm to the environment and the availability of means of preventing such harm, or minimizing the risk thereof or restoring the environment;

(d) the degree to which the State of origin and, as appropriate, the State likely to be affected are prepared to contribute to the costs of prevention;

(e) the economic viability of the activity in relation to the costs of prevention and to the possibility of carrying out the activity elsewhere or by other means or replacing it with an alternative activity;

(f) the standards of prevention which the State likely to be affected applies to the same or comparable activities and the standards applied in comparable regional or international practice.

Article 11. Procedures in the absence of notification

1. If a State has reasonable grounds to believe that an activity planned or carried out in the State of origin may involve a risk of causing significant transboundary harm to it, it may request the State of origin to apply the provision of article 8. The request shall be accompanied by a documented explanation setting forth its grounds.

2. In the event that the State of origin nevertheless finds that it is not under an obligation to provide a notification under article 8, it shall so inform the requesting State within a reasonable time, providing a documented explanation setting forth the reasons for such finding. If this finding does not satisfy that State, at its request, the two States shall promptly enter into consultations in the manner indicated in article 9.

3. During the course of the consultations, the State of origin shall, if so requested by the other State, arrange to introduce appropriate and feasible measures to minimize the risk and, where appropriate, to suspend the activity in question for a reasonable period.

Article 12. Exchange of information

While the activity is being carried out, the States concerned shall exchange in a timely manner all available information concerning that activity relevant to preventing significant transboundary harm or at any event minimizing the risk thereof. Such an exchange of information shall continue until such time as the States concerned consider it appropriate even after the activity is terminated.

Article 13. Information to the public

States concerned shall, by such means as are appropriate, provide the public likely to be affected by an activity within the scope of the present articles with relevant information relating to that activity, the risk involved and the harm which might result and ascertain their views.

Article 14. National security and industrial secrets

Data and information vital to the national security of the State of origin or to the protection of industrial secrets or concerning intellectual property may be withheld, but the State of origin shall cooperate in good faith with the State likely to be affected in providing as much information as possible under the circumstances.

Article 15. Non-discrimination

Unless the States concerned have agreed otherwise for the protection of the interests of persons, natural or juridical, who may be or are exposed to the risk of significant transboundary harm as a result of an activity within the scope of the present articles, a State shall not discriminate on the basis of nationality or residence or place where the injury might occur, in granting to such persons, in accordance with its legal system, access to judicial or other procedures to seek protection or other appropriate redress.

Article 16. Emergency preparedness

The State of origin shall develop contingency plans for responding to emergencies, in cooperation, where appropriate, with the State likely to be affected and competent international organizations.

Article 17. Notification of an emergency

The State of origin shall, without delay and by the most expeditious means, at its disposal, notify the State likely to be affected of an emergency concerning an activity within the scope of the present articles and provide it with all relevant and available information.

Article 18. Relationship to other rules of international law

The present articles are without prejudice to any obligation incurred by States under relevant treaties or rules of customary international law.

Article 19. Settlement of disputes

1. Any dispute concerning the interpretation or application of the present articles shall be settled expeditiously through peaceful means of settlement chosen by mutual agreement of the parties to the dispute, including negotiations, mediation, conciliation, arbitration or judicial settlement.

2. Failing an agreement on the means for the peaceful settlement of the dispute within a period of six months, the parties to the
dispute shall, at the request of any of them, have recourse to the establishment of an impartial fact-finding commission.

3. The Fact-finding Commission shall be composed of one member nominated by each party to the dispute and in addition a member not having the nationality of any of the parties to the dispute chosen by the nominated members who shall serve as Chairperson.

4. If more than one State is involved on one side of the dispute and those States do not agree on a common member of the Commission and each of them nominates a member, the other party to the dispute has the right to nominate an equal number of members of the Commission.

5. If the members nominated by the parties to the dispute are unable to agree on a Chairperson within three months of the request for the establishment of the Commission, any party to the dispute may request the Secretary-General of the United Nations to appoint the Chairperson who shall not have the nationality of any of the parties to the dispute. If one of the parties to the dispute fails to nominate a member within three months of the initial request pursuant to paragraph 2, any other party to the dispute may request the Secretary-General of the United Nations to appoint a person who shall not have the nationality of any of the parties to the dispute. The person so appointed shall constitute a single-member Commission.

6. The Commission shall adopt its report by a majority vote, unless it is a single-member Commission, and shall submit that report to the parties to the dispute setting forth its findings and recommendations, which the parties to the dispute shall consider in good faith.

2. TEXT OF THE DRAFT ARTICLES WITH COMMENTARIES THERETO

98. The text of the draft articles adopted by the Commission at its fifty-third session with commentaries thereto is reproduced below.

PREVENTION OF TRANSBOUNDARY HARM FROM HAZARDOUS ACTIVITIES

General commentary

(1) The articles deal with the concept of prevention in the context of authorization and regulation of hazardous activities which pose a significant risk of transboundary harm. Prevention in this sense, as a procedure or as a duty, deals with the phase prior to the situation where significant harm or damage might actually occur, requiring States concerned to invoke remedial or compensatory measures, which often involve issues concerning liability.

(2) The concept of prevention has assumed great significance and topicality. The emphasis upon the duty to prevent as opposed to the obligation to repair, remedy or compensate has several important aspects. Prevention should be a preferred policy because compensation in case of harm often cannot restore the situation prevailing prior to the event or accident. Discharge of the duty of prevention or due diligence is all the more required as knowledge regarding the operation of hazardous activities, materials used and the process of managing them and the risks involved is steadily growing. From a legal point of view, the enhanced ability to trace the chain of causation, i.e. the physical link between the cause (activity) and the effect (harm), and even the several intermediate links in such a chain of causation, makes it also imperative for operators of hazardous activities to take all steps necessary to prevent harm. In any event, prevention as a policy is better than cure.

(3) Prevention of transboundary harm arising from hazardous activities is an objective well emphasized by principle 2 of the Rio Declaration on Environment and Development (Rio Declaration)\(^{861}\) and confirmed by ICJ in its advisory opinion on the Legality of the Threat or Use of Nuclear Weapons\(^{858}\) as now forming part of the corpus of international law.

(4) The issue of prevention, therefore, has rightly been stressed by the Experts Group on Environmental Law of the World Commission on Environment and Development (Brundtland Commission). Article 10 recommended by the Group in respect of transboundary natural resources and environmental interferences thus reads: “States shall, without prejudice to the principles laid down in articles 11 and 12, prevent or abate any transboundary environmental interference or a significant risk thereof which causes substantial harm—i.e. harm which is not minor or insignificant.”\(^{859}\)

It must be further noted that the well-established principle of prevention was highlighted in the arbitral award in the Trail Smelter case\(^{860}\) and was reiterated not only in principle 21 of the Declaration of the United Nations Conference on the Human Environment (Stockholm Declaration)\(^{857}\) and principle 2 of the Rio Declaration, but also in General Assembly resolution 2995 (XXVII) of 15 December 1972 on cooperation between States in the field of the environment. This principle is also reflected in principle 3 of the Principles of conduct in the field of the environment for the guidance of States in the conservation and harmonious utilization of natural resources shared by two or more States, adopted by the Governing Council of UNEP in 1978, which provided that States must:

avoid to the maximum extent possible and ... reduce to the minimum extent possible the adverse environmental effects beyond its jurisdiction of the utilization of a shared natural resource so as to protect the environment, in particular when such utilization might:

(a) cause damage to the environment which could have repercussions on the utilization of the resource by another sharing State;

(b) threaten the conservation of a shared renewable resource;

(c) endanger the health of the population of another State.\(^{862}\)

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\(^{852}\) Legality of the Threat or Use of Nuclear Weapons (see footnote 54 above), pp. 241–242, para. 29; see also A/51/218, annex.

\(^{853}\) Environmental Protection and Sustainable Development: Legal Principles and Recommendations (London, Graham and Trotman/ Martinus Nijhoff, 1987), p. 75, adopted by the Experts Group. It was also noted that the duty not to cause substantial harm could be deduced from the non-treaty-based practice of States, and from the statements made by States individually and/or collectively. See I. G. Lammers, Pollution of International Watercourses (The Hague, Martinus Nijhoff, 1984), pp. 346–347 and 374–376.

\(^{854}\) Trail Smelter (see footnote 253 above), pp. 1905 et seq.


\(^{856}\) UNEP, Environmental Law: Guidelines and Principles, No. 2, Shared Natural Resources (Nairobi, 1978), p. 2. The principles are re-
(5) Prevention of transboundary harm to the environment, persons and property has been accepted as an important principle in many multilateral treaties concerning protection of the environment, nuclear accidents, space objects, international watercourses, management of hazardous wastes and prevention of marine pollution.\textsuperscript{863}

\textbf{Preamble}

\textit{The States Parties,}

\textit{Having in mind Article 13, paragraph 1 (a), of the Charter of the United Nations, which provides that the General Assembly shall initiate studies and make recommendations for the purpose of encouraging the progressive development of international law and its codification,}

\textit{Bearing in mind the principle of permanent sovereignty of States over the natural resources within their territory or otherwise under their jurisdiction or control,}

\textit{Bearing also in mind that the freedom of States to carry on or permit activities in their territory or otherwise under their jurisdiction or control is not unlimited,}

\textit{Recalling the Rio Declaration on Environment and Development of 13 June 1992,}

\textit{Recognizing the importance of promoting international cooperation,}

\textit{Have agreed as follows:

\textbf{Commentary}

(1) The preamble sets out the general context in which the topic of prevention is elaborated, keeping in view the mandate given to the Commission to codify and develop international law. Activities covered under the present topic of prevention require States to engage in cooperation and accommodation in their mutual interest. States are free to formulate necessary policies to develop their natural resources and to carry out or authorize activities in response to the needs of their populations. In so doing, however, States have to ensure that such activities are carried out taking into account the interests of other States and therefore the freedom they have within their own jurisdiction is not unlimited.

(2) The prevention of transboundary harm from hazardous activities should also be seen in the context of the general principles incorporated in the Rio Declaration and other considerations that emphasize the close interrelationship between issues of environment and development. A general reference in the fourth preambular paragraph to the Rio Declaration indicates the importance of the interactive nature of all the principles contained therein. This is without prejudice to highlighting specific principles of the Rio Declaration, as appropriate, in the commentaries to follow on particular articles.

\textit{Article 1. Scope}

The present articles apply to activities not prohibited by international law which involve a risk of causing significant transboundary harm through their physical consequences.

\textit{Commentary}

(1) Article 1 limits the scope of the articles to activities not prohibited by international law and which involve a risk of causing significant transboundary harm through their physical consequences. Subparagraph (d) of article 2 further limits the scope of the articles to those activities carried out in the territory or otherwise under the jurisdiction or control of a State.

(2) Any activity which involves the risk of causing significant transboundary harm through the physical consequences is within the scope of the articles. Different types of activities could be envisaged under this category. As the title of the proposed articles indicates, any hazardous and by inference any ultrahazardous activity which involves a risk of significant transboundary harm is covered. An ultrahazardous activity is perceived to be an activity with a danger that is rarely expected to materialize but might assume, on that rare occasion, grave (more than significant, serious or substantial) proportions.

(3) Suggestions have been made at different stages of the evolution of the present articles to specify a list of activities in an annex to the present articles with an option to make additions or deletions to such a list in the future as appropriate. States could also be given the option to add to or delete from the list items which they may include in any national legislation aimed at implementing the obligations of prevention.

(4) It is, however, felt that specification of a list of activities in an annex to the articles is not without problems and functionally not essential. Any such list of activities is likely to be under inclusion and could become quickly
dated from time to time in the light of fast evolving technology. Further, except for certain ultrahazardous activities which are mostly the subject of special regulation, e.g. in the nuclear field or in the context of activities in outer space, the risk that flows from an activity is primarily a function of the particular application, the specific context and the manner of operation. It is felt that a generic list could not capture these elements.

(5) It may be further noted that it is always open to States to specify activities coming within the scope of the articles in any regional or bilateral agreements or to do so in their national legislation regulating such activities and implementing obligations of prevention. In any case, the scope of the articles is clarified by the four different criteria noted in the article.

(6) The first criterion to define the scope of the articles refers to “activities not prohibited by international law”. This approach has been adopted in order to separate the topic of international liability from the topic of State responsibility. The employment of this criterion is also intended to allow a State likely to be affected by an activity involving the risk of causing significant transboundary harm to demand from the State of origin compliance with obligations of prevention although the activity itself is not prohibited. In addition, an invocation of these articles by a State likely to be affected is not a bar to a later claim by that State that the activity in question is a prohibited activity. Equally, it is to be understood that non-fulfilment of the duty of prevention at any event of the minimization of risk under the articles would not give rise to the implication that the activity itself is prohibited. However, in such a case State responsibility could be engaged in implementing the obligations, including any civil responsibility or duty of the operator.

The articles are primarily concerned with the management of risk and emphasize the duty of cooperation and consultation among all States concerned. States likely to be affected are given the right of engagement with the State of origin in designing and, where appropriate, in the implementation of a system of management of risk commonly shared between or among them. The right thus envisaged in favour of the States likely to be affected however does not give them the right to veto the activity or project itself.

(7) The second criterion, found in the definition of the State of origin in article 2, subparagraph (d), is that the activities to which preventive measures are applicable “are planned or are carried out” in the territory or otherwise under the jurisdiction or control of a State. Three concepts are used in this criterion: “territory”, “jurisdiction” and “control”. Even though the expression “jurisdiction or control of a State” is a more commonly used formula in some instruments, the Commission finds it useful to mention also the concept of “territory” in order to emphasize the importance of the territorial link, when such a link exists, between activities under these articles and a State.

(8) For the purposes of these articles, territorial jurisdiction is the dominant criterion. Consequently, when an activity covered by the present articles occurs within the territory of a State, that State must comply with the obligations of prevention. “Territory” is, therefore, taken as conclusive evidence of jurisdiction. Consequently, in cases of competing jurisdictions over an activity covered by these articles, the territorially based jurisdiction prevails. The Commission, however, is mindful of situations where a State, under international law, has to accept limits to its territorial jurisdiction in favour of another State. The prime example of such a situation is innocent passage of a foreign ship through the territorial sea. In such situations, if the activity leading to significant transboundary harm...
emanates from the foreign ship, the flag State, and not the territorial State, must comply with the provisions of the present articles.

(9) The concept of “territory” for the purposes of these articles does not cover all cases where a State exercises “jurisdiction” or “control”. The expression “jurisdiction” of a State is intended to cover, in addition to the activities being undertaken within the territory of a State, activities over which, under international law, a State is authorized to exercise its competence and authority. The Commission is aware that questions involving the determination of jurisdiction are complex and sometimes constitute the core of a dispute. This article certainly does not presume to resolve all the questions of conflicts of jurisdiction.

(10) Sometimes, because of the location of the activity, there is no territorial link between a State and the activity such as, for example, activities taking place in outer space or on the high seas. The most common example is the jurisdiction of the flag State over a ship. The Geneva Conventions on the Law of the Sea and the United Nations Convention on the Law of the Sea have covered many jurisdictional capacities of the flag State.

(11) In cases of concurrent jurisdiction by more than one State over the activities covered by these articles, States shall individually and, when appropriate, jointly comply with the provisions of these articles.

(12) The function of the concept of “control” in international law is to attach certain legal consequences to a State whose jurisdiction over certain activities or events is not recognized by international law; it covers situations in which a State is exercising de facto jurisdiction, even though it lacks jurisdiction de jure, such as in cases of unlawful intervention, occupation and unlawful annexation. Reference may be made, in this respect, to the advisory opinion by ICJ in the Namibia case. In that advisory opinion, the Court, after holding South Africa responsible for having created and maintained a situation which the Court declared illegal and finding South Africa under an obligation to withdraw its administration from Namibia, nevertheless attached certain legal consequences to the de facto control of South Africa over Namibia. The Court held:

The fact that South Africa no longer has any title to administer the Territory does not release it from its obligations and responsibilities under international law towards other States in respect of the exercise of its powers in relation to this Territory. Physical control of a territory, and not sovereignty or legitimacy of title, is the basis of State liability for acts affecting other States.590

(13) The third criterion is that activities covered in these articles must involve a “risk of causing significant transboundary harm”. The term is defined in article 2 (see the commentary to article 2). The words “transboundary harm” are intended to exclude activities which cause harm only in the territory of the State within which the activity is undertaken without the possibility of any harm to any other State. For discussion of the term “significant”, see the commentary to article 2.

(14) As to the element of “risk”, this is by definition concerned with future possibilities, and thus implies some element of assessment or appreciation of risk. The mere fact that harm eventually results from an activity does not mean that the activity involved a risk, if no properly informed observer was or could have been aware of that risk at the time the activity was carried out. On the other hand, an activity may involve a risk of causing significant transboundary harm even though those responsible for carrying out the activity underestimated the risk or were even unaware of it. The notion of risk is thus to be taken objectively, as denoting an appreciation of possible harm resulting from an activity which a properly informed observer had or ought to have had.

(15) In this context, it should be stressed that these articles as a whole have a continuing operation and effect, i.e. unless otherwise stated, they apply to activities as carried out from time to time. Thus, it is possible that an activity which in its inception did not involve any risk (in the sense explained in paragraph (14)), might come to do so as a result of some event or development. For example, a perfectly safe reservoir may become dangerous as a result of an earthquake, in which case the continued operation of the reservoir would be an activity involving risk. Or developments in scientific knowledge might reveal an inherent weakness in a structure or materials which carry a risk of failure or collapse, in which case again the present articles might come to apply to the activity concerned in accordance with their terms.

(16) The fourth criterion is that the significant transboundary harm must have been caused by the “physical consequences” of such activities. It was agreed by the Commission that in order to bring this topic within a manageable scope, it should exclude transboundary harm which may be caused by State policies in monetary, socio-economic or similar fields. The Commission feels that the most effective way of limiting the scope of these articles is by requiring that these activities should have transboundary physical consequences which, in turn, result in significant harm.

(17) The physical link must connect the activity with its transboundary effects. This implies a connection of a very specific type—a consequence which does or may arise out of the very nature of the activity or situation in question. That implies that the activities covered in these articles must themselves have a physical quality, and the consequences must flow from that quality. Thus, the stockpiling of weapons does not entail the consequence that the weapons stockpiled will be put to a belligerent use. Yet, this stockpiling may be characterized as an activity which, because of the explosive or incendiary properties of the materials stored, entails an inherent risk of disastrous misadventure.

**Article 2. Use of terms**

For the purposes of the present articles:

(a) “Risk of causing significant transboundary harm” includes risks taking the form of a high probability of causing significant transboundary harm and
a low probability of causing disastrous transboundary harm;

(b) “Harm” means harm caused to persons, property or the environment;

(c) “Transboundary harm” means harm caused in the territory of or in other places under the jurisdiction or control of a State other than the State of origin, whether or not the States concerned share a common border;

(d) “State of origin” means the State in the territory or otherwise under the jurisdiction or control of which the activities referred to in article 1 are planned or are carried out;

(e) “State likely to be affected” means the State or States in the territory of which there is the risk of significant transboundary harm or which have jurisdiction or control over any other place where there is such a risk;

(f) “States concerned” means the State of origin and the State likely to be affected.

Commentary

(1) Subparagraph (a) defines the concept of “risk of causing significant transboundary harm” as encompassing a low probability of causing disastrous transboundary harm or a high probability of causing significant transboundary harm. The Commission feels that instead of defining separately the concept of “risk” and then “harm”, it is more appropriate to define the expression of “risk of causing significant transboundary harm” because of the interrelationship between “risk” and “harm” and the relationship between them and the adjective “significant”.

(2) For the purposes of these articles, “risk of causing significant transboundary harm” refers to the combined effect of the probability of occurrence of an accident and the magnitude of its injurious impact. It is, therefore, the combined effect of “risk” and “harm” which sets the threshold. In this respect inspiration is drawn from the Code of Conduct on Accidental Pollution of Transboundary Inland Waters,871 adopted by ECE in 1990. Under section 1, subparagraph (f), of the Code of Conduct, “‘risk’ means the combined effect of the probability of occurrence of an undesirable event and its magnitude”. A definition based on the combined effect of “risk” and “harm” is more appropriate for these articles, and the combined effect should reach a level that is deemed significant. The obligations of prevention imposed on States are thus not only reasonable but also sufficiently limited so as not to impose such obligations in respect of virtually any activity. The purpose is to strike a balance between the interests of the States concerned.

(3) The definition in the preceding paragraph allows for a spectrum of relationships between “risk” and “harm”, all of which would reach the level of “significant”.

The definition refers to two types of activities under these articles. One is where there is a low probability of causing disastrous harm. This is normally the characteristic of ultrahazardous activities. The other one is where there is a high probability of causing significant harm. This includes activities which have a high probability of causing harm which, while not disastrous, is still significant. But it would exclude activities where there is a very low probability of causing significant transboundary harm. The word “includes” is intended to highlight the intention that the definition is providing a spectrum within which the activities under these articles will fall.

(4) The term “significant” is not without ambiguity and a determination has to be made in each specific case. It involves more factual considerations than legal determination. It is to be understood that “significant” is something more than “detectable” but need not be at the level of “serious” or “substantial”. The harm must lead to a real detrimental effect on matters such as, for example, human health, industry, property, environment or agriculture in other States. Such detrimental effects must be susceptible of being measured by factual and objective standards.

(5) The ecological unity of the planet does not correspond to political boundaries. In carrying out lawful activities within their own territories, States have impacts on each other. These mutual impacts, so long as they have not reached the level of “significant”, are considered tolerable.

(6) The idea of a threshold is reflected in the Trail Smelter award, which used the words “serious consequence[s]”,872 as well as in the Lake Lanoux award, which relied on the concept “seriously” (gravement).873 A number of conventions have also used “significant”, “serious” or “substantial” as the threshold.874 “Significant” has also been used in other legal instruments and domestic law.875


872 See footnote 253 above.


874 See, for example, article 4, paragraph 2, of the Convention on the Regulation of Antarctic Mineral Resource Activities; articles 2, paragraphs 1 and 2, of the Convention on Environmental Impact Assessment in a Transboundary Context; section 1, subparagraph (b), of the Code of Conduct on Accidental Pollution of Transboundary Inland Waters (footnote 871 above); and article 7 of the Convention on the Law of the Non-Navigational Uses of International Watercourses.

(7) The term “significant”, while determined by factual and objective criteria, also involves a value determination which depends on the circumstances of a particular case and the period in which such determination is made. For instance, a particular deprivation at a particular time might not be considered “significant” because at that specific time scientific knowledge or human appreciation for a particular resource had not reached a point at which much value was ascribed to that particular resource. But some time later that view might change and the same harm might then be considered “significant”.

(8) Subparagraph (b) is self-explanatory in that “harm” for the purpose of the present articles would cover harm caused to persons, property or the environment.

(9) Subparagraph (c) defines “transboundary harm” as meaning harm caused in the territory of or in other places under the jurisdiction or control of a State other than the State of origin, whether or not the States concerned share a common border. This definition includes, in addition to a typical scenario of an activity within a State with injurious effects on another State, activities conducted under the jurisdiction or control of a State, for example, on the high seas, with effects on the territory of another State or in places under its jurisdiction or control. It includes, for example, injurious impacts on ships or platforms of other States on the high seas as well. It will also include activities conducted in the territory of a State with injurious consequences on, for example, the ships or platforms of another State on the high seas. The Commission cannot forecast all the possible future forms of “transboundary harm”. However, it makes clear that the intention is to be able to draw a line and clearly distinguish a State under whose jurisdiction and control an activity covered by these articles is conducted from a State which has suffered the injurious impact.

(10) In subparagraph (d), the term “State of origin” is introduced to refer to the State in the territory or otherwise under the jurisdiction or control of which the activities referred to in article 1 are carried out.876

(11) In subparagraph (e), the term “State likely to be affected” is defined to mean the State on whose territory or in other places under whose jurisdiction or control there is the risk of significant transboundary harm. There may be more than one such State likely to be affected in relation to any given activity.

(12) In subparagraph (f), the term “States concerned” refers to both the State of origin and the State likely to be affected to which some of the articles refer together.

876 See paragraphs (7) to (12) of the commentary to article 1.
confined to activities which are already properly appreciated as involving such a risk. The obligation extends to taking appropriate measures to identify activities which involve such a risk, and this obligation is of a continuing character.

(6) This article, then, sets up the principle of prevention that concerns every State in relation to activities covered by article 1. The modalities whereby the State of origin may discharge the obligations of prevention which have been established include, for example, legislative, administrative or other action necessary for enforcing the laws, administrative decisions and policies which the State of origin has adopted.878

(7) The obligation of the State of origin to take preventive or minimization measures is one of due diligence. It is the conduct of the State of origin that will determine whether the State has complied with its obligation under the present articles. The duty of due diligence involved, however, is not intended to guarantee that significant harm be totally prevented, if it is not possible to do so. In that eventuality, the State of origin is required, as noted above, to exert its best possible efforts to minimize the risk. In this sense, it does not guarantee that the harm would not occur.879

(8) An obligation of due diligence as the standard basis for the protection of the environment from harm can be deduced from a number of international conventions880 as well as from the resolutions and reports of international conferences and organizations.881 The obligation of due diligence was discussed in a dispute which arose in 1986 between Germany and Switzerland relating to the pollution of the Rhine by Sandoz. The Swiss Government acknowledged responsibility for lack of due diligence in preventing the accident through adequate regulation of its pharmaceutical industries.882

(9) In the “Alabama” case, the tribunal examined two different definitions of due diligence submitted by the parties. The United States defined due diligence as:

[A] diligence proportioned to the magnitude of the subject and to the dignity and strength of the power which is to exercise it; a diligence which shall, by the use of active vigilance, and of all the other means in the power of the neutral, through all stages of the transaction, prevent its soil from being violated; a diligence that shall in like manner deter designing men from committing acts of war upon the soil of the neutral against its will.883

The United Kingdom defined due diligence as “such care as Governments ordinarily employ in their domestic concerns.”884 The tribunal seemed to have been persuaded by the broader definition of the standard of due diligence presented by the United States and expressed concern about the “national standard” of due diligence presented by the United Kingdom. The tribunal stated that:

[the] British case seemed also to narrow the international duties of a Government to the exercise of the restraining powers conferred upon it by municipal law, and to overlook the obligation of the neutral to amend its laws when they were insufficient.885

(10) In the context of the present articles, due diligence is manifested in reasonable efforts by a State to inform itself of factual and legal components that relate foreseeable to a contemplated procedure and to take appropriate measures, in timely fashion, to address them. Thus, States are under an obligation to take unilateral measures to prevent significant transboundary harm or at any event to minimize the risk thereof arising out of activities within the scope of article 1. Such measures include, first, formulating policies designed to prevent significant transboundary harm or to minimize the risk thereof and, secondly, implementing those policies. Such policies are expressed in legislation and administrative regulations and implemented through various enforcement mechanisms.

(11) The standard of due diligence against which the conduct of the State of origin should be examined is that which is generally considered to be appropriate and proportional to the degree of risk of transboundary harm in the particular instance. For example, activities which may be considered ultrahazardous require a much higher standard of care in designing policies and a much higher degree of vigour on the part of the State to enforce them. Issues such as the size of the operation; its location, special climate conditions, materials used in the activity, and whether the conclusions drawn from the application of these factors in a specific case are reasonable, are among the factors to be considered in determining the due diligence requirement in each instance. What would be considered a reasonable standard of care or due diligence may change with time; what might be considered an appropriate and reasonable procedure, standard or rule at one point in time may not be considered as such at some point in the future. Hence, due diligence in ensuring safety requires a State to keep abreast of technological changes and scientific developments.

(12) It is also necessary in this connection to note principle 11 of the Rio Declaration, which states:

878. See article 5 and commentary.
879. For a similar observation, see paragraph (4) of the commentary to article 7 of the draft articles on the law of the non-navigational uses of international watercourses adopted by the Commission on second reading, Yearbook … 1994, vol. II (Part Two), p. 103. As to the lack of scientific information, see A. Epiney and M. Scheyli, Struktur- prinzipeien des Umweltnölkrechts (Baden-Baden, Nomos-Verlagsgesellschaft, 1998), pp. 126–140.
880. See, for example, article 194, paragraph 1, of the United Nations Convention on the Law of the Sea; articles I and II and article VII, paragraph 2, of the Convention on the Prevention of Marine Pollution by Dumping of Wastes and Other Matter; article 2 of the Vienna Convention for the Protection of the Ozone Layer; article 7, paragraph 5, of the Convention on the Regulation of Antarctic Mineral Resource Activities; article 2, paragraph 1, of the Convention on Environmental Impact Assessment in a Transboundary Context; and article 2, paragraph 1, of the Convention on the Protection and Use of Transboundary Watercourses and International Lakes.
884. Ibid., p. 612.
885. Ibid., p. 613.
States shall enact effective environmental legislation. Environmental standards, management objectives and priorities should reflect the environmental and developmental context to which they apply. Standards applied by some countries may be inappropriate and of unwarranted economic and social cost to other countries, in particular developing countries.886

(13) Similar language is found in principle 23 of the Stockholm Declaration. That principle, however, specifies that such domestic standards are “[w]ithout prejudice to such criteria as may be agreed upon by the international community”.887 The economic level of States is one of the factors to be taken into account in determining whether a State has complied with its obligation of due diligence. But a State’s economic level cannot be used to dispense the State from its obligation under the present articles.

(14) Article 3 imposes on the State a duty to take all necessary measures to prevent significant transboundary harm or at any event to minimize the risk thereof. This could involve, inter alia, taking such measures as are appropriate by way of abundant caution, even if full scientific certainty does not exist, to avoid or prevent serious or irreversible damage. This is well articulated in principle 15 of the Rio Declaration and is subject to the capacity of States concerned (see paragraphs (5) to (8) of the commentary to article 10). An efficient implementation of the duty of prevention may well require upgrading the input of technology in the activity as well as the allocation of adequate financial and manpower resources with necessary training for the management and monitoring of the activity.

(15) The operator of the activity is expected to bear the costs of prevention to the extent that he is responsible for the operation. The State of origin is also expected to undertake the necessary expenditure to put in place the administrative, financial and monitoring mechanisms referred to in article 5.

(16) States are engaged in continuously evolving mutually beneficial schemes in the areas of capacity-building, transfer of technology and financial resources. Such efforts are recognized to be in the common interest of all States in developing uniform international standards regulating and implementing the duty of prevention.

(17) The main elements of the obligation of due diligence involved in the duty of prevention could be thus stated: the degree of care in question is that expected of a good Government. It should possess a legal system and sufficient resources to maintain an adequate administrative apparatus to control and monitor the activities. It is, however, understood that the degree of care expected of a State with a well-developed economy and human and material resources and with highly evolved systems and structures of governance is different from States which are not so well placed.888 Even in the latter case, vigilance, employment of infrastructure and monitoring of hazardous activities in the territory of the State, which is a natural attribute of any Government, are expected.889

(18) The required degree of care is proportional to the degree of hazard involved. The degree of harm itself should be foreseeable and the State must know or should have known that the given activity has the risk of significant harm. The higher the degree of inadmissible harm, the greater would be the duty of care required to prevent it.

Article 4. Cooperation

States concerned shall cooperate in good faith and, as necessary, seek the assistance of one or more competent international organizations in preventing significant transboundary harm or at any event in minimizing the risk thereof.

Commentary

(1) The principle of cooperation between States is essential in designing and implementing effective policies to prevent significant transboundary harm or at any event to minimize the risk thereof. The requirement of cooperation of States extends to all phases of planning and of implementation. Principle 24 of the Stockholm Declaration and principle 7 of the Rio Declaration recognize cooperation as an essential element in any effective planning for the protection of the environment. More specific forms of cooperation are stipulated in subsequent articles. They envisage the participation of the State likely to be affected in any preventive action, which is indispensable to enhance the effectiveness of any such action. The latter State may know better than anybody else, for instance, which features of the activity in question may be more damaging to it, or which zones of its territory close to the border may be more affected by the transboundary effects of the activity, such as a specially vulnerable ecosystem.

(2) The article requires States concerned to cooperate in good faith. Paragraph 2 of Article 2 of the Charter of the United Nations provides that all Members “shall fulfill in good faith the obligations assumed by them in accordance with the present Charter”. The 1969 and 1978 Vienna Conventions declare in their preambles that the principle of good faith is universally recognized. In addition, article 26 and article 31, paragraph 1, of the 1969 Vienna Convention acknowledge the essential place of this principle in the law of treaties. The decision of ICJ in the Nuclear Tests case touches upon the scope of the application of good faith. In that case, the Court claimed that “[o]ne of the basic principles governing the creation and performance of legal obligations, whatever their source, is the principle of good faith”.890 This dictum of the Court implies that good faith applies also to unilateral

886 See footnote 857 above.
887 See footnote 861 above.
889 See the observation of Max Huber in the British Claims in the Spanish Zone of Morocco case (footnote 44 above), p. 644.
890 See footnote 196 above.
Article 5. Implementation

States concerned shall take the necessary legislative, administrative or other action including the establishment of suitable monitoring mechanisms to implement the provisions of the present articles.

(3) The arbitration tribunal, established in 1985 between Canada and France in the La Bretagne case, held that the principle of good faith was among the elements that afforded a sufficient guarantee against any risk of a party exercising its rights abusively.

(4) The words “States concerned” refer to the State of origin and the State or States likely to be affected. While other States in a position to contribute to the goals of these articles are encouraged to cooperate, no legal obligations are imposed upon them to do so.

(5) The article provides that States shall “as necessary” seek the assistance of one or more international organizations in performing their preventive obligations as set out in these articles. States shall do so only when it is deemed necessary. The words “as necessary” are intended to take account of a number of possibilities: First, assistance from international organizations may not be necessary in every case. For example, the State of origin or the States likely to be affected may, themselves, be technologically advanced and have the necessary technical capability. Secondly, the term “international organization” is intended to refer to organizations that are competent and in a position to assist in such matters. Thirdly, even if there are competent international organizations, they could extend necessary assistance only in accordance with their constitutions. In any case, the article does not purport to create any obligation for international organizations to respond to requests for assistance independent of its own constitutional requirements.

(6) Requests for assistance from international organizations may be made by one or more States concerned. The principle of cooperation means that it is preferable that such requests be made by all States concerned. The fact, however, that all States concerned do not seek necessary assistance does not free individual States from the obligation to seek assistance. Of course, the response and type of involvement of an international organization in cases in which the request has been lodged by only one State will depend, for instance, on the nature of the request, the type of assistance involved and the place where the international organization would have to perform such assistance.

(1) This article states what might be thought to be the obvious, viz. that under the present articles, States are required to take the necessary measures of implementation, whether of a legislative, administrative or other character. Implementation, going beyond formal application, involves the adoption of specific measures to ensure the effectiveness of the provisions of the present articles. Article 5 has been included here to emphasize the continuing character of the obligations, which require action to be taken from time to time to prevent transboundary harm or at any event to minimize the risk thereof arising from activities to which the articles apply.

(2) The measures referred to in this article include, for example, the opportunity available to persons concerned to make representations and the establishment of quasijudicial procedures. The use of the term “other action” is intended to cover the variety of ways and means by which States could implement the present articles. Article 5 mentions some measures expressly only in order to give guidance to States; it is left up to them to decide upon necessary and appropriate measures. Reference is made to “suitable monitoring mechanisms” in order to highlight the measures of inspection which States generally adopt in respect of hazardous activities.

(3) To say that States must take the necessary measures does not mean that they must themselves get involved in operational issues relating to the activities to which article 1 applies. Where these activities are conducted by private persons or enterprises, the obligation of the State is limited to establishing the appropriate regulatory framework and applying it in accordance with these articles. The application of that regulatory framework in the given case will then be a matter of ordinary administration or, in the case of disputes, for the relevant courts or tribunals, aided by the principle of non-discrimination contained in article 15.

(4) The action referred to in article 5 may appropriately be taken in advance. Thus, States may establish a suitable monitoring mechanism before the activity in question is approved or instituted.

Article 6. Authorization

1. The State of origin shall require its prior authorization for:

   (a) any activity within the scope of the present articles carried out in its territory or otherwise under its jurisdiction or control;

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894 This article is similar to article 2, paragraph 2, of the Convention on Environmental Impact Assessment in a Transboundary Context, which reads: “Each Party shall take the necessary legal, administrative or other measures to implement the provisions of this Convention, including, with respect to proposed activities listed in appendix I that are likely to cause significant adverse transboundary impact, the establishment of an environmental impact assessment procedure that permits public participation and preparation of the environmental impact assessment documentation described in appendix II.”
This article sets forth the fundamental principle that
used for acts contrary to the rights of other States”.

The requirement of authorization established by
a State shall be made applicable in respect of all pre-
existing activities within the scope of the present
articles. Authorization already issued by the State for pre-
existing activities shall be reviewed in order to comply
with the present articles.

In case of a failure to conform to the terms of
the authorization, the State of origin shall take such
actions as appropriate, including where necessary ter-
minating the authorization.

Commentary

This article sets forth the fundamental principle that
the prior authorization of a State is required for activities
which involve a risk of causing significant transbound-
ary harm undertaken in its territory or otherwise under its
jurisdiction or control. The word “authorization” means
granting permission by governmental authorities to con-
duct an activity covered by these articles. States are free to
choose the form of such authorization.

The requirement of authorization noted in ar-
6, paragraph 1 (a), obliges a State to ascertain
whether activities with a possible risk of significant trans-
boundary harm are taking place in its territory or other-
wise under its jurisdiction or control and implies that the
State should take the measures indicated in these articles.
It also requires the State to take a responsible and active
role in regulating such activities. The tribunal in the Trail
Smelter arbitration held that Canada had “the duty ... to
see to it that this conduct should be in conformity with the
obligation of the Dominion under international law as
herein determined”. The tribunal held that, in particular,
“the Trail Smelter shall be required to refrain from caus-
ing any damage through fumes in the State of Washing-
ton”. Article 6, paragraph 1 (a), is compatible with this
requirement.

ICJ in the Corfu Channel case held that a State has
an obligation “not to allow knowingly its territory to be
used for acts contrary to the rights of other States”.

The words “in its territory or otherwise under its jur-
sisdiction or control” are taken from article 2. The expres-
sion “any activity within the scope of the present articles”
introduces all the requirements specified in article 1 for
an activity to fall within the scope of these articles.

Article 6, paragraph 1 (b), makes the requirement
of prior authorization applicable also for a major change
planned in an activity already within the scope of article 1
where that change may increase the risk or alter the nature
or the scope of the risk. Some examples of major changes
are: building of additional production capacities, large-

896 Corfu Channel (see footnote 35 above), p. 22.

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ity, re-routing of motorways, express roads or re-routing
airport runways. Changing investment and production
(volume and type), physical structure or emissions and
changes bringing existing activities to levels higher than
the allowed threshold could also be considered as part of a
major change. Similarly, article 6, paragraph 1 (c),
contemplates a situation where a change is proposed in the
conduct of an activity that is otherwise innocuous, where
the change would transform that activity into one which
involves a risk of causing significant transboundary harm.
The implementation of such a change would also require
State authorization.

Paragraph 2 of article 6 emphasizes that the require-
ment of authorization should be made applicable to all
the pre-existing activities falling within the scope of the
present articles, once a State adopts these articles. It might
be unreasonable to require States when they assume the
obligations under these articles to apply them immedi-
ately in respect of existing activities. A suitable period of
time might be needed in that case for the operator of the
activity to comply with the authorization requirements.
The decision as to whether the activity should be stopped
pending authorization or should continue while the oper-
ator goes through the process of obtaining authorization is
denied by the State of origin, it is assumed that the State of
origin will stop the activity.

The adjustment envisaged in paragraph 2 generally
occurs whenever new legislative and administrative terms
are put in place because of safety standards or new in-
ternational standards or obligations which the State has
accepted and needed to enforce.

Paragraph 3 of article 6 notes the consequences of
the failure of an operator to comply with the require-
ment of authorization. The State of origin, which has the
main responsibility to monitor these activities, is given the
necessary flexibility to ensure that the operator complies with
the requirements involved. As appropriate, the State of or-
igin shall terminate the authorization and, where appropri-
ate, prohibit the activity from taking place altogether.

Article 7. Assessment of risk

Any decision in respect of the authorization of an
activity within the scope of the present articles shall, in
particular, be based on an assessment of the possible
transboundary harm caused by that activity, including
any environmental impact assessment.

Commentary

Under article 7, a State of origin, before granting
authorization to operators to undertake activities referred
to in article 1, should ensure that an assessment is under-
taken of the risk of the activity causing significant trans-
boundary harm. This assessment enables the State to de-
termine the extent and the nature of the risk involved in an

897 See ECE, Current Policies, Strategies and Aspects of Environ-
mental Impact Assessment in a Transboundary Context (United Nations
publication, Sales No. E.96.II.E.11), p. 48.
activity and consequently the type of preventive measures it should take.

(2) Although the assessment of risk in the Trail Smelter case may not directly relate to liability for risk, it nevertheless emphasized the importance of an assessment of the consequences of an activity causing significant risk. The tribunal in that case indicated that the study undertaken by well-established and known scientists was “probably the most thorough [one] ever made of any area subject to atmospheric pollution by industrial smoke”. 908

(3) The requirement of article 7 is fully consonant with principle 17 of the Rio Declaration, which provides also for assessment of risk of activities that are likely to have a significant adverse impact on the environment:

Environmental impact assessment, as a national instrument, shall be undertaken for proposed activities that are likely to have a significant adverse impact on the environment and are subject to a decision of a competent national authority. 899

The requirement of assessment of adverse effects of activities has been incorporated in various forms in many international agreements. 900 The most notable is the Convention on Environmental Impact Assessment in a Transboundary Context.

(4) The practice of requiring an environmental impact assessment has become very prevalent in order to assess whether a particular activity has the potential of causing significant transboundary harm. The legal obligation to conduct an environmental impact assessment under national law was first developed in the United States of America in the 1970s. Later, Canada and Europe adopted the same approach and essentially regulated it by guidelines. In 1985, a European Community directive required member States to conform to a minimum requirement of environmental impact assessment. Since then, many other countries have also made environmental impact assessment a necessary condition under their national law for authorization to be granted for developmental but hazardous industrial activities. 901 According to one United Nations study, the environmental impact assessment has already shown its value for implementing and strengthening sustainable development, as it combines the precautionary principle with the principle of preventing environmental damage and also allows for public participation. 902

(5) The question of who should conduct the assessment is left to States. Such assessment is normally conducted by operators observing certain guidelines set by the States. These matters would have to be resolved by the States themselves through their domestic laws or as parties to international instruments. However, it is presumed that a State of origin will designate an authority, whether or not governmental, to evaluate the assessment on behalf of the Government and will accept responsibility for the conclusions reached by that authority.

(6) The article does not specify what the content of the risk assessment should be. Obviously, the assessment of risk of an activity can only be meaningfully prepared if it relates the risk to the possible harm to which the risk could lead. This corresponds to the basic duty contained in article 3. Most existing international conventions and legal instruments do not specify the content of assessment. There are exceptions, such as the Convention on Environmental Impact Assessment in a Transboundary Context, which provides in detail the content of such assessment. 903 The 1981 study of the legal aspects concerning the environment related to offshore mining and drilling within the limits of national jurisdiction, prepared by the Working Group of Experts on Environmental Law of UNEP, 904 also provides, in its conclusion No. 8, in detail the content of assessment for offshore mining and drilling.

(7) The specifics of what ought to be the content of assessment is left to the domestic laws of the State
conducting such assessment. For the purposes of article 7, however, such an assessment should contain an evaluation of the possible transboundary harmful impact of the activity. In order for the States likely to be affected to evaluate the risk to which they might be exposed, they need to know what possible harmful effects that activity might have on them.

(8) The assessment should include the effects of the activity not only on persons and property, but also on the environment of other States. The importance of the protection of the environment, independently of any harm to individual human beings or property, is clearly recognized.

(9) This article does not oblige the State of origin to require risk assessment for any activity being undertaken within their territory or otherwise under their jurisdiction or control. Activities involving a risk of causing significant transboundary harm have some general characteristics which are identifiable and could provide some indication to States as to which activities might fall within the terms of these articles. For example, the type of the source of energy used in manufacturing, the location of the activity and its proximity to the border area, etc. could all give an indication of whether the activity might fall within the scope of these articles. There are certain substances that are listed in some conventions as dangerous or hazardous and their use in any activity may in itself be an indication that those activities might involve a risk of significant transboundary harm. There are also certain conventions that list the activities that are presumed to be harmful and that might signal that those activities might fall within the scope of these articles.

Article 8. Notification and information

1. If the assessment referred to in article 7 indicates a risk of causing significant transboundary harm, the State of origin shall provide the State likely to be affected with timely notification of the risk and the assessment and shall transmit to it the available technical and all other relevant information on which the assessment is based.

2. The State of origin shall not take any decision on authorization of the activity pending the receipt, within a period not exceeding six months, of the response from the State likely to be affected.

Commentary

(1) Article 8 deals with a situation in which the assessment undertaken by a State of origin, in accordance with article 7, indicates that the activity planned does indeed pose a risk of causing significant transboundary harm. This article, together with articles 9, 11, 12 and 13, provides for a set of procedures essential to balancing the interests of all the States concerned by giving them a reasonable opportunity to find a way to undertake the activity with satisfactory and reasonable measures designed to prevent or minimize transboundary harm.

(2) Article 8 calls on the State of origin to notify States likely to be affected by the planned activity. The activities here include both those that are planned by the State itself and those planned by private entities. The requirement of notification is an indispensable part of any system designed to prevent transboundary harm or at any event to minimize the risk thereof.

(3) The obligation to notify other States of the risk of significant harm to which they are exposed is reflected in the Corfu Channel case, where ICJ characterized the duty to warn as based on “elementary considerations of humanity”. This principle is recognized in the context of the use of international watercourses and in that context is embodied in a number of international agreements, decisions of international courts and tribunals, declarations and resolutions adopted by intergovernmental organizations, conferences and meetings, and studies by governmental and international non-governmental organizations.

(4) In addition to the utilization of international watercourses, the principle of notification has also been recognized in respect of other activities with transboundary effects, for example, article 3 of the Convention on Environmental Impact Assessment in a Transboundary Context and articles 3 and 10 of the Convention on the Transboundary Effects of Industrial Accidents. Principle 19 of the Rio Declaration speaks of timely notification:

States shall provide prior and timely notification and relevant information to potentially affected States on activities that may have a significant adverse transboundary environmental effect and shall consult with those States at an early stage and in good faith.

905 For the format of environmental impact assessment adopted in most legislations, see M. Yeater and L. Kurukulasuriya, loc. cit. (footnote 901 above), p. 260.

906 For example, the Convention for the Prevention of Marine Pollution from Land-based Sources provides in article 4 an obligation for the parties to eliminate or restrict the pollution of the environment by certain substances, and the list of those substances is annexed to the Convention. Similarly, the Convention on the Protection of the Marine Environment of the Baltic Sea Area provides a list of hazardous substances in annex I and of noxious substances and materials in annex II, deposits of which are either prohibited or strictly limited; see also the Protocol for the Protection of the Mediterranean Sea against Pollution from Land-based Sources; and the Agreement for the Protection of the Rhine against Chemical Pollution.

907 See footnote 864 above.

908 Corfu Channel (see footnote 35 above), p. 22.

909 For treaties dealing with prior notification and exchange of information in respect of watercourses, see paragraph (6) of the commentary to article 12 (Notification concerning planned measures with possible adverse effects), of the draft articles on the law of the non-navigational uses of international watercourses (Yearbook ... 1994, vol. II (Part Two), pp. 119–120).

910 Article 3, paragraph 2, of the Convention provides for a system of notification which reads:

“This notification shall contain, inter alia:

“(a) Information on the proposed activity, including any available information on its possible transboundary impact;

“(b) The nature of the possible decision; and

“(c) An indication of a reasonable time within which a response under paragraph 3 of this Article is required, taking into account the nature of the proposed activity;

and may include the information set out in paragraph 5 of this Article.”

911 See footnote 857 above.
(5) The procedure for notification has been established by a number of OECD resolutions. For example, in respect of certain chemical substances, the annex to OECD resolution C(71)73 of 18 May 1971 stipulates that each member State is to receive notification prior to the proposed measures in each other member State regarding substances which have an adverse impact on man or the environment where such measures could have significant effects on the economies and trade of the other States. The annex to OECD Council recommendation C(74)224 of 14 November 1974 on “Some principles concerning transfrontier pollution” in its “Principle of information and consultation” requires notification and consultation prior to undertaking an activity which may create a risk of significant transboundary pollution. The principle of notification is well established in the case of environmental emergencies.

(6) Where assessment reveals the risk of causing significant transboundary harm, in accordance with paragraph 1, the State which plans to undertake such activity has the obligation to notify the States which may be affected. The notification shall be accompanied by available technical information on which the assessment is based. The reference to “available” technical and other relevant information is intended to indicate that the obligation of the State of origin is limited to transmitting the technical and other information which was developed in relation to the activity. This information is generally revealed during the assessment of the activity in accordance with article 7. Paragraph 1 assumes that technical information resulting from the assessment includes not only what might be called raw data, namely fact sheets, statistics, etc., but also the analysis of the information which was used by the State of origin itself to make the determination regarding the risk of transboundary harm. The reference to the available data includes also other data which might become available later after transmitting the data which was initially available to the States likely to be affected.

(7) States are free to decide how they wish to inform the States that are likely to be affected. As a general rule, it is assumed that States will directly contact the other States through diplomatic channels.

(8) Paragraph 1 also addresses the situation where the State of origin, despite all its efforts and diligence, is unable to identify all the States which may be affected prior to authorizing the activity and gains that knowledge only after the activity is undertaken. In accordance with this paragraph, the State of origin, in such cases, is under an obligation to notify the other States likely to be affected as soon as the information comes to its knowledge and it has had an opportunity, within a reasonable time, to determine the States concerned.

(9) Paragraph 2 addresses the need for the States likely to be affected to respond within a period not exceeding six months. It is generally a period of time that should allow these States to evaluate the data involved and arrive at their own conclusion. This is a requirement that is conditioned by cooperation and good faith.

Article 9. Consultations on preventive measures

1. The States concerned shall enter into consultations, at the request of any of them, with a view to achieving acceptable solutions regarding measures to be adopted in order to prevent significant transboundary harm or at any event to minimize the risk thereof. The States concerned shall agree, at the commencement of such consultations, on a reasonable time frame for the consultations.

2. The States concerned shall seek solutions based on an equitable balance of interests in the light of article 10.

3. If the consultations referred to in paragraph 1 fail to produce an agreed solution, the State of origin shall nevertheless take into account the interests of the State likely to be affected in case it decides to authorize the activity to be pursued, without prejudice to the rights of any State likely to be affected.

Commentary

(1) Article 9 requires the States concerned, that is, the State of origin and the States that are likely to be affected, to enter into consultations in order to agree on the measures to prevent significant transboundary harm, or at any event to minimize the risk thereof. Depending upon the time at which article 9 is invoked, consultations may be prior to authorization and commencement of an activity or during its performance.

(2) There is a need to maintain a balance between two equally important considerations in this article. First, the article deals with activities that are not prohibited by international law and that, normally, are important to the economic development of the State of origin. Secondly, it would be unfair to other States to allow those activities to be conducted without consulting them and taking appropriate preventive measures. Therefore, the article does not provide a mere formality which the State of origin has to go through with no real intention of reaching a solution acceptable to the other States, nor does it provide a right of veto for the States that are likely to be affected. To maintain a balance, the article relies on the manner in which, and purpose for which, the parties enter into consultations. The parties must enter into consultations in good faith and must take into account each other’s legitimate interests. The parties should consult each other with a view to arriving at an acceptable solution regarding the measures to be adopted to prevent significant transboundary harm, or at any event to minimize the risk thereof.

(3) The principle of good faith is an integral part of any requirement of consultations and negotiations. The obligation to consult and negotiate genuinely and in good faith was recognized in the Lake Lanoux award where the tribunal stated that:
Consultations and negotiations between the two States must be genuine, must comply with the rules of good faith and must not be mere formalities. The rules of reason and good faith are applicable to procedural rights and duties relative to the sharing of the use of international rivers.915

(4) With regard to this particular point about good faith, the judgment of ICJ in the Fisheries Jurisdiction case is also relevant. There the Court stated that “[t]he task [of the parties] will be to conduct their negotiations on the basis that each must in good faith pay reasonable regard to the legal rights of the other”.916 In the North Sea Continental Shelf cases the Court held that:

(a) [T]he parties are under an obligation to enter into negotiations with a view to arriving at an agreement, and not merely to go through a formal process of negotiation as a sort of prior condition for the automatic application of a certain method of delimitation in the absence of agreement; they are under an obligation so to conduct themselves that the negotiations are meaningful, which will not be the case when either of them insists upon its own position without contemplating any modification of it.917

Even though the Court in this judgment speaks of “negotiations”, it is believed that the good-faith requirement in the conduct of the parties during the course of consultation or negotiations is the same.

(5) The purpose of consultations is for the parties to find acceptable solutions regarding measures to be adopted in order to prevent significant transboundary harm, or at any event to minimize the risk thereof. The words “acceptable solutions”, regarding the adoption of preventive measures, refer to those measures that are accepted by the parties within the guidelines specified in paragraph 2. Generally, the consent of the parties on measures of prevention will be expressed by means of some form of agreement.

(6) The parties should obviously aim, first, at selecting those measures which may avoid any risk of causing significant transboundary harm or, if that is not possible, which minimize the risk of such harm. Under the terms of article 4, the parties are required, moreover, to cooperate in the implementation of such measures. This requirement, again, stems from the assumption that the obligation of due diligence, the core base of the provisions intended to prevent significant transboundary harm, or at any event to minimize the risk thereof, is of a continuous nature affecting every stage related to the conduct of the activity.

(7) Article 9 may be invoked whenever there is a question about the need to take preventive measures. Such questions obviously may arise as a result of article 8, because a notification to other States has been made by the State of origin that an activity it intends to undertake may pose a risk of causing significant transboundary harm, or in the course of the exchange of information under article 12 or in the context of article 11 on procedures in the absence of notification.

(8) Article 9 has a broad scope of application. It is to apply to all issues related to preventive measures. For example, when parties notify under article 8 or exchange information under article 12 and there are ambiguities in those communications, a request for consultations may be made simply in order to clarify those ambiguities.

(9) Paragraph 2 provides guidance for States when consulting each other on preventive measures. The parties shall seek solutions based on an equitable balance of interests in the light of article 10. Neither paragraph 2 of this article nor article 10 precludes the parties from taking account of other factors which they perceive as relevant in achieving an equitable balance of interests.

(10) Paragraph 3 deals with the possibility that, despite all efforts by the parties, they cannot reach an agreement on acceptable preventive measures. As explained in paragraph (3) above, the article maintains a balance between the two considerations, one of which is to deny the States likely to be affected a right of veto. In this context, the Lake Lanoux award may be recalled where the tribunal noted that, in certain situations, the party that was likely to be affected might, in violation of good faith, paralyse genuine negotiation efforts.918 To take account of this possibility, the article provides that the State of origin is permitted to go ahead with the activity, for the absence of such an alternative would, in effect, create a right of veto for the States likely to be affected. The State of origin, while permitted to go ahead with the activity, is still obligated, as measure of self-regulation, to take into account the interests of the States likely to be affected. As a result of consultations, the State of origin is aware of the concerns of the States likely to be affected and is in a better position to seriously take them into account in carrying out the activity. The last part of paragraph 3 preserves the rights of States likely to be affected.

Article 10. Factors involved in an equitable balance of interests

In order to achieve an equitable balance of interests as referred to in paragraph 2 of article 9, the States concerned shall take into account all relevant factors and circumstances, including:

(a) the degree of risk of significant transboundary harm and of the availability of means of preventing such harm, or minimizing the risk thereof or repairing the harm;

(b) the importance of the activity, taking into account its overall advantages of a social, economic and technical character for the State of origin in relation to the potential harm for the State likely to be affected;

(c) the risk of significant harm to the environment and the availability of means of preventing such harm, or minimizing the risk thereof or restoring the environment;

(d) the degree to which the State of origin and, as appropriate, the State likely to be affected are prepared to contribute to the costs of prevention;

915 See footnote 873 above.
916 Fisheries Jurisdiction (United Kingdom v. Iceland), Merits, Judgment, I.C.J. Reports 1974, p. 53, para. 78.
917 North Sea Continental Shelf (see footnote 197 above), para. 85. See also paragraph 87.
918 See footnote 873 above.
(e) the economic viability of the activity in relation to the costs of prevention and to the possibility of carrying out the activity elsewhere or by other means or replacing it with an alternative activity;

(f) the standards of prevention which the State likely to be affected applies to the same or comparable activities and the standards applied in comparable regional or international practice.

Commentary

(1) The purpose of this article is to provide some guidance for States which are engaged in consultations seeking to achieve an equitable balance of interests. In reaching an equitable balance of interests, the facts have to be established and all the relevant factors and circumstances weighed. This article draws its inspiration from article 6 of the Convention on the Law of the Non-navigational Uses of International Watercourses.

(2) The main clause of the article provides that in order “to achieve an equitable balance of interests as referred to in paragraph 2 of article 9, the States concerned shall take into account all relevant factors and circumstances”. The article proceeds to set forth a non-exhaustive list of such factors and circumstances. The wide diversity of types of activities which is covered by these articles, and the different situations and circumstances in which they will be conducted, make it impossible to compile an exhaustive list of factors relevant to all individual cases. No priority or weight is assigned to the factors and circumstances listed, since some of them may be more important in certain cases while others may deserve to be accorded greater weight in other cases. In general, the factors and circumstances indicated will allow the parties to compare the costs and benefits which may be involved in a particular case.

(3) Subparagraph (a) compares the degree of risk of significant transboundary harm to the availability of means of preventing such harm or minimizing the risk thereof and the possibility of repairing the harm. For example, the degree of risk of harm may be high, but there may be measures that can prevent the harm or reduce that risk, or there may be possibilities for repairing the harm. The comparisons here are both quantitative and qualitative.

(4) Subparagraph (b) compares the importance of the activity in terms of its social, economic and technical advantages for the State of origin and the potential harm to the States likely to be affected. The Commission in this context recalls the decision in the Donauversinkung case where the court stated that:

The interests of the States in question must be weighed in an equitable manner one against another. One must consider not only the actual injury caused to the neighbouring State, but also the relation of the advantage gained by the one to the injury caused to the other.919

In more recent times, States have negotiated what might be seen as equitable solutions to transboundary disputes; agreements concerning French potassium emissions into the Rhine, pollution of United States–Mexican boundary waters, and North American and European acid rain all display elements of this kind.920

(5) Subparagraph (c) compares, in the same fashion as subparagraph (a), the risk of significant harm to the environment and the availability of means of preventing such harm, or minimizing the risk thereof and the possibility of restoring the environment. It is necessary to emphasize the particular importance of protection of the environment. Principle 15 of the Rio Declaration is relevant to this subparagraph. Requiring that the precautionary approach be widely applied to States according to their capabilities, principle 15 states:

Where there are threats of serious or irreversible damage, lack of full scientific certainty shall not be used as a reason for postponing cost-effective measures to prevent environmental degradation.921

(6) The precautionary principle was affirmed in the “pan-European” Bergen Ministerial Declaration on Sustainable Development in the ECE Region, adopted in May 1990 by the ECE member States. It stated that: “Environmental measures must anticipate, prevent and attack the causes of environmental degradation. Where there are threats of serious or irreversible damage, lack of full scientific certainty should not be used as a reason for postponing measures to prevent environmental degradation.”922 The precautionary principle was recommended by the UNEP Governing Council in order to promote the prevention and elimination of marine pollution, which is increasingly becoming a threat to the marine environment and a cause of human suffering.923 The precautionary principle has also been referred to or incorporated without any explicit reference in various other conventions.924

919 Streitsache des Landes Wurttemberg und des Landes Preussen gegen das Land Baden (Wurttemberg and Prussia v. Baden), betreffend die Donauversinkung, German Staatsgerichtshof, 18 June 1927, Entscheidungen des Reichsgerichts in Zivilsachen (Berlin), vol. 116, appendix, pp. 18 et seq.; see also A. McNair and H. Lauterbach, eds., Annual Digest of Public International Law Cases, 1927 and 1928 (London, [footnote 857 above]).


921 See footnote 857 above.


924 See article 4, paragraph 3, of the Bamako Convention on the Ban of the Import into Africa and the Control of Transboundary Movement and Management of Hazardous Wastes within Africa; article 4, paragraph 3, of the United Nations Framework Convention on Climate Change; article 174 (ex-article 130r) of the Treaty establishing the European Community as amended by the Treaty of Amsterdam; and article 2 of the Vienna Convention for the Protection of the Ozone Layer. It may be noted that previous treaties apply the precautionary principle in a very general sense without making any explicit reference to it.
(7) According to the Rio Declaration, the precautionary principle constitutes a very general rule of conduct of prudence. It implies the need for States to review their obligations of prevention in a continuous manner to keep abreast of the advances in scientific knowledge.\footnote{925} ICJ in its judgment in the Gabčíkovo-Nagymaros Project case invited the parties to “look afresh at the effects on the environment of the operation of the Gabčíkovo power plant”, built on the Danube pursuant to the Treaty on the Construction and Operation of the Gabčíkovo-Nagymaros Barrage System of 1977, in the light of the new requirements of environmental protection.\footnote{926}

(8) States should consider suitable means to restore, as far as possible, the situation existing prior to the occurrence of harm. It is considered that this should be highlighted as a factor to be taken into account by States concerned which should adopt environmentally friendly measures.

(9) Subparagraph (d) provides that one of the elements determining the choice of preventive measures is the willingness of the State of origin and States likely to be affected to contribute to the cost of prevention. For example, if the States likely to be affected are prepared to contribute to the expense of preventive measures, it may be reasonable, taking into account other factors, to expect the State of origin to take more costly but more effective preventive measures. This, however, should not underplay the measures the State of origin is obliged to take under these articles.

(10) These considerations are in line with the basic policy of the so-called polluter-pays principle. This principle was initiated first by the Council of OECD in 1972.\footnote{927} The polluter-pays principle was given cognizance at the global level when it was adopted as principle 16 of the Rio Declaration. It noted:

National authorities should endeavour to promote the internalization of environmental costs and the use of economic instruments, taking into account the approach that the polluter should, in principle, bear the cost of pollution, with due regard to the public interest and without distorting international trade and investment.\footnote{928}

This is conceived as the most efficient means of allocating the cost of pollution prevention and control measures so as to encourage the rational use of scarce resources. It also encourages internalization of the cost of publicly mandated technical measures in preference to inefficiencies and competitive distortions in governmental subsidies.\footnote{929} This principle is specifically referred to in article 174 (ex-article 130r) of the Treaty establishing the European Community as amended by the Treaty of Amsterdam.

(11) The expression “as appropriate” indicates that the State of origin and the States likely to be affected are not put on the same level as regards the contribution to the costs of prevention. States concerned frequently embark on negotiations concerning the distribution of costs for preventive measures. In so doing, they proceed from the basic principle derived from article 3 according to which these costs are to be assumed by the operator or the State of origin. These negotiations mostly occur in cases where there is no agreement on the amount of the preventive measures and where the affected State contributes to the costs of preventive measures in order to ensure a higher degree of protection that it desires over and above what is essential for the State of origin to ensure. This link between the distribution of costs and the amount of preventive measures is in particular reflected in subparagraph (d).

(12) Subparagraph (e) introduces a number of factors that must be compared and taken into account. The economic viability of the activity must be compared to the costs of prevention. The cost of the preventive measures should not be so high as to make the activity economically non-viable. The economic viability of the activity should also be assessed in terms of the possibility of changing the location, or conducting it by other means, or replacing it with an alternative activity. The words “carrying out the activity... by other means” intend to take into account, for example, a situation in which one type of chemical substance used in the activity, which might be the source of transboundary harm, could be replaced by another chemical substance; or mechanical equipment in the plant or the factory could be replaced by different equipment. The words “replacing [the activity] with an alternative activity” are intended to take account of the possibility that the same or comparable results may be reached by another activity with no risk, or lower risk, of significant transboundary harm.


\footnote{926} See OECD Council recommendation C(72)128 on Principles relative to transfrontier pollution (OECD, Guiding Principles concerning International Economic Aspects of Environmental Policies) and OECD environment directive on equal right of access and non-discrimination in relation to transfrontier pollution, mentioned in the “Survey of liability regimes ...” (footnote 846 above), paras. 102–130.

\footnote{927} See footnote 857 above.

(13) According to subparagraph (f), States should also take into account the standards of prevention applied to the same or comparable activities in the State likely to be affected, other regions or, if they exist, the international standards of prevention applicable for similar activities. This is particularly relevant when, for example, the States concerned do not have any standard of prevention for such activities, or they wish to improve their existing standards.

Article 11. Procedures in the absence of notification

1. If a State has reasonable grounds to believe that an activity planned or carried out in the State of origin may involve a risk of causing significant transboundary harm to it, it may request the State of origin to apply the provision of article 8. The request shall be accompanied by a documented explanation setting forth its grounds.

2. In the event that the State of origin nevertheless finds that it is not under an obligation to provide a notification under article 8, it shall so inform the requesting State within a reasonable time, providing a documented explanation setting forth the reasons for such finding. If this finding does not satisfy that State, at its request, the two States shall promptly enter into consultations in the manner indicated in article 9.

3. During the course of the consultations, the State of origin shall, if so requested by the other State, arrange to introduce appropriate and feasible measures to minimize the risk and, where appropriate, to suspend the activity in question for a reasonable period.

Commentary

(1) Article 11 addresses the situation in which a State, although it has received no notification about an activity in accordance with article 8, becomes aware that an activity is being carried out in the State of origin, either by the State itself or by a private operator, and believes, on reasonable grounds, that the activity carries a risk of causing it significant harm.

(2) The expression “a State” is not intended to exclude the possibility that more than one State could entertain the belief that a planned activity could adversely affect them in a significant way. The words “apply the provision of article 8” should not be taken as suggesting that the State which intends to authorize or has authorized an activity has necessarily failed to comply with its obligations under article 8. In other words, the State of origin may have made an assessment of the potential of the planned activity for causing significant transboundary harm and concluded in good faith that no such effects would result therefrom. Paragraph 1 allows a State to request that the State of origin take a “second look” at its assessment and conclusion, and does not prejudge the question whether the State of origin initially complied with its obligations under article 8.

(3) The State likely to be affected could make such a request, however, only upon satisfaction of two conditions. The first is that the requesting State must have “reasonable grounds to believe” that the activity in question may involve a risk of causing significant transboundary harm. The second is that the requesting State must provide a “documented explanation setting forth its grounds”. These conditions are intended to require that the requesting State have more than a vague and unsubstantiated apprehension. A serious and substantiated belief is necessary, particularly in view of the possibility that the State of origin may be required to suspend implementation of its plans under paragraph 3 of article 11.

(4) The first sentence of paragraph 2 deals with the case in which the planning State concludes, after taking a “second look” as described in paragraph (2) of the present commentary, that it is not under an obligation to provide a notification under article 8. In such a situation, paragraph 2 seeks to maintain a fair balance between the interests of the States concerned by requiring the State of origin to provide the same kind of justification for its finding as was required of the requesting State under paragraph 1. The second sentence of paragraph 2 deals with the case in which the finding of the State of origin does not satisfy the requesting State. It requires that, in such a situation, the State of origin promptly enter into consultations with the other State (or States), at the request of the latter. The consultations are to be conducted in the manner indicated in paragraphs 1 and 2 of article 9. In other words, their purpose is to achieve “acceptable solutions” regarding measures to be adopted in order to prevent significant transboundary harm or at any event to minimize the risk thereof, and that the solutions to be sought should be “based on an equitable balance of interests”. These phrases are discussed in the commentary to article 9.

(5) Paragraph 3 requires the State of origin to introduce appropriate and feasible measures to minimize the risk and, where appropriate, to suspend the activity in question for a reasonable period, if it is requested to do so by the other State during the course of consultations. States concerned could also agree otherwise.

(6) Similar provisions have been provided for in other legal instruments. Article 18 of the Convention on the Law of the Non-navigational Uses of International Watercourses, and article 3, paragraph 7, of the Convention on Environmental Impact Assessment in a Transboundary Context also contemplate a procedure whereby a State likely to be affected by an activity can initiate consultations with the State of origin.

Article 12. Exchange of information

While the activity is being carried out, the States concerned shall exchange in a timely manner all available information concerning that activity relevant to preventing significant transboundary harm or at any event minimizing the risk thereof. Such an exchange of information shall continue until such time as the States concerned consider it appropriate even after the activity is terminated.
Commentary

(1) Article 12 deals with steps to be taken after an activity has been undertaken. The purpose of all these steps is the same as previous articles, viz. to prevent significant transboundary harm or at any event to minimize the risk thereof.

(2) Article 12 requires the State of origin and the States likely to be affected to exchange information regarding the activity after it has been undertaken. The phrase “concerning that activity” after the words “all available information” is intended to emphasize the link between the information and the activity and not any information. The duty of prevention based on the concept of due diligence is not a one-time effort but requires continuous effort. This means that due diligence is not terminated after granting authorization for the activity and undertaking the activity; it continues in respect of monitoring the implementation of the activity as long as the activity continues.

(3) The information that is required to be exchanged, under article 12, is whatever would be useful, in the particular instance, for the purpose of prevention of risk of significant harm. Normally, such information comes to the knowledge of the State of origin. However, when the State that is likely to be affected has any information which might be useful for prevention purposes, it should make it available to the State of origin.

(4) The requirement of exchange of information is fairly common in conventions designed to prevent or reduce environmental and transboundary harm. These conventions provide for various ways of gathering and exchanging information, either between the parties or through providing the information to an international organization which makes it available to other States.930 In the context of these articles, where the activities are most likely to involve a few States, the exchange of information is effected between the States directly concerned. Where the information might affect a large number of States, relevant information may be exchanged through other avenues, such as, for example, competent international organizations.

(5) Article 12 requires that such information should be exchanged in a timely manner. This means that when the State becomes aware of such information, it should inform the other States quickly so that there will be enough time for the States concerned to consult on appropriate preventive measures or the States likely to be affected will have sufficient time to take proper actions.

930 For example, article 10 of the Convention for the Prevention of Marine Pollution from Land-based Sources, article 200 of the United Nations Convention on the Law of the Sea and article 4 of the Vienna Convention for the Protection of the Ozone Layer speak of individual or joint research by the States parties on prevention or reduction of pollution and of transmitting to each other directly or through a competent international organization the information so obtained. The Convention on Long-Range Transboundary Air Pollution provides for research and exchange of information regarding the impact of activities undertaken by the States parties. Examples are found in other instruments such as section VI, para. 1 (b) (ii), of the Code of Conduct on Accidental Pollution of Transboundary Inland Waters (see footnote 871 above), article 17 of the Convention on Biological Diversity and article 13 of the Convention on the Protection and Use of Transboundary Watercourses and International Lakes.

(6) There is no requirement in the article as to the frequency of exchange of information. The requirement of article 12 comes into operation only when States have any information which is relevant to preventing transboundary harm or at any rate to minimizing the risk thereof.

(7) The second sentence of article 12 is designed to ensure exchange of information under this provision not only while an activity is “carried out”, but even after it ceases to exist, if the activity leaves behind by-products or materials associated with the activity which require monitoring to avoid the risk of significant transboundary harm. An example in this regard is nuclear activity which leaves behind nuclear waste even after the activity is terminated. But it is a recognition of the fact that the consequences of certain activities even after they are terminated continue to pose a significant risk of transboundary harm. Under these circumstances, the obligations of the State of origin do not end with the termination of the activity.

Article 13. Information to the public

States concerned shall, by such means as are appropriate, provide the public likely to be affected by an activity within the scope of the present articles with relevant information relating to that activity, the risk involved and the harm which might result and ascertain their views.

Commentary

(1) Article 13 requires States, whenever possible and by such means as are appropriate, to provide the public likely to be affected, whether their own or that of other States, with information relating to the risk and harm that might result from an activity to ascertain their views thereon. The article therefore requires States (a) to provide information to the public regarding the activity and the risk and the harm it involves; and (b) to ascertain the views of the public. It is, of course, clear that the purpose of providing information to the public is to allow its members to inform themselves and then to ascertain their views. Without that second step, the purpose of the article would be defeated.

(2) The content of the information to be provided to the public includes information about the activity itself as well as the nature and the scope of risk and harm that it entails. Such information is contained in the documents accompanying the notification which is effected in accordance with article 8 or in the assessment which may be carried out by the requesting State under article 11.

(3) This article is inspired by new trends in international law, in general, and environmental law, in particular, of seeking to involve, in the decision-making processes, individuals whose lives, health, property and environment might be affected by providing them with a chance to present their views and be heard by those responsible for making the ultimate decisions.
(4) Principle 10 of the Rio Declaration provides for public involvement in decision-making processes as follows:

Environmental issues are best handled with the participation of all concerned citizens, at the relevant level. At the national level, each individual shall have appropriate access to information concerning the environment that is held by public authorities, including information on hazardous materials and activities in their communities, and the opportunity to participate in decision-making processes. States shall facilitate and encourage public awareness and participation by making information widely available. Effective access to judicial and administrative proceedings, including redress and remedy, shall be provided.

(5) A number of other recent international instruments dealing with environmental issues have required States to provide the public with information and to give it an opportunity to participate in decision-making processes. Section VII, paragraphs 1 and 2, of the Code of Conduct on Accidental Pollution of Transboundary Inland Waters is relevant in that context:

1. In order to promote informed decision-making by central, regional or local authorities in proceedings concerning accidental pollution of transboundary inland waters, countries should facilitate participation of the public likely to be affected in hearings and preliminary inquiries and the making of objections in respect of proposed decisions, as well as recourse to and standing in administrative and judicial proceedings.

2. Countries of incident should take all appropriate measures to provide physical and legal persons exposed to a significant risk of accidental pollution of transboundary inland waters with sufficient information to enable them to exercise the rights accorded to them by national law in accordance with the objectives of this Code.

Article 3, paragraph 8, of the Convention on Environmental Impact Assessment in a Transboundary Context; article 17 of the Convention on the Protection of the Marine Environment of the Baltic Sea Area; article 6 of the United Nations Framework Convention on Climate Change; the Convention on the Protection and Use of Transboundary Watercourses and International Lakes (art. 16); the Convention on the Transboundary Effects of Industrial Accidents (art. 9 and annex VIII); article 12 of the Convention on the Law of the Non-navigational Uses of International Watercourses; the Convention on Access to Information, Public Participation in Decision-making and Access to Justice in Environmental Matters; the European Council directives 90/313/EEC on the freedom of access to information on the environment and 96/82/EC on the control of major-accident hazards involving dangerous substances; and OECD Council recommendation C(74)224 on Principles concerning transfrontier pollution all provide for information to the public.

(6) There are many modalities for participation in decision-making processes. Reviewing data and information on the basis of which decisions will be based and having an opportunity to confirm or challenge the accuracy of the facts, the analysis and the policy considerations either through administrative tribunals, courts, or groups of concerned citizens is one way of participation in decision-making. This form of public involvement enhances the efforts to prevent transboundary and environmental harm.

(7) The obligation contained in article 13 is circumscribed by the phrase “by such means as are appropriate”, which is intended to leave the ways in which such information could be provided to the States, their domestic law requirements and the State policy as to, for example, whether such information should be provided through media, non-governmental organizations, public agencies and local authorities. In the case of the public beyond a State’s borders, information may be provided, as appropriate, through the good offices of the State concerned, if direct communication is not feasible or practical.

(8) Further, the State that might be affected, after receiving notification and information from the State of origin and before responding to the notification shall, by such means as are appropriate, inform those parts of its own public likely to be affected.

(9) “Public” includes individuals, interest groups (non-governmental organizations) and independent experts. General “public”, however, refers to individuals who are not organized into groups or affiliated to specific groups. Public participation could be encouraged by holding public meetings or hearings. The public should be given the opportunity for consultation and their participation should be facilitated by providing them with necessary information on the proposed policy, plan or programme under consideration. It must, however, be understood that requirements of confidentiality may affect the extent of public participation in the assessment process. It is also common that the public is not involved, or only minimally involved, in efforts to determine the scope of a policy, plan or programme. Public participation in the review of a draft document or environmental impact assessment would be useful in obtaining information regarding concerns related to the proposed action, additional alternatives and potential environmental impact.

(10) Apart from the desirability of encouraging public participation in national decision-making on vital issues regarding development and the tolerance levels of harm in order to enhance the legitimacy of and compliance with the decisions taken, it is suggested that, given the development of human rights law, public participation could also be viewed as a growing right under national law as well as international law.

Article 14. National security and industrial secrets

Data and information vital to the national security of the State of origin or to the protection of industrial secrets or concerning intellectual property may

931 See footnote 857 above.
932 See footnote 871 above.
935 See footnote 875 above.
936 See ECE, Application of Environmental Impact Assessment Principles ... (footnote 901 above), pp. 4 and 8.
be withheld, but the State of origin shall cooperate in good faith with the State likely to be affected in providing as much information as possible under the circumstances.

Commentary

(1) Article 14 is intended to create a narrow exception to the obligation of States to provide information in accordance with articles 8, 12 and 13. States are not obligated to disclose information that is vital to their national security. This type of clause is not unusual in treaties which require exchange of information. Article 31 of the Convention on the Law of the Non-navigational Uses of International Watercourses also provides for a similar exception to the requirement of disclosure of information vital to national defence or security.

(2) Article 14 includes industrial secrets and information protected by intellectual property in addition to national security. Although industrial secrets are a part of the intellectual property rights, both terms are used to give sufficient coverage to protected rights. In the context of these articles, it is highly probable that some of the activities which come within the scope of article 1 might involve the use of sophisticated technology involving certain types of information which are protected under the domestic law. Normally, domestic laws of States determine the information that is considered an industrial secret and provide protection for them. This type of safeguard clause is not unusual in legal instruments dealing with exchange of information relating to industrial activities. For example, article 8 of the Convention on the Protection and Use of Transboundary Watercourses and International Lakes and article 2, paragraph 8, of the Convention on Environmental Impact Assessment in a Transboundary Context provide for similar protection of industrial and commercial secrecy.

(3) Article 14 recognizes the need for balance between the legitimate interests of the State of origin and the States that are likely to be affected. It therefore requires the State of origin that is withholding information on the grounds of security or industrial secrecy to cooperate in good faith with the other States in providing as much information as possible under the circumstances. The words “as much information as possible” include, for example, the general description of the risk and the type and the extent of harm to which a State may be exposed. The words “under the circumstances” refer to the conditions invoked for withholding the information. Article 14 essentially encourages and relies on the good-faith cooperation of the parties.

Article 15. Non-discrimination

Unless the States concerned have agreed otherwise for the protection of the interests of persons, natural or juridical, who may be or are exposed to the risk of significant transboundary harm as a result of an activity within the scope of the present articles, a State shall not discriminate on the basis of nationality or residence or place where the injury might occur, in granting to such persons, in accordance with its legal system, access to judicial or other procedures to seek protection or other appropriate redress.

Commentary

(1) This article sets out the basic principle that the State of origin is to grant access to its judicial and other procedures without discrimination on the basis of nationality, residence or the place where the injury might occur. The content of this article is based on article 32 of the Convention on the Law of the Non-navigational Uses of International Watercourses.

(2) Article 15 contains two basic elements, namely, non-discrimination on the basis of nationality or residence and non-discrimination on the basis of where the injury might occur. The rule set forth obliges States to ensure that any person, whatever his nationality or place of residence, who might suffer significant transboundary harm as a result of activities referred to in article 1 should, regardless of where the harm might occur, receive the same treatment as that afforded by the State of origin to its nationals in case of possible domestic harm. It is not intended that this obligation should affect the existing practice in some States of requiring that non-residents or aliens post a bond, as a condition of utilizing the court system, to cover court costs or other fees. Such a practice is not “discriminatory” under the article, and is taken into account by the phrase “in accordance with its legal system”.

(3) Article 15 also provides that the State of origin may not discriminate on the basis of the place where the damage might occur. In other words, if significant harm may be caused in State A as a result of an activity referred to in article 1 in State B, State B may not bar an action on the grounds that the harm would occur outside its jurisdiction.

(4) This rule is residual, as indicated by the phrase “unless the States concerned have agreed otherwise”. Accordingly, States concerned may agree on the best means of providing protection or redress to persons who may suffer a significant harm, for example through a bilateral agreement. States concerned are encouraged under the present articles to agree on a special regime dealing with activities with the risk of significant transboundary harm. In such arrangements, States may also provide for ways and means of protecting the interests of the persons concerned in case of significant transboundary harm. The phrase “for the protection of the interests of persons” has been used to make it clear that the article is not intended to suggest that States can decide by mutual agreement to discriminate in granting access to their judicial or other procedures or a right to compensation. The purpose of the inter-State agreement should always be the protection of the interests of the victims of the harm.

(5) Precedents for the obligation contained in this article may be found in international agreements and in recommendations of international organizations. For example, the Convention on the Protection of the Environment between Denmark, Finland, Norway and Sweden in its article 3 provides as follows:
Any person who is affected or may be affected by a nuisance caused by environmentally harmful activities in another contracting State shall have the right to bring before the appropriate Court or Administrative Authority of the State to which the question of the permissibility of such activities, including the question of measures to prevent damage, and to appeal against the decision of the Court or the Administrative Authority to the same extent and on the same terms as a legal entity of the State in which the activities are being carried out.

The provisions of the first paragraph of this article shall be equally applicable in the case of proceedings concerning compensation for damage caused by environmentally harmful activities. The question of compensation shall not be judged by rules which are less favourable to the injured Party than the rules of compensation of the State in which the activities are being carried out.938

(6) The OECD Council has adopted recommendation C(77)28(Final) on implementation of a regime of equal right of access and non-discrimination in relation to transfrontier pollution. Paragraph 4, subparagraph (a), of the annex to that recommendation provides as follows:

Countries of origin should ensure that any person who has suffered transfrontier pollution damage or is exposed to a significant risk of transfrontier pollution shall at least receive equivalent treatment to that afforded in the Country of origin in cases of domestic pollution and in comparable circumstances, to persons of equivalent condition or status.939

Article 16. Emergency preparedness

The State of origin shall develop contingency plans for responding to emergencies, in cooperation, where appropriate, with the State likely to be affected and competent international organizations.

Commentary

(1) This article contains an obligation that calls for anticipatory rather than responsive action. The text of article 16 is based on article 28, paragraph 4, of the Convention on the Law of the Non-navigational Uses of International Watercourses which reads:

When necessary, watercourse States shall jointly develop contingency plans for responding to emergencies, in cooperation, where appropriate, with other potentially affected States and competent international organizations.

The need for the development of contingency plans for responding to possible emergencies is well recognized.940

938 Similar provisions may be found in article 2, paragraph 6, of the Convention on Environmental Impact Assessment in a Transboundary Context; the Guidelines on responsibility and liability regarding transboundary water pollution, part I.E.8, prepared by the ECE Task Force on responsibility and liability regarding transboundary water pollution (document ENVWA/R.45, annex); and paragraph 6 of the Draft ECE Charter on environmental rights and obligations, prepared at a meeting of experts on environmental law, 25 February to 1 March 1991 (document ENVWA/R.38, annex 1).

939 OECD, OECD and the Environment (see footnote 875 above), p. 150. This is also the main thrust of principle 14 of the Principles of experts on environmental law, 25 February to 1 March 1991 (document ENVWA/A/R.45, annex); and paragraph 6 of the Draft ECE Charter on environmental rights and obligations, prepared at a meeting of experts on environmental law, 25 February to 1 March 1991 (document ENVWA/R.38, annex 1).

940 OECD, OECD and the Environment (see footnote 875 above), p. 150. This is also the main thrust of principle 14 of the Principles of conduct in the field of the environment for the guidance of States in the conservation and harmonious utilization of natural resources shared by two or more States (see footnote 862 above). A discussion of the principle of equal access may be found in S. van Hoogstraten, “L’égalité d’accès: pollution transfrontière”, Environmental Policy and Law, vol. 2, No. 2 (June 1976), p. 77.


942 For establishment of joint commissions, see, for example, the Indus Waters Treaty, 1960 and the Agreement for the Protection of the Rhine against Chemical Pollution.

943 For a mention of these agreements, see E. Brown Weiss, loc. cit. (see footnote 940 above), p. 148.

It is suggested that the duty to prevent environmental disasters obligates States to enact safety measures and procedures to minimize the likelihood of major environmental accidents, such as nuclear reactor accidents, toxic chemical spills, oil spills or forest fires. Where necessary, specific safety or contingency measures are open to States to negotiate and agree in matters concerning management of risk of significant transboundary harm, such safety measures could include: (a) adoption of safety standards for the location and operation of industrial and nuclear plants and vehicles; (b) maintenance of equipment and facilities to ensure ongoing compliance with safety measures; (c) monitoring of facilities, vehicles or conditions to detect dangers; and (d) training of workers and monitoring of their performance to ensure compliance with safety standards. Such contingency plans should include establishment of early warning systems.

(2) While States of origin bear the primary responsibility for developing contingency plans, in many cases it will be appropriate to prepare them in cooperation with other States likely to be affected and competent international organizations. For example, the contingency plans may necessitate the involvement of other States likely to be affected, as well as international organizations with competence in the particular field.941 In addition, the coordination of response efforts might be most effectively handled by a competent international organization of which the States concerned are members.

(3) Development of contingency plans are also better achieved through establishment of common or joint commissions composed of members representing all States concerned. National points of contact would also have to be established to review matters and employ the latest means of communication to suit early warnings.942 Contingency plans to respond to marine pollution disasters are well known. Article 199 of the United Nations Convention on the Law of the Sea requires States to develop such plans. The obligation to develop contingency plans is also found in certain bilateral and multilateral agreements concerned with forest fires, nuclear accidents and other environmental catastrophes.943 The Convention for the Protection of the Natural Resources and Environment of the South Pacific Region provides in article 15 that the “Parties shall develop and promote individual
Article 17. Notification of an emergency

The State of origin shall, without delay and by the most expeditious means, at its disposal, notify the State likely to be affected of an emergency concerning an activity within the scope of the present articles and provide it with all relevant and available information.

Commentary

(1) This article deals with the obligations of States of origin in responding to an actual emergency situation. The provision is based on article 28, paragraph 2, of the Convention on the Law of the Non-navigational Uses of International Watercourses which reads:

>A watercourse State shall, without delay and by the most expeditious means available notify other potentially affected States and competent international organizations of any emergency originating within its territory.

Similar obligations are also contained, for example, in Principle 18 of the Rio Declaration;944 the Convention on Early Notification of a Nuclear Accident;945 article 198 of the United Nations Convention on the Law of the Sea; article 14, paragraph 1 (d) of the Convention on Biological Diversity; article 5, paragraph 1 (c), of the International Convention on Oil Pollution Preparedness, Response and Cooperation, 1990 and a number of other agreements concerning international watercourses.946

(2) According to this article, the seriousness of the harm involved together with the suddenness of the emergency’s occurrence justifies the measures required. However, suddenness does not denote that the situation needs to be wholly unexpected. Early warning systems established or forecasting of severe weather disturbances could indicate that the emergency is imminent. This may give the States concerned some time to react and take reasonable, feasible and practical measures to avoid or at any event mitigate ill effects of such emergencies. The words “without delay” mean immediately upon learning of the emergency and the phrase “by the most expeditious means, at its disposal” indicates that the most rapid means of communication to which a State may have recourse is to be utilized.

(3) Emergencies could result from natural causes or human conduct. Measures to be taken in this regard are without prejudice to any claims of liability whose examination is outside the scope of the present articles.

Article 18. Relationship to other rules of international law

The present articles are without prejudice to any obligation incurred by States under relevant treaties or rules of customary international law.

Commentary

(1) Article 18 intends to make it clear that the present articles are without prejudice to the existence, operation or effect of any obligation of States under international law relating to an act or omission to which these articles apply. It follows that no inference is to be drawn from the fact that an activity falls within the scope of these articles, as to the existence or non-existence of any other rule of international law as to the activity in question or its actual or potential transboundary effects.

(2) The reference in article 18 to any obligation of States covers both treaty obligations and obligations under customary international law. It is equally intended to extend both to rules having a particular application, whether to a given region or a specified activity, and to rules which are universal or general in scope. This article does not purport to resolve all questions of future conflict of overlap between obligations under treaties and customary international law and obligations under the present articles.

Article 19. Settlement of disputes

1. Any dispute concerning the interpretation or application of the present articles shall be settled expeditiously through peaceful means of settlement chosen by mutual agreement of the parties to the dispute, including negotiations, mediation, conciliation, arbitration or judicial settlement.

2. Failing an agreement on the means for the peaceful settlement of the dispute within a period of six months, the parties to the dispute shall, at the request of any of them, have recourse to the establishment of an impartial fact-finding commission.
3. The Fact-finding Commission shall be composed of one member nominated by each party to the dispute and in addition a member not having the nationality of any of the parties to the dispute chosen by the nominated members who shall serve as Chairperson.

4. If more than one State is involved on one side of the dispute and those States do not agree on a common member of the Commission and each of them nomi-
nates a member, the other party to the dispute has the right to nominate an equal number of members of the Commission.

5. If the members nominated by the parties to the dispute are unable to agree on a Chairperson within three months of the request for the establishment of the Commission, any party to the dispute may request the Secretary-General of the United Nations to appoint a Chairperson who shall not have the nationali-
ity of any of the parties to the dispute. If one of the parties to the dispute fails to nominate a member within three months of the initial request pursuant to paragraph 2, any other party to the dispute may request the Secretary-General of the United Nations to appoint a person who shall not have the nationali-
ty of any of the parties to the dispute. The person so appointed shall constitute a single-member Commis-

6. The Commission shall adopt its report by a ma-

Commentary

(1) Article 19 provides a basic rule for the settlement of disputes arising from the interpretation or application of the regime of prevention set out in the present articles. The rule is residual in nature and applies where the States concerned do not have an applicable agreement for the settlement of such disputes.

(2) It is assumed that the application of this article would come into play only after States concerned have exhausted all the means of persuasion at their disposal through appropriate consultation and negotiations. These could take place as a result of the obligations imposed by the present articles or otherwise in the normal course of inter-State relations.

(3) Failing any agreement through consultation and negotiation, the States concerned are urged to continue to exert efforts to settle their dispute, through other peaceful means of settlement to which they may resort by mutual agreement, including mediation, conciliation, arbitration or judicial settlement. These are means of peaceful settlement of disputes set forth in Article 33 of the Charter of the United Nations, in the second paragraph of the relevant section of the Declaration on Principles of International Law concerning Friendly Relations and Cooperation among States in accordance with the Charter of the United Nations and in paragraph 5 of section I of the Manila Declaration on the Peaceful Settlement of International Disputes, which are open to States as free choices to be mutually agreed upon.

(4) If the States concerned are unable to reach an agreement on any of the means of peaceful settlement of disputes within a period of six months, paragraph 2 of article 19 obliges States, at the request of one of them, to have recourse to the appointment of an impartial fact-finding commission. Paragraphs 3, 4, and 5 of article 19 elaborate the compulsory procedure for the appointment of the fact-finding commission. This compulsory procedure is useful and necessary to help States to resolve their disputes expeditiously on the basis of an objective identification and evaluation of facts. Lack of proper appreciation of the correct and relevant facts is often at the root of differences or disputes among States.

(5) Resort to impartial fact-finding commissions is a well-known method incorporated in a number of bilateral or multilateral treaties, including the Covenant of the League of Nations, the Charter of the United Nations and the constituent instruments of certain specialized agencies and other international organizations within the United Nations system. Its potential to contribute to the settlement of international disputes is recognized by General Assembly resolution 1967 (XVIII) of 16 December 1963 on the “Question of methods of fact-finding” and the Declaration on Fact-Finding by the United Nations in the Field of the Maintenance of International Peace and Security adopted by the General Assembly in its resolution 46/59 of 9 December 1991, annex.

(6) By virtue of the mandate to investigate the facts and to clarify the questions in dispute, such commissions usually have the competence to arrange for hearings of the parties, the examination of witnesses or on-site visits.

(7) The report of the Commission usually should identify or clarify “facts”. Insofar as they involve no assessment or evaluation, they are generally beyond further contention. States concerned are still free to give such weight as they deem appropriate to these “facts” in arriving at a resolution of the dispute. However, article 19 requires the States concerned to give the report of the fact-finding commission a good-faith consideration at the least.

947 See footnote 273 above.
948 General Assembly resolution 37/10 of 15 November 1982, annex.
949 For an analysis of the various means of peaceful settlement of disputes and references to relevant international instruments, see Handbook on the Peaceful Settlement of Disputes between States (United Nations publication, Sales No. E.92.V.7).
951 The criteria of good faith are described in the commentary to article 9.