



*The Polygraph Examiner Resource Guide (Validated Polygraph Techniques and Scoring Systems) has been established by the team of practical polygraph examiners of Ukraine: Vitalii Shapovalov, Dmytro Zubovskyi, Diana Aliksieieva-Protsiuk, Olesia Goncharova*  
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The key concept of the edition is to provide the practical polygraph examiners with credible reference information that may be required in the field while preparing to testing, choosing the suitable test format, and analyzing the obtained results.

This is the first publication in Ukraine offering concise and organized information on the scoring systems and valid formats of tests recommended to use by the American Polygraph Association (APA) after the conducted meta-analysis of accuracy of the polygraph techniques. In course of designing the Resource Guide, the compilers utilized the information of the articles and publications by

Bell B., Raskin D., Honts Ch., Kircher J., Nelson R., Handler M., Blalock B., as well as the ASTM standards.

The edition includes the following sections:

- Recommended scoring systems: 7-position scoring system (Utah), 7-position scoring system (Federal), Empirical Scoring System – Multinomial (ESS-M).
- Standard terminology for the results of polygraph examination.
- Valid formats of tests: Utah Zone Comparison Test (Utah ZCT), Federal You Phase (Bi-Zone), Federal ZCT, Air Force Modified General Question Test (AFMGQT), Directed Lie Screening Test (DLST), Concealed Information Test (CIT).
- Generally recognized abbreviations.

For convenience of use, the information is completed in the tables in the certain logical sequence. For example, the following items have been described for each of the scoring systems:

- “Application” specifies the formats of tests that go with a certain scoring system;
- “Method of Analysis” It describes what types of the questions are compared and in which combination;
- “Features for Analysis” identifies the physiological variables recommended for analysis in the applicable scoring system;
- “Scoring Rules” deals with the specifics of score award for each physiological channel.

A similar principle is used for description of the test formats:

- “Sphere of Application” specifies in which cases a certain test format is advisable to use;
- “Types of Questions” lists the types of questions completing the test formula;
- “Sequence of Questions” suggests a schematic diagram of the test formula;
- “Analysis” It describes what types of the questions are compared and in which combination
- “Decision-making Rules” determine the decision-making thresholds (scores) of the applicable scoring system.

The publication has received a positive review of Mark Handler and has been recommended for press by the Scientific-Methodological Board of the National Academy of Internal Affairs (record №2 of October 22, 2018).

Vitalii Shapovalov