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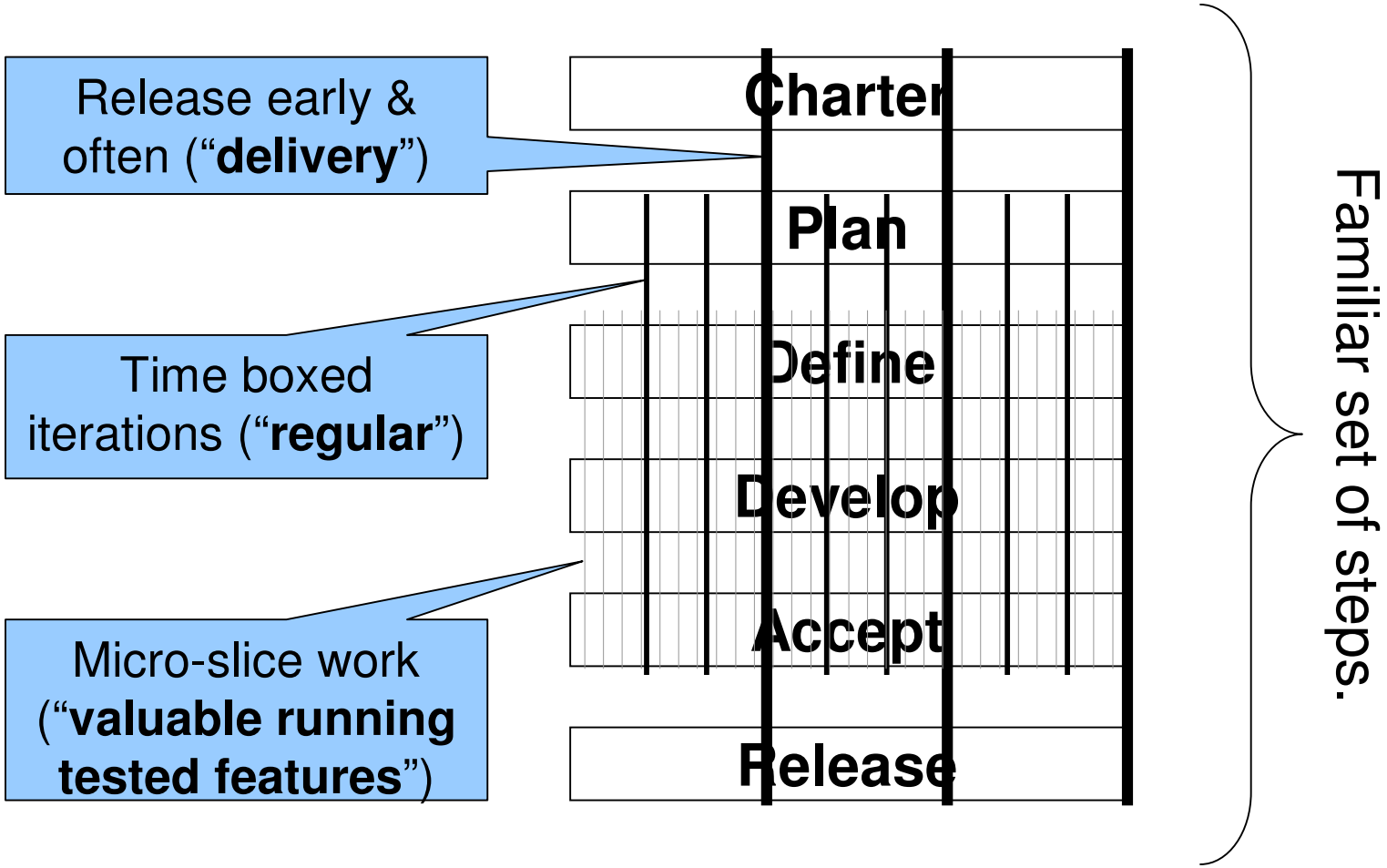
Critical Success Factors for ATDD*

*Acceptance Test Driven Development

Agile = Regular Delivery of Valuable Running and Tested Features



Agenda

- **What is ATDD?**
- **Why should we do ATDD?**
- **How can we ensure success?**

Full ATDD Workflow

	Author	Reader	Automator	Developer
Red	1. Create Example			
	2. Execute Example			
	3. Version control Example			
		4. Find Example		
		5. Review Example		
		6. Execute Example		
			7. Create DSTL	
			8. Execute Example	
			9. Version control DSTL	
		10. Review Example and DSTL		
				11. Execute Example
				12. Create unit tests
				13. Execute unit tests
Green				14. Write system code
				15. Execute unit tests
				16. Execute Example
				17. Version control system code
	18. Execute Example			
		19. Execute Example		
Refactor				20. Refactor system code
				21. Execute Example and unit tests

Agenda

- What is ATDD?
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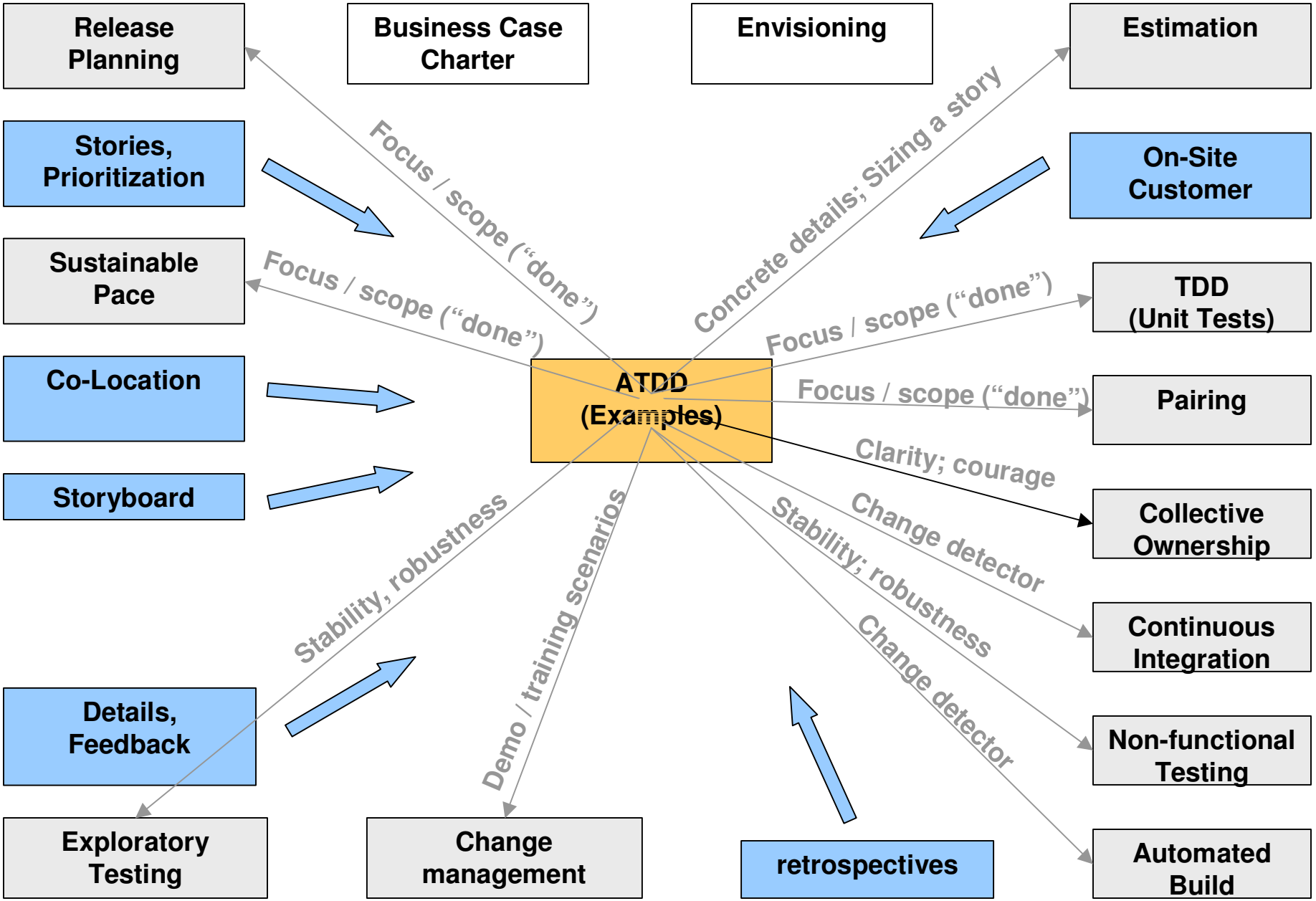
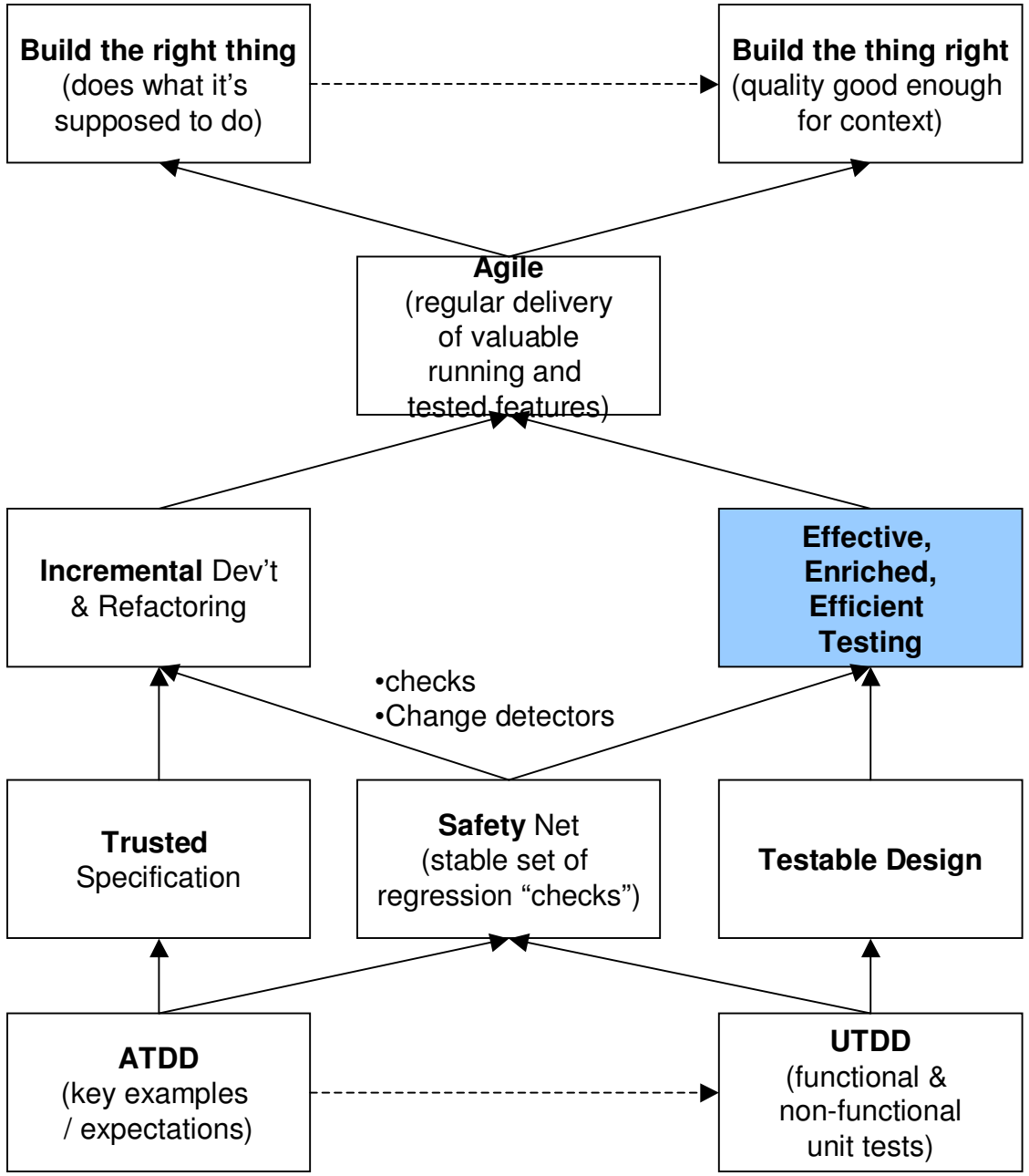
ATDD Enables Other Practices




Build the right thing
(does what it's supposed to do)
Build the thing right
(quality good enough for context)
Agile
(regular delivery of valuable running and tested features)
Incremental Dev't & Refactoring
Effective, Enriched, Efficient Testing
• stable, robust system
•checks
•Change detectors
•Concrete
•Living documents
•In synch with code
Trusted Specification
Safety Net
(stable set of regression "checks")
Testable Design
•Design for testability patterns
ATDD
(key examples / expectations)
UTDD
(functional & non-functional unit tests)

Agenda

- What is ATDD?
- Why should we do ATDD?
- How can we ensure success?

Critical Success Factors

- **Team must be:**
  1. Collaborative
  2. Trained
  3. Disciplined
- **Examples must be:**
  4. Readable
  5. Maintainable
  6. Locatable
  7. Automated
  8. Efficient
  9. Measurable
- **System under test must be:**
  10. Designed for testability

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