With "Successive Hurdles," get 97-99% confidence in test outcome.

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CONVERUS® NEWSLETTER

EyeDetect® · EyeDetect+

October 2022

Message from Converus President and CEO

So, you want to take EyeDetect to court?

Hi,

Since EyeDetect originally launched in 2014, we've been asked about using its test results in court cases. Well, along the way we've developed some best practices to share. The goal is to do it right and make it count! Most importantly, these principles apply if all you care about is getting the most accurate results in your credibility testing. If you want 97-99% confidence in your test results, read on.

But before I start, these concepts should be well understood to explain them satisfactorily to a judge, jury or attorney. Otherwise, prosecutors can have a hay day with underprepared "experts."

Successive Hurdles
Many jurisdictions don't admit polygraph results in court cases. We understand that. However, the argument changes when using a "Successive Hurdles" approach. This concept refers to combining two independent tests, such as a standard EyeDetect test and a polygraph, to obtain 97-99% outcome confidence in cases where the examinee passed both tests (or failed both). Outcome confidence is the strongest indicator if the person told the truth (or lied).

To be sure, successive testing is an upgrade to the argument about the use of polygraph results in legal matters. The concept originated in 1955 and uses probability theory (Bayes theorem) to calculate outcome confidence. We can train you how to do it.

Only with EyeDetect does successive hurdles work. Why? It relies on the use of two highly accurate, validated testing protocols that are largely independent, i.e., EyeDetect and polygraph.

Best Practices
These are the best practices to follow:

1. Test with EyeDetect first, then polygraph with an examiner that is "blind" (or unaware) of the EyeDetect results.
2. Use the same target questions in both tests.
3. Use direct test questions. i.e., "Did you rob the bank?" Research indicates withholding information or statement tests are less accurate and have higher false negatives.
4. Use a naïve prior probability of .50 to give the examinee a 50:50 chance — unless secondary evidence implicates the person. If so, increase the prior probability.
5. Get a signed consent from the examinee prior to testing.

Please be aware problems arise in your argument if:

- there are multiple tests or variations of the same test
- there are an excessive number of polygraph charts
- different target questions are used in both tests
- base rates are changed to make the story fit the desired result

This is a quick summary of issues to consider. If needed, our team is available to strategize with you about any upcoming criminal or civil cases.

Our expert, Mark Handler, created a 40-minute video to explain these topics just mentioned. Click here to watch the video. You can also read more on our website.

New Service Partner
A warm welcome to our new Converus Service Partner TiReiks from Colombia.

We continue to attract the best of the best in the credibility assessment industry. (Want to become a Converus Service Partner? Click here.)

Click your email "forward" button to send this email to others interested in credibility assessment. And please share industry news with us! We'd love to hear from you. Email: info@converus.com.

Todd

Todd Mickelsen
President and CEO
Converus Inc.

New EyeDetect Training Video

Best Practices to Win in Court with EyeDetect

EyeDetect® The eyes don't lie.

Have you considered using EyeDetect in a court case? Learn some strategies and best practices in a new Converus training video by Mark Handler, our legal expert. watch here

Share this video on:

Free EyeDetect Training

You're invited to attend free EyeDetect training 9 a.m. to 3 p.m. MST on Nov. 1-3 via Microsoft Teams. Click here to see the agenda or to register. In addition to standard and advanced courses, there are new or updated courses:

- Take EyeDetect to Court: Legal Considerations
- Updated Physio Tracker v2 training
- Introduction to Test Writing

Join us for part or all the training!

(This course will also be offered in Spanish on November 15-17. Click to register or see the agenda.)

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Beat the Competition to the Punch!

This advanced lie detector will save you valuable time and resources spent on applicants you'll never be able to hire.

EyeDetect® The eyes don't lie.

Old Way	New Way
Application	Application
Comprehension & Physical Agility	EyeDetect (pre-filter, instantly ID qualified applicants)
Background	Comprehension & Physical Agility
Interviews	Background
Psych & Med	Interviews
Polygraph / Voice Stress Analysis (up to 30% fail, wasting precious time, money & resources)	Psych & Med
Offer	Polygraph
	Offer

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About Converus

Converus provides scientifically validated credibility assessment technologies. EyeDetect®, which detects deception by measuring involuntary eye behavior, is a fast, accurate, affordable, noncontact, scalable, and fully automated option to polygraph. EyeDetect+ is the world's first automated polygraph, making the testing process impartial, accurate, and less intrusive (than a traditional polygraph). It assesses credibility by monitoring and recording ocular activity plus physiological activity similar to a traditional polygraph. Customers worldwide use the EyeDetect product line for screening and investigations to help protect countries, corporations and communities from corruption, crime and threats. Converus is headquartered in Lehi, Utah, USA. Visit: converus.com.