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Combined DT/OT Good Idea, or Oxymoron?

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Every Good Idea Has its Origins



- **One Person's View**
 - **USS *San Juan* Experience**
 - **Compressed Schedules**
 - **Shrinking Budgets**
 - **Great Money and Time Saving Idea!**

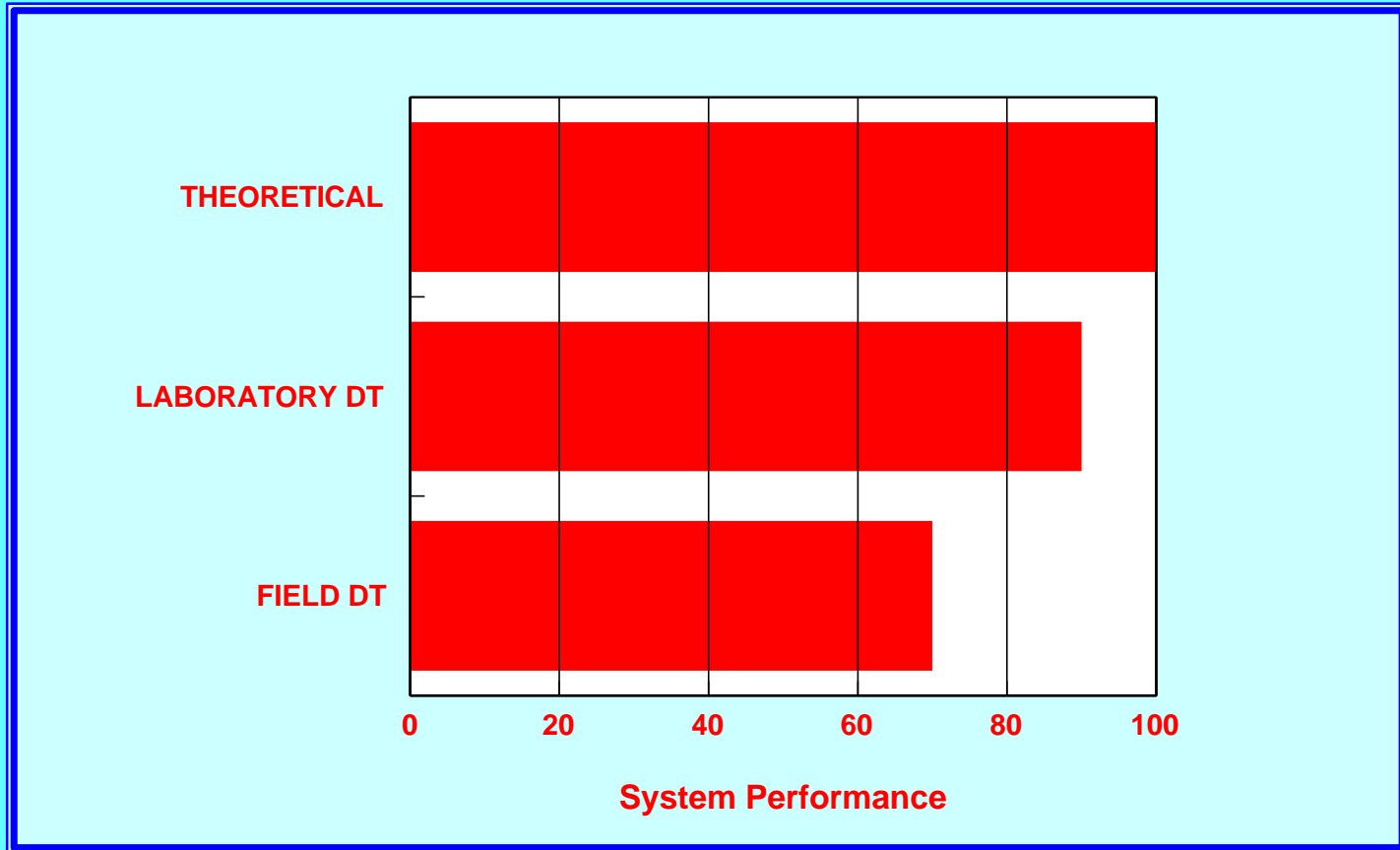


What is “Combined DT/OT”?

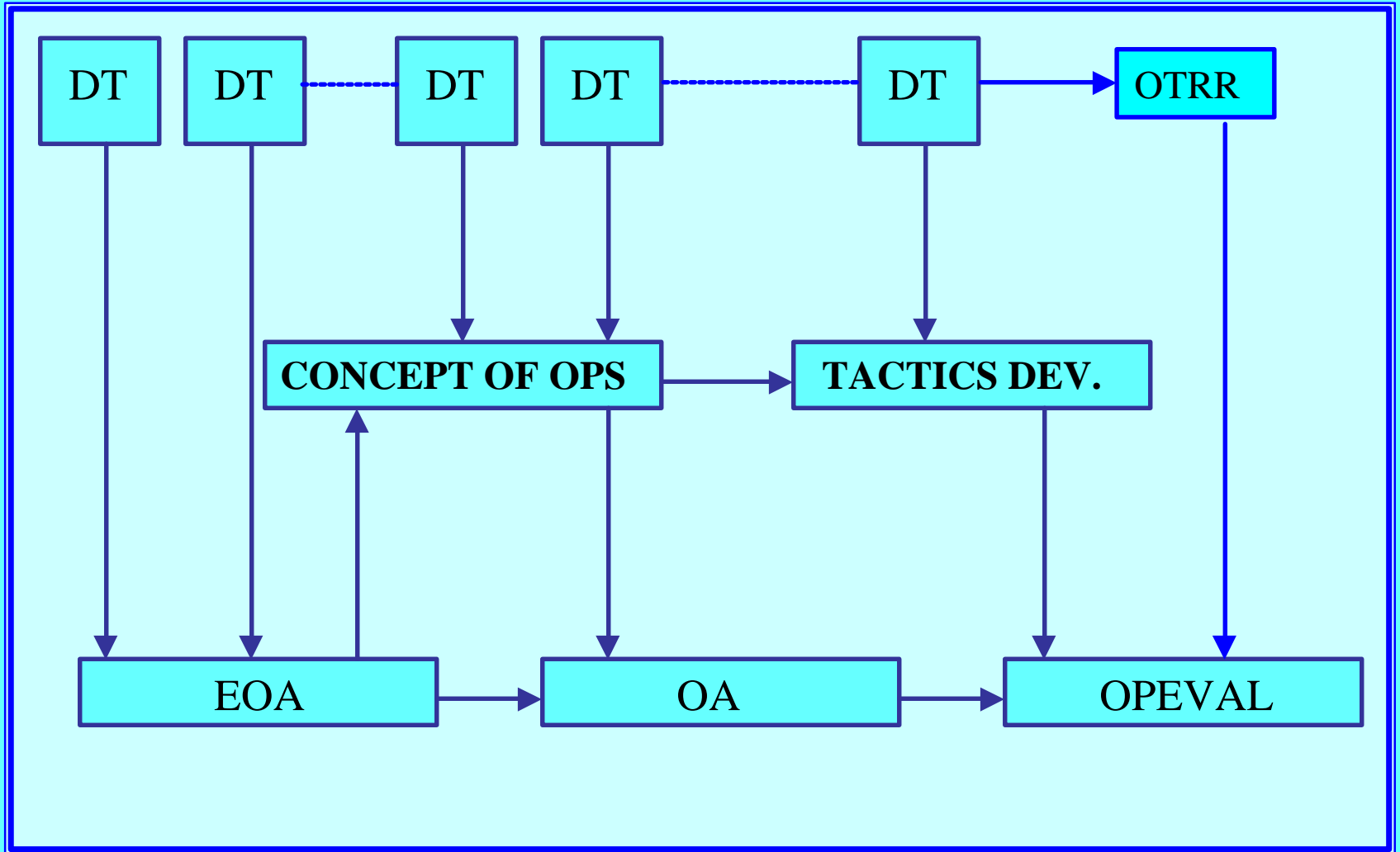
- **It is NOT**
 - **Early Involvement by the Operational Test Community.**
 - **EOAs etc.**
 - **Sequential DT/OT.**
 - **OT Diagnostic Data (FOT&E)**
 - **Training**
- **It IS**
 - **The Concurrent Execution of Development Testing with the Final Operational Test.**



Typical DT Performance

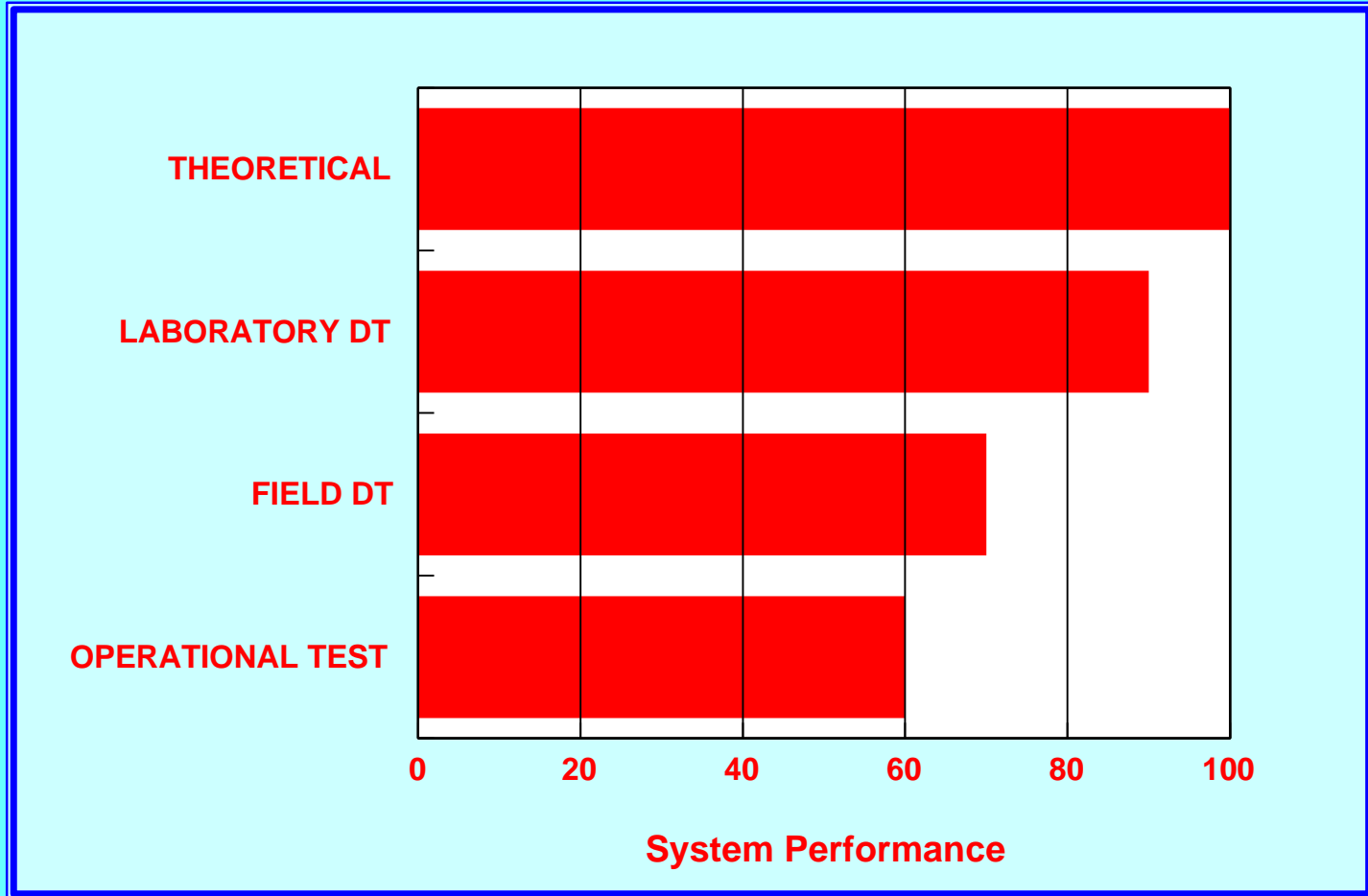


Traditional DT/OT Goals





Typical DT-OT Performance Sequence



OTA Charter



- **Determine System Effectiveness and Suitability**
 - **Complete, Production Representative System**
 - **Intended Operators and Maintainers**
 - **Intended Mission(s)**
 - **Intended Environment**
 - **Specified Threat**
- **OTA Team Planning and Supervision**
- **Protected Independent Evaluation**



Oxymoron

- There is little common ground with DT here. The purposes are different, the amount and types of controls are different, the oversight is different, and the operators are different!

Combined DT/OT is an Oxymoron!



Other (Lower Cost) Options

- **Conduct OT Concurrent with Training.**
 - **Installed Training Stimulators**
- **“Wartime” Observations.**

Conclusions



- **Make maximum use of all DT data in OT evaluations.**
- **Collect OT diagnostic data to support fixes.**
- **Never conduct DT concurrently unless OT is not affordable.**
- **Combine OT with training where it is possible to align goals.**