The Operational Test and Evaluation of the Products of a Defined Software Process

LT Alex Hoover

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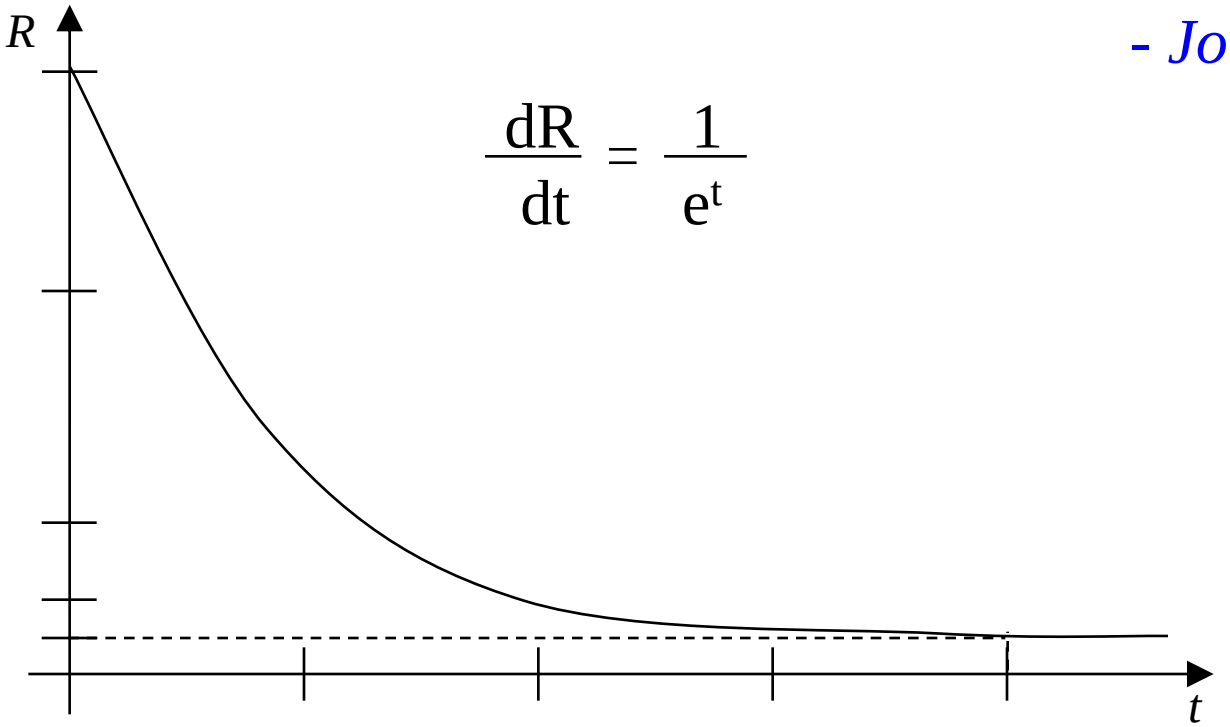
Rice's Rule

"The half-life of the relevance of an idea is one-fourth the time between submitting the abstract and taking the podium"

- John Rice

$$\frac{dR}{dt} = \frac{1}{e^t}$$



Already Said…

- CMMI isn't
  - a product measure
  - a guarantee
  - an external performance standard

- CMMI does
  - provide efficiency ROI to the Program
  - include the operational aspects of performance
  - support continuous involvement

OT&E ROI

- Referent model for evaluating operational performance
  - Identifies user interface to development
  - Characterizes artifacts
  - Emphasizes CONOPS/Concept of Employment early
- Embodies the concept of Speed of Command WRT system and capability development
- Encourages self-awareness

"The problem with looking for self-awareness is you might actually find it."

W. C. Fields

Program ROI

"Not everything that matters can be counted; not everything that can be counted matters."

-Albert Einstein

- Requires an analytical basis that permits trade-off analysis in the mission performance space
- Characterizes problems
- Bounds solutions
- Identifies risk incurred as a result of an incomplete process

Contact

LT Alex Hoover

COMOPTEVFOR, Code 83

7970 Diven Street

Norfolk, VA 23505

(757) 282-5546 x3397

hoovera@cotf.navy.mil

Operational Test & Evaluation?

- What – Statutory assessment of acquisition systems within the operational environment
- Who – Each Service delegates OT&E authority
- When – Continuously throughout the lifecycle
- How – OUE, OA, OPEVAL
- Why – System performance is fundamentally different from mission capability