ISO 22000:2018/Amd 1:2024   Test of Understanding
Level 1 – Practitioner

Test Syllabus

The main purpose of the ISTO Test of Understanding (the "Test") is to offer an evidence-based qualification to professionals who have demonstrated an appreciation of the intent and an accurate understanding of the requirements (and the non-requirements) of the standard, including its applicability and underlying management principles. Such knowledge and skills are crucial in providing a value-adding service related to the standard, be it implementation, advisory or auditing.

The Test of Understanding is not an auditor qualification. There are no questions directly related to auditing.

The topics set out in 1.1 to 1.3 are not intended to limit the subject matter or be all inclusive of what might be covered in the Test. Candidates will be expected to apply their knowledge to organizations with different sizes and complexity.

1.1. Applicability (A)
- ISO 22000 purpose
- ISO 22000 intended outcomes
- Scope and boundaries of a food safety management system

1.2. Concepts, principles and Terminologies (Co, T)
Food safety
- Food safety hazards: biological, chemical and physical; food safety issues such as food fraud and food defence
- Prerequisite programmes, hazard identification and categorization of controls: Hazard control plans (OPRP and HACCP)
- Typical measurement of food safety performance
  (E.g. Number of foodborne illness cases, recall rate, customer satisfaction on food safety, swab test results, process performance)

ISO 22000 terms and definitions
  Understanding of the following terms
  Top management, interested party, continual improvement, management system, food safety policy, objective, documented information, competence, requirement, monitoring, measurement, corrective action, food safety hazard, acceptable level, action criterion, critical control point, critical limit, PRP, OPRP, effectiveness, validation, verification)

Management Systems
- Risk-based thinking
- The hierarchy and interrelationship of documented information within the management system, as well as the associated risks
- Root cause analysis and simple analytical tools such as Pareto chart
- Application of the Plan-Do-Check-Act cycle within the management system
- Typical measurements of management system performance
  (E.g. Training hours; achievement of objectives; improvements; nonconformities)

ISO 22000 FSMS requirements structure
- Sequence of activities in the requirements of the standard

1.3. Clause reference, Requirements and Unspecified requirements (C, U, R, Ac, E)

Clause Reference (C)
- Identify the clause reference of a particular ISO 22000 requirement.
  (E.g. The requirement to determine competence is given in clause 7.2a.)

Requirements versus Unspecified requirements (R, U)
- Requirements specified in the ISO 22000 standard
  (E.g. Conduct management review)
- Differentiate from non-requirements
  (E.g. Clause 5.1 does not require a strategic plan; Clause 6.1 does not require a formal method for risk management or a documented risk management process.)

Key requirements of the ISO 22000 FSMS: **Management System related**
Planning
- Context, interested parties' requirements, risks/opp. & actions to address; consideration of climate change
- Leadership and commitment
- Food safety policy, objectives and actions to achieve
- Roles, responsibilities and authorities
- System changes control

Performance evaluation and improvement
- Monitoring and measurement
- Analysis and evaluation
- Internal audit
- Management review
- Corrective action
- Improvement and FSMS updating
- Management system non-requirements

Key requirements of the ISO 22000 FSMS: **Operations related**
Planning
- Prerequisite programmes
- Traceability system
- Hazard analysis
- Validation of control measures
- Hazard control plan (OPRP and HACCP)

Support
- Resources
- Externally development FSMS elements and control of external provision
- Competence and awareness
- Communication
- Documented information

Operation

- Operational planning & control; Implementation of PRP & hazard control plans
- Emergency preparedness and response
- Control of monitoring and measuring
- Control of product and process nonconformities
- Withdrawal/recall
- Verification related to PRPs and the hazard control plan; Verification results analysis
- Updating of preliminary information and documents specifying the PRPs and the hazard control plan
- Support and operational non-requirements

Actual documented information requirements versus Erroneous Requirements (Ac, E)

In order to provide flexibility to organizations of different sizes and background, ISO 22000 is written with minimal documentation requirements. Based on their contextual factors, organization shall determine the complexity of their documented information required to support their food safety management system.

- Requirements specified in the ISO 22000 standard
  (E.g. competence documented information)
- Differentiate from non-documentation requirements
  (E.g. management system manual; documented procedure; approved supplier list)

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Reference sources

The reference sources and sites detailed in this section contain information that will support your learning and better position you to pass your ISTO Test.

ISO 22000:2018/Amd 1:2024
Food safety management systems — Requirements

ISO/TS 22002-X:20xx (6x ISO standards)
Prerequisite programmes on food safety — Parts 1 to 6
(Covering manufacturing, catering, farming, food packaging, transport and storage, feed etc.)

Reference sites *(free of charge)*

ISO Annex SL Appendix 2 (2024)	https://www.iso.org/committee/54996.html?t=-Duqtv8H-DoUiDQTNCpLN0UhREpjaZ130Orwm4_WLY97n2yln9bsIL_OpNRJZCit&view=documents#section-isodocuments-top *(The link above provides access to the 2024 version of Annex SL Appendix 2. It should be noted that the contents of ISO 22000:2018/Amd 1:2024 may not necessarily incorporate all the latest Annex SL changes. The ISTO Test of Understanding is based on the ISO Management System Standards (MSS) and not on Annex SL Appendix 2.)*
ISO 22000 Interpretation (FSSC)	https://www.fssc.com/wp-content/uploads/19.1210-Guidance_ISO-22000-Interpretation_Version-5.pdf

Other ISO References

Glossary – Guidance on selected words used in the ISO 9000 family of standards	https://www.iso.org/files/live/sites/isoorg/files/standards/docs/en/terminology-ISO9000-family.pdf
Guidance on the requirements for Documented Information of ISO 9001:2015	https://committee.iso.org/files/live/sites/tc176sc2/files/documents/ISO%209001%202015%20-%20Implementation%20guidance%20docs/ISO9001_2015_Guidance_on_Documented_Information.docx

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