



Chilean Naval Aviation

Escuadrón de Exploración Aeromarítima VP-1





Chilean Naval Aviation



BACKGROUND:

1993:

8 P-3 operatives as end user.

04 operatives / 04 spare parts source.





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BACKGROUND:

- ✓ P-3ACH Lockheed Martin, USA.
- ✓ Alfa type.
- ✓ Arrived in 1993/1994.
- ✓ MLU in IMP Halifax, Canada from 2017 to 2020.
- ✓ Project extends service for 20 more years (engine, avionics, navigation and wings).
- ✓ Today we have 2 MPA ASW planes.
- ✓ Only navy plane that covers our entire SAR AREA.
- ✓ More than 20 years of pilot exchange with US NAVY.
- ✓ Pilot training in NAS JAX and tactical training in Chile.



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Status of Fleet

Source of Repair

Stock items desired to be preserved

ACTUAL STATUS:

# of active P-3 aircraft	: 02
# of inactive P-3 aircraft	: 0
-Reason not active	: spare of operatives aircrafts
Approximate year P-3 will sundown	: 2040
Annual estimated flight hours	: 300 hours (fleet)





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TOP 15 LIST OF DEGRADERS (NAME AND PART NUMBER)

TOPIC	EQUIPMENT	PART NUMBER	NSN
ENGINES	TD CONTROL AMPLIFIER	5505067-3	011148652
	APU	380258-1-16	218796878
	FCU APU	124536-31-1	014642228
	BLEED AIR SHUTOFF VALVE	43030-A	009149508

TOPIC	EQUIPMENT	PART NUMBER	NSN
PROPELLER	VALVE HOUSING	710085-1	009994327
	PROPELLER (CAT 2)	54H60-77	008871944
	PUMP HOUSING	727785-1	004003310

TOPIC	EQUIPMENT	PART NUMBER	NSN
AUXILIARY SYSTEMS	EDC (ENGINE DRIVE COMPRESSOR)	206400-3-1B	014623916
	TEMP CONTROLLER PROGRAMING	588531-5	009186727
	TEMP CONTROLLER SELECTOR	670596-103	
	AIR MULTIPLYER PACKAGE	204790-2-1	011779505
	VALVE BUTTERFLY	106462-3-1	008847571

TOPIC	EQUIPMENT	PART NUMBER	NSN
ELECTRICITY	GENERATOR	28B95-15D	001389493
	SUPERVISORY PANEL	21B18-1-C	000606811
	SYNC BOX (VACUM TUBE)	585500	007645622

Patriotismo

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TOP 4 LIST OF AVIONIC DEGRADERS (NAME AND PART NUMBER)

TOPIC	EQUIPMENT	PART NUMBER	NSN
AVIONIC	EGI - LN-100G GEM V (NORTHROP GRUMMAN)	832450-0201-19	AR0007246
	CDU (COLLINS AVIONICS)	822-2654-020	016127412
	MFD (COLLINS AVIONICS)	822-1757-100	016700751
	DCU (DATA CONCENTRATOR UNIT) GILLESPIE DECALS, INC.	10904B02M02	016703165



AVIACION NAVAL

Patriotismo

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- AIRCRAFT DEPOT

In-Country vendor or out sourced: IMP Aerospace. Halifax CANADA (2017)

What Spec:

MLU (Mid- Life-Update) the Lockheed Martin-Tank maintenance work, replacement of wing components and assembly of a new horizontal stabilizer, implementation of digital avionics and installation of the new engines

2017-2021: Modernization and useful life extension program by IMP Aerospace in Canada, Halifax replacement of the exterior and center section of wings, new horizontal stabilizers with improved design and resistant to marine corrosion.

- REPAIR CAPABILITY IN COUNTRY

List of major assemblies repaired in country and by whom (in country vendor, or military "I" Level support etc.)?

Repair and assembly of propellers in ENAER, Chile.

- REPAIR CAPABILITY OUT SOURCED VIA CONTRACT

FMS (Foreign Military Sales)

Case CI-PJPQ , Spare parts and consumption budget. Actual Balance: \$150K USD.

Case CI-P-TBU, Pilot Training. Annual Budget: \$180K USD.



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- REPAIR UTILIZING ROR AT NAVSUP: BY NAVSUP

List of high use items repaired via NAVSUP: EGI (Inertial platform) through DIPRIDA (Direction of Research and Development Programs of the Chilean Navy).

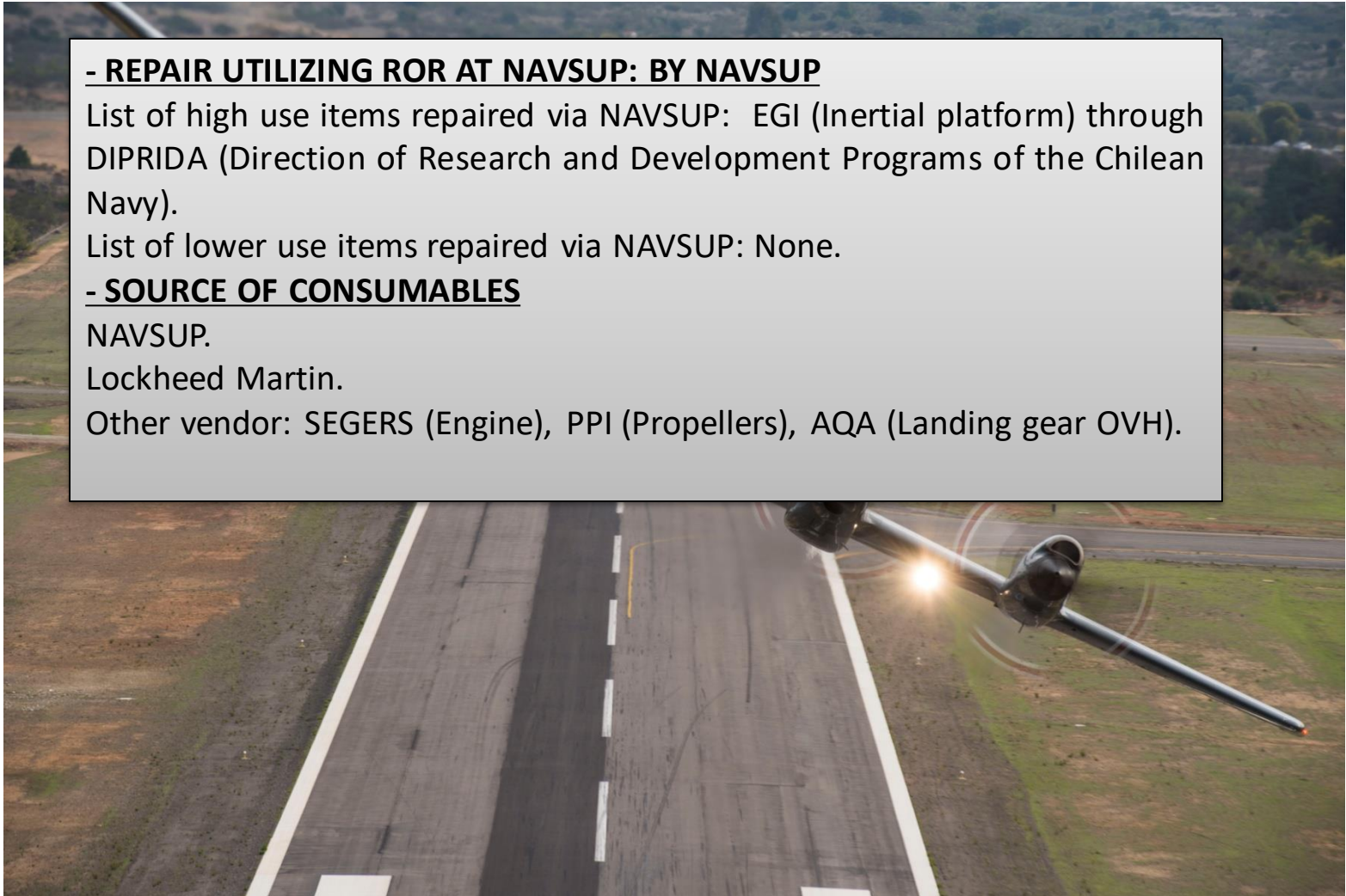
List of lower use items repaired via NAVSUP: None.

- SOURCE OF CONSUMABLES

NAVSUP.

Lockheed Martin.

Other vendor: SEGERS (Engine), PPI (Propellers), AQA (Landing gear OVH).





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- LIST OF ITEMS COUNTRY DESIRES TO PRESERVE IN USN STOCK:

Control cables (trims)	MFD.
Surface control (elevator, rudder, aileron, trim tabs, flaps)	CDU.
Leading edge.	EGI.
Stabilizer (vertical, horizontal).	Valve Housing.
Windshield (front and side windshield).	Pump Housing.
Cabin observer windows, skylight.	Brake Assy.
Landing gear actuator cylinder.	Air Multiplayer.
Doors actuator cylinder.	Seal Packing Ring.
Booster package (elevator, rudder, aileron).	Air conditioning ducts.
Radome.	Bleed air ducts.
Valve Butterfly.	
Bleed air manifold duct.	
APU.	
EDC.	
Temperature Controllers.	
Propeller.	
Engine.	
Sync Box.	



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- REPAIR CAPABILITY REQUIRED TO GET TO END DATE (NON ORGANIC)

Overhaul (APU, Engines, Propeller Assy, MLDG, NLDG).

Access to Avionic Maintenance Manuals and/or troubleshooting.

DEPOT (2026/27 – 2032/33).



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- HOW CAN PMA-290 HELP YOU MANAGE YOUR P-3 FLEET?

- Allow Off set Agreement with Northrop Grumman to repair.
- Give support to receive a response from NIPO to the L.O.R. N° CI.MO.OA. 02/2022 (June 28th, 2022).
- Obtain a P&A for a P-3, with the necessary Flight Hours to get to Chile and be used as spare parts source.

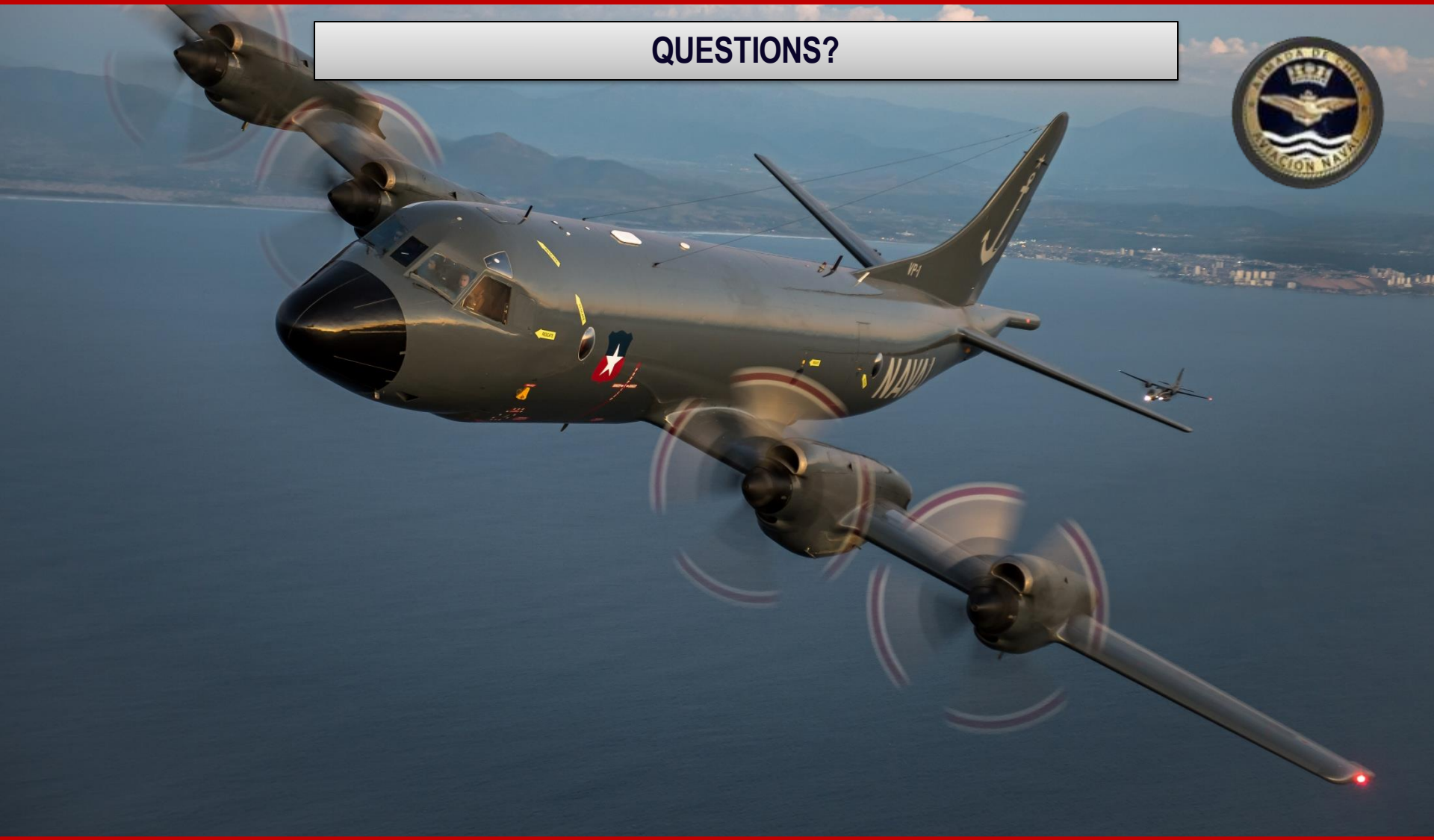




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QUESTIONS?



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