



<b>Codice Documento/ Document Code</b>	ARSB-O&G-003
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## 1. General Overview

This document is part of the GE Oil & Gas standard purchase order and adds special requirements for all those materials, purchased by GE Oil & Gas, with properties (chemical, mechanical, electrical, etc.) deteriorating with time and not necessarily intended for immediate use, but also for storage (usually on shelves).

The application of this document is necessary to comply with Customer-imposed shelf life requirements.

## 2. Historical Trace

First Issue.

## 3. Scope

This document is applicable to all items with an expiration date as defined by the Manufacturer (i.e. Supplier). For the purpose of this document, these items are called "limited shelf-life", "shelf-life" or "perishable" items. This document does not apply to the items after they have been used or assembled.

The list in table A gives examples of items in scope. Suppliers apply this document to all those items that, based on their knowledge, have a limited useful life.

## 4. Responsibility

It's Suppliers responsibility to implement all necessary actions to comply with the requirements of section 7.

## 5. Applicable Documents

Following documents are listed for reference:

ITN 84610 – Pressed and joined O-ring gaskets

ISO 2230 – Rubber Products - Guidelines For Storage

## 6. Definitions

**Limited shelf-life** or "**shelf-life**" or "**perishable**" items: items for which manufacturer declares (or industry requires) an expiration date.

**Total shelf life** is the period of time from the date of manufacture to the warranted expiration date of the material.

**Remaining useful Life** is the period of time between the current date and the expiration date of the material.

## 7. Requirements

For all materials in scope of this procedure, Supplier shall ensure that the following shelf-life information are clearly marked on each label or indented on each item:

- Date of manufacture and the expiry date; or
- Date of manufacture and the manufacturer's warranted shelf-life period; or
- Expiry date and the manufacturer's warranted shelf-life period; or
- All of the above.

If products are provided in a "kit" the shelf life of each item in the kit must be clearly marked or indented with the required shelf-life data indicated above.

When delivered at the designated place of delivery, such materials must be brand new, with remaining useful life  $\geq 90\%$  of the total shelf life. GE O&G shall be entitled to reimbursement (or offset) from Supplier for materials received that do not conform to the conditions specified above. To meet this requirement it is strongly recommended that the shipped goods are always part of the latest available pack or batch of production.

Storage procedure for such materials must be indicated on the product label.



**Table A: Reference list for “shelf-life” item**

COD_PROD	ITALIAN_DESC	ENGLISH_DESC	COMMODITY
G1101	GUARN PIANE(RICAVATE DA LASTRA IN FIBRE ARAMIDICHE ECC )ESED A AMIANTO;A DIS E/O ITN84603A604,ITN84607A608;ITR27107A11ITR2710A104; GUARNIZIONI IN GRAFITE E/O GRAFOIL ECC	PLASTIC GASKET	C-Parts
G1102	O-RING ELASTOMERI VARI NON GIUNTATI	O RING NOT JOINED VARIOUR MATERIALS	C-Parts
G1103	GUARNIZ VARIE A CATALOGO - TECNOPOLIMERI (TEFLON-FLUON ECC) MISC	STANDARD GASKET - GASKETS AS PER TECNOPOLIMERI CATALOGUE (TEFLON-FLUON	C-Parts
G1104	GUARNIZIONI IN GOMMA	RUBBER GASKET	C-Parts
G1110	GUARNIZIONI SPECIALI A DISEGNO	CUSTOMIZED GASKET - SPECIAL GASKETS AS PER DRG	C-Parts
G1111	O RINGS IN ESECUZIONE GIUNTATA PER VULCANIZZAZIONE	O RINGS JOINED TYPE BY VULCANIZATION	C-Parts
G1120	GUARNIZIONI A NASTRO IN P T F E (FLEX-O-DIT)	PTFE TAPE GASKET	C-Parts
G2102	SOFFIETTI MEMBRANE IN GOMMA	RUBBER DIAPHRAM BELLOWS	Engineered Systems
G2103	SOFFIETTI IN PELLE (PROTEZIONI)	LEATHER BELLOWS (FOR PROTECTION) G2104 - BELLOWS FOR DVS INSTRUMENTATION IN BRONZE (TOMBAC)	Engineered Systems
G7301	LUBRIFICANTI	LUBRICATING PREPARATION	Site unique - Material
G7302	MASTICI - COLLANTI -ADESIVO	OTHER ADHESIVES AND SEALANTS	Site unique - Material
G7303	VERNICI-DILUENTI-SOLVENTI	PAINTS AND PRIMERS	Site unique - Material
1CC00	PRODOTTI CHIMICI - SOLVENTI E DILUENTI Chemical products - thinners, solvents	CHEMICAL PRODUCT - SOLVENTS AND DILUENTS	MRO (Maintenance, Repair & Operation)
1CC01	PRODOTTI CHIMICI - PROTETTIVI ( COMPRESO VERNICI ) Chemical products - paint	PAINTING PRODUCTS	MRO (Maintenance, Repair & Operation)
1CC02	PRODOTTI CHIMICI - ADESIVI Chemical products - adhesives, bonding agents	CHEMICAL PRODUCT - ADHESIVES	MRO (Maintenance, Repair & Operation)
1CC03	PRODOTTI CHIMICI - LUBRIFICANTI Lubricants	CHEMICAL PRODUCT - LUBRICANTS	MRO (Maintenance, Repair & Operation)
1CC04	PRODOTTI CHIMICI PER PROVE DI LABORATORIO Chemical products for non-destructive lab tests	CHEMICAL PRODUCT FOR LABORATORY TESTS	MRO (Maintenance, Repair & Operation)
1CC05	PRODOTTI CHIMICI - ALTRI Chemical Products - others	CHEMICAL PRODUCT - OTHERS	MRO (Maintenance, Repair & Operation)
1FD00	OLII E GRASSI LUBRIFICANTI Fuels(Lubricating oils and greases)	OILS AND LUBRICANT GREASES	MRO (Maintenance, Repair & Operation)

*COD\_PROD is for internal Oil & Gas reference only*