

VIII. Transportation & Comms

Section VIII details the number and type transportation facilities and communications equipment for use within the Antarctic treaty area.

Surface, Marine, and Air Transportation Vehicles

McMurdo Station

Truck, (light and heavy)	83
Carrier, Personnel and Cargo (tracked and wheeled)	57
Trailer, (tracked and wheeled)	35
Vehicle, all terrain, 4-wheel	5
Front-end loader, bucket and forklift	36
Forklift, warehouse	20
Motor toboggans	116
Crane	3
Road grader	3
Roller	6
Tractor, crawler	32
Tractor, wheeled	2
Sweeper, magnet	1
Snow plane	5
Truck, fire, pumper	9
Aircraft, LC-130	6
Helicopters, Aerospatiale AS-350B-2	2

Helicopters, Bell 212	2
Scraper	2
Backhoe	1

Amundsen-Scott South Pole Station

Cranes	3
Excavator	1
Front Loader, tracked	
Motor Toboggans	26
Personnel Carrier	4
Snow Plane	2
Tele-handler	1
Tractor Crawler	8
Trencher	1
Truck, light and heavy	5

Palmer Station

Front-loader (wheeled)	2
Motor toboggans	2
Boats, rubber (Zodiac)	16
Forklift, all terrain	1
Telescopic material handler	1
Vehicle, all terrain, 4-wheel	4

Description of Communications Facilities

Note: For information on frequencies, see attached Comms forms (Attachment A).

McMurdo

Microwave radio system replacement

South Pole and Palmer stations

No new communications related projects are planned at South Pole or Palmer stations during the reporting period.

Description of Airfields

McMurdo Station

Air Facilities

1. Williams Field - 2 x 10,000ft, skiways on ice shelf
2. Sea Ice Runway – 1x 10,000 ft
3. Pegasus Glacier Ice runway -1 x 10,000 ft
4. McMurdo Helicopter landing pad

Crash Equipment/Fire Equipment

1. Two Canadian Foremost Chieftains, 1200 gallons AFFF (each)
2. One Nodwell Flex-Trac equipped with 1350 lb. PKP, 200 gallon AFFF

3. One Nodwell Flex-Trac equipped with 3,000 lb. PKP
4. Two Ford F-550 Mattrack equipped with 500lb Dry Chemical and 300 gallon aerosol foam
5. Seven 150 lb. PKP sled-mounted extinguisher on the flight line
6. Two 3,000 lb. PKP sled-mounted extinguishers at the heli-pad
7. One Tanker, (3,400 gallon water tank)
8. Two Pumpers, (750 gallon water tank each) 1000 GPM
9. One additional Ford F-550 track-mounted truck equipped with 500 lb Dry Chemical and 300 gallon aerosol foam (projected delivery: mid-November 2006)

Navigation Aids

1. Precision (course & glide slope) Approach Radar (PAR) on primary landing runways
2. AN/URN-25 TACAN
3. AN/GRN-516 TACAN (Awaiting commissioning this season)
4. CM-200UT UHF Single Channel ATC Ground-to-Air Radio Transmitter
5. CM-200VT VHF Single Channel ATC Ground-to-Air Radio Transmitter
6. Precision Approach Path Indicator (PAPI)
7. AN/TRN-45 Mobile Microwave Landing System (MMLS)
8. Microwave Landing System (MLS)

Amundsen-Scott South Pole Station

Air Facilities

1 x 14,000 ft. skiway

Crash Equipment

One 500 lb. Dry chemical unit mounted on Ford F-350 Flatbed truck

Three 350 lb. dry chemical units

One Ford F-550 track-mounted truck equipped with 500lb Dry Chemical and 300 gallon aerosol foam (projected delivery: late November 2006)

Navigation Aids

1. AN/URN-25 TACAN
2. CM-200VT VHF Single Channel ATC Ground-to-Air Radio Transmitter

Palmer Station

Air Facilities

None. Open field landings on glacier possible

Crash Equipment

None

Navigation Aids

None.

Marble Point Camp

Air Facilities

One helicopter landing pad

Crash Equipment

1. Three 150 lb. dry chemical unit (PKP)

Navigation Aids

None