EXCHANGES OF INFORMATION: IMPLEMENTATION OF ARTICLES III(1) AND VII(5) OF THE TREATY

Introductory note

Article III(1) and VII(5) call for information to be provided by all who are active in the Antarctic about what they propose to do. Recommendation VIII-6 consolidates a number of earlier Recommendations providing for the annual exchanges of information and sets out a standard format for these exchanges. In addition to exchanges of information under the Treaty itself, considerable obligations to exchange information arise from the Protocol and its Annexes — notably Article 17 of the Protocol, Annex I Article 6, Annex II Article 5, Annex III Article 9 and Annex V Article 10. At St. Petersburg, the Parties adopted a Resolution that would provide a new format for the exchange of information.

ATCM XXIV: Resolution 6(2001): [Exchange of Information]

The Representatives,

Recalling Article III (1)a and Article VII(5) of the Antarctic Treaty;

Conscious of the obligations within the Protocol on Environmental Protection to the Antarctic Treaty and its Annexes to exchange information;

Conscious also of Recommendation VIII-6 and other commitments that the Parties have made with respect to keeping each other informed by regular or occasional exchanges;

Welcoming the decision taken at this meeting relating to the establishment of the Antarctic Treaty Secretariat in Buenos Aires; and

Desiring to ensure that the exchange of information between the Parties is conducted in the most efficient and timely way;

Recommend that Parties:

1. exchange information in accordance with Attachment 4 of the ATCM XXIV Final Report

2. provide this information to a central information exchange web site to be hosted by Argentina or provide that site with relevant links to where this information can be found; and

3. as a general principle, make that information publicly available.

Attachment A
Information Exchange Requirements

1. Pre-season Information

The following information should be submitted as early as possible, preferably by 1 October, and in any event no later than the start of the activities being reported.

1.1 Operational information

1.1.1 National Expeditions

A. Stations

- Names of wintering stations (giving region, latitude and longitude), maximum population and medical support available.
- Names of summer stations/bases and field camps (giving region, latitude, longitude), operating period, maximum population and medical support available.
- Names of refuges (region, latitude and longitude) medical facilities and accommodation capacity.
- Other major field activities, e.g. scientific traverse (giving locations)

B. Vessels

Name of vessels, country of registry of vessels, number of voyages, planned departure dates, areas of operation, ports of departure and arrival to and from Antarctica, and purpose of voyage (e.g. science deployment, resupply, change-over, oceanography, etc).

C. Aircraft

Type of aircraft, planned number of flights, period of flights or planned departure dates, routes and purpose.

D. Research Rockets

Coordinates of the place of launching, time and date/period, direction of launching, planned maximum altitude, impact area, type and specifications of rockets, purpose and title of research project.

E. Military

- Number of military personnel in expeditions, and rank of any officers.
- Number and types of armaments possessed by personnel.
- Number and types of armaments of ships and aircraft and information on military equipment, if any, and its location in the Antarctic Treaty Area.

1.1.2 Non-governmental Expeditions

A. Ship-based Operations

Name of operator, name of vessel, country of registry of vessel, number of voyages, planned departure dates, ports of departure and arrival to and from Antarctica, areas of operation including the names of proposed landing sites and the planned dates at which these landings will take place.

B. Land-based Operations

Name of expedition, method of transportation to, from and within Antarctica, type of

adventure/activity, location, dates of expedition, number of personnel involved, contact address, web-site address.

1.2 Visits to Protected Areas

Name and number of protected area, number of people permitted to visit, date/period and purpose.

2. Annual Report

The following information should be submitted as early as possible after the end of the austral summer season, but in all cases before 1 October, with a reporting period of 30 March to 1 April.

2.1 Scientific Information

2.1.1 Forward Plans

- Details of strategic or multi-year science plans or contact point for printed version.
- List of planned participations in major, international, collaborative science programs/projects.

2.1.2 Science Activities in Previous Year

List of research projects undertaken in previous year under science discipline (giving location and principal investigator).

2.2 Operational information

2.2.1 National expeditions

Update of information given under 1.1.1.

2.2.2 Non-governmental expeditions

Update of information given under 1.1.2.

2.3 Permit Information

2.3.1 Visits to Protected Areas

Update of information provided under 1.2.

2.3.2 Taking and harmful interference with flora and fauna

Species, location, amount, sex, age and purpose.

2.3.3 Introduction of non-native species

Species, location, amount and purpose.

2.4 Environmental Information

2.4.1 Compliance with the Protocol

New measures adopted during past year in accordance with Article 13 of the Protocol on Environmental Protection to the Antarctic Treaty giving description of measure, date of effect.

2.4.2 List of IEEs and CEEs

List of IEEs/CEEs undertaken during year giving proposed activity, location, level of assessment and decision taken.

2.4.3 Monitoring activities report

Name of activity, location, procedures put in place, significant information obtained, action taken in consequence thereof.

2.4.4 Waste Management Plans

- Waste management plans issued during the year giving title including name of station/vessel/location.
- Report on implementation of waste management plans during the year.

2.5 Relevant National Legislation

Legislation adopted during the year to give effect to the Antarctic Treaty and to obligations arising from measures, decisions and resolutions of the Antarctic Treaty Consultative Meeting, giving description of measure and date of effect.

2.6 Other information

2.6.1 Inspection Reports

Report of any inspections conducted under Antarctic Treaty Article VII and Article 14 and Article 10 (Annex V) of the Environmental Protocol during the year giving date of inspection, person(s) conducting inspection, nationality of inspector(s), locations inspected, where inspection report located.

2.6.2 Notice of Activities Undertaken in Case of Emergencies

Description of emergency, location (latitude and longitude) and action undertaken.

3. Permanent Information

The following information should be submitted in accordance with the requirements of the Antarctic Treaty and Protocol on Environmental Protection to the Antarctic Treaty. The information can be updated at any time.

3.1. Science Facilities

3.1.1 Automatic Recording Stations/Observatories

Site name, co-ordinates (latitude and longitude), elevation (m), parameters recorded, observation frequency, reference number (e.g. WMO no.).

3.2 Operational Information

A. Stations

- Name of wintering stations (giving region, latitude and longitude, and maximum population), date established and accommodation and medical facilities.
- Name of summer stations/bases and field camps (giving region, latitude, longitude, operating period and maximum population)
- Names of refuges (region, latitude and longitude) medical facilities and accommodation capacity.

B. Vessels

Name of vessels, Flag State, ice strength, length, beam and gross tonnage (a link may be provided to COMNAP data).

C. Aircraft

Number and type of aircraft operated.

D. Aircraft landing facilities

E. Communications facilities and frequencies

3.3 Waste Management Plans

Title of Plan, copy (PDF) or contact point for printed version and brief report on implementation.

3.4 Contingency Plans

Title of Contingency Plan(s) for Oil Spills and other emergencies, copies (PDFs) or contact point for printed versions. Brief report on implementation.

3.5 Inventory of Past Activities

Name of station/base/field camp/traverse/crashed aircraft/etc, co-ordinates (latitude and longitude) period during which activity undertaken; description/purpose of activities undertaken; description of equipment or facilities remaining.

3.6 Relevant National Legislation

Description of law, regulation, administrative action or other measure, date of effect/enacted, giving copy (PDF) or contact point for printed version.]

XXII: Resolution 4 (1998)

Antarctic Data Management

The Representatives,

Recalling the Commitment of Parties under Article III (1)(c) of the Treaty to promote international co-operation in scientific investigation by exchanging, and making freely available, scientific observations and results from Antarctica;

Welcoming the establishment by SCAR and COMNAP of the Joint Committee on Antarctic Data Management and the Antarctic Data Directory System; and

Recognising the enhanced efficiency for Antarctic research to be gained from effective data management;

Recommend that:

1. Consultative Parties, who have not yet done so, establish National Antarctic Data Centres and link these to the Antarctic Data Directory System managed by the Joint Committee on Antarctica Data Management of SCAR and COMNAP.
2. Consultative Parties and their National Antarctic Data Centres encourage their scientists, through a process of education, support and the development of policies and procedures, to provide in a timely manner appropriate information to their National Antarctic Data Centres for distribution through the Antarctic Data Directory System.
3. Consultative Parties give priority consideration as to how the requirement for freedom of access to scientific information, in accordance with Article III (1)(c) of the Treaty, is achieved within their national data management systems.

XIX: Resolution 6(1995)

Environmental Impact Assessment:

Circulation of Information

The Representatives of the Consultative Parties,

Recalling Articles III and VII of the Antarctic Treaty and Articles 3.6(2) and 17 of the Protocol on Environmental Protection to the Antarctic Treaty;

Noting that numerous recommendations of Consultative Meetings have established requirements for exchange of information between Governments;

Noting also that Annex I to the Protocol creates further obligations to exchange information annually, including information on Initial Environmental Evaluations and Comprehensive Environmental Evaluations;

Desirous that such information should be easily accessible and in a comprehensive and uniform format so that the scale and trend of such activities and developments in Antarctica can be readily monitored;

Recommend that:

1. The Governments of the Consultative Parties should provide, through diplomatic channels, a list of the Initial Environmental Evaluations and Comprehensive Environmental Evaluations prepared by or submitted to them during the preceding calendar year.
2. The list, as a separate document, should be transmitted to the host Government of the next ATCM not later than 1 March.

3. The list should, as minimum, contain the following information: a short description of the development or activity; the type of environmental impact assessment undertaken (IEE or CEE); the locations (name, latitude, and longitude) of the activity; the organisation responsible for the EIA; and any decision taken following consideration of the environmental impact assessment.
4. The lists should be collated by the host Government of the ATCM and circulated as an information paper to the ATCM and thereafter, if the ATCM so agrees, be published as an Annex to the final Report of the ATCM.
5. The above procedures should be reviewed following the establishment of a permanent Secretariat.

XVII-1: Environmental Monitoring and Data Management

The Representatives,

Recalling Recommendations XV-5, XV-16, XVI-12 and paragraphs 106-109 of the Report of the XVIth ATCM;

Noting the report and the valuable work of the First Meeting of Experts on Environmental Monitoring in Antarctica (XVII ATCM/INFO 9) and the recommendation set forth in the afore mentioned report;

Noting that better data management can improve the quality of Antarctic Environmental Monitoring, operations and science;

Noting additionally the report by SCAR-COMNAP (XVII ATCM/WP 5) describing actions that could be taken to develop a coordinated data management system with the intent to improve the comparability and accessibility of both scientific and environmental data being collected by national programmes, as called for by ATCM Recommendations XIII-5 and XV-16.

Recognizing that, in the Final Act of the Protocol on Environmental Protection to the Antarctic Treaty, it was agreed that it was desirable to ensure effective implementation at an early date; and that paragraph 69 of the Report of the XVIth ATCM exhorts the Consultative Parties to ratify the Protocol as soon as possible, and that meanwhile efforts also should be made to implement the provisions of the Annexes as rapidly and completely as possible.

Acknowledging that in order to meet the requirements of the Protocol on Environmental Protection to the Antarctic Treaty that calls, under Articles 3.2 (d) and 3.2 (e), for regular and effective monitoring, to allow assessment of the adverse impacts of human activities, it is necessary to focus environment impact monitoring particularly on anthropogenic effects at a local level;

Aware that once established, the Committee for Environmental Protection may offer its advice on these measures, consistent with its terms of reference as provided for in the Protocol;

Aware that applied monitoring can be expensive and may require long term commitment and that any environmental monitoring should be scientifically defensible, practicable and cost-effective;

Recommend to their Governments that they:

1. Through their SCAR National Committees request SCAR to consider and provide advice on:

   i) the types of long-term programmes, if any, necessary to verify that human activities (such as tourism, scientific research or other activities) do not have significant adverse effects on birds, seals and plants; and

   ii) emission standards that should be established to ensure that the combustion of fossil fuels and incineration of waste do not contaminate the Antarctic atmosphere, terrestrial, ice, aquatic or marine environments in a way that would compromise their scientific values;

2. Ask their COMNAP Representatives in consultation with SCAR to establish research programmes at a representative subset of facilities in Antarctica to determine how different types and sizes of facilities in different localities (e.g. coastal and inland stations on rocks and on ice shelves) affect the Antarctic environment;

3. Provide a list of the Antarctic data sets being compiled and archived by their nationals and make this list available to other Parties, SCAR and COMNAP, as soon as possible, to form the basis for the development of an Antarctic Data Directory;

4. Establish, as appropriate, national arrangements for obtaining expert advice on the types of data products and data access mechanisms which would best meet both the basic scientific requirements and long-term environmental monitoring requirements.

XVI-1: Exchange of information

The Representatives,

Recalling the provisions of Articles III and VII of the Antarctic Treaty;

Noting that their Governments give effect in their domestic legislation to obligations arising from agreements reached at Antarctic Treaty Consultative Meetings;

Noting that the Convention for the Conservation of Antarctic Seals, the Convention on the Conservation of Antarctic Marine Living Resources and the Protocol on Environmental Protection to the Antarctic Treaty contain provisions whereby information about such domestic legislation is, or is to be, exchanged between Parties;

Noting, however, that such provision has not been made in relation to obligations arising from Recommendations adopted at Consultative meetings;

Aware that knowledge of this domestic legislation can be of interest to the other Consultative Parties;

Recommend to their Governments that they include in their exchange of information

under Article VII(5) of the Antarctic Treaty, information on any domestic legislation enacted to give effect to the Antarctic Treaty and to obligations arising from Recommendations adopted at Antarctic Treaty Consultative Meetings.

XVI-12: Accessibility of Antarctic geophysical data

The Representatives,

Recalling that Article 3 of the Antarctic Treaty requires that scientific data be exchanged and made freely available;

Noting that Article 7 of the Protocol on Environmental Protection to the Antarctic Treaty signed in Madrid on 4 October 1991 prohibits any activity relating to mineral resources other than scientific research;

Aware that solid earth science disciplines have made major contributions to the understanding of our planet, and that such work has long been recognised as having global significance as applied *inter alia* to studies of plate tectonics and Antarctic glacial history including its effects on world climate;

Reiterating the importance of pursuing geological and geophysical research and their commitment to the disclosure, availability and timely publication of scientific results;

Recommend to their Governments that the Seismic Data Library System (SDLS) approved by the SCAR Executive in 1991 and described in the report 'A SCAR Seismic Data Library System for Cooperative Research' of the SCAR Group of Specialists on the Evolution of Cenozoic Paleoenvironments of the Southern High Latitudes (GSC) — Antarctic Offshore Acoustic Stratigraphy Project (ANTOSTRAT) be implemented. The SDLS requires inter alia that digital data from multichannel seismic reflection surveys be sent to the SDLS within four years of collection and eight years after collection to the World Data Centres of other archives for general dissemination.

XV-16: Facilitation of scientific research: comparability and accessibility of Antarctic scientific data

The Representatives,

Recalling

a) Article III (1) (c) of the Antarctic Treaty calling on Parties to exchange and make freely available scientific observations and results from Antarctica;
b) Recommendation XIII-5 inviting the Scientific Committee on Antarctic Research (SCAR) to offer scientific advice on how to improve the comparability and accessibility of Antarctic scientific data; and
c) that the Report of the XIVth Consultative Meeting identified determination of types of useful data for management and assessment and the development of a directory as two important initial steps to improve data comparability and accessibility;

Noting that:

a) the Report of XX SCAR responds to Recommendation XIII-5 by describing several steps needed for the establishment of an Antarctic data system and by calling for the establishment of a committee on data management to advise on the development of such a system;
b) SCAR has established such a committee with the following terms of reference:
   i) to determine the requirements within SCAR for a coordinated approach to data;
   ii) to consider the possible compilation of a SCAR directory of available items, data bases, geographical information systems, data centres, specimen holdings, relevant archives and bibliographic collections;
   iii) to consider the formation of guidelines for common or minimum formats for data collection and archiving; and
   iv) to suggest areas for coordination with external activities or organizations;
c) the Report of XX SCAR identifies the development of national directories of Antarctic data as the logical first step in the development of a data system;

Desiring:

a) to improve the accessibility and comparability of Antarctic scientific data to help give effect to Article III (1) (c) of the Antarctic Treaty; and
b) to create an Antarctic scientific data system for use in facilitating environmental assessment and monitoring and the promotion of scientific research;

Recommend to their Governments that :

1. They develop and make available to SCAR and other Antarctic Treaty Parties a directory listing where and in what format Antarctic scientific data now exist.

2. They agree, working in cooperation with the SCAR Committee to compile an Antarctic Scientific Data Directory.

3. They agree to assist the SCAR Committee to develop a programme of work describing further steps needed to create an Antarctic Scientific and Environmental Data System, including consideration of relevant technologies.

4. Upon completion of the draft programme of work developed by SCAR, in cooperation with relevant governmental experts, they convene, in accordance with Recommendation IV-24, a Meeting of Experts, with expertise in data management, to consider how to establish an Antarctic Scientific and Environmental Data system

XIII-3: Exchange of information in accordance with the Antarctic Treaty: annual exchanges

The Representatives,

Recalling Articles III and VII of the Antarctic Treaty and Recommendations VIII-6 and VIII-9;

Considering that while it is important that Consultative Parties should continue to report

extensions, reductions or other modifications of activities previously reported, no practical purpose is served by requiring this information to be provided in the Antarctic winter;

Recalling the need to maintain an awareness of the activities of tourists in the Antarctic Treaty Area;

Recommend to their Governments that the Annex to Recommendation VIII-6 be amended as follows:

- Paragraph 2: *replace the date* '30 June' *with the date* '30 November';
- Paragraph 3: *add* XVI. The reports referred to in paragraph 3 of Recommendation VIII-9.

VIII-6: Annual exchanges of information

The Representatives,

Recalling Articles III and VII of the Antarctic Treaty;

Noting that numerous recommendations of Consultative Meetings have established requirements for exchange of information between Governments;

Desiring to consolidate the requirements for periodic exchanges of information into a standard annual report;

Conscious that other Recommendations, including Recommendations I-I, I- III, I-VII, I-XIII, II-I, II-VIII, IV-27, VI-3, VI-7 and VII-7 provide for exchanges of information on an occasional basis or outside the annual reports exchanged between Governments;

Recommend to their Governments that:

1. They adopt the Annex to this Recommendation as the standard format for the annual exchanges of information between Governments;
2. They consider that the provisions set forth in the Annex satisfy the requirements for exchanges of information in Recommendations I-VI, II-IV, II-VI, III-I, III-II, IV-23, VI-2, VI-6, VI-12, and VI-13;
3. They exchange the report described in the Annex through diplomatic channels, not later than 30 November each year;
4. They report prior to 30 June in accordance with Recommendation II-VI on extensions, reductions or other modifications in the development of the activities previously reported;
5. Until such time as the Agreed Measures for the Conservation of Antarctic Fauna and Flora become effective, the information exchange requirements set forth in Recommendation IV-19 should be considered as an interim guideline and may be added to the Annex.

ANNEX

Standard format for the annual exchanges of information

1. Information in as complete a form as possible under the categories listed below is to be exchanged as early as possible but in no case later than 30 November each year.

2. Under Recommendation II-6 any extensions, reductions or other modifications of activities (in the categories marked below with an asterisk *) previously reported are to be furnished as soon as possible and in any case prior to 30 June following the season of activity.

3. If a category is not applicable to the activities of a particular country (for example, it has no airfields or does not intend to use research rockets) this fact should be stated.

- I* The names, types, numbers, descriptions, and armament of ships, aircraft, and other vehicles, introduced, or to be introduced, into the Antarctic Treaty Area, and information on military equipment, if any, and its location in the Area. (List only vehicles used for transport to and from Antarctica. Vehicles at individual stations are described under category VIII below.)
- II* Dates of expeditions leaving for, and arriving in, the Antarctic Treaty Area, duration of stay, itinerary to and from the Area and routes followed within the Area.
- III* The names, locations, and dates of opening of the Party's bases and subsidiary stations established or planned to be established in the Antarctic Treaty Area, listed according to whether they are for summer and/or winter operations.
- IV* The names of the officers in charge of each of these bases, subsidiary stations, ships and aircraft; the number, occupations and specialisations of personnel (including any designated by other Governments), who are or will be stationed at each of these bases and subsidiary stations and on board these ships and aircraft, including the number of personnel who are members of the military services, together with the rank of any officers and the names and professional affiliations of personnel engaged in scientific activities:
    - A* Officers in charge of bases.
    - B* Officers in charge of ships.
    - C* Officers in charge of aircraft.
    - D* Number, occupations and specialisations of personnel:
        - 1* Summer personnel (listed according to base or ship at which working);
        - 2* Winter personnel (listed according to base at which working).
    - E* Number of personnel who are members of the military services together with rank of any officers.
    - F* Names and professional affiliation of personnel engaged in scientific activities (listed according to base or ship at which working. It would be useful to list each person's scientific disciplines as well as his affiliation).
- V* The number and types of armaments possessed by personnel.
- VI* The programme of work, including scientific investigation, being done and planned at each of these bases and subsidiary stations and on board those ships

and aircraft; and also the area or areas of operation to be covered by such programme (this may be included as an Annex).

- VII* Principal scientific equipment, which may be listed according to the base at which it is customarily used (this may be included as an Annex).
- VIII Transportation facilities and communication equipment for use within the Antarctic Treaty Area:
    - A* Surface, marine, and air transport vehicles at each base.
    - B* Description of communications facilities using the standard form in accordance with Recommendation VI-2.
    - C Description of airfields in accordance with Recommendation III-I, including particulars of location, operating conditions and limitations, radio aids to navigation, facilities for radio communications and instrument landing (this may be included as an Annex).
- IX* Facilities for rendering assistance (medical and transport services and shelter available in emergencies).
- X* Notice of any expedition to Antarctica not organised by the Party but organised in, calling at, or proceeding from the Party's territory (including tourism in accordance with Recommendations IV-27 and VI-7).
- XI* Description of unoccupied refuges in accordance with Recommendation III-II, including name, position, description of location, dates established, date last examined and estimate of available accommodation, facilities, food, fuel, and supplies of other kinds (this may be included as an Annex).
- XII Annual return of the numbers of each species killed or captured in the Antarctic Treaty Area in accordance with Article XII of the Agreed Measures for the Conservation of Antarctic Fauna and Flora, using the format annexed to Recommendation IV-19 (this may be included as an Annex).
- XIII Notice of the intended use of radio-isotopes in scientific investigations in the Antarctic Treaty Area. (Note: under Recommendation VI-6 this information is to be provided by Consultative Parties as early as possible, preferably six months in advance, but in any case annually.)
- XIV Notice of intended use of scientific research rockets in the Antarctic Treaty Area in accordance with Recommendation VI-12 including *inter alia* geographical coordinates of the place of launching; the time and date of launching or, alternatively, the approximate period of time during which it is planned to carry out the launchings; the direction of launching; the planned maximum altitude; the planned impact area; the type and other specifications of the rockets to be launched, including possible residual hazards; the purpose and research programme of the rocket.
- XV* Notice of ships which are carrying out substantial oceanographic research programmes in the Antarctic Treaty Area, in accordance with Recommendation VI-13 including information required under categories I, II, IV, VI, and VII above.

VI-2: Exchange of information on telecommunications facilities

The Representatives,

Considering that:

1. there is a need to continue the annual exchange of information on telecommunications facilities;
2. this information should be made as useful as possible to radio operators at all stations in the Antarctic;
3. there is need for a procedure for exchanging views on other matters pertinent to their respective telecommunications systems, but not affecting all Parties;

Recommend to their Governments that:

1. Information on telecommunications facilities be exchanged annually, under paragraph 5 of Article VII of the Antarctic Treaty and Recommendation I-6(8), in accordance with the standard tabular format annexed hereto;

2. Information on telecommunications facilities be exchanged not later than 31 October of each year in accordance with Recommendation IV-23.

3. They authorize the addressees entered by each Consultative Party on the annexed standard tabular format also to correspond with other addressees on matters affecting their respective telecommunications systems, on the use of those systems and on the coordination of communications necessary for cooperative activities. [Annex not reproduced]

VI-12: Scientific research rockets

The Representatives,

Considering that:

1. in recent years a number of countries have launched scientific research rockets (sounding rockets) from the Antarctic Treaty Area and that the number of such launchings is expected to increase along with the scale and importance of scientific research activities in the Antarctic;
2. it will be necessary to adopt adequate safety measures to prevent possible damage or injury to persons, fauna and flora, facilities, vessels and aircraft in the Antarctic Treaty Area and in adjacent areas which might result from the launching of rockets from the Treaty Area or from their residual elements;

Recommend to their Governments that:

1. Each Government which plans to launch rockets from the Antarctic Treaty Area include in its annual exchange of information under paragraph 5 of Article VII of the Antarctic Treaty details of each planned launching, including *inter alia* the following information:

   a) the geographical coordinates of the place of launching;
   b) the time and date of launching or, alternatively, the approximate period of time during which it is planned to carry out the launchings;

c) the direction of launching;
d) the planned maximum altitude;
e) the planned impact area;
f) the type and other specifications of the rockets to be launched, including possible residual hazards;
g) the purpose and research programme of the rocket.

2. During summer operations, and at other times when there are operations in its area, each station use its radio facilities to keep neighbouring stations informed, on a daily basis as appropriate, of its launching schedules.

VI-13: Exchange of information on oceanographic research

The Representatives,

Noting the growing importance of oceanographic research and the increasing activities of ships conducting scientific programmes in the Southern Ocean area;

Noting, in particular, the interest of the Consultative Parties in the Southern Ocean as set forth in Recommendation V-3;

Bearing in mind that Recommendation I-VI includes provision for exchange of information regarding scientific investigation and areas of operation;

Considering that uniformity in the type and amount of data exchanged on ships and their scientific programmes will greatly enhance the usefulness of this information;

Recommend to their Governments that in exchanging information annually, in accordance with Recommendation I-VI(1), (2), (4), (6), (7) and Recommendation II-VI, they include information about those ships which are carrying out substantial oceanographic research programmes in the area south of 60° South Latitude.

IV-23: Date of Exchange of Information

The Representatives recommend to their Governments that they exchange through diplomatic channels, not later that 31 October of each year, the information specified in as many as possible of the categories in Recommendations I-VI, III-I and III-II, the balance to be furnished as soon as possible thereafter and in any case before the end of November.

III-I: Information on facilities for the landing of aircraft

The Representatives, taking into account Recommendation I-VI(8) of the First Consultative Meeting, recommend to their Governments that they exchange, within the framework of Recommendation I-VI(8), information on airfield facilities in the Antarctic Treaty Area. This information should include particulars of location operating conditions and limitations, radio aids to navigation, facilities for radio communications and

instrument landing, and be in detail sufficient to enable an aircraft to make a safe landing.

III-II: Notification of unoccupied refuges

1. The Representatives recommend to their Governments that they should exchange through diplomatic channels, before the end of November each year, lists of all unoccupied buildings, huts or caches (hereinafter referred to as refuges) maintained by them in the Treaty Area in a condition suitable for use in emergencies.

2. Such lists should include:

i) The name and position of each refuge.
ii) A description of its location.
iii) The date on which it was established.
iv) The approximate date on which it was last examined.
v) An estimate of the available accommodation, facilities, food, fuel and supplies of other kinds.

Any changes should be reported before the end of June of the following year.

3. The Representatives further recommend that Governments whose expeditions use any refuge should report as rapidly as possible on any such use. Such governments should also furnish an estimate of the amount of supplies which remain and a report about the condition of the refuge after use; in addition they should:

a) Ensure that supplies available at these refuges are used only under emergency conditions.
b) To the extent possible, and as early as possible, replenish the supplies consumed and inform the authorities who maintain the refuge of the action taken.

II-I: Exchange of scientific data

The Representatives recommend to their Governments that, in accordance with Article III of the Antarctic Treaty and in the light of recommendations made by SCAR, they take measures contributing to:

1. The completion by 1st July 1963, or as soon thereafter as practicable, of the transmission by scientific organizations to the recognized international data gathering centres of scientific observations carried out in Antarctica from 1957 until 1959 inclusive, and 1960 if possible.

2.

a. The free availability and exchange, by all appropriate means, of scientific observations and results, in every scientific discipline, obtained by expeditions in any part of Antarctica;

b. the prompt transmission, preferably within a year of the receipt in each country of the data from Antarctica, of such observations and results to the recognized international data gathering centres, where such centres exist.

3.

a. The free availability of published results of Antarctic research carried out since the beginning of the International Geophysical Year;

b. the transmission to the recognized, international data gathering centres, before 1st July 1963, of such publications already issued;

c. the transmission to these centres of future publications within two months of their issue or as soon thereafter as practicable.

II-IV: Exchange of information on operations

In accordance with Article VII, paragraph 5, of the Antarctic Treaty, the Representatives recommend to their Governments that they should endeavour to furnish prompt and full information regarding their Antarctic activities as listed in Recommendation I-VI of the First Consultative Meeting, and within the time limits indicated in that Recommendation.

II-VI: Modifications of reported activities

The Representatives recommend to their Governments that they report through diplomatic channels, as soon as possible, and in any case prior to 30th June of each year, on any extensions, reductions or other modifications in the development of the activities previously reported in accordance with Article VII, paragraph 5, of the Antarctic Treaty, and Recommendation I-VI of the First Consultative Meeting.

I-I: [Exchange of information on scientific programmes]

The Representatives recommend to their Governments that they should facilitate the continuation of the exchange of information regarding plans for scientific programmes as now carried on through the Special Committee on Antarctic Research (SCAR) and through other member unions and committees of the International Council of Scientific Unions (ICSU) and by such other means as may ensure the availability of this information.

I-III: [Exchange of scientific data]

The Representatives recommend to their Governments that they should promote the exchange and making available of observations and results from Antarctica through the recognized international data gathering centres and by such other means as may be appropriate to ensure the exchange and free availability of this information.

I–VI: Exchange of information on operations

The Representatives recommend to their Governments that information furnished in

accordance with Article VII, paragraph 5, should be exchanged between governments through diplomatic channels as early in each year as possible, and in any case before the end of November each year, and should include:

1. the names, types, numbers, description and armaments of ships, aircraft and other vehicles, introduced, or to be introduced into Antarctica, and information on military equipment, if any, and its location in Antarctica;
2. date of expeditions leaving for, and arriving in, Antarctica, duration of stay, itinerary to and from Antarctica and routes followed within Antarctica;
3. the names, location and date of opening of the party's bases and subsidiary stations established or planned to be established in Antarctica, listed according to whether they are for summer and/or winter operations;
4. the names of the officers in charge of each of these bases, subsidiary stations, ships and aircraft; the number and occupations and specialization of personnel (including any designated by other governments), who are or will be stationed at each of these bases and subsidiary stations and on board these ships and aircraft, including the number of personnel who are members of the military services together with the rank of any officers and the names and professional affiliation of personnel engaged in scientific activities;
5. the number and types of armaments possessed by personnel;
6. the programme of work, including scientific investigation, being done and planned at each of these bases and subsidiary stations and on board those ships and aircraft; and also the area or areas of operation to be covered by such programme;
7. principal scientific equipment;
8. transportation facilities and communication equipment for use within Antarctica;
9. facilities for rendering assistance;
10. notice of any expeditions to Antarctica not organized by the party but organized in, or proceeding from the Party's territory.

I-VII: [Exchange of information on logistic problems]

The Representatives recommend to their Governments that they should undertake to exchange information on logistic problems. This might include information on the design and construction of buildings and airstrips, the provision of power supplies, the performance of aircraft, ships, tractors and other vehicles, techniques of supply of coastal and inland stations, the transport and handling of cargo in Antarctic conditions, food and cold weather clothing. They further recommend that consideration should be given to the calling of a meeting of experts to consider the question of the exchange of information on experience gained in matters of the organization of expeditions, logistic support and transport, and that proposals for the calling of such a meeting or symposium should be discussed at or before the next Treaty Consultative Meeting.

I-XIII: [Exchange of information on nuclear equipment and techniques]

Taking into consideration the provisions established in Article V of the Antarctic Treaty, the Representatives recommend to their Governments that they exchange by all means deemed advisable information on the application of nuclear equipment and techniques in the Treaty Area.