

 GOVERNMENT OF DUBAI	Organization/Unit:	إدارة مختبر دبي المركزي Dubai Central Laboratory Department	الوحدة التنظيمية:	 بلدية دبي Dubai Municipality
	Document Title:	Certification of Organizations Involved in the design, manufacture, fabrication and erection of steel structures and their components” as per DMS 035: 2020	عنوان الوثيقة:	
	Doc Ref.	DM-DCLD-RD-DP21-2213 (IC)	رقم الوثيقة:	



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Issue Date	Rev. No.	Summary Of Amendments
02-05-2019	0	First draft for comments
26-05-2019	0	Final draft
25-12-2019	1	Issue for use
06-09-2020	2	Add the options for initial audit by the approved CAB and remotely by PCAS. Adding definition for authorized auditor. Update for the new numbering system and followed terminologies. Correction of numbering.
10-11-2020	3	Updated as per the new standard DMS-035-2020. Add provision for accepting valid test reports (where only verification testing is applicable). Changing the title
26/09/2021	4	Revised to reflect the Removal of the documents in clause 2.1.2, in addition to further amendment in the provision for accepting valid test reports ( clause 2.4), in line with DM 30% reduction of requirements (both service and specialized). Modifications in the auditing part for the factories already certified against ISO 9001 to opt for auditing only the areas of production and monitoring stages of product realization, quality control and final product testing and evaluation.
07/10/2022	5	Changing section name as per the new organizational structure, and replace HOU by CQPSM (Section's Manager), also addition of surveillance in the clause 2.4.1
27/03/2023	6	Full re-structuring and transfer of common provisions to the general rule. Clauses are re-numbered and document title has been revised accordingly. Use of New DM Logo

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## 1. INTRODUCTION

- 1.1 This document prescribes the specific rule for certification of the product(s) as identified herein, in accordance with the requirements of DM Third Party Product Certification Scheme Through Factory Assessment, taking into consideration the applicable normative references and standard specification, in addition to the requirements for conformity evaluation, as stated below.
- 1.2 The applicant/client shall comply with this specific rule, and to all provisions under the “**General Rule for DM Third Party Product Certification Scheme Through Factory Assessment**”**DM-DCLD-RD-DP21-2001 (IC)**.
- 1.3 This specific rule **is an integral part of the general rule** and both shall always be read together.

## 2. SCOPE

- 2.1 This specific rule specifies the requirements for organizations involved in the manufacture of pre-engineered steel structures and/or their components. The manufacturing process includes (among others) design, preparation, fabrication, welding, assembly erection, corrosion protection, etc.
- 2.2 This specific rule does not -by itself- permit the use of the below product in the construction sites. However, it does provide the necessary general conformity assessment criteria, which are required for the evaluation and issuance of the certification and the authorization of the use of the DCLD Conformity Mark. Other relevant requirements issued by the regulatory bodies if any; shall always be fulfilled.



## 3 PRODUCT IDENTIFICATION AND APPLICABLE STANDARD/NORMATIVE REFERENCE

- 3.1 Product name: Design, fabrication, manufacture and erection of steel structures and components
- 3.2 Applicable standard/Normative reference: DMS 035: 2020 “Requirements for The operation of organizations involved in the design, manufacture, fabrication and erection of steel structures and their components”
- 3.3 Additional reference:  
ISO 9001 - Quality Management System – Requirements  
ISO 19011 - Guidelines for Auditing Management System.

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#### 4 DEFINITION OF TERMS

4.1 In addition to the definitions given in DMS 035: 2020 and DM-DCLD-RD-DP21-2001 (IC), the following shall also apply:

4.1.1 Standard Specification – DMS 035: 2019 “Requirements for organizations involved in the design, fabrication, manufacture and erection of steel structures and their components”.

#### 5 REQUIREMENTS FOR INITIAL CERTIFICATION

5.1 The process of application, initial assessment and product sampling shall be in line with the related provisions in the general rule and the standard specifications.

5.2 Product evaluation and factory production control

The client shall operate a factory production control system to ensure that the product as defined above continues to comply with the requirements of the DMS 035 standard specifications.

##### 5.2.1 Personnel

The client shall be able to demonstrate that the personnel assigned to carry out tasks that will affect the quality and conformity of the finished product shall have appropriate competencies, responsibilities and authority.

- Tasks and responsibilities shall be documented;
- Competencies and trainings records are maintained including qualification of welding personnel and welding operators;
- Training needs are identified and training plans are prepared and implemented.

##### 5.2.2 Equipment

The client shall be able to demonstrate that equipment influencing the conformity of the components are, where appropriate, calibrated, inspected, and maintained. Maintenance and calibration procedures are documented and calibration, inspection and maintenance records are maintained.

##### 5.2.3 Structural design process

In the case of structural design carried out by the client, the FPC system shall ensure compliance with the design brief, identify the procedures for checking the calculations and those individuals responsible for the design.

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The records shall be sufficiently detailed and accurate to demonstrate that the manufacture's design responsibilities have been carried out satisfactorily. A record of the documents shall be retained for a period defined in the manufacturers FPC procedure.

#### 5.2.4 Constituent products and materials

The client shall have a system for verifying and ensuring that constituent products conform to the specifications and records are maintained and traceable.

The specification for the constituent products used in manufacture shall be retained according to the manufacturer's FPC procedures.

- Purchasing procedures established, documented and implemented;
- Incoming goods inspection procedures are established, documented and implemented;
- Products identification system and traceability are maintained;
- All records are maintained.

#### 5.2.5 Component specifications

The manufacture of components shall be controlled using a component specification giving all the necessary information of the component in sufficient detail to enable it to be manufactured and for its conformity to be evaluated.

**a.** In a purchaser provided component specification, the purchaser provides the necessary technical information to manufacture the component. The information needs to include specification of all constituent products to be used for all parts of the component. The specification needs also to include all geometrical information needed and the relevant requirements for execution of the work. Any particular requirements for execution need to be given.

**b.** In a manufacturer provided component specification, the manufacturer develops the necessary technical information to manufacture the component and all its parts. In this case there are two options for the content of a declaration of conformity:



**Option 1** - The manufacturer declares the geometry and the material properties of the component, and any other information needed to enable others to perform a structural design.

**Option 2** - The manufacturer declares the geometry and the material properties of the component and the structural characteristics resulting from design of the component.

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The manufacturer shall implement a documented inspection and test plan for checking and recording that manufactured components conform to their component specification. The component specification shall be prepared from design information.

#### 5.2.6 Manufacturing process

The client shall maintain detailed documented procedures for the manufacturing process including welding procedure specifications (WPS), welding procedure qualification (WPQ), qualification of welders and welding operators and initial type testing (ITT) for every project.

#### 5.2.7 Product assessment

The client shall establish procedures to ensure that the declared values and classes of all of the characteristics are maintained. The means of production control of characteristics and the sampling methods for a component or family to be evaluated shall be specified. If the component specification includes a prescribed inspection and test plan for component properties then those requirements shall be followed.

## 6 GRANTING OF THE DCLD CERTIFICATION

- 6.1 The DCLD product conformity certificate and the authorization to use the DCLD conformity mark shall be granted upon conformance with all related provisions in the general rule.
- 6.2 Fees shall be as per DM-DCLD-RD-DP21-2074 (IC) and other relevant provisions in the general rule.
- 6.3 DCLD-CQPS shall carry out surveillance of certified clients based on the approved periodic plans and related provisions in the general rule.
- 6.4 Appeals, disputes and complaints shall be in line with the relevant provisions in the General Rule.

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