

 GOVERNMENT OF DUBAI	Organization/Unit: إدارة مختبر دبي المركزي Dubai Central Laboratory Department	الوحدة التنظيمية:	 بلدية دبي DUBAI MUNICIPALITY
	Document Title: Specific Rules for FA Certification of Ready-Mixed Concrete Plants as per Administrative Decision (316) 2012 and DMS 026	عنوان الوثيقة:	
	Doc Ref. DM-DCLD-RD-DP21-2177 (IC)	رقم الوثيقة :	

Issue Date	Rev. No.	Summary Of Amendments
29-05-2011	0	First draft for comments
13-02-2013	0	Final draft
15-04-2013	1	Issue for use
08-11-2016	2	Added Annex 1 for provisions for certifying ready mix concrete transport facilities that are not owned by ready mix concrete plants
01-03-2017	3	Added provision for validity of CBU certification clause [3.2.3], and further clarification on certification of transport facilities Annex 1 clause [5]
17-03-2019	4	Updated format as per new DM template and new DM logo

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1. GENERAL

1.1 INTRODUCTION

This document describes the specific rules and procedures for the certification of ready-mixed concrete plants as provided by Dubai Municipality Administrative Decision (316) 2012 and against the requirements of Dubai Municipality Standard Specifications DMS 026.

Applicants for certification under this scheme shall comply with this Specific Rules and also with the provisions of DM-DCLD-RD-DP21-2001 (IC) "General rules for Third Party Product Certification through Factory Assessment". In case of inconsistencies of requirements (between the General Rules and Specific Rules), the provisions of this Specific Rules shall prevail.

1.2 MAIN CRITERIA FOR CERTIFICATION

This document provides specific rules and procedures for certifying ready-mixed concrete plants in accordance with Dubai Municipality Standard (DMS) Specification No. DMS 026 "Technical Requirements for the Operation of Ready-mixed Concrete Plants". In addition, the ready-mixed concrete plant shall implement a quality management system in accordance with ISO 9001. The following documents shall be referred to:

- Administrative Decision (316) 2012 on the "Control of ready mix concrete plants and central batching units in the Emirate of Dubai".
- General Rules DM-DCLD-RD-DP21-2001 (IC) and Specific Rules DM-DCLD-RD-DP21-2177 (IC);
- DMS 026 – Technical Requirements for the Operation of Ready-Mixed Concrete Plants (always refer to the latest edition)
- ISO 9001: 2008 – Quality Management Systems Requirements
- DM-DCLD-RD-DP21-2086 (IC) – Factory production control system for ready mixed concrete plants

1.3 SCOPE OF CERTIFICATION

- The certification is applicable to ready mix concrete plants and central batching units as defined in Administrative Decision (316) 2012. Precast concrete plants are classified as central batching units.
- Certification shall be carried out for each plant in a specific location, regardless of the number of production line.
- Concrete transport companies may apply for certification of truck mixers for compliance with the requirements of Admin Decision (316) 2012, DMS 026 and this Rules (please See Annex 1).

1.4 DEFINITIONS

- The definitions given in the Administrative Decision (316) 2012 and DMS 026 shall apply.
- Certification – procedure by which a third party gives written assurance that a product, process or service conforms to specified requirements.
- Specific Rules – a document specifying the set of rules that are applicable to a particular certification scheme. The rules shall be based on the requirements of the standard specification and applicable regulations, if available.
- DM Certification Body – Inspection and Certification Section – Dubai Central Laboratory Department

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2. REQUIREMENTS FOR CERTIFICATION

2.1 APPLICATION

Ready-mixed concrete plants who wish to apply for certification under this scheme shall submit application to the DM Certification Body.

Application forms shall be filled-up by the applicant-company and submitted to DM Certification Body together with the following supporting documents:

- Trade License
- Complete product description and specifications
- Brief Description of Manufacturing Process
- Copy of the Quality Manual
- Vicinity Map and Factory Layout
- Valid Certification to ISO 9001 (optional)
- List of key personnel and their designation

Application shall be plant-specific (Refer to [1.3]). Each application shall refer to a single location only.

2.2 REQUIREMENTS FOR FACTORY OPERATION

2.2.1 Quality Management System

The ready-mixed concrete plant shall have a Quality Management System that is aligned to the requirements of ISO 9001 standard. NOTE: Certification to ISO 9001 by a third party QMS certification body is not mandatory but it will be advantageous to ensure that the full requirements of the ISO 9001 is addressed and implemented.

2.2.2 Technical Requirements

The ready-mixed concrete plant shall implement the technical requirements as given in DMS 026. Records and evidence of implementation shall be maintained. The technical requirements as given in the DMS 026 refers to the following:

- Production and transport facilities
- Product realization and factory production control
- Personnel competence

2.2.3 Quality assurance laboratory

Ready-mixed concrete plants shall have a quality assurance laboratory to carry out factory production control testing to ensure that the product comply with the requirements of the relevant standard specification (or relevant customer specification). The laboratory shall have the necessary resources (personnel, facilities and test equipment) for implementing the "Factory production control system" as mentioned in clause [2.2.4].

2.2.4 Factory production control system

The Ready-mixed concrete plants shall implement a factory production control system that will ensure conformity of concrete with the specified requirements. The factory production control system shall be fully documented (procedures, plans, and records) and shall comply with the requirements of DM-DCLD-RD-DP21-2086 (IC).

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2.3 INITIAL FACTORY AUDIT

2.3.1 An Audit Team organized by DM Certification Body shall conduct an audit of the factory operation to verify that the requirements as mentioned in clause [2.2] are being satisfied. The Audit Team shall be composed of:

- a) ISO 9001 QMS auditors
- b) Technical Expert/Technical Representatives

If necessary, members of the Audit Team may be outsourced from qualified personnel outside Dubai Municipality. Outsourcing shall be in accordance with DM Certification Body sub-contracting procedure DM-DCLD-IMS-RD-11.

2.3.2 Members of the Audit Team shall [collectively] have appropriate qualification and training in the field of quality management system auditing, and ready mixed concrete production, testing, inspection and quality assurance.

2.3.3 Factory audit shall be carried out in accordance with ISO 19011 "Guidelines for quality and/or environmental management systems auditing".

2.3.4 The factory audit shall include (but not limited to) the following:

- a. Quality management system
- b. Production facilities
- c. Factory production control
- d. Transport facilities

2.4 IN-PLANT AND INDEPENDENT TESTING

2.4.1 The purpose of the in-plant and independent testing audit is to ensure that:

- a. the laboratory testing facilities are adequate and the laboratory personnel are competent to carry out the required tests according to the Factory Production Control requirements;
- b. to verify that constituent materials, admixtures/additives and finished products are complying with the specified requirements as shown by the results of the factory production control testing.

2.4.1 In-plant testing

The Audit Team shall witness the conduct of in-plant testing to verify that the test is carried out in accordance with the relevant test method, and the results comply with the relevant specification (can be as per the specified mix design requirements). In plant testing may be carried out on constituent materials and/or finished product.

2.4.2 Sampling for independent testing

As part of the assessment of the ready-mixed concrete plant, the Audit Team shall collect samples of constituent materials and/or finished product in order to carry out independent testing for conformity with the specified mix design requirements and for comparison with the results of in-plant testing.

2.4.3 Independent laboratory testing

The sample collected during the initial factory audit shall be tested at DCLD or, (if the tests are not available at DCLD) in an independent laboratory approved by the DM Certification Body, to verify that

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the material or product is complying with the relevant specification.

2.5 NON-CONFORMANCE WITH REQUIREMENTS

- 2.5.1 Any non-conformity noted during the initial factory audit shall be raised in a Non-Conformity Report (NCR). The factory shall be given adequate time to rectify the non-conformity and, if deemed necessary by the DM Certification Body, a follow up audit of the factory shall be carried out to close the non-conformity.
- 2.5.2 Any non-conformance in the results of independent testing [clause 2.4.3] shall be raised as Non-Conformity Report (NCR) and the factory shall be given adequate time to rectify the non-conformance. A re-sampling and re-testing shall be carried out in order to close the non-conformity.

3. GRANTING OF THE DCL CERTIFICATE OF CONFORMITY

3.1 CONDITIONS FOR GRANTING THE DCL CERTIFICATE OF CONFORMITY

When the results of the initial factory audit (including the independent testing) show conformity to the requirements, the Certificate of Product Conformity and the authorization to use the DCL Conformity Mark shall be issued to the ready-mixed concrete plant.

3.2 ISSUANCE OF DCL CERTIFICATE OF CONFORMITY

- 3.2.1 If the conditions mentioned in clause [3.1] are fully satisfied, the ready-mixed concrete plant shall be issued a DCL Certificate of Product Conformity and authorization to affix the DCL Conformity Mark on the labels/delivery notes of the finished product.
- 3.2.2 The Certificate and authorization shall be valid for one year subject to renewal upon continuing compliance with the certification requirements (as verified during surveillance, clause [4]) and payment of applicable fees.
- 3.2.3 Since all CBUs require an “approval/no objection” issued by the DM-Building Department before they can operate and supply concrete to construction sites, accordingly the validity of the DCL Certificate of The CBU shall be one year, OR, up to the validity of its “approval/no objection”, whichever comes first.

3.3 RESPONSIBILITIES OF THE CERTIFIED CLIENT

- 3.3.1 Certified ready-mixed concrete plants and transport facilities shall ensure that the plant continues to comply with the certification requirements at all times.
- 3.3.2 The certified client shall give the duly authorized representative(s) of the DM Certification Body, access during working hours, without prior notification, to the premises of the factory, for the purpose of surveillance as per clause [4].
- 3.3.3 The certified client shall inform the DM Certification Body in writing of any change of management, transfer of plant site, modification in the product, manufacturing process or factory quality management system.
- 3.3.4 Upon transfer of plant site, the Certificate of Conformity shall be deemed valid only after factory and product audit at the new site has been satisfactorily completed.
- 3.3.5 Any infraction stated in the Terms and Conditions for the use of DCL Conformity Mark shall constitute sufficient grounds for suspension, withdrawal and cancellation of the certification.

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3.3.6 Any dispute that may arise in connection with the Terms and Conditions of the DCL Mark shall be settled in accordance with DM-DCLD-IMS-RD-08 Appeals, Disputes, and Complaints Procedure.

3.3.7 The certified client shall pay all applicable fees related to the certification process.

3.4 USE OF THE DCL CONFORMITY MARK

3.4.1 The design and use of the DCL Conformity Mark shall be in accordance with the Terms and Conditions for the Use of the DCL Conformity Mark, DM-DCLD-IMS-RD-13

3.4.2 The certified client shall submit samples of tag, labels, or markings, showing the DCL Conformity Mark, for approval by the DM Certification Body.

3.4.3 The authorization to use the DCL Conformity Mark is non-transferable.

4. SURVEILLANCE

4.1 DM Certification Body shall carry out routine surveillance to ensure consistent compliance with the requirements of this certification scheme in accordance with DM-DCLD-RD-DP21-2096 (IC) – Surveillance of Certified Establishments under the Factory Assessment Scheme.

4.2 During surveillance, DM Certification body shall examine records of implementation of the factory production control system and may collect samples for verification testing at independent laboratories.

4.3 Non-routine/extra surveillance may be carried out in case of non-conformities found during routine surveillance; or as mandated by regulatory bodies.

4.4 Unresolved non-conformities during surveillance may be grounds for suspension or cancellation of certification. Suspension, cancellation or (voluntary) withdrawal of certification shall be in accordance with DM-DCLD-IMS-RD-07.

5. FEES

5.1 The fees shall be in accordance with DM-DCLD-RD-DP21-2085 (IC).

6. ANNEX 1 PROVISIONS FOR CERTIFYING CONCRETE TRANSPORT FACILITIES ONLY

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ANNEX 1

CERTIFICATION OF READY MIX CONCRETE TRANSPORT FACILITIES THAT ARE NOT PART OF THE READY MIX CONCRETE PLANT FACILITIES

Use of the transport facility not belonging to the ready mix concrete plant shall be allowed only if the trucks are DCL certified. Concrete delivered to the site shall be under the sole responsibility of the ready mix concrete plant.

The following modifications shall be applied when the applicant is a transport company and certification requested is for trucks that are not part of the plant facilities.

1. Applicants (transport companies) shall submit application DM-DCLD-F-IC-2001 and attach the following requirements:
 - a. Trade License
 - b. Complete list of trucks (Dubai Registration, Description and specifications)
 - c. Vicinity Map and Location Layout
 - d. Valid Certification to ISO 9001 (optional)
 - e. List of key personnel and their designation
2. Assigned Audit Team shall inspect the trucks according to:
 - a. F-IC-2043 (Applicable clauses only)
 - b. F-IC-2048
3. Clauses in this Specific Rules that are related to the operation of the plant and its quality management system shall not apply.
4. Trucks for inspection should be in specified Dubai location with suitable space for inspection and safe access during inspection. Client shall provide facilities such as platform, torchlight, etc.
5. Inspection checklist FIC-2048 will be the reference document for the inspection. Other documents such as Audit plan, Audit program, Auditors' log sheet, Audit Attendance Sheet, Customers' feedback, Audit Summary Report and Final Assessment report are not required to be prepared.

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