Authorization to Ship (ATS) Documentation Review Process

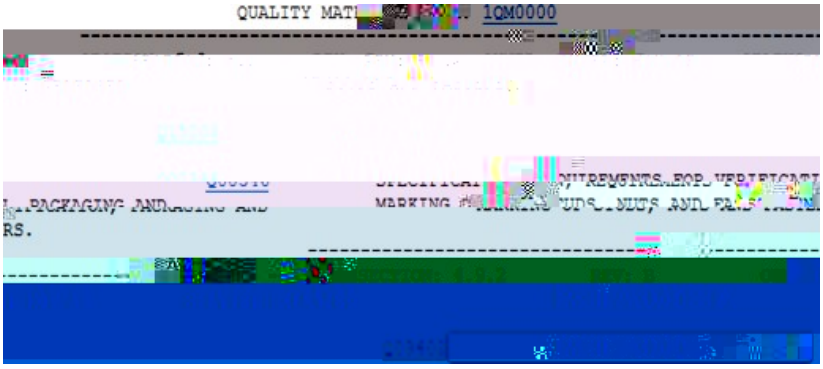
User Guide for Suppliers

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

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.



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	

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 Serializatio(ov)15.uel t i

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.

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 R7 (pr)-9.2 1or ea]T0 -1.143 TD.1 (a)70.95(t)7.3 (er)62.

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 be

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

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.

5.8 Example: Dimensional Inspection Reporting Criteria

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.

5.13 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.