



Exploration & Production

GENERAL SPECIFICATION

Drilling & Wells

GS EP FP 331

**Seamless carbon and low alloy OCTG Pipes
purchased from stock**

02	01/2012	Revision of the referential following E&P reorganisation, March 2011 Scope, PSL, waiver and technical requirements modifications
01	09/2009	Update of reference documents
00	10/2006	First issue
Rev.	Date	Notes

Owner: OPS/FP

Managing entity: OPS/FP



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1. Scope

This General Specification specifies the technical supplementary delivery conditions for steel pipes (casing, tubing, plain-end casing liners and pup joints), coupling stock and accessories for the use within the TOTAL group.

This Specification is applicable to [ISO 11960](#) / [API SPEC 5CT](#) material grades and other agreed proprietary grades of material.

This specification defines the actions to be taken by the purchaser and the supplier of the given material specifically for OCTG coming from a given stock that is outside the control of TOTAL.

This General Specification does not cover any OCTG products for which the supplier will place a specific order in an OCTG manufacturing mill.

2. Reference documents

The reference documents listed below form an integral part of this General Specification. Unless otherwise stipulated, the applicable version of these documents, including relevant appendices and supplements, is the latest revision published at the EFFECTIVE DATE of the CONTRACT.

Standards

Reference	Title
API SPEC 5CT	Specification for Casing and Tubing
ISO / TS 29001	Petroleum, petrochemical and natural gas industries — Sector-specific quality management systems — Requirements for product and service supply organizations
ISO 11960	Petroleum and Natural Gas Industries – Steel Pipes for Use as Casing or Tubing for Wells.

Professional Documents

Reference	Title
Not applicable	

Regulations

Reference	Title
Not applicable	

Codes

Reference	Title
Not applicable	



Other documents

Reference	Title
Not applicable	

Total General Specifications

Reference	Title
GS EP FP 330	Manufacturing Specification For New Seamless OCTG Carbon & Low alloy Material
GS EP FP 351	Ex-stock OCTG Inspection Activities

3. Purchaser

3.1 Information to be supplied by the purchaser

The purchaser should consult the relevant company standard before selection of the stock pipe is made.

The origin of the already manufactured OCTG seamless casing and tubing shall possess an [API SPEC 5CT](#) license and an [ISO / TS 29001](#) certification, or a purchaser approved equivalent.

When enquiring or placing orders for pipe to be manufactured in accordance to this TOTAL specification the purchaser shall specify the following details as described in 3.2.

3.2 Requirements to be specified on PO / enquiry

- I. Standard [ISO 11960](#) or [API SPEC 5CT](#) or agreed proprietary specification.
- II. Seamless or electric-welded
- III. Quantity
- IV. Specified outside diameter
- V. Specified mass (weight) or wall thickness
- VI. Grade and type where applicable
- VII. PSL
- VIII. Type of pipe or couplings
 - Casing:
 - o Threaded or plain-end
 - o Threaded & coupled or integral joint
 - o Type of connection
 - o With or without couplings
 - o Special clearance couplings

- Liners:
 - o Non-upset, external-upset or integral joint
 - o Threaded or plain-end
 - o Type of connection
 - o With or without couplings
 - o Special clearance couplings
- Tubing:
 - o Non-upset, external-upset or integral joint
 - o Threaded, plain-end, or other connection
 - o With or without couplings
 - o Special bevel couplings
 - o Special clearance couplings
- Couplings:
 - o Type of connection
 - o Special bevel
 - o Special clearance
- IX. Range length
- X. Marking requirements
- XI. Drift (special)
- XII. Thread and storage compound
- XIII. Thread protectors
- XIV. Coatings – (internal / external)
- XV. Packaging instructions
- XVI. Quality assurance requirements – (TPI inspection level as per the relevant company standard)
- XVII. Delivery date and shipping instructions
- XVIII. Any deviations from the following minimum requirements

4. Technical requirements

All OCTG being purchased from stock shall meet the minimum requirements as stated in [ISO 11960 / API SPEC 5CT](#) latest revision and [GS EP FP 330](#).

4.1 Material

4.1.1 Material Types and level's

The following grade types and Product Specification Levels (PSL) plus the additional requirements as stated in this document are acceptable as the minimum to TOTAL unless otherwise advised. **(As per [GS EP FP 330](#))**

Table 1

Grade	Type	PSL	Comments
J55	-	1	
K55	-	1	
N80	Q	2	Only type Q shall be supplied unless agreed by the purchaser
L80	1	2	
L80	13Cr	3	
C90	1	3	Only type 1 shall be supplied unless agreed by the purchaser.
C95	-	2	
T95	1	3	Only type 1 shall be supplied unless agreed by the purchaser.
P110	-	2	
Q125	1	3	Only type 1 shall be supplied unless agreed by the purchaser.

The above types and PSL's plus the additional requirements as seen in **GS EP FP 330** are the minimum standard for TOTAL unless:

- otherwise agreed;
- If the pipes are intend to be used as base pipes for screens for which PSL1 will be suitable;

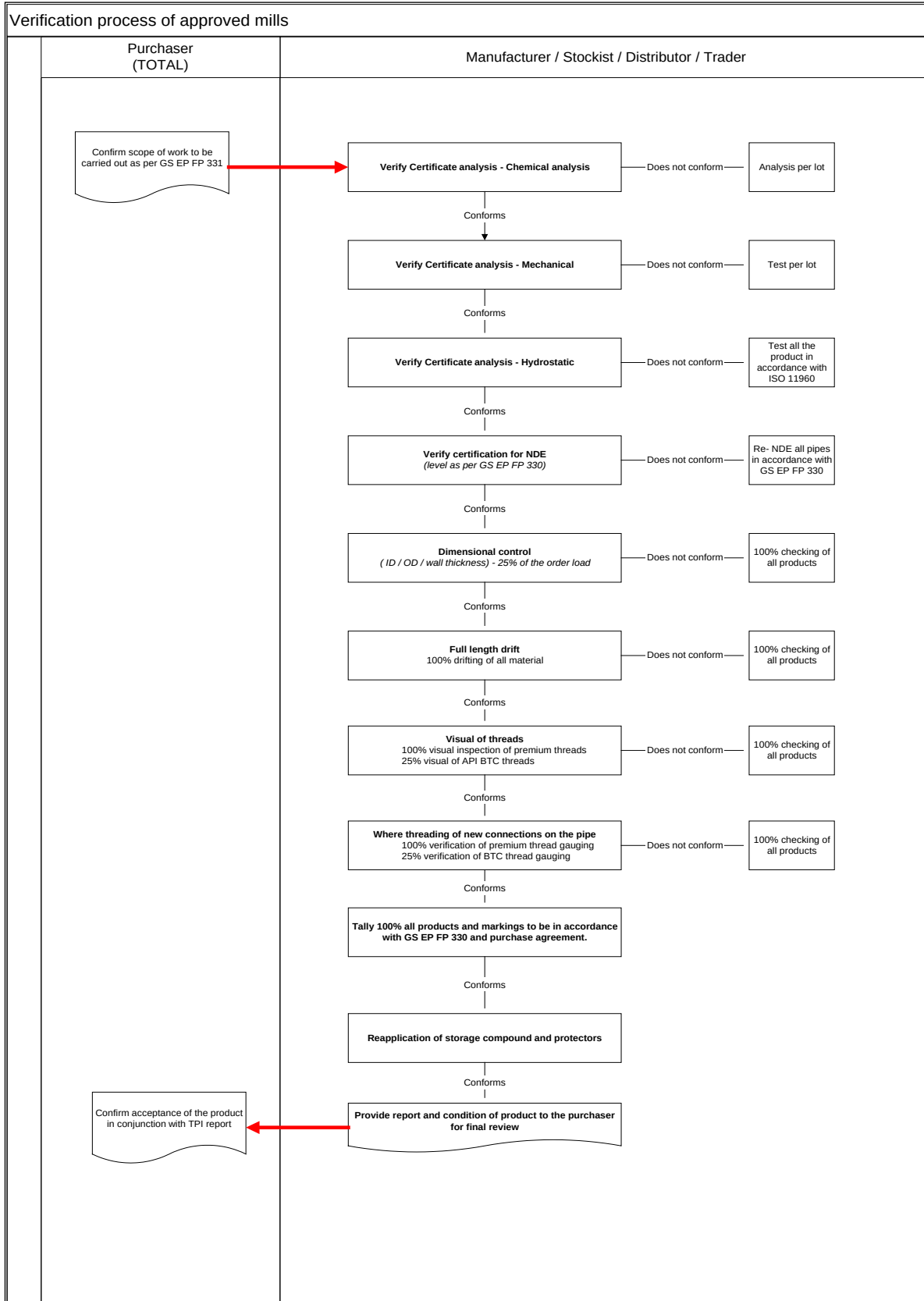
Where proprietary grades of steel are proposed as an alternative to the ISO / API as stated above, the Stockist / Distributor / Trader shall submit the manufacturing process specification for approval before use. Any revisions to the specifications should be submitted to TOTAL before commencement of production.

4.1.2 Stock Products with approval from COMPANY

The OCTG Stockist / Distributor / Trader shall carry out the following activities and allow the purchasers third part inspector access for the surveillance / rework / review / inspection and any other testing to be performed at the storage site or subcontractors site excluding the pipe manufacturing site.

All workmanship related to the acceptance of the OCTG will be born by the Stockist / Distributor / Trader unless otherwise agreed by the purchaser.

The following process flow chart is applicable only to products coming from TOTAL approved mills.



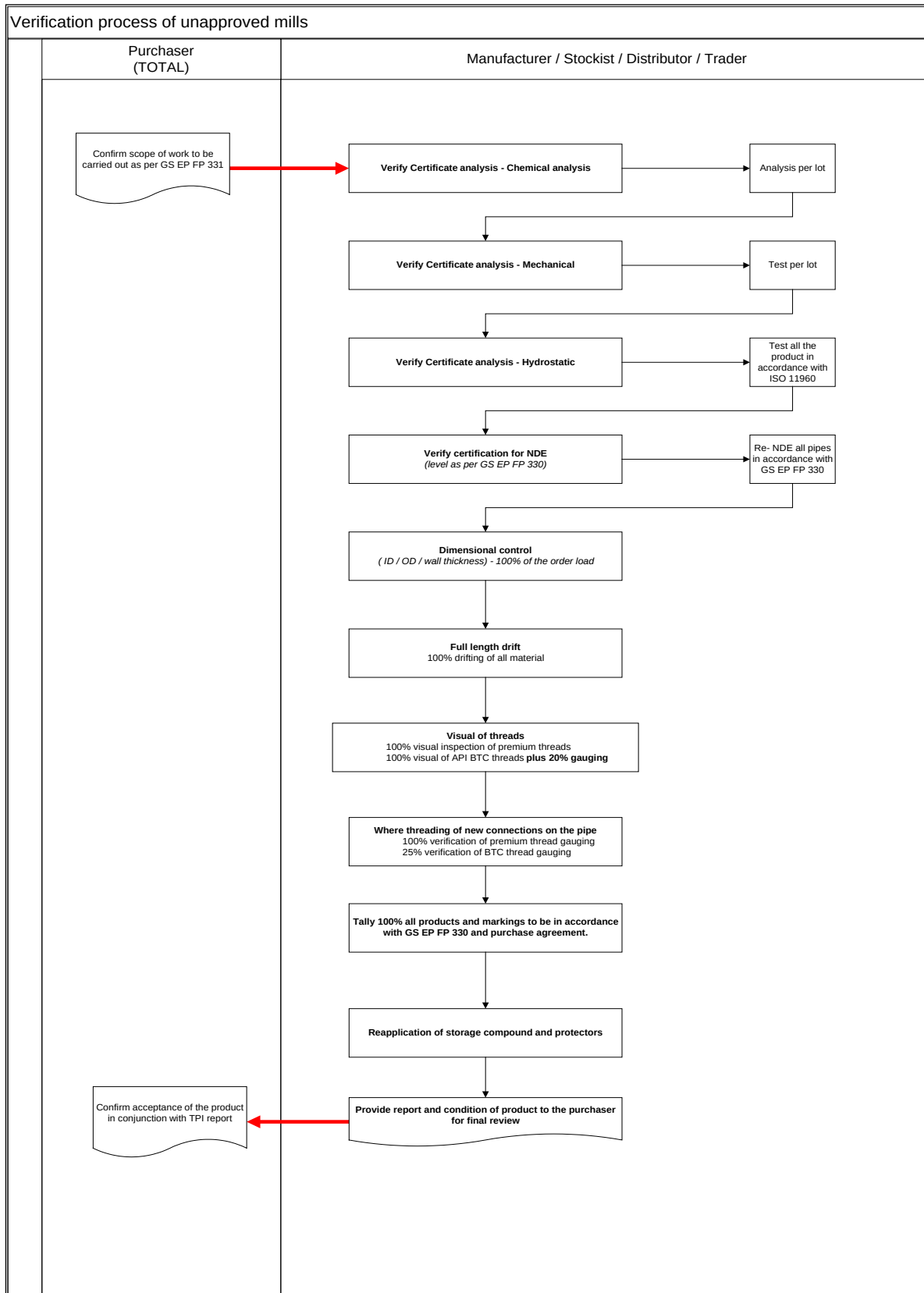


4.1.3 Stock Products without approval from COMPANY

The OCTG Stockist / Distributor / Trader shall carry out the following activities and allow the purchasers third part inspector access for the surveillance / rework / review / inspection and any other testing to be performed at the storage site or subcontractors site excluding the pipe manufacturing site.

All workmanship related to the acceptance of the OCTG will be born by the Stockist / Distributor / Trader unless otherwise agreed by the purchaser.

The following process flow chart is applicable only to products coming from mills not approved by TOTAL or “approved “products not with 100% traceability.





4.2 Marking

All finished pipes shall be marked as stated in **GS EP FP 330** unless otherwise stated in the purchase agreement.

4.3 Protectors

All finished pipes shall be furnished with protectors as stated in **GS EP FP 330** unless otherwise stated in the purchase agreement.

Only by agreement with the purchaser will substitute protectors be used.

4.4 Storage Compound

All finished pipes shall be furnished with storage compound as stated in **GS EP FP 330** unless otherwise stated in the purchase agreement.

4.5 Third Party Inspection

The protocols and scope of work for the third party inspection representative are described in **GS EP FP 351**.

A level of inspection shall be quoted in the purchase agreement. If no inspection level is quoted then level 3 will apply unless otherwise advised.

As described in the above General specification adequate notice should be given and good line of communication should be established between the manufacturer and the TPI.

4.6 Waiver / Derogation

Where the Stockist / Distributor / Trader will not be able to fulfil the requirements of this General Specification, the Stockist / Distributor / Trader shall ask for derogation to the purchaser.

Where the steel pipes (casing, tubing, plain-end casing liners and pup joints), coupling stock and accessories delivered by the Stockist / Distributor / Trader will not fulfil the requirements of this General Specification and where the Stockist / Distributor / Trader will not be granted a derogation by the purchaser, the third party inspection representative will not accept the materials.