

# Matching Management Processes and Development Methods

Safe Merging in the Fast Lane



#### Today's Discussion

- Introductions
  - □ Self/Company Introduction
  - □ Preface
  - □ Where Are We Headed?
- □ Where the Rubber Meets the Road

#### Lightweight, Process, Development

- What Do We Mean By \*Lightweight\* ?Is it the Developers or the Processes?What's Process Discipline?
- A Word About Development Processes

- Process Discipline in the Context of Development Processes
   Common Misconceptions About
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#### Transition

- Discipline in Lightweight?Undisciplined = Planning & Feedback Don't Happen?
- □ Does This Look Undisciplined?
- XP's Rules and Practices
- □ Process Discipline in Lightweight

#### Resolution

- Safe Merging Through Matched Speeds...
- How Would this Look?

## Summary

- New Perspective?
- □ Resources
- Saturday, 15 February 2003



### Introductions

Self/Company Introduction Where the Rubber Meets the Road

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### **Brief Introduction to Entinex**

- Business and Technical Processes for the Information Age.
- No shelfware: It takes a no-bones attitude to make extraordinary things happen.
- Use technology process management to match internal activities with business needs and customer expectations.
- Improve product development and delivery, ensure service quality, and increase project success rates.

Entinex Makes IT Work





#### **Preface**

- Software:
  - □ It's "Everywhere"

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- □ It's in "Everything"
- Software Then:
  - □ Few Could Do It
  - □ Fewer Understood It
- Software Now:
  - □ Teens Can Do It
  - Yesterday
- □ Still Poorly Understood

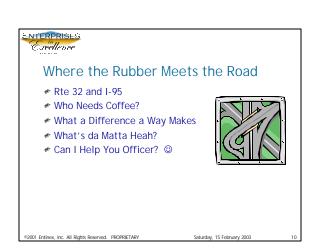
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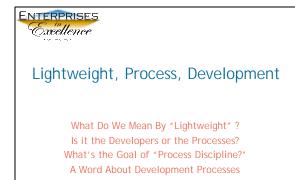












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### What We Mean by Lightweight (Cont'd)

Alistair Cockburn ('co-burn'):

"Computers must support the way in which people naturally and comfortably work. This is needed both for personal job satisfaction and for corporate survival. I care about whether the team is thriving, and whether the software is coming out the door. Keeping the people trained and the process light are key to both."

#### Another Alistair Attribution:

"[Software development] methodologies that focus on the use of as little process as possible to obtain good results. Often proportioned to the size or risk of the project."

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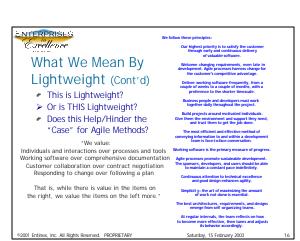
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### What We Mean by Lightweight (Cont'd)

- Martin Fowler's "The New Methodology"
  - □ From Nothing, to Monumental, to Agile
    - o Predictive versus Adaptive
    - o Separation of Design and Construction
    - o The Unpredictability of Requirements
    - o Is Predictability Impossible?
    - o Controlling an Unpredictable Process
    - o The Adaptive Customer
  - □ Putting People First
    - o Plug Compatible Programming Units
    - o Programmers are Responsible Professionals
    - o Managing a People Oriented Process
    - o The Role of Business Leadership

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# What We Mean By Lightweight (Cont'd)

- ◆ One Last Definition (a programmer's view)
  - "...lightweight methodologies de-emphasize production and emphasize productivity. Production here is defined simply as producing things, whereas productivity is defined here as the rate at which requirements are being satisfied. Any production that is not productively contributing to requirements satisfaction is bureaucracy."
- Robust?
- ◆ Real Value, True Colors
- Is it the Developers or is it the Process?

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#### Is it the Developers or the Processes?

- How's the Horse Lookin'?
  - ☐ Made the Case for Process Discipline.
  - □ Made the Case for Development Productivity.
  - □ Introduced Agile Methods.
- Do Agile Methods Ignore Process Discipline?
  - □ Yes? Really!
  - □ No? Be from Missouri.



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### What's the Goal of "Process Discipline?"

- A working definition of Process Discipline
- Process Discipline in a Nutshell
  - 1. The right things
  - 2. The right way and
  - 3. Can prove that we've done it, and
  - We can fix things wherever we fail in any aspect of the above three



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# What's the Goal of Process Discipline? (Cont'd) Extended Process Requirement for Lightweight

"All processes must actively support development's productive activities. Process must avoid creating additional effort for development functions outside of the project's stated development function processes. To ensure that processes are acceptable to the development functions, they must be designed in collaboration with the project's development community. The development community, in turn, must allow the process owners to achieve their process and product oriented objectives. Thereby reaching consensus on a balance between process and productivity. The goal is to fully integrate necessary process steps into activities that add value to the development effort while resulting in insight, predictability, measurements and traceability of process effectiveness.

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#### A Word About Development Processes

- Would You Like Fries with That?
- ★ The Toe Bone's Connected to the...
- Conjunction Junction
- Fool Me Once..
  - □ Steps in an SDLC
  - □ Steps in Process Discipline
  - □ SDLC ≠ Process Discipline



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#### Issue

Process Discipline in the Context of **Development Processes** Common Misconceptions About Lightweight

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## Process Discipline in the Context of **Development Processes**

- ₱ But Wait! There's More!
- # It Dices! (Ensure Standards are Met)
- \* It Slices! (Ensure People Know What to Do)
- # It Washes Dishes! (Ensure Everything Holds Together)
- # "On One Foot."
- # KISS



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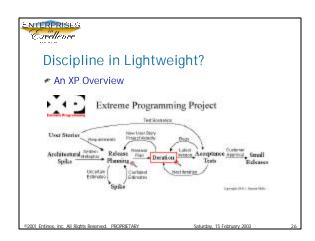
# Common Misconceptions About Lightweight Development Processes

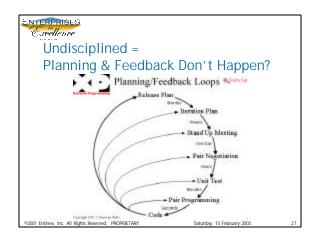
- ★ Keeping Up the the Times
- # It's In There...

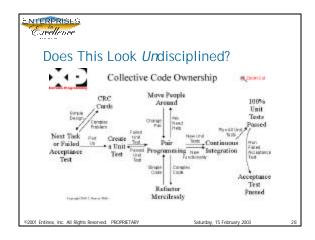


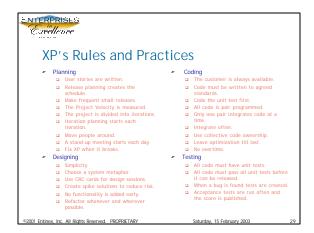
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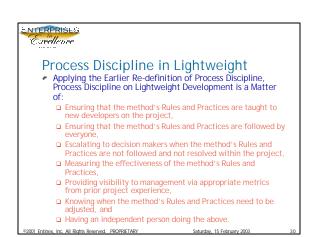














#### Resolution

Safe Merging Through Matched Speeds How Would This Look?

# INTERPRISES

# Safe Merging Through Matched Speeds...



- Characterize Today's Process Discipline Programs
- What's the Point? (Or, Tell me about your mother)
- Out on a Limb, the View is... Different
- Process Pull (Shake)
- Process Twist (Rattle) rocess Push (Roll)





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### How Would this Look in Everyday Activities?

- CM Example
- ★ Release and Tracking Example
- \* OK, Everyone, Time to Get Out of the Car!
- # If You Will It, It Is No Dream. Chaim Hertzl
- Been There, Done That!
- Getting There: Enjoy the Ride

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## Summary

And Conclusion

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#### What We've Covered

- Current Process Discipline Practices Have Evolved from a Legacy of Adaptations of Previous Process Discipline **Approaches**
- Many of the Previous Process Discipline Approaches Did Not Achieve Anticipated Process Discipline Results
- Most of the Previous Process Discipline Approaches Were Not Designed to Add Business Value So Instead they Got in the
- Such Approaches Fostered Resentment Towards Process Discipline and Process Discipline
- Lightweight Methods Grew Out of the Need to Find Non-Oppressive Processes

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#### What We've Covered (Cont'd)

- Misconceptions Between Lightweight Methods and Processes Discipline Have Kept the Two Apart
- By Integrating Processes Into Development, Process Discipline Can Be Matched to the Speed of Development
- Integrating Process Discipline into Development Will Require Re-Orientation of the Process Discipline Abstraction, But
- May Also Require Different Talent Mix for Certain Roles
- Integrating QA Process Into Development Processes Will Lead to Greater Business Value, And
- Greater Process Compliance.

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