

Objective and methods

Objective - provide an evaluation methodology

- Defining the set of security functionalities
- Defining a set of assurance requirements
- Determining whether the product or system meet the assurance requirements
- Determining a measure of the evaluation results
Evaluation Assurance Level (EAL)

➔ Technical Evaluation based on security assurance methods

- Testing and penetration testing
- Formal development and/or formal verification

TCSEC - “The Orange Book” (1983-1999)

Objective - evaluate and classify computer systems (i.e. OS) regarding the storage, retrieving and processing of sensitive data

➔ Initiated by the US DOD in the 70's

photo from Wikipedia

