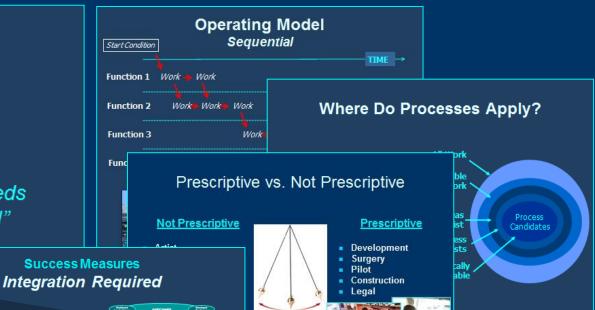
Project Management Infrastructure

"What Every Organization Needs to Make Projects Successful"



Seminar is > 90 sl **How Are These Dimensions Integrated?**

Factors



Personnel Development Components

Measure A Measure B

Personnel

Development



Multiple Development Methods Are Needed

Metrics Pitfalls

Metrics Are Essential, BUT Metrics Have Pitfalls

Processes



Manipulation



ersonnel

Experts

velopment

- **Unintended Consequences**
- Funds Spent vs. Value Received
- Learning Time vs. Learning Time vs. Quality
- Volume vs. Quality
- Process Adherence vs. Quality or Resources Expended or Time
- Loss of Focus on Organization's Core Role

Understanding Learning

I Can Reme

I Understan

I Can Combine With Ot

Peer-to-Peer – Establish and support Co

"Thoughts About Learning to Support Implementing Improvements"

Summary Levels of Learning

I Can Remember

I Understand

I Can Apply

Some incorrectly believe

this is all learning is.

Some think if you know a

few terms and can recite a few basics, that they ...

"know it all."

This is not the case as

additional and significant

Notional Depths of Learning

I Can Remember

to Evaluate LUnderstand

0

ontext and S

nbine

Incomplete Learning

Real Learning Gaps- The Bottom Line

The result can be that "Real Learning Gaps" exist and organizations interested in improvements need to be aware of those gaps.

 I Can Remember I Understand

Learning Opportunities

What Some Believe Learning To Be

- Training Seminars, courses and workshops both internal and external.
- Learning On Demand Use websites for tutorials, guides, short seminars. FAQs, etc. to and "just-in-time" learning.
- Job Rotation ninar is support anou
- (Special Interest Groups) and let the employees run then
- Special Assignments Have individuals take short term or part time "Special Assignments* to broaden experience, skills and context awareness.
- Coaching Long term one-on-one pairing of senior and junior employees for frequent advice discussions: this is "real work" advice, not career mentoring.
- Experts Identify experts for critical topics and have experts advise teams on lessons learned, best practices, pitfalls to avoid and to answer team questions.
- Mentoring Longer term one-on-one pairing of senior and junior employees for career growth discussions; this is not coaching as the focus is career growth.

Fundamentals Are Essential

Why Fundamentals Are Important

 Fundamental knowledge is the foundation for advanced knowledge, without fundamentals, retainable and truly derstood advanced knowledge is not

- Recalling fundamen "not getting lost in the weeds" wher solving problems and making improvements as one can focus on the basic concept.
- Fundamentals help teams find common ground for understanding, agreements and cooperation.



What Every Successful Project Needs

"20 Things to Make Your Projects Successful"

Speaker and Developer Mark Waldof

What Every Successful Project Needs

- Authorization
- Defined Delive
- Deliverable Re
- Constraints
- Defined Custor
- Start 8
- RealF
- Accou Succe
- 10. Define

Documented Project Constraints

"the conditions the project must exist within"

A Plan Is A Set of Visuals

ate of

until

fined

Plan Vieuale

Defined Project Deliverable "what exactly is delivered as a result



The Plan Should Include Clear Account

Priorities

- A priority is something more important than something else
- A priority does not mean something else is not important
- All efforts need priorities that
 - Established
 - Communicated
 - Understood
 - Followed
 - Managed (Changes)



Known Success Factors

"What does project success mean?"

"threats to the project must be handled

What - Risk management is the identification, assessment and control of risks to project success.

Example Risk Management

- Construction Safety Equipment
- Product Development Multiple Prototypes and Testing
- Time Sensitive Project Schedule Reserves

If Missing? - If no risk management, the project faces the possibility of severe negative impacts to project goals





Note: This is



Cost

Priorities







What Can Go Wrong In Developments?

Partial List

- 1) The Problem or Need is Misunderstood
- Alternative Solutions Not Identified and Evaluated
- Wrong Technical Solution Sel
- All System Level Requiremen
- Requirements Not Mutually O
- All Appropriate System Dime
- All System Lifecycle Phases
- Poor Overall System Level / Architect
- Detail Requirements Before System Level Design Base
- 10) Users Insufficiently Involved in Development
- 11) Maintenance Approach Not Considered in Requirements or Design
- 12) Upgradeability Not Considered in Requirements or Design
- 13) Stakeholders Not on the Same Page for Requirements or Design
- Inaccurate Estimates of Time and Resources
- 15) Inadequate Lower Level Requirements

"System" **Method Combinations for Software** of different at work in **Lean Principles** Crystal Principles Changes Scrum **Have Dimensions** se Planning, Prioritized Agile Principles **Scrumban** delivery frequently, Refactoring Pair Programming TDD. Race Processes **System Variables**

vs. Project Types Notional Relations

System System Variable System Breadth and Dimensions Coupling Depth eminar is > 130 si

A System Development May Employ Many Internal Lower Level Models

Alternatives System Deliver & Operate & Upgrade Disposal



All Steps Drive System Requirements Development At Increasing Levels of Detail



O Mark Waldof Consulting LLC







SE is A Solution to Many Project Issues