

**The usage of polygraph
technology in investigation
and auditing**

**National Audit Department
of Malaysia**

Akhbar Satar

What is polygraph?

Poly: Many

Graph: Writing

Lie Detector

Fact Finder

Why Should You use Polygraph Technology?

1. A Tool to assist you in your investigation
 1. To find the truth professionally
 2. To detect a liar
 3. To Prove Your Innocent & Clear Your name
 4. Solve your case immediately
 5. *Possibility to use as a tool to detain suspect under 117 (Remand)*

Polygraph

The Polygraph measures and records changes in bodily functions brought about by stress:

- **Breathing patterns**
- **Blood pressure, pulse rate & strength**
- **Galvanic skin response**
- **By asking question**

Definition.....

....a person is **telling the truth** or not by detecting **changes in body functions** such as *pulse*, *blood pressure* and *perspiration* which can be stimulated by **emotional stress of lying** response to a **QUESTION**

Polygraph.....

The instrument is not a lie detector.

**I'm a lie detector and just as
often I'm a truth verifier”**

Accuracy

- It has been used in more than 80 countries in the world and one of the **most accurate** tool to detect deception or truthful
- **Under Good Hands it is 98% accurate**
- You Cannot Beat Polygraph

History

- In 1917, the first polygraph examination was used for counterintelligence work during World War I.
- The FBI began using polygraph examinations in 1938.
- Polygraph systems and research have advanced dramatically throughout the last 70 years and
- In 1986 the introduction of computerized polygraph systems began which has led to today's advanced state of the art systems.







Blood
pressure
cuff

Pneumographs

Galvanometers

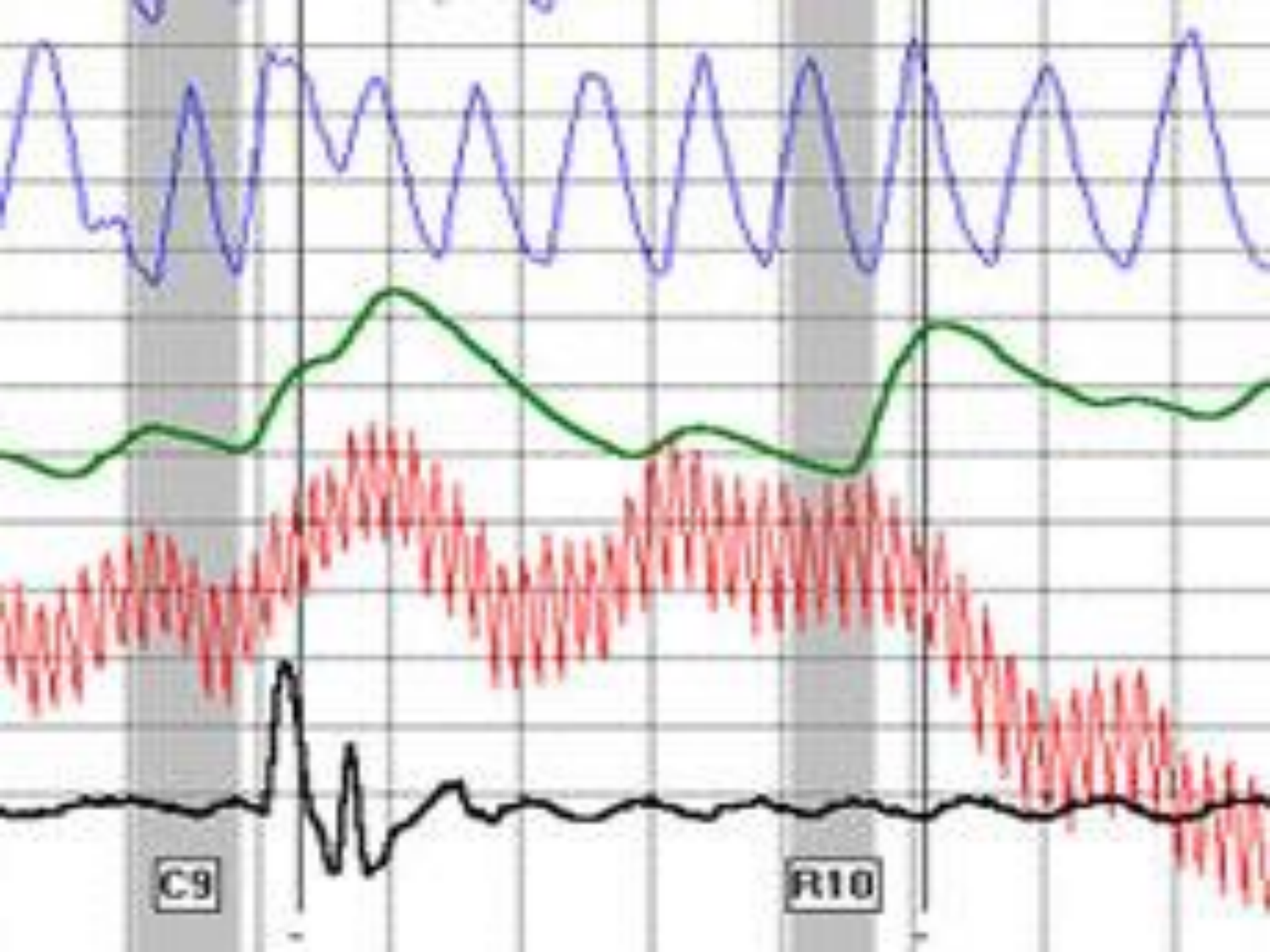


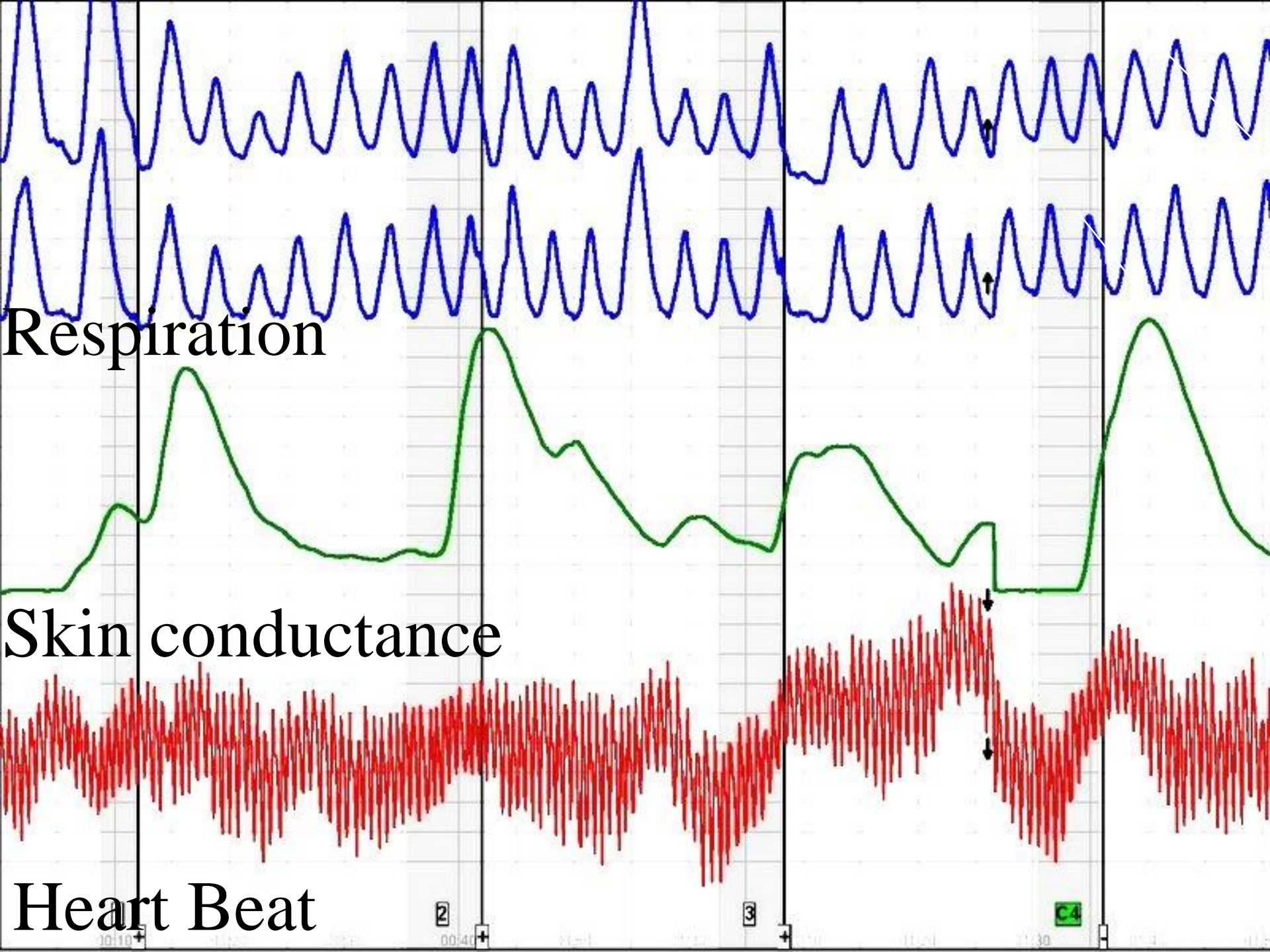












Respiration

Skin conductance

Heart Beat

2

3

C4



AP

COMPONENTS OF POLYGRAPH...

- **Convolutated rubber tubes**
- **Two small metal plates**
- **Blood pressure cuff**

STAGES OF EXAMINATIONS

- **Pre testing**
- **Testing**
- **Post testing**

Pre Testing

Interview on Background

Construction of Questions

Takes about 2-3 hours

Testing Stage

Sit quietly on the special chair

Exam: 3 times

Answering : Yes or No only

Takes about 5 minutes per exam

Post Testing

Diagnostic Analysis

Interrogation

A few hours- Depend on the skill

QUESTIONS FORMULATION

- **Relevant**
- **Control**
- **Irrelevant**

USAGE

- CRIMINAL - Internal Investigation
- ADMINISTRATIVE – Employment Screening

Usage of Polygraph Test

- Internal investigation
- Proof your innocent
- Theft
- Arson
- False claims
- Fraud
- Misuse of power
- Pre employment
- Establish truthfulness of witnesses
- Establish truthfulness of complainants
- Establish truthfulness of suspects

Usage of Polygraph Test

- Internal leakage - information
- Cheating
- Criminal breach of trust
- Forgery
- Fake robbery by security officers
- Past conviction
- Drug or dadah
- Corruption
- Lost of “exhibit”

Usage of Polygraph Test

- Loyalty to Organization
- Integrity Testing
- Industrial espionage
- Unfair Dismissal
- High Risk Job - Security
- Fake Robbery
- Involvement in Militant Group
- Selling Sensitive Information

Pre Employment Screening

- Did you falsify your application form?
- Involvement in criminal activities
- Involvement in any militant's group
- Involvement in illegal organization
- Involvement in drug, dadah, estacy, bribery
- Involvement in stealing...money, commission
- Selling sensitive information
- Previous conviction
- Previous Employment – being Fired!

Usage of Polygraph Test

In US, the polygraph is used extensively in counter-intelligence, counter-terrorism, and counter-narcotics programs in addition to criminal investigations, intelligence operations, presidential protection and nuclear materials containment

Case Studies

- Screening
- Fraud cases – CBT
- Falsifying document
- Stealing money, computer & gold
- Stealing mould –platinum
- Sabotage the factory
- Industrial espionage
- Stealing Formula
- Corruption
- Conflict of Interest

LEGAL ASPECTS OF POLYGRAPHY EXAMINATION

- To date, the question of relevancy and admissibility of the opinion evidence of the polygraph expert has not been discussed in the Malaysian courts.
- Nevertheless there is growing awareness of this field of 'lie-detector' as can be seen in the Singapore case of Eldon where the plaintiff lawyer argued that his client's testimony was unshakeable and that the plaintiff was willing to even undergo a polygraph test to prove his truthfulness.
- It is expected that more such applications on the relevance and admissibility of such evidence would be made in Malaysian courts.

The Polygraph in Asia

- **China: Courts, police (PSB)**
- **Taiwan: Police**
- **Singapore: CPIB, Police -Since 1974**
- **Malaysia: Police, Customs, ATM, ACA**
- **The Philippines (also private security)**
- **South Korea, Police, military**
- **Japan: Police, Since 1937**
- **Thailand: Police & Foreigners**
- **Indonesia: Police**
- **Brunei : Police & Anti Corruption Bureau**

Polygraph Around the World

- **United States- 4,500**
- **Canada- 400**
- **South Africa-330**
- **Israel- 220**
- **Singapore - 100**
- **Russia-704**
- **Japan- 190**
- **Mexico-100**
- **Germany-40**
- **Poland-106**
- **Slovenia-79**
- **Lithuania-78**
- **Thailand- 22**
- **Malaysia- 20 ?**
- **Brunei- 10**
- **Indonesia - 20**

How to become a Certified Polygraph Examiner

- **Good moral character**
- **College or University graduate or experience**
- **Demonstrated (APA rep) competency**
- **Undergo intensive polygraph examiner's course for 6-8 weeks.**

Who Use Polygraph

- **FBI, CIA Arm Forces: Recruitment & Investigations**
- **Law Enforcement: Recruitment & Investigation**
- **KKK : Recruitment**
- **Corporate & Legal Firms: Recruitment & Internal Investigation**

Conclusion

- **Investigate**: As a tool for Investigation – a short cut in solving any case
- **Detect** : Liar and to clear the name
- **Deter**: Act as deterrence and reduce the risk



Robert DeNiro

Ben Stiller



Meet the Parents

Meet the Parents



  **DOLBY** AC-3
DIGITAL (5.1 EX)

**"Hilarious!
Impossible Not To Laugh!"**

-Peter Travers, ROLLING STONE

 **Digital
Cinema
Sound**





BOSS，這位先生的太太叫你順便問一問這題哦...



BANK



NST 18/4/2000