



Standard Guide for PDD Examination Standards of Practice¹

This standard is issued under the fixed designation E 2062; 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 establishes essential and recommended elements in the procedures for the conduct of a psychophysiological detection of deception (PDD) examination.

1.1.1 Other unique PDD applications are addressed separately.

2. Referenced Documents

2.1 *ASTM Standards:*

E 1954 Practice for Conduct of Research in Psychophysiological Detection of Deception (Polygraph)²

E 2000 Guide for Minimum Basic Polygraph Training and Education

3. Location and Test Conditions

3.1 Conditions under which testing occurs shall be free from distractions that would interfere with the ability of the examinee to appropriately focus on the issues being addressed. The examination site should be reasonably free from outside noise and distraction. This is not intended to address examinations conducted for demonstration purposes.

4. Preparation

4.1 An examiner shall, prior to the examination, dedicate sufficient time to identify the issues and unique circumstances in any area of testing.

4.2 No examination shall be conducted unless the instrument is functioning in accordance with the manufacturer's specifications.

5. Pretest Practices

5.1 The examiner shall adhere to the following practices:

5.1.1 Verify the correct identity of the examinee to the degree practicable.

5.1.2 Obtain the consent of the examinee prior to testing.

5.1.3 The examiner shall ensure that the examinee is a fit subject for testing to the extent legally practicable.

5.1.3.1 Mental, physical, and medical conditions of the examinee should be reviewed.

5.1.3.2 At any time during the polygraph examination that it becomes apparent to the examiner that the examinee is not suitable for testing, the examination will be terminated.

5.2 All examinations shall be conducted in compliance with governing local, state, and federal regulations and laws.

5.3 The examiner shall display objectivity.

5.4 Sufficient time shall be spent to discuss the issues to be tested and to allow the examinee to fully explain his/her position.

5.5 The examiner shall formulate all test questions in compliance with recognized professional practices.

5.6 The examiner shall allow sufficient time to introduce each test question to the examinee in a manner which complies with recognized professional practices.

5.6.1 Sufficient time shall be spent to ensure the examinee recognizes and understands each question.

5.7 Sufficient time shall be spent to ensure that the examinee understands the polygraph process and that cooperation is required.

6. Intest Practices

6.1 Examiners shall use techniques and formats in accordance with ASTM standards.

6.2 A continuous recording shall be made and maintained of the data produced during the intest phase. All test data must be accounted for prior to rendering an opinion.

6.3 Questions shall be asked in such a manner that responses are not influenced by the manner in which the question is presented.

6.4 Question intervals shall allow for a reasonable recovery or meet the requirements of a scoring algorithm.

6.4.1 Stimulus onset to stimulus onset shall not be less than 20 s.

7. Evaluation Practices

7.1 The examiner shall use evaluation methods for which they have been formally trained and that are appropriate to that testing technique.

7.1.1 Acceptable evaluation methods are those which have known error and accuracy rates established by independent research.

7.2 The examiner shall maintain all records of test data analysis in accordance with ASTM standards.

7.3 The examiner shall not disclose the results of the

¹ This guide is under the jurisdiction of ASTM Committee E-52 on Forensic Psychophysiology and is the direct responsibility of Subcommittee E52.05 on Psychophysiological Detection of Deception (PDD).

Current edition approved Jan. 10, 2000. Published April 2000.

² *Annual Book of ASTM Standards*, Vol 14.02.

examination until the test has been adequately and sufficiently analyzed.

7.4 Examiners shall collect a sufficient amount of physiological data suitable for evaluation in compliance with the format utilized.

7.4.1 All suitable physiological data will be evaluated when formulating an opinion.

8. Posttest Practices

8.1 Following collection of all physiological data, a discussion of the examination shall be conducted, as appropriate.

9. Keywords

9.1 forensic psychophysiology; PDD; PDD examination; polygraph

The American Society for Testing and Materials takes no position respecting the validity of any patent rights asserted in connection with any item mentioned in this standard. Users of this standard are expressly advised that determination of the validity of any such patent rights, and the risk of infringement of such rights, are entirely their own responsibility.

This standard is subject to revision at any time by the responsible technical committee and must be reviewed every five years and if not revised, either reapproved or withdrawn. Your comments are invited either for revision of this standard or for additional standards and should be addressed to ASTM Headquarters. Your comments will receive careful consideration at a meeting of the responsible technical committee, which you may attend. If you feel that your comments have not received a fair hearing you should make your views known to the ASTM Committee on Standards, at the address shown below.

This standard is copyrighted by ASTM, 100 Barr Harbor Drive, PO Box C700, West Conshohocken, PA 19428-2959, United States. Individual reprints (single or multiple copies) of this standard may be obtained by contacting ASTM at the above address or at 610-832-9585 (phone), 610-832-9555 (fax), or service@astm.org (e-mail); or through the ASTM website (www.astm.org).