



Standard Guide for Selection, Assignment, and Monitoring of Persons To Be Utilized as Assessors/Auditors or Technical Experts¹

This standard is issued under the fixed designation E2159; the number immediately following the designation indicates the year of original adoption or, in the case of revision, the year of last revision. A number in parentheses indicates the year of last reapproval. A superscript epsilon (ϵ) indicates an editorial change since the last revision or reapproval.

1. Scope

1.1 This guide provides guidance to organizations that need to utilize persons to perform assessments/audits (assessing bodies) of other organizations (assessed bodies) for purposes of recognition, accreditation or other type of approval to perform a function.

1.2 An assessing body should consider the contents of this guide and apply it according to its unique situation. The elements of this guide should be applicable to the selection, assignment, and monitoring of ~~assessors~~ assessors, auditors, and technical experts whether they are contract or permanent staff members.

2. Terminology

2.1 ~~Definitions:~~ Definitions

2.1.1 ~~The following definitions apply to the terms used in this guide.~~ The following definitions apply to the terms used in this guide.

2.1.1 *assessment team*—a group of two or more persons consisting of a combination of assessors, auditors and technical experts, as required by the specific assessment to be performed.

2.1.2 *assessor/auditor*—an individual who has the skills necessary to perform a comprehensive assessment of another body which includes assessment of the quality management system, policies and procedures, etc. ~~An assessor/auditor should be fully qualified in the performance of a full assessment/audit with the exception of evaluating specific technical areas. An assessor may also be qualified as a technical expert and bring such additional skills to the assessment/audit.~~

2.1.3 *technical expert*—a technical expert is an individual who has extensive technical expertise in a specific area(s). ~~The technical expert does not need to have the assessment skills of an assessor. A person designated only as a technical expert should not be deemed qualified to conduct a full assessment, but qualified merely to assist in the evaluation of technical areas within the person's scope of expertise.~~

3. Significance and Use

3.1 In a situation where an organization is performing an evaluation of another, either formally or informally, the single most important element in the evaluation may well be the selection and assignment of a properly qualified assessor/assessment team to perform an on-site assessment. Therefore it is imperative that the person(s) performing the assessment be selected and assigned with care by the assessing organization. Two basic types of individuals normally participate in an on-site assessment: assessors/auditors and technical experts; each perform separate functions (see definitions).

3.2 This guide focuses on providing guidance regarding the responsibilities and obligations of an assessing body in the selection, training, assignment and monitoring of assessors/auditors and technical experts to carry out their evaluation functions.

NOTE 1—In some cases, others may also participate in an assessment who are beyond the control of the assessing body: for example, government regulatory personnel, or other observers specified by a client. Such participants are not covered by this guide.

4. ~~Quality Management~~ System

4.1 An assessing body should have in place a documented system describing how it fulfills the elements of its assessor/auditor, technical expert selection, training, assignment and monitoring process.

¹ This guide is under the jurisdiction of ASTM Committee E36 on Accreditation & Certification and is the direct responsibility of Subcommittee E36.60 on Accreditation Bodies.

Current edition approved May 1, 2008 June 15, 2015. Published October 2008 July 2015. Originally approved in 2001. Last previous edition approved in 2004 2008 as E2159–01: E2159–01 (2008). DOI: 10.1520/E2159-01R08:10.1520/E2159-15.

4.2 *Assessor Criteria*—An assessing body should have written qualification criteria for the selection of required assessors/auditors, and technical experts. These criteria should address such factors as the ~~candidate's~~ candidate's education and experience, assessment/audit participation, training, and any examination(s) passed. Requirements for qualification renewal and if applicable, ~~re-qualification~~, re-qualification should be specified. Technical experts should be qualified based on their previous experience and demonstrated skill.

4.2.1 An assessing body should have written evaluation criteria for assessors/auditors, and technical experts.

4.3 *Continuous Interactions* ~~w/Staff-Other~~ with Staff-Other Assessors—An assessing body may find it advantageous to periodically have their assessors/auditors and technical experts ~~have the opportunity to meet with other similar persons to discuss their experiences and develop proposals to improve the evaluation~~ assessment process.

4.4 *Rating/Categorization/Listing Systems*—An assessing body should have a documented system to rate or classify, or both, assessors according to its needs and situation.

NOTE 2—Categories could be based on length of experience, demonstrated capability or rating other factors. Some systems currently use terms such as lead assessor, assessor, and assessor trainee, whereas others may use designations such as senior and junior assessors.

4.5 *Database*—An assessing body should maintain a functional database of all assessors/auditors and technical experts as an effective way to easily select persons for a particular assignment.

4.6 *Records*—An assessing body should maintain a complete file of all assessors/auditors and technical experts who perform assessments on its behalf. The file should, at a minimum, contain pertinent education and background material, dates and results of all pertinent training, appraisal reports, specific skill categories and any areas/situations which may cause a conflict of interest and, if available, appraisal forms from assessed bodies.

4.6.1 Assessing bodies may find it advantageous to maintain a historical record of all assignments performed by each assessor/auditor and technical expert.

4.6.2 The qualification record should identify the date and basis of initial qualification, date of last renewal or re-qualification, and expiration date.

5. Assessor Selection

5.1 *Sources of Potential Assessors*—Potential assessors may be identified from many sources for example, academic institutions, professional societies, industry, government, personnel certification bodies, advertisements, etc.

5.2 *Qualifications*—The assessing body should select assessors based on their background and expertise in (1) the operation of the specific type of body to be assessed, for example, laboratory operations, ~~quality system auditing, manufacturing processes, and manufacturing facilities;~~ (2) quality assurance, quality management ~~systems;~~ system auditing; and (3) the specific ~~technology~~ technology, process, procedure, or method requiring assessment.

5.3 *Procedures*—The assessing body should have procedures in place to adequately determine that an assessor/auditor has (1) met the requirements for qualification; (2) the ability to work effectively with other people; (3) communications skills, both written and verbal; and (4) the ability to probe for needed information ~~to effect an audit for an effective assessment/audit result.~~

5.4 *Training:*

5.4.1 The assessing body should ensure that each assessor/auditor has obtained adequate training in the general techniques of conducting an assessment/audit to fulfill the required duties.

5.4.2 The assessing body should provide adequate training to all assessors/auditors and technical experts to explain its own specific assessment technique, in-house procedures, evaluation criteria, applicable documentation, and/or specific instructions, operations, procedures and program requirements.

6. Evaluation/Monitoring

6.1 Each assessor/auditor and technical expert should be evaluated initially and thereafter on a continual basis by the assessing body. ~~Evaluation-Demonstration~~ and evaluation of the competence of assessors/auditors and technical experts may be performed ~~by~~ by an appropriate combination of the following methods:

6.1.1 *Interviews*—Interviews may involve one or more interviewers and the use of selection boards or evaluation panels. Interviews may be used to verify evidence from other sources.

6.1.2 *Examination/Testing/Training Evaluation*—Written or oral examination may be used to determine an assessor's knowledge and skills as appropriate to the needs of the assessing body. The assessing body staff responsible for training/monitoring should take care to observe and appraise each candidate during training. A written appraisal should be prepared and filed.

6.1.2.1 The responsible assessing body staff manager should be familiar with the style, methods, personality, other traits, or combination thereof, of each assessor/auditor and technical expert in their charge.

6.1.3 *Demonstration*—Planned and formal witnessing of specific assessment skill performance, such as in role-play situations.

6.1.4 *On-the-Job Observation*—Each assessor/auditor and technical expert should be evaluated for the ability to conduct an adequate assessment. This can be accomplished in several ways for example, being accompanied by an experienced assessor or