

“ENTERPRISE” CITIS

(Contractor Integrated Technical Information Service)

PILOT

AN EXERCISE IN
SCIENTIFIC MANAGEMENT

FREDERICK WINSLOW TAYLOR

(A/K/A The “Father of Scientific Management”)

- **Different Designs of Shovels for Different Materials
(Match the Tool to the Job)**
- **Reduced the Number of People Shoveling Steel at
the Bethlehem Steel Works From 500 to 140.**

Frank & Lillian Gilbreth

Developed the laws of human motion

- **Noticed No Two Bricklayers Used Exactly the Same Method/motion for Laying Bricks.**
- **Analyzed the Bricklayer's Motions and Developed an Improved Method**
- **The Result: Raised Output From 1000 to 2700 Bricks Per Day.**

“ENTERPRISE” - CITIS

WHAT IS IT?

Background

- **Define E-CITIS**
 - **Determine the Fundamental Requirements of E-CITIS.**
 - **E-CITIS Is a Collection of Technologies, Applications, Processes and Capabilities**
 - **“Not a System in Terms of Hardware/software, but a Concept Based on the Following Premises:**
 - **The Universe of Data to Be Exchanged Under CITIS Can Be Defined for All Contracts.**
 - **Physical Location of CITIS Data Is Irrelevant - Accessed by Electronic Means Via the Internet**
 - **Commercial Technology Available to Support Exchange, Storage and Access of CITIS Data in a Secure Environment.**
 - **Develop a “System” Using Existing Technology to Mitigate Potential Cost Impacts.**

Our Findings

- **Analyzed 4 Different Programs (CCTT, WARSIM, ADST II, AGTS) and Found 4 Different CITIS Solutions.**
 - **Prior CITIS Implementations Have Been Project Specific.**
 - **Requirements Vary for Each Contract and Frequently Team Members Are Unaware That CITIS Is Limited to Data Required by the Contract Data Requirements List (CDRL) and Access to Vendor-managed Government Furnished Information (GFI)**
- **Detailed CITIS Planning Is Delayed Until After Contract Award**
 - **Consequently, Exchange of Information Is Limited to E-mail, Physical Media, or Hard Copy for As Long As It Takes to Develop and Implement the Actual CITIS.**
 - **Since No Pre-award CITIS Plan Was Available for Cost Estimating on the Part of Either Trading Partner, Funding Is Frequently Not Sufficient to Support an Appropriate Robust CITIS (I.E. Current CITIS Applications Do Not Evolve With Technology and Become Obsolete Quickly).**

Solutions

- **Define the Functional Performance Objectives of E-CITIS**
- **Ensure the Resultant Technical Solution Is Neither Software nor Vendor/trading Partner Specific. (I.E. That the Solution Will Work Equally As Well With All Trading Partners From Customers to Vendors) - This Is Critical in Today's IPT Environment.**