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

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:

i) only a vessel flying the flag of a Treaty Party can be inspected;

ii) 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;

iii) 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
defense to the vessel or impact on the Antarctic
   c) Method of reporting incidents

17.2 Medical
   a) Evacuation plan for medical emergencies
   b) Ship’s capacity to mobilise in support of medical
   c) Incidents in the current Antarctic season resulting in
defense to the vessel or impact on the Antarctic
   d) Method of reporting incidents

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
   c) Training of personnel to deal with spills
   d) Spill response exercises (frequency)

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 or 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)