

Authorization to Ship (ATS) Documentation Review Process

User Guide for Suppliers

Table of Contents

Section	Title	Page
1	Introduction	3
2	Definitions	3
3	Acronyms	3
4	Procedure	4
4.1	Process Workflow	4
4.2	Traceability Requirements	4
4.3	Ensure eSMDR approval	6
4.4	ATS Form	6
4.5	MIR Report Checklist	7
5	General Documentation Review	8
5.1	Certificate of Compliance	8
5.2	Material Traceability List	9
5.3	Material Certificate	10
5.4	Example: Non-Destructive Examination	12
5.5	Example: Welding Reporting Criteria	17
5.6	Example: Clad Thickness Reporting Criteria	17
5.7	Example: Hardness Report Reporting Criteria	18
5.8	Example: Dimensional Inspection Reporting Criteria	19
5.9	Example: Coating Reporting Criteria	20
5.10	Example: Lifting Part Certification Reporting Criteria	21
5.11	Example: Assemblies Reporting Criteria	22
5.12	Example: Seals Reporting Criteria	22
5.13	Example: PMI Reporting Criteria	23
5.14	Example: Weight Certificate Reporting Criteria	23

1 Introduction

The Authorization to Ship (ATS) Documentation Review Process is intended to ensure that all manufacturing records required per TechnipFMC's Part Report are received, reviewed, and accepted by TechnipFMC prior to the shipment of physical parts from Suppliers.

This document provides examples for the ATS Documentation Review Process. It is merely a reference/guide on how TechnipFMC reviews the supplier documents. Each requirement reflected in the individual sections is subject to the TechnipFMC Part Report calling them out. Further, the records submitted by TechnipFMC's Suppliers shall be accurate, regardless of TechnipFMC's scope of verification during pre-delivery.

Supplier and TechnipFMC shall follow the latest actual requirements as defined in either the Purchase Order or TechnipFMC Part Report. At no point does this document serve to create requirements.

Note: ATS is exempted for non-traceable parts (no serialization or batch management) having no post-manufacturing documentation / MIR requirements.

Changes for this revision are indicated in red fonts.

2 Definitions

Items for Accuracy: Recommends the parameters that shall be documented, and emphasizes on the exactness or precision of those parameters. These shall be treated as non-conforming if they are missing or incorrect if required on the Part Report.

Items for Reporting: Recommends parameters that shall be documented, but may not be verified against a specific requirement. These shall be treated as non-conformance if they are missing.

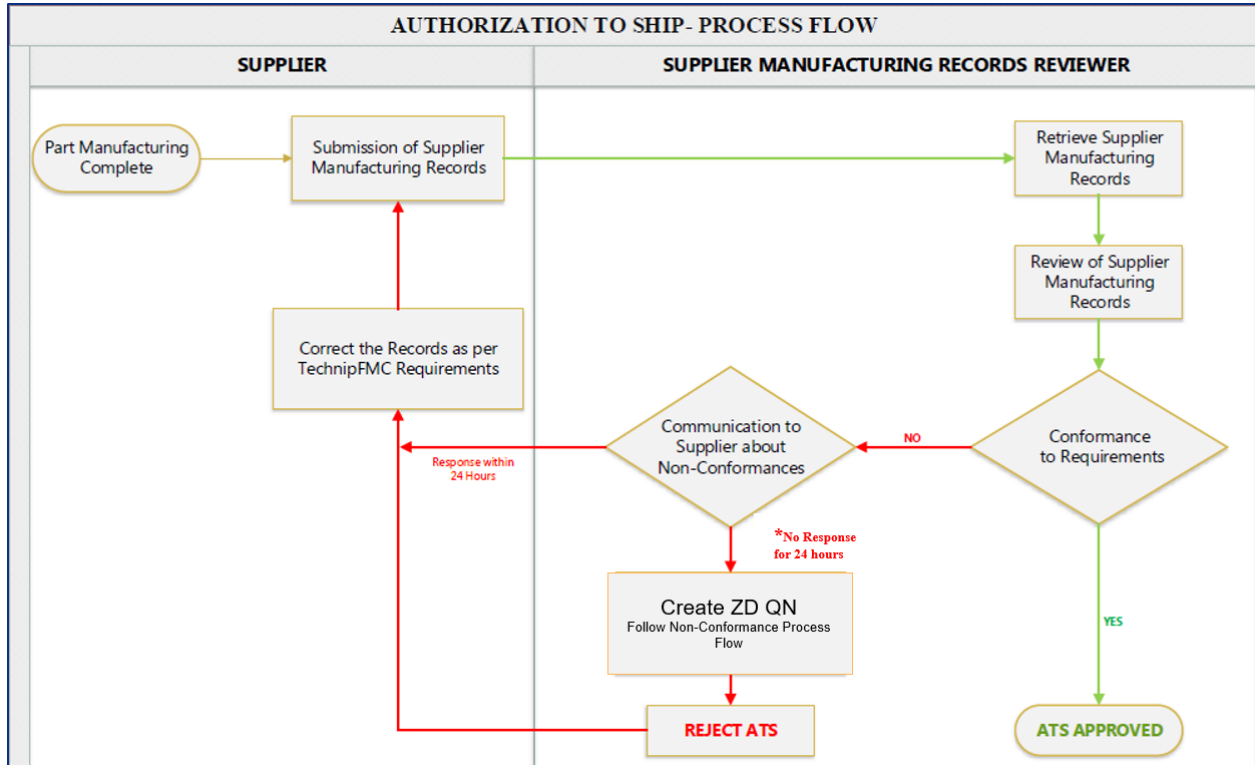
3 Acronyms

Acronym	Definition
ASY	Assembly Procedure
ATS	Authorization to Ship
COC	Certificate of Conformance
CR	Computed Radiography
DR	Digital Radiography
eSMDR	Electronic Supplier Master Document Register
FAT	Factory Acceptance Test
MCR	Mechanical Completion Record
MIR	Manufacturing Information Requirement
MTR	Material Test Report
NDE	Non-Destructive Examination
PAUT	Phased Array Ultrasonic Test
PMI	Positive Material Identification
PO	Purchase Order
QTC	Qualification Test Coupon
TST	Test Procedure
WPS	Welding Procedure Specification

4 Procedure

4.1 Process Workflow

Note: ATS is exempted for non-traceable parts (no serialization or batch management) having no post-manufacturing documentation / MIR requirements.



* AS APPLICABLE: Requirements out of specification which affects Form, Fit and Function, immediately create a ZD QN.

4.2 Traceability Requirements

4.2.1 Serialization

A serial number shall be provided if specifications in Section 4.2.3, Traceability Table, are called out on the TechnipFMC Part Report.

QUALITY MATRIX: [1QM6006](#)

SECTION: 4.2.5	REV: C	OWNER: HOU COE	STATUS: RELEASED
ASSEMBLY W/SERIALIZATION			
Q15002	CTQ LEVEL 2		
Q00303	CERTIFICATE OF COMPLIANCE		
Q03401	SERIALIZATION		
Q02500	VISUAL EXAMINATION - RAW-COMPONENTS-ASSEMBLIES		
Q00501	MARK AT LOCATION SHOWN ON DRAWING/SPECIFICATION.		
Q00651	HANDLING, STORAGE, AND SHIPPING PROCEDURE		
Q03406	TRACEABILITY LIST		

Documents shall contain reference to Serial Number(s) as required by reporting section of the Specification. For turn-key parts with multiple levels, it is advised to reference the individual Part Number calling for the activity to be performed, not just the final deliverable. Please ensure all documents contain the information.

4.2.2 Batch Management

A batch number shall be provided if specifications in Section 4.2.3, Traceability Table, are called out on the TechnipFMC Part Report.

QUALITY MATRIX: <u>1QM0000</u>			
SECTION: 5.2	REV: B	OWNER: HOU AE	STATUS: RELEASED
	STUDS AND FASTENERS		
<u>Q15003</u>	CTQ LEVEL 3		
<u>Q00346</u>	SPECIFICATION, REQUIREMENTS FOR VERIFICATION, PACKAGING AND MARKING OF STUDS, NUTS AND FASTENERS.		

SECTION: 4.9.2	REV: B	OWNER: HOU AE	STATUS: RELEASED
	BATCH MANAGEMENT		
<u>Q03402</u>	BATCH MANAGEMENT.		

Documents shall contain reference to Batch Number(s) as required by reporting section of the Specification. Please ensure all documents contain the information.

4.2.3 Traceability Table

Spec	Specification type	Traceability type
Q03401	General Serialization	Serialization
Q03402	General Batch Management	Batch Management
Q00306	Lifting Specification	Serialization
Q00307	Lifting Specification	Batch Management
Q00308	Lifting Specification	Serialization
Q00309	Lifting Specification	Serialization
Q00310	Lifting Specification	Serialization
Q00312	Lifting Specification	Serialization
Q03405	Elastomer Specification	Batch Management
Q03803	Elastomer Specification	Batch Management
Q03804	Elastomer Specification	Batch Management
Q03805	Elastomer Specification	Batch Management
Q03808	Elastomer Specification	Batch Management
Q03809	Elastomer Specification	Batch Management
Q03810	Elastomer Specification	Batch Management

Note: This table is not all encompassing, and shall be treated as an example only. Additional specifications may require traceability per TechnipFMC Part Reports.

4.3 Ensure eSMDR approval

eSMDR is a web-based tool that summarizes for Supplier which pre-manufacturing documents (e.g. MPQ/MPQP, special process procedures, engineering documents, etc.) shall be reviewed and approved by TechnipFMC (and TechnipFMC's Client when required) for each part number.

The Supplier shall begin manufacturing only after the pre-manufacturing requirement row(s) has been approved on the eSMDR ("YES" is selected for "Procedure Approved for Part") and a written response has been provided back to Supplier by a eSMDR Coordinator.

If you have questions concerning eSMDR, please reference the [Global User Guide for TechnipFMC Suppliers](#), found on the INFO link of the TechnipFMC Part Report. eSMDR shall be approved prior to submitting the ATS, otherwise it is nonconforming. Please provide a Screen Shot of the approved eSMDR in the Documentation Package in order to expedite the review process.

4.4 ATS Form

The [ATS Form](#) is a tool that summarizes the order information that Supplier is submitting to be reviewed and approved by TechnipFMC. Instructions guiding the use of this form can be found on the INFO link of the TechnipFMC Part Report under ATS Form.

The ATS Form shall be approved prior to submitting the ATS, otherwise it is nonconforming.

4.5 MIR Report Checklist

The Manufacturing Information Requirement (MIR) Report is a tool to automatically generate a list of all manufacturing information requirements that are called for on the Part Reports. This report has been used by personnel to double check that they have met expected Manufacturing Information Requirements.

The MIR Report is not the same as eSMDR, and the two should not be confused. The MIR report summarizes documentation that is required as a result of the manufacturing process. The MIR report is a listing of the manufacturing records with links to the specifications driving the requirement on the Part Report.

The MIR Report is not a requirement for Suppliers to populate and submit to TechnipFMC, but the report is a useful tool to quickly verify requirements are met.

Instructions guiding the use of the MIR Report can be found on the INFO link of the TechnipFMC Part Report under '[MIR Report Update - April 17, 2015](#)'. Please refer to this for detailed instructions on using the MIR Report as a tool.

5 General Documentation Review

5.1 Certificate of Compliance

COC is a declaration provided by Supplier to TechnipFMC stating the conformance to the part requirements. Supplier shall provide the COC in the supplier document whenever Q00303, or similar specification, is required on the Part Report.

The Supplier shall document all the requirements stated in the required specification. Below are the parameters that may be reported on COC issued by Supplier to TechnipFMC. Please refer to TechnipFMC Part Report for specific reporting requirements.

Items for Accuracy

1. Part Number and Revision level
2. Traceability (ref. Section 4.2)
3. Purchaser's reference (i.e. TechnipFMC PO number and Line item number)
4. Quantity being certified

Items for Reporting

1. Date of Issue
2. Material and temperature class shall be recorded when required by TechnipFMC Part Report
3. Conformance statement affirming that the deliverable has met the specifications required by the TechnipFMC Part Report
4. Name and address of issuing company
5. Any additional manufacturer's references or information
6. Name, job title, and signature of person authorized by the organization/company to issue the certification

5.2 Material Traceability List

A material traceability list provides the traceability of all the sub-component parts involved in the assembly. It shall provide a link between the upper level and lower level trace numbers.

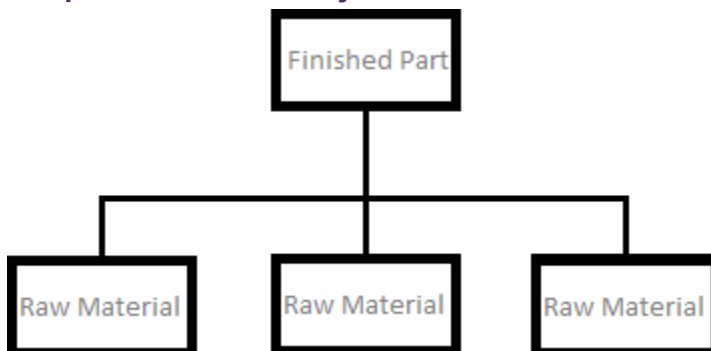
Supplier shall provide the material traceability list in the supplier records whenever Serialization is required (ref. Section 4.2.3, Traceability Table). In addition, a traceability list for kits shall be provided whenever Q03404 is required on the Part Report.

Q03406 (or any comparable specification) is to be referred for the content requirements of a traceability list.

Single level traceability:



Multiple level traceability:



5.3 Material Certificate

Material certificate may consist of different sections, including the chemical, mechanical and heat treatment analysis of the material used by the manufacturer.

5.3.1 Chemical Analysis

When required, chemistry shall be provided proving conformance to specifications' requirements. The composition of chemical element(s) shall be documented and shall be in range based on the specifications found on the TechnipFMC Part Report.

TechnipFMC Specifications are often more restrictive than basic material types. Please make sure the values meet the TechnipFMC ranges in addition to the industry minimums.

5.3.2 Mechanical Analysis

When required, mechanicals shall be provided proving conformance to specifications' requirements. The values provided by Supplier shall be documented and shall be in range based on the specification.

TechnipFMC Specifications are often more restrictive than basic material types. Please make sure the values meet the TechnipFMC ranges in addition to the industry minimums.

Examples of Material tests include:

Tensile Strength, Yield Strength, Elongation and Reduction in Area.

5.3.3 Charpy Impact Testing

If any specifications' requirements related to Charpy test is called out on the Part Report, Supplier shall provide reports. Please ensure the provided results conform to the test temperature and the values within the specification's ranges.

5.3.4 Hardness Testing

Reference Section 5.7

5.3.5 Heat Treatment Analysis

There are several specifications that require heat treatment to be reported. Examples appear below. Please refer to TechnipFMC Part Report for specification requirements.

Q01206 - Covers information for the general heat treatment requirements.

Q01207 - This specification defines heat treatment procedures and practices which are common to all products.

Q01209 - Is for specific application and requires a mandatory prolongation. In addition, this specification requires Supplier to provide the heat treatment chart(s).

5.3.6 Example: MTR Reporting Criteria

Items for Accuracy

1. Part Number and Revision level
2. TechnipFMC Work/Service Order Number & PO Number and Line Item Number
3. TechnipFMC Specification/Procedure (including Revision Level)
4. All applicable heat-treat cycle parameters that determine the final mechanical properties (i.e. Normalizing, Austenitizing, and Tempering Times and Temperatures)
5. Chemical & mechanical properties (ref. Section 5.3)
6. When required, Charpy V-Notch test parameters (Absorbed Energy, Temperature, Orientation, % Shear and MLE)
7. Traceability (ref. Section 4.2)

Items for Reporting

1. Date of material certification
2. Type of Quenchant used (e.g. water, oil, polymer), temperature at start and finish of quenching, and transfer time from furnace to quench (if applicable)
3. Type, size and hardness of test piece (Part, Prolongation, QTC)
4. Control thermocouple (air, contact, or embedded) & recording thermocouple, if not a furnace set point thermocouple (e.g. contact, or embedded)
5. Grain size for low alloy steel (either grain size number listed, or fine grain practiced listed)
6. Forging reduction ratio of raw material (and QTC if applicable)
7. Name of raw material/ingot Supplier/Subcontractor, if the product is a forging. Not required on other mill shapes.
8. Name of forging Supplier/Subcontractor and name of heat treatment Supplier/Subcontractor, if not heat treated by the original mill source.
9. Name of material property testing source, if not tested by the original mill source.
10. Contractor's QA signature (or printed name) of material compliance to relevant specifications.
11. Identification code number of the furnaces used in the heat treatments shall be recorded on the heat treatment charts. Heat treat charts do not have to be supplied unless specifically requested by TechnipFMC. Include Furnace Load Maps when required.

5.4 Example: Non-Destructive Examination

NDE shall be performed as per the respective specifications' requirements, Engineering Notes on the Part Report, or NDE procedures which are approved by TechnipFMC prior to the testing. Please ensure these procedures are approved in eSMDR before submitting the ATS.

5.4.1 Ultrasonic Reporting Criteria

Items for Accuracy

1. Part Number and Revision level
2. Traceability (ref. Section 4.2) and / or weld identification
3. TechnipFMC Specification/Procedure (including Revision Level)
4. Quantity Examined
5. Results of examination: acceptance statement or rejectable and recordable indications, location, depth, and size

Items for Reporting

1. Ultrasonic Test Report Number
2. TechnipFMC Part Description - material type and thickness
3. Date of examination
4. Scope of examination, including referenced scan plan.
5. Examination parameters: transducer type, frequency, and size. Sensitivity setting, type of instrument, couplant, and any other information necessary to duplicate the examination
6. Type of Instrument used, manufacturer, model, serial number, and calibration date
7. Reference or calibration blocks used for examination
8. Technician Name, Certification Type (ASNT, SNT-TC-1A, ISO 9712 etc.) and Level
9. If examination is performed by third party, the report shall be presented to TechnipFMC on third party letter head
10. For reporting the locations of rejectable indications, a sketch will be prepared showing the physical outline of part or physical cross section of the weld, including dimensions of all areas not inspected due to geometric configuration with the axial, radial and circumferential distribution of the indications when applicable
11. Customer witness name and date (if applicable)

5.4.2 Example: Radiographic Reporting Criteria

Items for Accuracy

1. Part Number and Revision level
2. Traceability (ref. Section 4.2) and / or weld identification
3. TechnipFMC Specification/Procedure (including Revision Level)
4. Quantity examined
5. Results of examination (grade sheet listing views acceptable, views rejectable and type of defect)

Items for Reporting

1. Image number (location markers denoting the area of interest)
2. Date of examination
3. TechnipFMC Part Description - material type and thickness
4. Scope of examination
5. Radiographic parameters used (radiation source, size, curies/amps/Kv, screens/filters, film type or CR imaging plate, exposure technique, shooting sketch if applicable for multiple configurations, type of exposure, relevant IQI (Image Quality Indicator), material thickness, focal distance, etc.)
6. For Film radiography, the brand of film used, name and manufacturer of source and related equipment.
7. For CR, radiography, the manufacturer of the phosphor imaging plate, designation and related equipment.
8. Film package (rejectable film will be marked up for film to part correlation)
9. Image Interpreter's name, certification type (ASNT, SNT-TC-1A, ISO 9712 etc.), and level
10. If examination is performed by third party, the report shall be presented to TechnipFMC on third party letterhead. The report shall be on the letterhead of the company performing the RT
11. Additionally, for CR / DR:
 - a. Manufacturer, Model and serial number of the scanner and high resolution monitor.
 - b. Imaging software version and revision.
 - c. Numerical values of the final image processing parameters, i.e., filters, window (contrast), and level (brightness for each view).
 - d. The data file shall be submitted with the report for ATS to file.
12. The traceability code or weld numbers on the RT report and film shall match those provided by the weld Supplier/Subcontractor.

5.4.3 Example: Magnetic Particle Reporting Criteria

Items for Accuracy

1. Part Number and Revision level
2. Traceability (ref. Section 4.2) and / or weld identification
3. TechnipFMC Specification/Procedure (including Revision Level)
4. Quantity Examined
5. Results of Examination indicating acceptance, rejection or additional recommended tests.

Items for Reporting

1. Report Number
2. TechnipFMC Part Description - material type and thickness
3. Date of Examination
4. Scope of Examination
5. Type of equipment used to apply the magnetic field, manufacturer and model, serial number, and most recent (last) calibration date (calibration information does not apply to yokes)
6. Examination Parameters (amperage used and/or any other information necessary to duplicate the examination)
7. Lighting equipment
8. Particles used
9. Reports for rejected material will include a sketch with approximate location and size of defects
10. NDE Technician's Name, certification type (ASNT, SNT-TC-1A, EN ISO 9712, etc.), technician certification number (if applicable) and Level.
11. Customer Witness Name and Date (if applicable)
12. If examination is performed by third party, results shall be presented to TechnipFMC on third party letter head.

5.4.4 Example: Liquid Penetrant Reporting Criteria

Items for Accuracy

1. Part Number and Revision level
2. Traceability (ref. Section 4.2) and / or weld identification
3. TechnipFMC Specification/Procedure (including Revision Level)
4. Quantity examined
5. Results of examination (rejectable indications, location and size)

Items for Reporting

1. Report number
2. TechnipFMC Part description - material type and thickness
3. Date of examination
4. Scope of examination
5. Report shall include the type, name and manufacturer of the cleaner, penetrant and developer used (as applicable)
6. Examination parameters (lighting equipment, penetration and developing times)
7. Reports for rejected material or welds shall include a sketch with approximate location and size of defects
8. NDE technician's name type of certification (ASNT, SNT-TC-1A, ISO 9712, etc.), and Level
9. Customer witness name and date (if applicable)
10. If examination is performed by third party, results shall be presented to TechnipFMC on third party letter head

5.4.5 Example: PAUT Reporting Criteria

Items for Accuracy

1. Part Number and Revision Level
2. Traceability (ref. Section 4.2) and / or weld identification
3. TechnipFMC Work/Service Order Number & PO Number and Line Item Number
4. TechnipFMC Specification/Procedure (including Revision Level)
5. Inspection procedure number and revision level
6. Quantity Examined
7. Results of examination: rejectable, and recordable indications, location, depth, and size

Items for Reporting

1. TechnipFMC Part Description
2. Date of examination
3. Scope of examination, including referenced scan plan. (If a similar scan plan is found in one of the applicable TechnipFMC documents, mention the figure or scan plan in the report. If not, make a sketch of the component showing the details of the technique(s) and the scan plan employed for different areas and geometries of the component)
4. Examination parameters
5. Type of Instrument used, manufacturer, model, serial number, and calibration date
6. Reference or calibration blocks used for examination
7. Technician Name and Certification Type (ASNT, SNT-TC-1A, EN-473, etc.) and Level
8. If examination is performed by third party, the report shall be presented to TechnipFMC on third party letter head
9. The traceability code or weld identification on the UT report shall match that provided by the material and / or weld Supplier/Subcontractor.
10. Customer witness name and date (if applicable)
11. The electronic data file for automated UT inspection shall be submitted with the report.

5.5 Example: Welding Reporting Criteria

Welding shall be performed as per the respective specifications' requirements, Engineering Notes on the Part Report, or Welding Procedures, which are approved by TechnipFMC prior to the use.

Items for Accuracy

1. Part Number and Revision level
2. Traceability (ref. Section 4.2)
3. Weld identification

Items for Reporting

1. Date of Welding
2. WPS identification
3. Welder identification
4. Base material identification (MTRs or COC)
5. Weld material identification (MTR or COC)
6. Weld Repair (if applicable)
7. References to critical examinations and other required tests

5.6 Example: Clad Thickness Reporting Criteria

Clad Thickness is a report provided by Supplier to TechnipFMC showing the dimensional measurements of weld clad overlay. Supplier shall provide the Clad Thickness in the supplier document whenever required in the specifications' requirements on the Part Report (i.e. Q01113).

The Supplier shall document all the requirements stated in the required specification. Below are the parameters that may be reported on Clad Thickness report issued by Supplier to TechnipFMC. Please refer to TechnipFMC Part Report for specific reporting requirements.

Clad thickness report can be reported as an individual report, or within the dimensional inspection report and documented by notation as accepted for thickness and concentricity.

Items for Accuracy

1. Part Number and Revision level
2. Traceability (ref. Section 4.2) and / or weld identification
3. TechnipFMC Specification/Procedure (including Revision Level)
4. Acceptance or Rejection Notation

Items for Reporting

1. TechnipFMC Part description
2. Date of Inspection
3. NDE technician's name type of certification (ASNT, SNT-TC-1A, ISO 9712, etc.), Level (if required)

5.7 Example: Hardness Report Reporting Criteria

Hardness Testing shall be performed as per the respective specifications' requirements, Engineering Notes on the Part Report, and component drawings.

There are several specifications that define the requirements to be verified. Examples appear below:

Please refer to TechnipFMC Part Report for specification requirements.

Q03009 – This specification requires the part's hardness to be verified and acceptance of the hardness values be documented in the form of report.

Q03006 – This specification defines the frequency and location identification where hardness tests are to be performed.

Items for Accuracy

1. Part Number and Revision level
2. Traceability (ref. Section 4.2)
3. TechnipFMC Specification/Procedure (including Revision Level)
4. Quantity Tested
5. Results

Items for Reporting

1. ASTM Hardness Test Specification that was used
2. Technician Signature and Date
3. Supplier's Quality Representative Name

5.8 Example: Dimensional Inspection Reporting Criteria

There are several specifications that require dimensions to be verified. Examples appear below:

Please refer to TechnipFMC Part Report for specification requirements.

Q00403 – This specification requires the part's dimensions to be verified and acceptance of the dimensions be documented in the form of report.

Q00405 – In addition to the information required for Q00403, this specification requires 100% documentation of actual dimensions.

Q00406 - This specification requires that the part's dimensions be verified using a Coordinate Measuring Machine (CMM) and/or Comparator. This specification requires a report to be provided for 100% of actual dimensions.

If multiple dimensions are called out for, please ensure there is a result for each of the values. Putting a multiplier next to a single value causes issues around the review. Further, if a specific value is required to be confirmed, it is preferred to document the value in lieu of simply recording a check mark or 'OK'.

Items for Accuracy

1. Part Number and Revision level
2. Traceability (ref. Section 4.2)
3. Acceptance or Rejection of dimensions based on tolerances
4. TechnipFMC Specification/Procedure (including Revision Level)
5. Acceptance of Clad Thickness Notation (ref. Section 5.6)
6. As-Built dimensional report (if applicable). The actual as-built dimensions/geometric tolerances/other requirements which are denoted as [2D]/[3D] on drawing shall be reported in the form of a dimensional report.

Items for Reporting

1. TechnipFMC Part Description
2. Inspector Signature and Date
3. Customer Witness Name and Date (if applicable)

5.9 Example: Coating Reporting Criteria

Coating shall be performed as per the respective specifications' requirements, Engineering Notes on the Part Report, and component drawings.

Coating specifications do not always call for a document requirement. Please refer to TechnipFMC Part Report for specification requirements.

Items for Accuracy

1. Part Number and Revision level
2. TechnipFMC Work/Service Order Number & PO Number and Line Item Number
3. TechnipFMC Specification/Procedure (including Revision Level)
4. Traceability (ref. Section 4.2)

Items for Reporting

1. Environmental Conditions – [Operation Performed, Time / Date and Values of Each Coat, Air Temp, Surface Temp, % Relative Humidity, Dew Point]
2. Solvent Cleaner Type and Application Method
3. Blast Air Cleanliness/Blotter Test Results, Blast Media Type and Size,
4. Surface Anchor Profile Test Results & Equipment (Type, Model, Traceability, Average Reading of the Part and the Coupon)
5. Cleanliness Verification Acceptance / Rejection (ISO 8501-1 SA 3 / SSPC SP5 / NACE #1, ISO 8501-1 SA 2.5 / SSPC SP10 / NACE #2, etc.)
6. Name & Type of Coating and Thinner Manufacturer & Batch Numbers per Coat
7. Inspection Results (Visual, Dry Film Thickness, Holiday, Adhesion, Final Average DFT, Actual Readings)
8. Degreasing Method Used
9. Technician Name and Certification Type and Level.

5.10 Example: Lifting Part Certification Reporting Criteria

Please refer to TechnipFMC Part Report for specification requirements.

A Declaration of Conformity is required for all loose lifting gear shipped to the European Union. It is preferred as standard, but for applications outside the EU, a Certificate of Compliance may be substituted.

A Declaration of Conformity is required for all loose lifting gear shipped to Australia.

Items for Accuracy

1. Proof Test Certificate/Report
2. Declaration of Conformity per Directive 2006/42/EC
3. NDE Report for Surface NDE after proof load testing (if applicable)

Items for Reporting

1. Material/Test Certificates for components*
2. Traceability (ref. Section 4.2)*
3. Design Calculation*
4. User Instruction*
5. Transport and Handling Instruction (THI – if applicable)

*This document is to be retained by Supplier and only required to be submitted to FMC upon request. Please refer to FMC Part Report for specification requirements.

5.11 Example: Assemblies Reporting Criteria

ASVs, FATs, MCRs, and TSTs are examples of procedures provided in the Part Report requiring further steps after manufacturing. These are traditionally found in the "Documents List" section of the TechnipFMC Part Report.

As the application of these procedures is variable, the purchase order should identify if the assembly/inspection/test is being done or by Supplier, by TechnipFMC upon receipt of the finished good(s) from Supplier.

Items for Accuracy

1. Part Number and Revision level
2. Traceability (ref. Section 4.2)
3. TechnipFMC Work/Service Order Number & PO Number and Line Item Number

Items for Reporting

1. Inspector Signature and Date
2. All blanks must be populated. If the action requiring a signature or value is not applicable, please mark the blank with 'NA' to avoid confusion by the reviewer.

5.12 Example: Seals Reporting Criteria

Please refer to TechnipFMC Part Report for specification requirements

5.12.1 Non-metallic seals

Items for Accuracy

1. TechnipFMC Part Number and Revision level
2. TechnipFMC Work/Service Order Number & PO Number and Line Item Number
3. Traceability (ref. Section 4.2)
4. Quarter and year of cure date (for example 3Q04)
5. Shelf life (50% of shelf life remaining)
6. TechnipFMC Material Specification Number

Items for Reporting

1. Manufacturer's Identity (Name, Address, etc.)
2. Manufacturer's Part Number
3. Manufacturer's compound number
4. Manufacturer's material specification number (if different from compound number)
5. Conformance statement affirming that the deliverable has met the specifications required by the TechnipFMC Part Report

5.12.2 Metallic seals

Items for Accuracy

1. COC (ref. Section 5.1)
2. Material Certifications (ref. Section 5.3)
3. Hardness Test Report (ref. Section 5.7)
4. Dimensional Verification Report (ref. Section 5.8)

5.13 Example: PMI Reporting Criteria

Items for Accuracy

1. TechnipFMC Work/Service Order Number & PO Number and Line Item Number
2. TechnipFMC Assembly or Product Part Number and Revision level
3. Traceability (ref. Section 4.2)
4. Location of where test was taken on weld/material
5. Weld numbers for weld caps that are inspected (if applicable)
6. Batch size(s) and quantity of parts examined for each batch
7. TechnipFMC Specification/Procedure (including Revision Level)
8. Material grade(s) tested (in generic term e.g. Alloy 625, SS Type 316, etc)
9. Results of Inspection for each batch/item (Accept/Reject)

Items for Reporting

1. Date of PMI test
2. PMI Technician Name
3. PMI chemistry reading output for each item inspected
4. Analyzer Used
5. Analyzer Serial Number
6. Calibration Standard Grade(s) and Serial Number(s)
7. Physical location of testing (e.g. receiving inspection, Supplier/Subcontractor, etc.)
8. Description of Material Marking
9. Method of testing (XRF)
10. Discrepancies (type and quantity)
11. Date and signature of the PMI Inspector

5.14 Example: Weight Certificate Reporting Criteria

Weight certificate provides the calculated weight details of the component.

Items for Accuracy

1. Part Number and Revision level
2. TechnipFMC Work/Service Order Number & PO Number and Line Item Number
3. Traceability (ref. Section 4.2)
4. Weight Data

Items for Reporting

1. Date of Inspection
2. Name and Signature of Technician
3. Additional Information / Remarks
4. Weighing Equipment Details
5. Customer Witness Name and Date (if applicable)