



Codice Procedura/ Procedure Code	ARSB-O&G-002
Titolo/Title	Preservation Requirements for buy materials
Stabilimento/Plant	Florence, Massa, Livorno, Vibo, Bari and Talamona
Process Owner/Process Owner	GE Oil & Gas MFG Quality Leader
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Revisione/Revision	0
Causa della Revisione/Cause of Rev.	New Issue
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Parole Chiave/Keywords	



1. General Overview

This procedure is intended to give quality requirements regarding the internal and external preservation of the items purchased by GE O&G. The requirements will be applicable for both storage at Supplier's or Oil & Gas locations.

2. Historical Trace

First Issue.

3. Scope

This procedure is applicable to all materials and items as detailed in Table 1.

4. Responsibility

It's Suppliers responsibility to implement all necessary actions in order to comply with these requirements.

5. Applicable Documents

Following documents are listed for reference only.

ITN 54750 – General Requirements – External Preservation, Packing and Marking for Shipping

ITN 02175 – Protection for the Storage and Shipment of Machines, Machine Components and Plant Components

SOS87281 – Preservation Specification for Centrifugal Compressors Rotors

6. Definitions

External Preservation. Box, barrier bag or active external preservation for the entire shipped item. Includes oil, painting and all other surface treatments.

Internal preservation. Preservation of internal areas with oil, dehydrating salts or other

7. Requirements

For all materials listed in Table 1, Supplier shall provide:

- a) Internal and External preservation. General requirement is to guarantee preservation for at least 12 months; exceptions are indicated in Table 1.
- b) Preservation Instructions. They must be included both into the Maintenance Manual (as a separate paragraph "Preservation and re-preservation activities") and into the Box of the Equipment delivered. Instructions shall indicate all detailed work activities to extend the preservation after the expiration date (12 months or less if the Box of the Equipment is opened and or the Equipment is used for a test.)
- c) PACKING PLATE: This plate shall be applied on the external side of the packing. The plate must be located in a visible position and must have dimensions such to guarantee reading. Plate shall be fasten to the packing in order to avoid plate loss during shipping and transportation activities. The label must include the following information:
 - Preservation creation date
 - Preservation expiration date (must be both in text and bar code formats)



- Storage type (A, B, C, D, etc.)

Table 1:

Equipment Type	Minimum Duration of Global Preservation	Storage Type
Machine and Auxiliary Skids (included Starting System)	12	D
Couplings	12	D
Coupling Covers	12	D
Gear Boxes	6	D
Dry gas seals and Seals Gas Panel	12	D
Ducts, Insulated Ducts, Silincer	12	D
Exchangers, Accumulators, Tube Bundles, Chillers, Separators, Air.Coolers	12	D
Carpentry/Grilles, Beams, Structures	12	D
Instrumentation, Electrical Equipment	12	B/F
Generators, Motors, Pump, Transformers	12	D
Cables on Rolls	12	D
Tubes, Commercial, Bars and Laminated Goods	12	D
Tubes to Drawings, Tubing, Threaded Bars	12	D
Foundations, Fastenings and Accessories	12	D
Battery Chargers, Fire-Fighting Skids	12	D
Electric Cabinets	12	A/E
IMO Materials, Electrolyte Batteries, Flammable Fluids, Paints, Solvents	12	F
Pressurised Containers	12	G
Metal or PVC Barrels, Containers in General	12	D
Filter Cartridges	12	D
Container Control Cabin, Pressurised Container	12	D
Filter Chambers, Drain, Pipes, Ventilation Pipes, Intake Pipes	12	D
Spare Parts, Rotors, Diaphragms, Gaskets	12	B/F
Spare Parts, Rotors, Diaphragms in Pressurised Metal Containers	12	SOS87281
Alternative Cylinders / Machine Frames	12	B/F
Insulating Materials	12	D
Hoods and Acoustic Panels	12	D
Valves, Joint	12	B/F
Fans	12	D
Tancks	12	D
Baseplates	6	D

Storage Type:

"A" - Enclosed controlled climate warehouse (from 5°C to 40°C, max . humidity 80%)

"B" - Enclosed warehouse

"C" - Storage under roof

"D" - Outdoor Storage

"E" - Enclosed controlled climate warehouse for hazardous goods (from 5°C to 40°C, max. humidity 80%)

"F" - Enclosed warehouse for hazardous goods

"G" - Storage under roof for hazardous goods