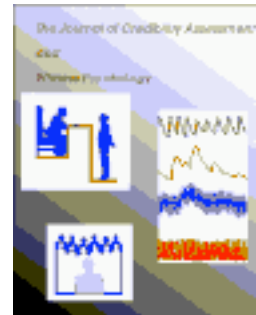


# *The Journal of Credibility Assessment and Witness Psychology*

2006, Vol. 7, No. 2, pp. 20-23

Published by Boise State University



## **Polygraph Screening**

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# **Polygraph Screening**

## **Central Issues**

- 1) To predict future actions based on recent and not-recent behaviors
- 2) To identify those behaviors that are predictive of future actions
- 3) To uncover the behaviors of interest as accurately as possible
- 4) To develop optimal decision rules
- 5) Minimize false negatives for the most serious threats

## **Role of the Polygraph in National Security**

- Primarily: Provide decision-makers with information regarding past and current activities of those who seek security clearances or special accesses
- Reporting criteria established by Congress, policy makers, and agency adjudicators.
- Secondary: Deter poor security risks from entering the system

## **Polygraph Products**

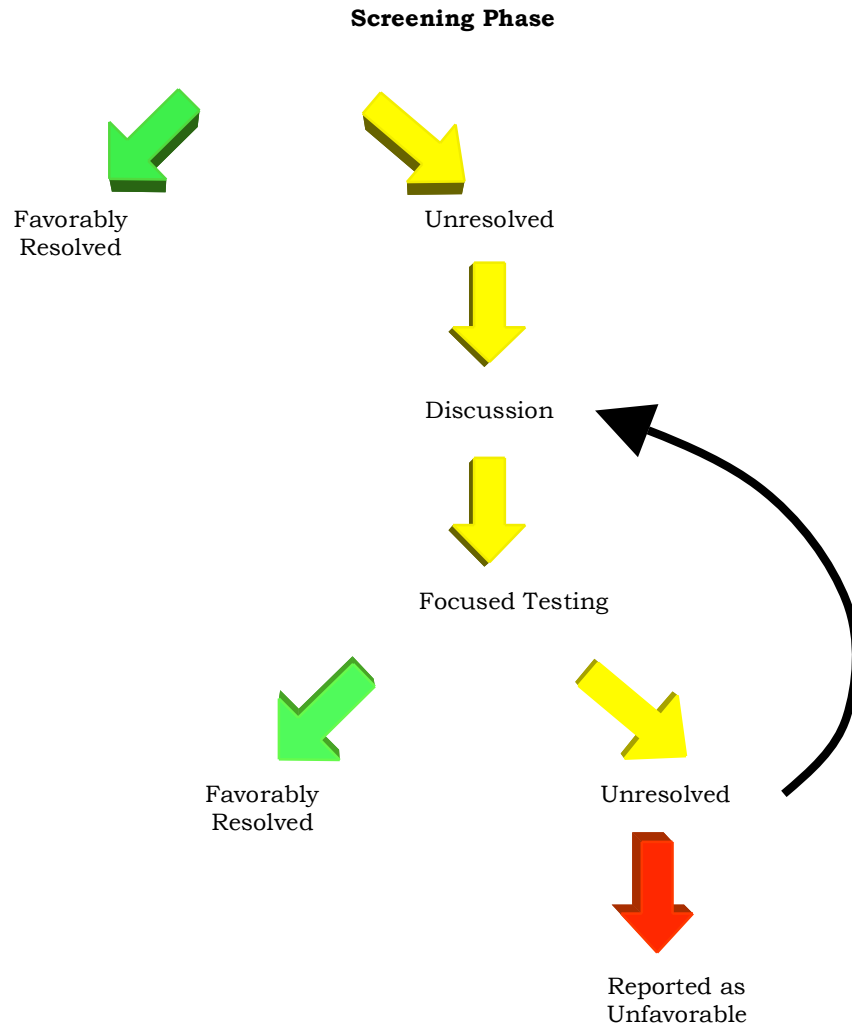
- Self-reporting from examinees who volunteer information before the testing
- Self-reporting from examinees after testing
- Polygraph results

## **What Polygraph Screening is Not**

- A single step
- A single technique
- Inclined toward false positive errors
- Final arbiter of employment fate

## **Important Factors**

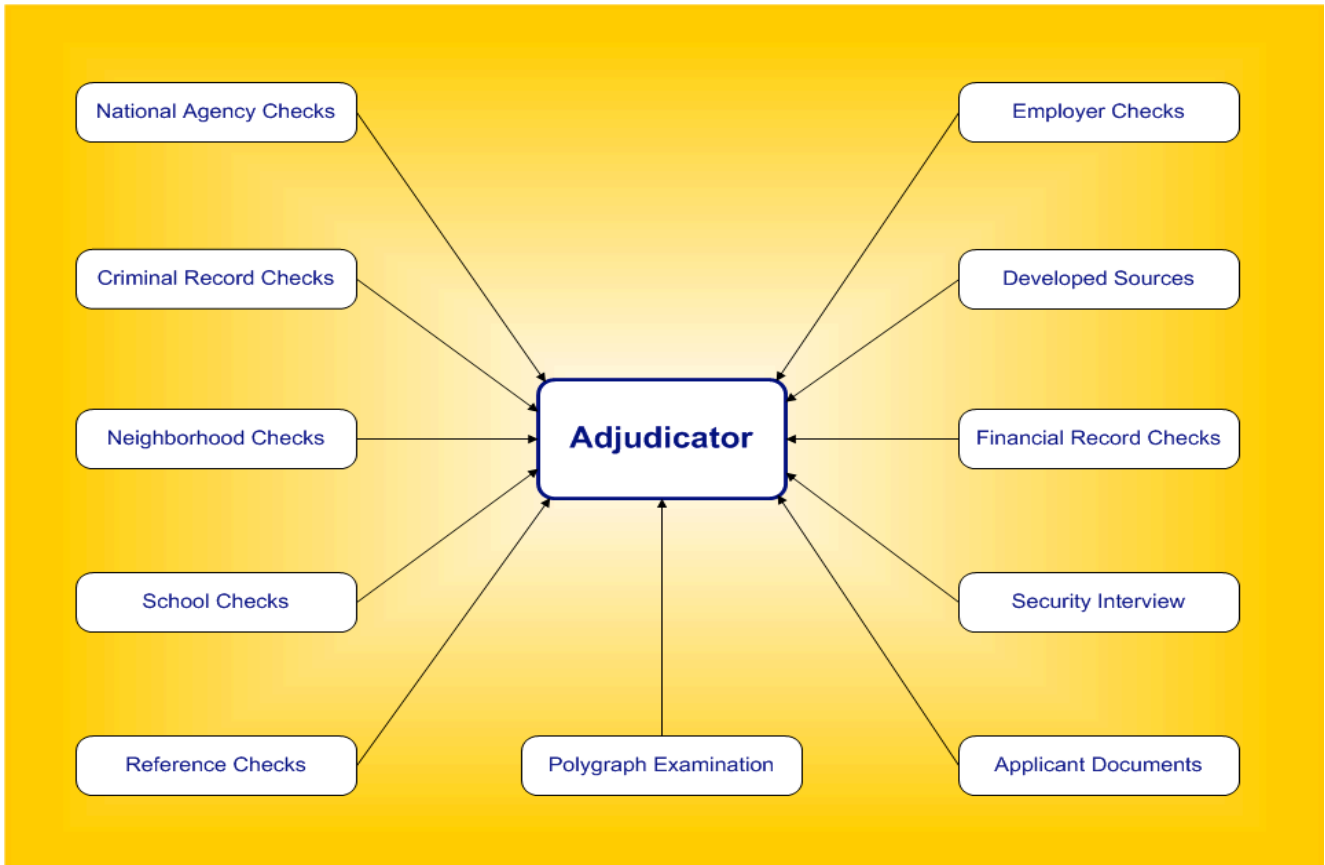
- Polygraph reactions trigger focused attention.
- Unfavorable polygraph results usually prompt other investigative methods.
- Polygraph screening in the Government uses several techniques, each with different strengths and weaknesses.



#### **Important Factors**

- Error rates have not been conclusively established.
  - Accuracy may be affected by
    - base rates
    - test questions (number, time span, memory limits)
    - decision rules
    - post-screening testing
- Field validation of polygraph screening has proved difficult, and will be no less difficult for the replacement technologies.

### Components to Security Decisions



### Principal Counterintelligence Issues

- Espionage against the US
- Sabotage
- Disclosures of classified information to unauthorized persons

### Secondary Issues

- Security violations
  - Unreported contact with foreign nationals
  - Unauthorized transportation of classified material
  - Unauthorized storage of classified material
  - Computer system misuse

### Suitability Issues

- Serious criminal activities
- Excessive drug use
- Falsification of applicant documents

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Published: 1 June 2006