

Testing Protocols



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Agenda



Testing Terms



Testing Topic Guidelines



Testing Protocols



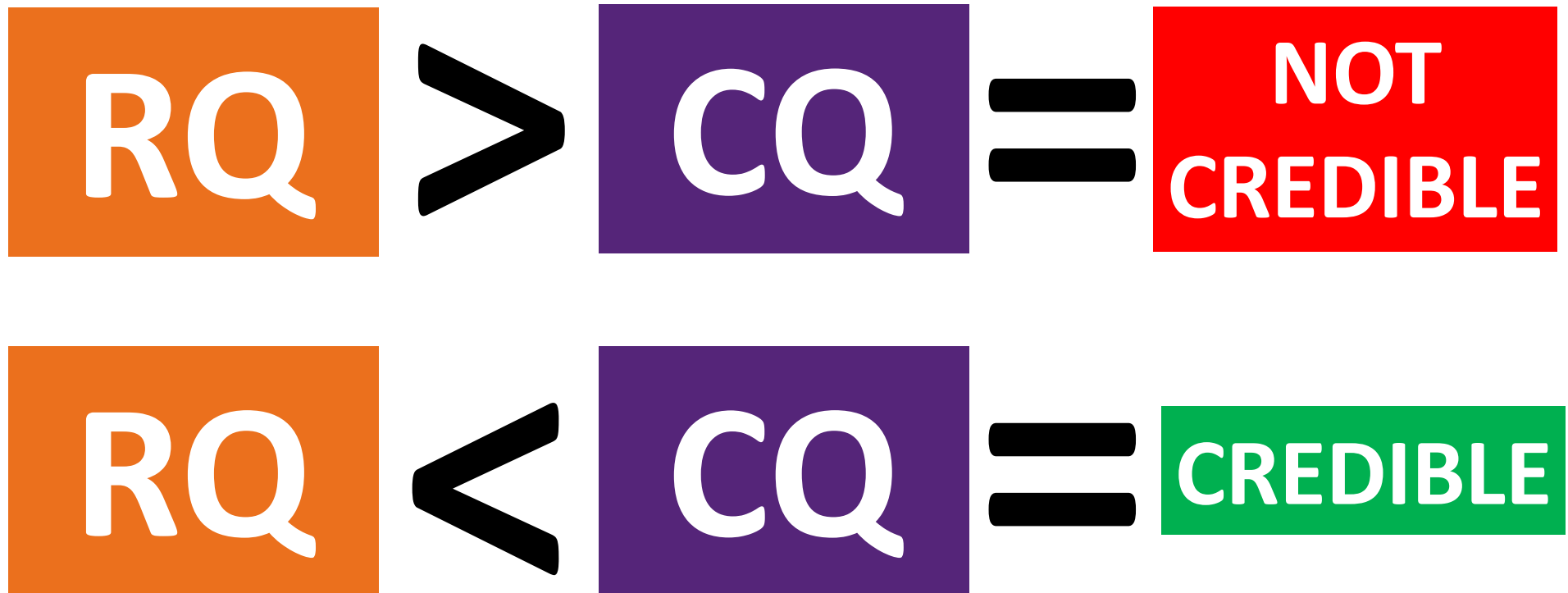
Testing Resources

Testing Terms

| Term | Definition |
|-------------------------------|--|
| Screening | Testing scenario where there is <i>not</i> a known incident or allegation. |
| Diagnostic | Testing scenario where there <i>is</i> a known incident or allegation. |
| Relevant Question* (RQ) | An issue or topic related to an act or target behavior of <i>primary</i> concern. |
| Comparison Question* (CQ) | An issue or topic in a test used as a <i>baseline</i> comparison to the relevant topic(s). |
| Relevant Comparison Question* | Comparison question: Very serious and low probability act or target behavior used to establish a probable truth baseline. |
| Directed Lie (DL) | Comparison question: Test questions for which the examinee is instructed to lie. |
| BRG or Base Rate of Guilt | The percentage of testing group that are guilty of the incident or target behavior. In field cases, the true BRG is never truly known, it is always estimated. |

*The word question as used above is often interchanged with topic or issue

Test Scoring – Examinee Reactions



Test Topic Guidelines

DOs

- Focus on specific actions/behaviors
- Focus examinee's experience
- Be clear and concise and concrete
- Use time frames to narrow scope
- Consider pretest admissions – direct vs. indirect questions
- Focus on behaviors with impactful consequence – examinee motivation

DON'Ts

- No subjectivity or broad focus
- Don't ask about intent, desires or emotions
- No accusatory or assuming language
- No legal, emotionally charged or judgmental terms
- Avoid truth confirmation testing – victims and full disclosures
- No crossover (multi-issue tests)

EyeDetect Testing Protocols

| Protocol | Relevant Issues(s) | Comparison Issue | Response | Test Length | Digital Voice | Unique Feature |
|--|--------------------|-------------------|------------|-------------|---------------|--------------------------------------|
| MCT – Multi-issue Comparison Test | 2 - 3 | Relevant Question | True/False | 30 min | Not Required | Scores each topic individually |
| AMCT – Audio MCT | 2 - 3 | Relevant Question | True/False | 30 min | Required | No text on screen (for poor readers) |
| DLC2 – Directed Lie Comparison 2 | 1 | Directed Lie | Yes/No | 20 min | Required | 22 Second break between questions |
| DL3 – Directed Lie Comparison 3 | 1 | Directed Lie | True/False | 15 min | Preferred | |
| RCT – Relevant Comparison Test | 1 | Relevant Question | True/False | 30 min | Not Required | |



EyeDetect+ Testing Protocols

| Protocol | Relevant Issues(s) | Comparison Issue | Response | Test Length | Digital Voice | Unique Feature |
|--------------------------|--------------------|-------------------|---------------------|-------------|---------------|--|
| HDLC – Hybrid DLC | 1 | Directed Lie | Yes/No | 20 min | Required | 22 Second break between questions |
| HMCT – Hybrid MCT | 3 | Relevant Question | Yes/No & True/False | 50 min | Required | Contains polygraph and EyeDetect specific sessions |



VerifEye Testing Protocols

| Protocol | Relevant Issues(s) | Comparison Issue | Response | Test Length | Digital Voice | Unique Feature |
|----------------------------------|--------------------|------------------------|------------|-------------|---------------|---------------------------------------|
| V3R – VerifEye 3 Relevant | 1 | 2 Relevant Questions | True/False | 10 min | Required | Can be self-administered on cellphone |
| V4R – VerifEye 4 Relevant | 2-3 | 1-2 Relevant Questions | True/False | 15 min | Required | Can be self-administered on cellphone |



Accuracy

| | Protocols | Mean Accuracy |
|-------------------|---------------------|---------------|
| EyeDetect | DLC3 (8% INC) | 84% |
| | DLC2 (7% INC) | 87% |
| | RCT | 86% |
| | MCT | 88% |
| | Audio MCT | 86% |
| EyeDetect+ | Hybrid DLC (8% INC) | 89% |
| | Hybrid MCT | 91% |
| VerifEye | V3R | 80% |
| | V4R | 80% |

EyeDetect Testing Protocols – Audible Testing

Audio MCT

V3R

V4R

Benefits

- Requires listening and answering (no reading)
- Questions presented once without pauses or time to read
- Test takers cannot search for content in advance
- Identifying phrases creates anticipatory pupil response (“as to the bank robbery”)
- Audible test increases cognitive demand to encode information vs. reading

Testing Resources – www.converus.com/tests

- ❖ **Directed Lie Protocol** – Required to lie during a test
- ❖ **Common Relevant Topics** – List of common topics
- ❖ **Common Comparison Topics** – List of common comparison topics by market
- ❖ **Digital Voice (TTS Considerations)** – List of EyeDetect digital voice languages

Testing Resources – Forms

❖ **What Testing Protocol should I use? -**

<https://forms.converus.com/form-6478371/>

❖ **Request Converus Write a Test -**

<https://salesforce.123formbuilder.com/form-6552563/test-creation-request>

- First 10 custom tests free
- Subsequent tests \$50 for 2 business days. (Additional \$50 for rush requests)

Thanks

