

بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ

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الحمد لله المتجلي بجماله

المحتجب بجلاله

و الصلوة علي محمد و آله

Introduction to "OIC/SMIIC 36:2020 Conformity Assessment - General Requirements of Proficiency Testing for Halal Purposes



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Conformity Assessment - General Requirements of Proficiency Testing for Halal Purposes

The Standards and Metrology Institute for Islamic Countries
l'Institut de Normalisation et de Métrologie pour les Pays Islamiques
معهد المواصفات والمقاييس للدول الإسلامية

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1 SCOPE

This document **specifies general requirements** for the **competence of providers of halal proficiency testing schemes** and for the development and operation of halal proficiency testing schemes. These requirements are intended to be general for all types of halal proficiency testing schemes, and they can be used as a basis for specific technical requirements for particular fields of application.

NOTE The expression “**halal proficiency testing**” is used for in place of the full term for “**proficiency testing for halal purposes**” and “proficiency test item” is used in place the full term for “proficiency test item for halal purposes” throughout this document.

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2 NORMATIVE REFERENCES

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

- ISO/IEC 17043, Conformity assessment – General requirements for proficiency testing
- ISO/IEC 17000, Conformity assessment – Vocabulary and general principles
- OIC/SMIIC 1, General requirements for halal food

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3 TERMS AND DEFINITIONS

- For the purposes of this document, the terms and definitions given in
 - ISO/IEC 17000,
 - ISO/IEC 17043 and
 - OIC/SMIIC 1
- shall apply.

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4 GENERAL REQUIREMENTS

4.1. General

Clause 4.1 of ISO/IEC 17043:2010 shall apply.

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4 GENERAL REQUIREMENTS

4.2 Personnel

Clause 4.2 of ISO/IEC 17043:2010 shall apply + the following:

4.2.1 The halal proficiency testing provider shall **appoint a competent Muslim staff member**, irrespective of other duties and responsibilities, he shall have **defined responsibility and authority for ensuring that activities of halal proficiency testing** is implemented and followed at all times; he shall also have direct access to the highest level of management at which decisions are made on halal proficiency testing policy or resource.

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4 GENERAL REQUIREMENTS

4.2 Personnel

Clause 4.2 of ISO/IEC 17043:2010 shall apply + the following:

4.2.2 The halal proficiency testing provider shall have **suitable trainings planned for the staff in the relevant area/topics of halal**, provided that record of such trainings shall be kept up to date.

4.2.3 The proficiency testing provider for halal purposes shall ensure that **technical personnel assigned to perform halal testing should be Muslim** and shall undergo appropriate halal related training.

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4 GENERAL REQUIREMENTS

4.3 Equipment, accommodation and environment

Clause 4.3 of ISO/IEC 17043:2010 shall apply + the following:

4.3.1 The proficiency testing for halal purposes provider shall **eliminate the risk of cross contamination from non-halal** to halal.

4.3.2 The **equipment** used for proficiency testing for halal purposes **shall not** be made of or contain any materials that are decreed **as non-halal or Najis** by the laws of Islam.

4.3.3 **Oils/grease** used in the **maintenance** of equipment and devices shall be food grade oil and shall **not contain** any ingredients that are **non-halal or Najis**.

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4 GENERAL REQUIREMENTS

4.4 Design of halal proficiency testing schemes

Clause 4.4 of ISO/IEC 17043:2010 shall apply.

4.4.1 Planning

4.4.2 Preparation of halal proficiency test items

4.4.3 Homogeneity and stability

4.4.4 Statistical design

4.4.5 Assigned values

4.5 Choice of method or procedure

Clause 4.5 of ISO/IEC 17043:2010 shall apply.

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4 GENERAL REQUIREMENTS

4.6 Operation of halal proficiency testing schemes

Clause 4.6 of ISO/IEC 17043:2010 shall apply + followings:

4.6.1 Instructions for participants

Clause 4.6.1 of ISO/IEC 17043:2010 shall apply.

4.6.2 Halal proficiency test items handling and storage

Clause 4.6.2 of ISO/IEC 17043:2010 shall apply + followings:

4.6.2.1 The halal proficiency test items that are **stored** shall be **categorized and labeled** as **halal proficiency test items** and **segregated** at every stage so as to prevent them from being mixed or contaminated with materials that are **not halal**.

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4 GENERAL REQUIREMENTS

4.6 Operation of halal proficiency testing schemes

Clause 4.6 of ISO/IEC 17043:2010 shall apply + followings:

4.6.3 Packaging, labeling and distribution of halal proficiency test items

Clause 4.6.3 of ISO/IEC 17043:2010 and the following shall apply.

4.6.3.1 Halal proficiency test items shall be **suitably packed** using **packaging material** which shall be **halal suitable**.

4.6.3.2 The halal proficiency test items shall be **labeled as halal proficiency test items** and **segregated** at every stage so as to prevent them from being mixed or contaminated with materials that are **not halal**.

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4 GENERAL REQUIREMENTS

4.7 Data analysis and evaluation of halal proficiency testing scheme results

4.7.1 Data analysis and records

Clause 4.7.1 of ISO/IEC 17043:2010 shall apply.

4.7.2 Evaluation of performance

Clause 4.7.2 of ISO/IEC 17043:2010 shall apply.

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4 TECHNICAL REQUIREMENTS

4.1 General

4.2 Personnel (Muslim Personnel)

4.3 Equipment, accommodation and environment (Non Halal/Najis Contamination)

4.4 Design of halal proficiency testing schemes

4.4.1 Planning

4.4.2 Preparation of halal proficiency test items

4.4.3 Homogeneity and stability

4.4.4 Statistical design

4.4.5 Assigned values

4.5 Choice of method or procedure

4.6 Operation of halal proficiency testing schemes

4.6.1 Instructions for participants

4.6.2 Halal proficiency test items handling and storage (Non Halal/Najis Contamination)

4.6.3 Packaging, labeling and distribution of halal proficiency test items (Non Halal/Najis Contamination)

4.7 Data analysis and evaluation of halal proficiency testing scheme results

4.7.1 Data analysis and records

4.7.2 Evaluation of performance

4.8 Reports (Muslim Personnel)

4.9 Communication with participants

4.10 Confidentiality

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4 GENERAL REQUIREMENTS

4.8 Reports

Clause 4.8 of ISO/IEC 17043:2010 shall apply + the following:

4.8.1 Competent personnel authorized for the **review and authorization** of halal proficiency testing **result shall be a Muslim**. There should be **at least**/minimum **two (2) personnel** authorized for the review and authorization of halal proficiency testing result.

4.9 Communication with participants

Clause 4.9 of ISO/IEC 17043:2010 shall apply.

4.10 Confidentiality

Clause 4.10 of ISO/IEC 17043:2010 shall apply.

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5 MANAGEMENT REQUIREMENTS

5.1 Organization

Clause 5.1 of ISO/IEC 17043:2010 + 4.2.1 of this standard shall apply

5.2 Management system

Clause 5.2 of ISO/IEC 17043:2010 shall apply.

5.3 Document control

5.3.1 General

Clause 5.3.1 of ISO/IEC 17043:2010 shall apply.

5.3.2 Document approval and issue

Clause 5.3.2 of ISO/IEC 17043:2010 shall apply.

5.3.3 Document changes

Clause 5.3.3 of ISO/IEC 17043:2010 shall apply.

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5 MANAGEMENT REQUIREMENTS

5.4 Review of requests, tenders and contracts

Clause 5.4 of ISO/IEC 17043:2010 shall apply.

5.5 Subcontracting services

Clause 5.5 of ISO/IEC 17043:2010 shall apply.

5.6 Purchasing services and supplies

Clause 5.6 of ISO/IEC 17043:2010 shall apply.

5.7 Service to the customer

Clause 5.7 of ISO/IEC 17043:2010 shall apply.

5.8 Complaints and appeals

Clause 5.8 of ISO/IEC 17043:2010 shall apply.

5.9 Control of nonconforming work

Clause 5.9 of ISO/IEC 17043:2010 shall apply.

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5 MANAGEMENT REQUIREMENTS

5.10 Improvement

Clause 5.10 of ISO/IEC 17043:2010 shall apply.

5.11 Corrective actions

5.11.1 General

Clause 5.11.1 of ISO/IEC 17043:2010 shall apply.

5.11.2 Cause analysis

Clause 5.11.2 of ISO/IEC 17043:2010 shall apply.

5.11.3 Selection and implementation of corrective actions

Clause 5.11.3 of ISO/IEC 17043:2010 shall apply.

5.11.4 Monitoring of corrective actions

Clause 5.11.4 of ISO/IEC 17043:2010 shall apply.

5.11.5 Additional audits

Clause 5.11.5 of ISO/IEC 17043:2010 shall apply.

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5 MANAGEMENT REQUIREMENTS

5.12 Preventive actions

Clause 5.12 of ISO/IEC 17043:2010 shall apply.

5.13 Control of records

5.13.1 General

Clause 5.13.1 of ISO/IEC 17043:2010 shall apply.

5.13.2 Technical records

Clause 5.13.2 of ISO/IEC 17043:2010 shall apply.

5.14 Internal audits

Clause 5.14 of ISO/IEC 17043:2010 shall apply.

5.15 Management reviews

Clause 5.15 of ISO/IEC 17043:2010 shall apply.

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Annex A (informative) - Selection and use of halal proficiency testing (**17043 applied**)

General

This annex establishes principles for the selection and use of halal proficiency testing schemes by participants and other interested parties. This annex is also intended to promote the harmonized use of halal proficiency testing schemes by interested parties (e.g. accreditation bodies, regulatory bodies, or customers of the participant).

Since results from halal proficiency testing schemes may be used in the evaluation of a participant's performance, it is important that both the interested parties and participants have confidence in the development and operation of the halal proficiency testing schemes.

It is also important for participants to have a clear understanding of the policies of the interested parties for participation in such halal proficiency testing schemes, the criteria they use for judging successful performance in halal proficiency testing schemes, and their policies and procedures for following up any unsatisfactory results from a halal proficiency test round. However, apart from specific requirements from regulatory bodies, it is the responsibility of the participants themselves to select the appropriate halal proficiency testing scheme and to evaluate their results correctly.

It should be recognized, however, that interested parties also take into account the suitability of test data produced from activities other than halal proficiency testing schemes, including, for example, results of participants' own internal quality control procedures with control samples, comparison with split-sample data from other participants and performance on tests of certified reference materials. Therefore, when selecting a proficiency testing scheme, the participant should take into consideration the other quality control activities that are available or have already been performed.

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Annex A (informative) - Selection and use of halal proficiency testing (**17043 applied**)

A.2 Selection of halal proficiency testing schemes

A.2.1 Laboratories (and other types of participants) need to select halal proficiency testing schemes that are appropriate for their scope of testing or scope of calibration. The halal proficiency testing schemes selected should comply with the requirements of this document.

A.2.2 In selecting a halal proficiency testing scheme, the following factors should be considered:

- a) the tests, measurements or calibrations involved should match the types of tests, measurements or calibrations performed by the participant;
- b) the availability to interested parties of details about the scheme design, procedures for establishment of assigned values, instructions to participants, statistical treatment of data, and the final summary report;
- c) the frequency at which the halal proficiency testing scheme is operated;
- d) the suitability of the organizational logistics for the halal proficiency testing scheme (e.g. timing, location, sample stability considerations, distribution arrangements) relevant to the group of participants proposed for the halal proficiency testing scheme;

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Annex A (informative) - Selection and use of halal proficiency testing (**17043 applied**)

- e) the suitability of acceptance criteria (i.e. for judging successful performance in the halal proficiency test);
- f) the costs;
- g) the halal proficiency testing provider's policy on maintaining participants' confidentiality;
- h) the timescale for reporting of results and for analysis of performance data;
- i) the characteristics that instil confidence in the suitability of halal proficiency test items (e.g. homogeneity, stability, and, where appropriate, metrological traceability to national or international standards);
- j) its conformance with this document

NOTE Some halal proficiency testing schemes can include tests which are not an exact match for the tests performed by the participant (e.g. the use of a different document for the same determination), but it can still be technically justified to participate in the halal proficiency testing scheme if the treatment of the data allows for consideration of any significant differences in test methodology or other factors.

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Annex A (informative) - Selection and use of halal proficiency testing (**17043 applied**)

A.3 Policies on participation in halal proficiency testing schemes

A.3.1 If relevant, interested parties should document their policies for participation in halal proficiency testing schemes; such documented policies should be publicly available to laboratories and other interested parties.

A.3.2 Issues which should be addressed in participation policies for specific halal proficiency testing schemes include:

- a) whether participation in specific halal proficiency testing schemes is mandatory or voluntary;
- b) the frequency of participation;
- c) the criteria used by the interested party to judge satisfactory or unsatisfactory performance;
- d) whether participants may be required to participate in follow-up halal proficiency testing schemes if performance is judged to be unsatisfactory;
- e) how the results of halal proficiency testing will be used in the evaluation of performance and subsequent decisions;
- f) details of the interested party's policy on preserving participants' confidentiality.

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Annex A (informative) - Selection and use of halal proficiency testing (**17043 applied**)

A.4 Use of halal proficiency testing by participants

A.4.1 Participants should draw their own conclusions about their performance from an evaluation of the organization and design of the halal proficiency testing scheme. Reviews should consider the relation between the halal proficiency testing scheme and the needs of the participant's customers. The information that should be taken into consideration includes:

- a) the origin and character of halal proficiency test items;
- b) the test and measurement methods used and, where possible, the assigned values for particular test or measurement methods;
- c) the organization of the halal proficiency testing scheme (e.g. the statistical design, the number of replicates, the measurands, the manner of execution);
- d) the criteria used by the halal proficiency testing provider to evaluate the participants' performance;
- e) any relevant regulatory, accreditation or other requirements.

A.4.2 Participants should maintain their own records of performance in halal proficiency testing, including the outcomes of investigations of any unsatisfactory results and any subsequent corrective or preventive actions.

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Annex A (informative) - Selection and use of halal proficiency testing (**17043 applied**)

A.5 Use of results by interested parties

A.5.1 Accreditation bodies

A.5.1.1 The requirements for an accreditation body with regard to use of halal proficiency testing are specified in OIC/SMIIC 3:2019.

A.5.1.2 The results from halal proficiency testing schemes are useful for both participants and accreditation bodies. There are, however, limitations on the use of such results to determine competence. Successful performance in a specific halal proficiency testing scheme may represent evidence of competence for that exercise, but may not reflect ongoing competence. Similarly, unsuccessful performance in a specific halal proficiency testing scheme may reflect a random departure from a participant's normal state of competence. It is for these reasons that halal proficiency testing should not be the only tool used by accreditation bodies in their accreditation processes.

A.5.1.3 For participants reporting unsatisfactory results, the accreditation bodies should have policies to

- a) ensure that the participants investigate and comment on their performance within an agreed time-frame, and take appropriate corrective action,
- b) (where necessary) ensure that the participants undertake any subsequent halal proficiency testing to confirm that any corrective actions taken by them are effective,
- c) (where necessary) ensure that on-site evaluation of the participants is carried out by appropriate technical assessors to confirm that corrective actions are effective.

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Annex A (informative) - Selection and use of halal proficiency testing (17043 applied)

A.5.1.4 The accreditation bodies should advise their accredited bodies of the possible outcomes of unsatisfactory performance in a halal proficiency testing scheme. These may range from continuing accreditation subject to successful attention to corrective actions within agreed time-frames, temporary suspension of accreditation for the relevant tests (subject to corrective action), through to withdrawal of accreditation for the relevant tests.

NOTE Generally speaking, the options selected by an accreditation body will depend on the history of performance of the participant over time and from the most recent on-site assessments.

A.5.1.5 The accreditation bodies should have policies for feedback from accredited bodies relating to action taken on the basis of results of halal proficiency testing schemes, particularly for unsatisfactory performance.

A.5.2 Other interested parties

A.5.2.1 Participants may need to demonstrate their competence to other interested parties, such as customers or in a subcontracting mandate. Halal proficiency testing results, as well as other quality control activities, can be used to demonstrate competence, although this should not be the only activity.

NOTE Halal proficiency testing data used to validate claims of competence are normally used by organizations in conjunction with other evidence, such as accreditation. See C.5.1.2.

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Annex A (informative) - Selection and use of halal proficiency testing (**17043 applied**)

A.5.2.2 It is the responsibility of the participants to ensure that they have provided all the appropriate information to interested parties wishing to evaluate the participant their competence.

A.6 Use of halal proficiency testing by regulatory bodies

A.6.1 The results from halal proficiency testing schemes are useful for regulatory bodies that need to evaluate the performance of participants covered by regulations.

A.6.2 If the halal proficiency testing scheme is operated by a regulatory body, it should be operated in accordance with the requirements of this document.

A.6.3 Regulatory bodies that use independent halal proficiency testing providers should

- a) seek documentary evidence that the halal proficiency testing schemes comply with the requirements of this document before recognizing the halal proficiency testing scheme, and
- b) discuss with participants the scope and operational parameters of the halal proficiency testing scheme, in order that the participants' performance may be judged adequately in relation to the regulations

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Bibliography

1. OIC/SMIIC 3, *Conformity Assessment - Requirements for Halal Accreditation Bodies Accrediting Halal Conformity Assessment Bodies*
2. ISO/IEC 17011:2004, *Conformity assessment — General requirements for accreditation bodies accrediting conformity assessment bodies*
3. ISO/IEC 17025, *General requirements for the competence of testing and calibration laboratories*

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Conclusion

FOREWORD (SMIIC + SMIIC CCA)

INTRODUCTION (17043 +shall / Should)

1 SCOPE (Halal proficiency testing)

2 NORMATIVE REFERENCES (17043 + OIC/SMIIC 1)

3 TERMS AND DEFINITIONS

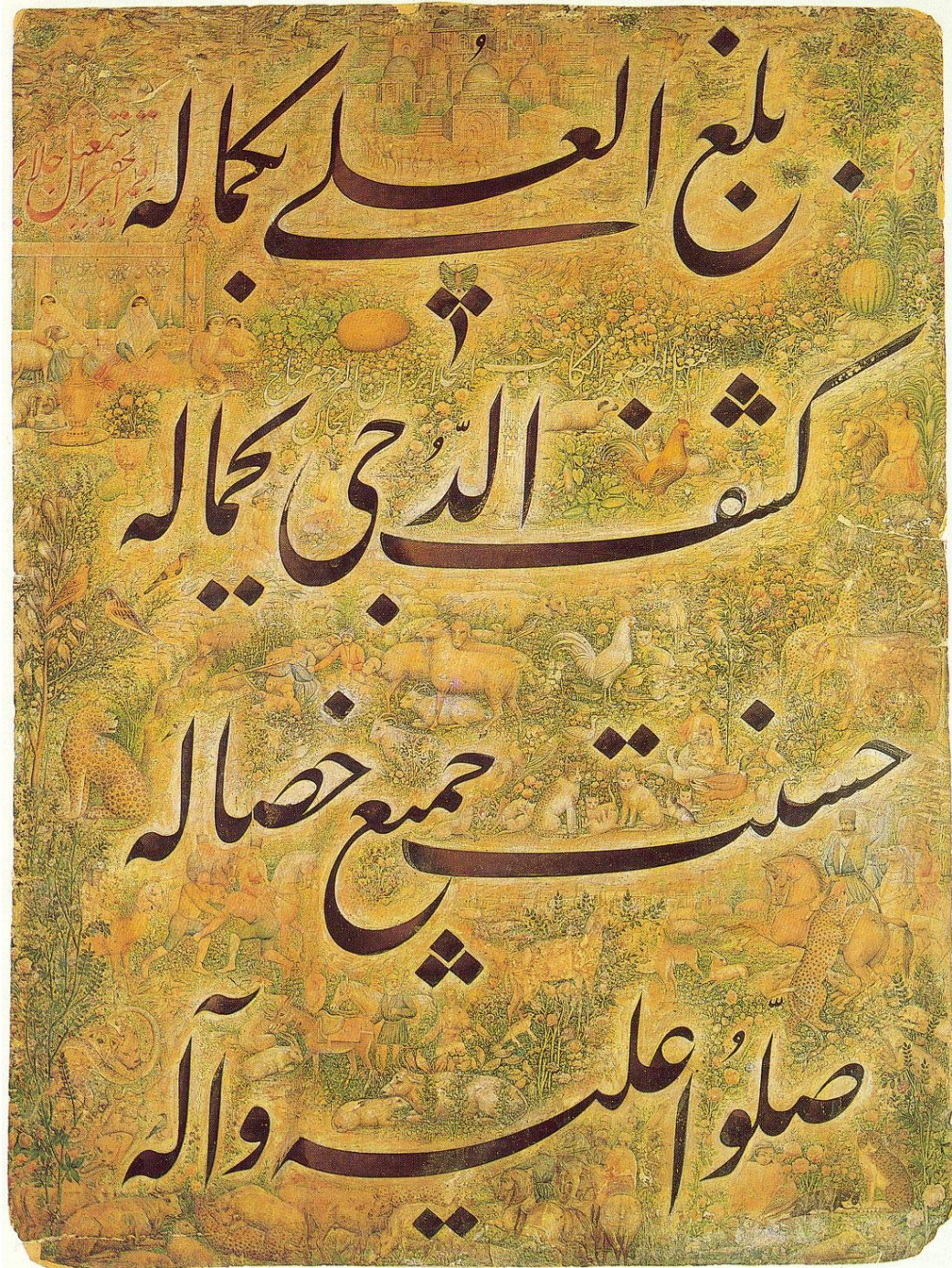
4 TECHNICAL REQUIREMENTS (Muslim+Non Halal/Najis Contamination)

5 MANAGEMENT REQUIREMENTS

Annex A (informative) Selection and use of halal proficiency testing

Bibliography (17025 + 17043 + OIC/SMIIC 1)

- His perfection procured exaltation
- His beauty dispelled the darkness
- All his attributes were good ones
- Pray for him, and for his family



Allah Knows Best

السلام عليكم