

Game Innovation VII: Technology Roadmap for Serious Military Games

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Approved for Public Release. Security and OPSEC Review Completed: No Issues.



The Power of Play

"Play is to the 21st century what steam was to the 19th century" - Power that can be harnessed for social and economic benefits.







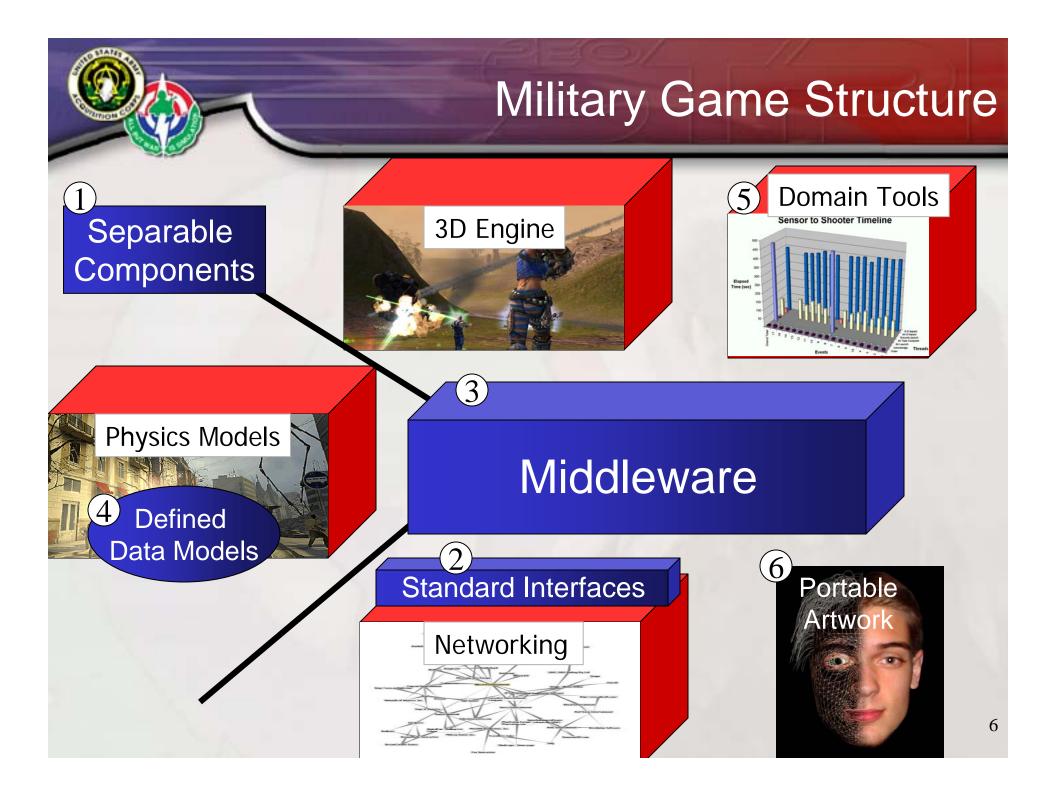
Modding Games



Phases of Military Game Adoption

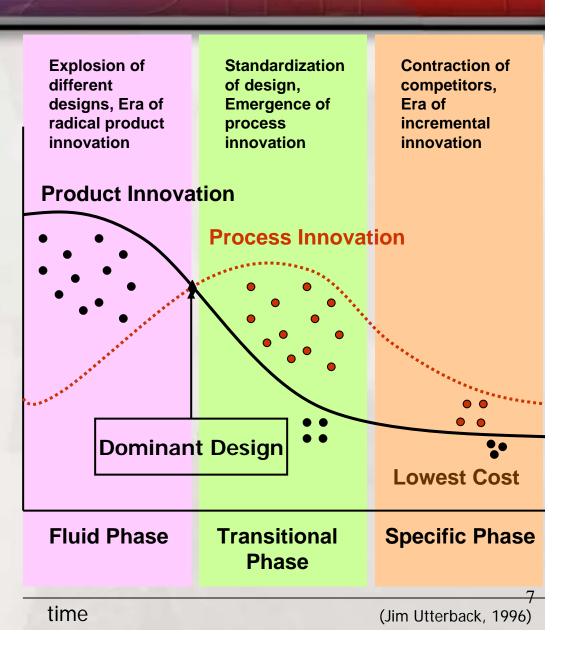
- Off The Shelf (Falcon 4.0)
- > Artist Mods (Marine DOOM)
- Model Mods (Americas Army)
- Full Game Development (Full Spectrum Warrior)
- Game Decomposition and Technology
 Application (Every Soldier a Sensor Sim)
- Create Specialty Industry ...

... Searching for the right combination of technology and mission application.



Serious Games & Dominant Design

- "Serious Games" for the military is a temporary phenomena
 - Military users will create their own unique industry, products, providers
 - Serious Games shops will be acquired or will shift emphasis
- Waiting for Emergence of ...
 - Dominant Design
 - Market Size



Beyond the 3D Shooter

- Military started with combat operations – a.k.a. Trigger Pullers
 - Same start in more traditional training and simulation
- Low cost, rapid development will enable the acquisition of trainers for more diverse missions
 Medical, Signal, Logistics, ...
 - ✤ MPs, Linguists, Maintenance, …
- Moving beyond the traditional simulation audience is where the real benefit lies



Accessible Console Platform

- Low Price Platform
 - Need to field to 100,000
 Soldiers
- Community of Developers
 - Need talent for dozens of different titles
- Open to Experimentation
 - Need to experiment and explore
- > Affordable Licensing



Summary

- Serious Games Structure
 - Reconfigurable Game Tech
- Serious Games" is a temporary phenomena for the military

 Serious users will create their own unique industry, products, providers

- Beyond the 3D Shooter
 - New Customers New Game Forms
- Accessible Console Platform
 - Low Cost, Standardized Delivery Platform

Does GT Matter?

DOES <mark>gt</mark> Matter?

INFORMATION TECHNOLOGY AND THE CORROSION OF COMPETITIVE ADVANTAGE

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How Long Does GT Matter?