



ATCM Resolution 5 (1995)

Antarctic Inspection Checklists

The Representatives,

Recommend that:

Considering that inspection checklists are useful as guidelines for those planning and conducting inspections under Article VII of the Antarctic Treaty and in assessing implementation of the provisions of the Environmental Protocol pending its entry into force;

Noting that inspection checklists are not mandatory and are not to be used as a questionnaire;

The Consultative Parties should encourage the use of the checklists attached:

- **Checklist A:** Permanent Antarctic Stations and Associated Installations
- **Checklist B:** Vessels within the Antarctic Treaty Area
- **Checklist C:** Abandoned Antarctic Stations and Associated Installations Checklist D Waste Disposal Sites

ATTACHMENT

Antarctic Inspection Checklists

These checklists, which are not intended to be exhaustive, are designed to provide a guideline to observers conducting inspections in Antarctica in accordance with the provisions of Article VII of the Antarctic Treaty.

Not all items in the checklists are necessarily applicable to the activity being inspected or directly related to Article VII of the Antarctic Treaty or the requirements of the Protocol on Environmental Protection to the Antarctic Treaty.

It is recognized that some of the items could be addressed through the Antarctic Treaty Exchange of Information. It is also recognized that the purpose of an inspection is to verify through observation. Therefore, any inspection report should clearly identify which information was observed and which was taken from documents.

It is recommended that observers seek out and examine all relevant documents prior to undertaking inspections, including the Antarctic Treaty Exchange of Information, the relevant national Annual Reports to SCAR and the COMNAP/SCALOP Advance Exchange of Information.

CHECKLIST B

Vessels Within the Antarctic Treaty Area

Observers undertaking an inspection of a vessel in the Antarctic Treaty Area should bear in mind that:

- only a vessel flying the flag of a Treaty Party can be inspected;
- an inspection can only be undertaken under the terms of Article VII (3) of the Antarctic Treaty which states that inspections can only be carried out at points of discharging or embarking cargoes or personnel in Antarctica, and;
- Article VI of the Antarctic Treaty safeguards High Sea rights under international law within the Antarctic Treaty Area.

Inspections which are not in accord with (i) and (ii) above, including inspections of vessels chartered by Treaty Parties, can only be carried out with the explicit consent of the master of the vessel.



1. GENERAL INFORMATION

- 1.1 Name of ship visited
- 1.2 Radio call sign
- 1.3 State and/or Port of Registration
- 1.4 Owner, manager and/or charterer of vessel
- 1.5 Ship type (general cargo, scientific research, etc.)
- 1.6 Date launched, if known
- 1.7 Primary activity of vessel at time of inspection (scientific research, logistic support, tourism, etc.)
- 1.8 Planned itinerary
- 1.9 Expected length of annual operating period in the Antarctic
- 1.10 Area of operation in the Antarctic in past year
- 1.11 International logistic cooperation
- 1.12 Presence of mandatory documentation (e.g., IMO inspection reports),

2. INSPECTION DETAILS

- 2.1 Date
- 2.2 Time of visit
- 2.3 Location of visit
- 2.4 Duration of visit
- 2.5 Last inspection (nation(s), date)
- 2.6 Persons conducting inspection

3. PERSONNEL

- 3.1 Name of captain
- 3.2 Name of expedition leader or person in charge
- 3.3 Total number of personnel on board
 - crew (e.g., captain, officers, crew and catering staff)
 - staff (e.g., scientists, expedition or tour staff, helicopter pilots)
 - passengers (e.g., members of the expedition that are not crew or staff)
- 3.4 Maximum accommodation capacity of vessel
- 3.5 Previous Antarctic experience of captain and deck officers
- 3.6 Previous Antarctic experience of other crew and staff
- 3.7 Training of crew, staff and passengers (safety, life-boat drills, emergency response, etc.)

4. SCIENTIFIC RESEARCH

- 4.1 Principal scientific programmes undertaken by the vessel
- 4.2 Dedicated scientific facilities on the vessel
- 4.3 Number of research cruises planned during the season
- 4.4 Number and nationality of scientists
- 4.5 Advance notice, use and control of radio-isotopes

5. PHYSICAL DESCRIPTION OF VESSEL

- 5.1 Basic dimensions (gross tonnage, length, beam, draught, etc.)
- 5.2 Marine classification, including ice strengthening classification

6. NAVIGATION AIDS

- 6.1 Navigation aids and equipment (radar, sonar, depth sounding equipment, weather facsimile receiver, weather/ice satellite picture facilities, Global Positioning System (GPS) or similar)
- 6.2 Back-up or emergency equipment carried
- 6.3 Availability and currency of hydrographic charts
- 6.4 Availability and currency of Antarctic pilot reference material



7. COMMUNICATIONS

- 7.1 Communication facilities
- 7.2 Presence of emergency beacons (EPIRBS, etc.)

8. TRANSPORT

- 8.1 Type and number of small craft (landing craft, inflatables, survey launches, etc.)
- 8.2 Total capacity of lifeboats and liferafts; whether lifeboats are motorised, open or enclosed, and covered by a relevant survey certificate
- 8.3 Type and number of helicopters
- 8.4 Number of helicopter movements per Antarctic season

9. VESSEL FACILITIES - GENERAL CARGO

- 9.1 General cargo - types, amount
- 9.2 Presence and use of Cargo Record Book
- 9.3 Cargo handling equipment
- 9.4 Frequency and method of resupply to shore stations

10. VESSEL FACILITIES - FUEL BUNKERS AND CARGO

- 10.1 Fuel bunkers - types, amount and use of fuel (marine gas oil, petrol, etc.)
- 10.2 Fuel cargo - types, amount (aviation fuel, etc.)
- 10.3 Types and capacity of fuel tanks, Use of double-bottomed tanks
- 10.4 Deck storage of fuel
- 10.5 Prevention and protection against leaks and spills
- 10.6 Monitoring of fuel pumping systems and storage tanks (method)
- 10.7 Transfer of bulk fuel (include transfer method)
- 10.8 Responsibility for fuel management
- 10.9 Processing of oily water (oily water separator, direct to storage tanks, etc.)
- 10.10 Capacity to retain on board all oily waste whilst in the Antarctic Treaty Area
- 10.11 Presence and use of Oil Record Book

11. VESSEL FACILITIES - ENGINES AND POWER GENERATION

- 11.1 Number, type and capacity of engines and generators
- 11.2 Subsidiary propulsion (bow and/or stern thrusters, etc.)
- 11.3 Daily fuel consumption of engines and power generation (tones)
- 11.4 Filtering and monitoring of engine emissions (method)

12. VESSEL FACILITIES - MEDICAL

- 12.1 Medical facilities (e.g., numbers of patient beds)
- 12.2 Medical personnel

13. VESSEL FACILITIES - HAZARDOUS SUBSTANCES

- 13.1 Responsibility for management of hazardous substances
- 13.2 Types and quantities of hazardous substances being transported or used on board ship
- 13.3 Storage and monitoring arrangements
- 13.4 Protection against leaks and spills

14. FIREARMS / EXPLOSIVES

- 14.1 Number, type and purpose of firearms and ammunition
- 14.2 Amount, type and purpose of explosives
- 14.3 Storage of explosives and method of disposal

15. MILITARY SUPPORT ACTIVITIES

- 15.1 Describe any military support to the vessel (e.g., personnel)
- 15.2 Details of military equipment held on the vessel



16. ANTARCTIC TREATY SYSTEM LEGISLATION

- 16.1** Availability of Antarctic Treaty System documentation on the vessel
- 16.2** Understanding and application of the provisions of the Antarctic Treaty and related agreements

17. EMERGENCY RESPONSE CAPABILITY

- 17.1** General
 - a)** Search and rescue capability
 - b)** Incidents in the current Antarctic season resulting in damage to the vessel or impact on the Antarctic environment
 - c)** Method of reporting incidents
- 17.2** Medical
 - a)** Evacuation plan for medical emergencies
 - b)** Ship's capacity to mobilise in support of medical emergencies elsewhere
- 17.3** Fire
 - a)** Fire emergency plan
 - b)** Fire fighting equipment
 - c)** Training of personnel for fire fighting
 - d)** Fire fighting exercises (frequency)
- 17.4** Pollution (oil and chemical spills)
 - a)** Shipboard oil pollution contingency plan
 - b)** Spill response materials and equipment available on board
 - c)** Training of personnel to deal with spills
 - d)** Spill response exercises (frequency)
 - e)** Ship's capacity to mobilise in support of spill response elsewhere

18. ENVIRONMENTAL IMPACT ASSESSMENT

- 18.1** Awareness of captain (and deck officers), and chief scientist and/or expedition leader of EIA
- 18.2** EIAs prepared for activities currently being undertaken (e.g., research cruise)
- 18.3** Environmental monitoring of activities undertaken by the vessel (e.g., monitoring of seismic surveys)

19. CONSERVATION OF FLORA AND FAUNA

- 19.1** Methods of making crew, staff and passengers aware of prohibited activities and guidelines relating to the conservation of Antarctic flora and fauna
- 19.2** Vessel guidelines regarding the use of aircraft, small boats and ship's personnel close to concentrations of wildlife
- 19.3** Details of any native mammals, birds or invertebrates that have been killed, injured, captured, handled or disturbed during the past year; Methods used to kill, capture and or handle animals; Issue of permits and reasons for their issue
- 19.4** Harmful interference with animals and plants due to vessel activities; Issue of permits and reasons for their issue
- 19.5** Whether non-indigenous animals or plants carried on board the vessel (dogs, birds, ornamental plants, etc.)
- 19.6** Actions taken to avoid accidental introduction of non-indigenous species (animals, plants, micro-organisms)

20. WASTE MANAGEMENT

- 20.1** Waste management plan for the separation, reduction, collection, storage and disposal of wastes
- 20.2** Responsibility for waste management on the vessel
- 20.3** Availability of an up-to-date waste management report
- 20.4** Training of crew, staff and passengers in waste minimisation and management and the need to minimise the impact of shipboard wastes on the environment
- 20.5** Publicly displayed notices concerning waste management practices on board



- 20.6** Current waste disposal methods:
- a) Radioactive materials
 - b) Electrical batteries
 - c) Fuel (both liquid and solid) and lubricants
 - d) Wastes containing harmful levels of heavy metals or acutely toxic or harmful persistent compounds
 - e) Poly-vinyl chloride (PVC), polyurethane foam, polystyrene foam, rubber
 - f) Other plastics
 - g) Treated wood
 - h) Fuel drums
 - i) Other solid, non-combustible wastes
 - j) Organic wastes
 - Residues of carcasses of imported animals
 - Laboratory cultures of micro-organisms and plant pathogens
 - Introduced avian products
 - Other organic wastes (food wastes, etc.)
 - k) Sewage and domestic liquid wastes
 - l) Waste produced by field parties
- 20.7** Adequate storage space on board to retain all wastes on board whilst in the Treaty Area
- 20.8** Equipment for waste management (compactors, shredders, comminuters, etc.)
- 20.9** Type of incineration; Disposal of ash; Control and monitoring of emissions
- 20.10** Type of sewage treatment; Disposal of sludge; Presence and currency of sewage record book
- 20.11** Recycling of wastes
- 20.12** Whether contractual arrangements have been made for the use of Port Reception facilities

21. MANAGEMENT OF PROTECTED AREAS

- 21.1** Responsibility for ensuring compliance with management plans for protected areas
- 21.2** Current management plans and maps of relevant protected areas held on the vessel
- 21.3** Entry by crew, staff or passengers to protected areas during the current Antarctic season; Issue of permits and reasons for their issue
- 21.4** Problems with crew, staff or passengers not observing the restrictions of protected areas (e.g., lack of supervision)
- 21.5** Monitoring or management of protected areas

22. TOURIST AND NON-GOVERNMENTAL ACTIVITIES

- 22.1** Advance notification provided as required under the Antarctic Treaty
- 22.2** Number of tourist or non-governmental expedition cruises already undertaken or planned by the vessel in the current Antarctic season
- 22.3** Location, date, number and nationality of research stations visited
- 22.4** Location, date and number of wildlife or other sites visited
- 22.5** Total number of tourists or expedition personnel carried
- 22.6** Number of tourists ashore at any one time
- 22.7** Normal ratio of staff to tourists during visits ashore
- 22.8** Procedures used to facilitate and control tourist and non-governmental activities, in implementation of Recommendation XVIII-1
- 22.9** Indications of environmental impact of crew, staff and passengers during visits ashore
- 22.10** Affiliation of tour organiser, ship owner or operator to any tourism association (e.g., International Association of Antarctica Tour Operators)