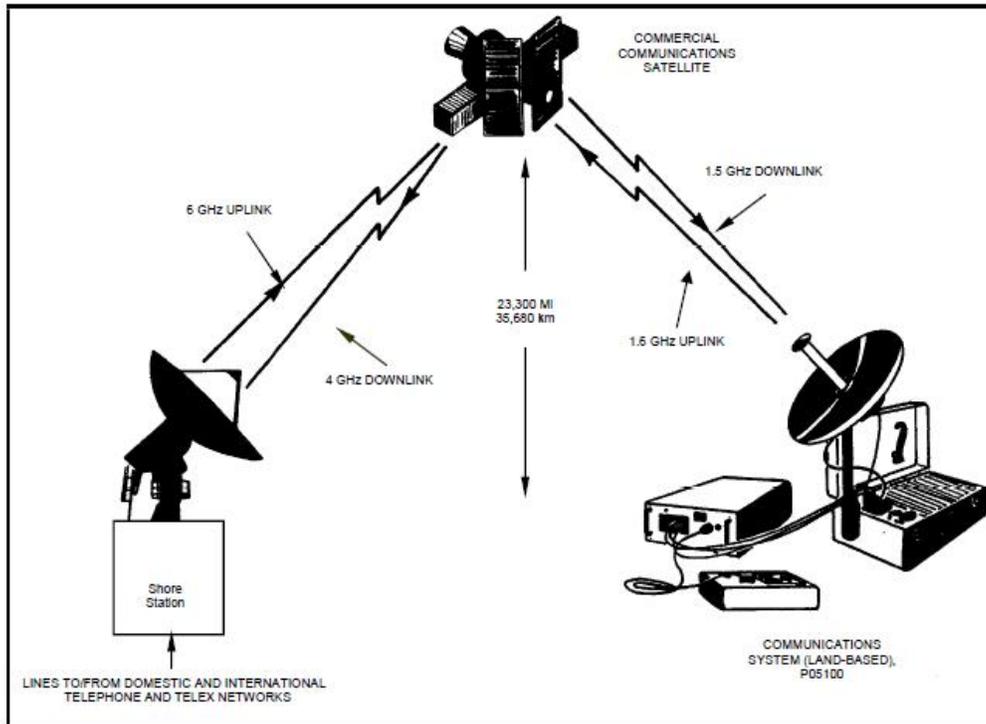


NAVSEA S0300-BV-CAT-030

COMMUNICATIONS SYSTEM (LAND-BASED)

System - P05100



Communications System (Land-Based) P05100

NAVSEA S0300-BV-CAT-030

COMMUNICATIONS SYSTEM (LAND-BASED)

System - P05100

The Land-Based Communications System P05100 is a complete high-quality terminal used for voice, data, or Telex communications. There are several configurations of the communications system available for the end user, depending on the space available and power requirements. The system uses a geostationary International Maritime Satellite Organization (INMARSAT) satellite as a repeater to one or more shore stations. The shore stations connect the land-based communications system into the domestic and international telephone and Telex circuits. This operation makes available a worldwide communications network via satellite.

System Components for P05100

Alternates

ESSM No	Nomenclature	Type	Qty	NS	Cont
PH0000*	GENERIC PHONE, SATCOM	BL Generic	1		
PH1731	PHONE, SATELLITE, IRIDIUM MODEL M9505A	ALTN			
PH1731A	PHONE, SATELLITE, IRIDIUM MODEL 9555	ALTN			
PH1830	PHONE, INTERNET SATELLITE, WORLDWIDE, BGAN 727	ALTN			
PH1831	ANCILLARY SET, FOR PH1830	BL OPTL	1		

Baseline verified on 1/16/2018, * Not shown in catalog.

NAVSEA S0300-BV-CAT-030

COMMUNICATIONS SYSTEM (LAND-BASED)

System - P05100

ESSM - PH0000* **GENERIC PHONE, SATCOM**

Provides a grouping for several alternate phones.

NAVSEA S0300-BV-CAT-030

COMMUNICATIONS SYSTEM (LAND-BASED)

System - P05100

ESSM - PH1731 PHONE, SATELLITE, IRIDIUM MODEL M9505A



Iridium Satellite Phone PH1731



Iridium Satellite Phone PH1731

NAVSEA S0300-BV-CAT-030

COMMUNICATIONS SYSTEM (LAND-BASED)

System - P05100

The Iridium Satellite Phone PH1731 consists of an operator handset with a full featured keypad and clear display, handheld satellite phone, two rechargeable Lithium-Ion battery packs, an ac- and dcpowered battery charger, and various cables and adapters to set up and operate the unit.

The Iridium Satellite LLC provides global mobile satellite voice and data service with complete coverage of the earth (including oceans, airways, and polar regions). Through a constellation of 66 lowearth orbiting (LEO) satellites operated by The Boeing Company, Iridium delivers essential communications services to and from remote areas where no other form of communication is available.

The service is ideally suited for industrial applications, such as defense/military, emergency services, maritime, mining, forestry, and oil recovery operations.

Specifications		
Type	Description	Qty
Manufacturer	Motorola	
Model	9505A series	
Satellite	66 low orbiting satellites	
Power supply	110 V ac and 12 V dc	
Volume	Under 489 cc (30 cubic inches)	
Continuous talk time	Up to 2.0 hrs w/standard battery	
	3.2 hrs w/ high capacity battery	
	6.5 hrs w/ ultra high capacity battery	
Standby time	Up to 20 hrs w/standard battery	
	30 hrs w/ high capacity battery	
	65 hrs w/ ultra high capacity battery	

Physical Characteristics			
Type	Descriptions		
	Shipping		
Length	1 ft, 2 in		
Width	1 ft, 0 in		
Height	0 ft, 7 in		
Cube	1 cu ft		
Footprint	1 sq ft		
Weight (lb)	10		

References	
Ref No	Reference
1	9505A Portable Telephone User's Guide, 68P09420A79-0

NAVSEA S0300-BV-CAT-030

COMMUNICATIONS SYSTEM (LAND-BASED)

System - P05100

ESSM - PH1731A PHONE, SATELLITE, IRIDIUM MODEL 9555



Iridium Satellite Phone PH1731

The Iridium Satellite Phone PH1731 consists of an operator handset with a full featured keypad and clear display, handheld satellite phone, two rechargeable Lithium-Ion battery packs, an ac- and dcpowered battery charger, and various cables and adapters to set up and operate the unit.

The Iridium Satellite LLC provides global mobile satellite voice and data service with complete coverage of the earth (including oceans, airways, and polar regions). Through a constellation of 66 lowearth orbiting (LEO) satellites operated by The Boeing Company, Iridium delivers essential communications services to and from remote areas where no other form of communication is available.

The service is ideally suited for industrial applications, such as defense/military, emergency services, maritime, mining, forestry, and oil recovery operations.

Specifications

Type	Description	Qty
Manufacturer	Motorola	
Model	9555 series	
Satellite	66 low orbiting satellites	
Power supply	110 V ac and 12 V dc	
Volume	Under 489 cc (30 cubic inches)	
Continuous talk time	Up to 3.0 hrs w/standard battery	
Standby time	Up to 30 hrs w/standard battery	

NAVSEA S0300-BV-CAT-030

COMMUNICATIONS SYSTEM (LAND-BASED)

System - P05100

Physical Characteristics

Type	Descriptions		
	Shipping		
Length	1 ft, 2 in		
Width	1 ft, 0 in		
Height	0 ft, 7 in		
Cube	1 cu ft		
Footprint	1 sq ft		
Weight	10 lb		

References

Ref No	Reference
1	9505A Portable Telephone User's Guide, 68P09420A79-0

NAVSEA S0300-BV-CAT-030

COMMUNICATIONS SYSTEM (LAND-BASED)

System - P05100

ESSM - PH1830 PHONE, INTERNET SATELLITE, WORLDWIDE, BGAN 727



BGAN 727 Worldwide Satellite Internet Phone PH1830

The BGAN 727 Worldwide Satellite Internet Phone PH1830 is a packaged satellite voice and data communication system ready for quick dispatch during remote operations and operations at sea. The system is shipped with the Ancillary Set for PH1830 PH1831 which contains the antenna mount, antenna, and all necessary cables. The system can be utilized with shore based command vans in addition to deploying the VA0901 Communications System (Shipboard).

The system contains the commercial Thrane and Thrane Sailor 150 FleetBroadband terminal that provides simultaneous high-speed data and voice communication via satellite through the BGAN (Broadband Global Area Network).

Applications include:

- Internet browsing
- E-mail
- Phone services
- Large file transfer
- VPN (Virtual Private Network) access to corporate servers

Specifications

Type	Description	Qty
Manufacturer	Thrane & Thrane	
Model	TT-3064A	
Transmit frequency range	1626.5 MHz to 1660.5 MHz	

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COMMUNICATIONS SYSTEM (LAND-BASED)

System - P05100

Specifications

Type	Description	Qty
Receive frequency range	1525.0 MHz to 1559.0 MHz	
Ambient temperature	-25°C to +55°C operating; -40°C to +80°C storage	
Relative humidity	95% non-condensing at +40°C	
Power	10.5 - 32.0 V dc floating, ±0.3%, min 5W to max 10W, 10-32 V dc power supply	

Physical Characteristics

Type	Descriptions		
	Shipping		
Length	1 ft, 8 in		
Width	1 ft, 4 in		
Height	0 ft, 8 in		
Cube	2 cu ft		
Footprint	3 sq ft		
Weight	30 lb		

NAVSEA S0300-BV-CAT-030

COMMUNICATIONS SYSTEM (LAND-BASED)

System - P05100

ESSM - PH1831 ANCILLARY SET, FOR PH1830



Ancillary Set for PH1830, PH1831

The Ancillary Set for PH1830 PH1831 which contains the antenna mount, antenna, and all necessary cables.

Specifications

Type	Description	Qty
Manufacturer	ESSM Facility	
Model	PH1831	

Physical Characteristics

Type	Descriptions		
	Shipping		
Length	0 ft, 10 in		
Width	2 ft, 8 in		
Height	2 ft, 5 in		
Cube	6 cu ft		
Footprint	3 sq ft		
Weight	55 lb		

References

Ref No	Reference
1	None