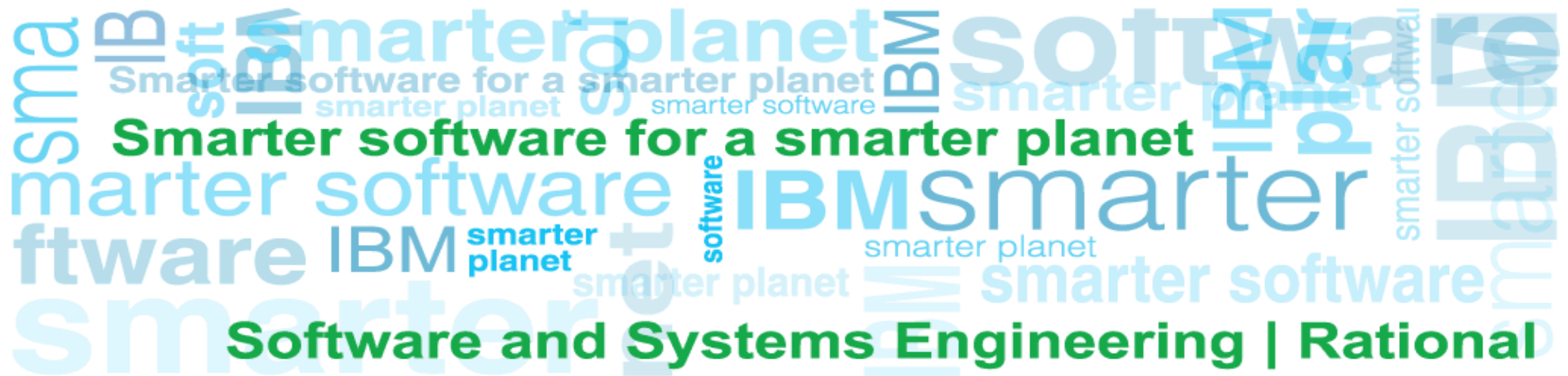


Agile Adoption for Android Mobile Project using IBM RTC

- Samsung SDS Agile Transition

Samsung SDS Seung-Ryong Yi



Agenda

1. Project Overview

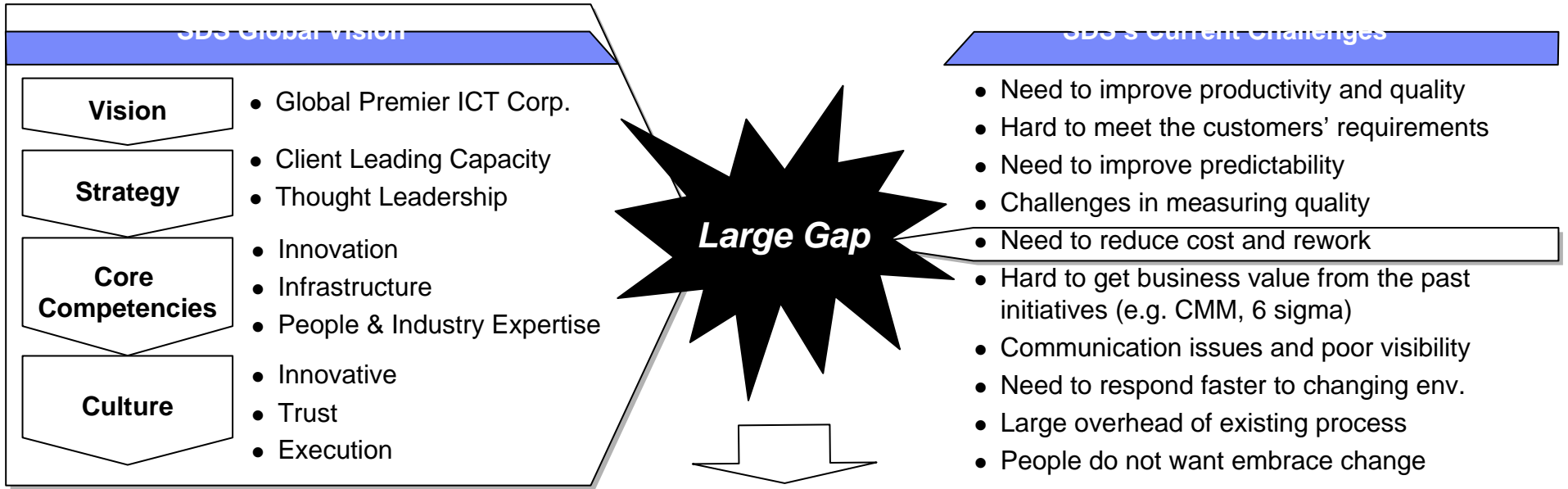
2. Wave 1 Achievements

3. Next Steps – Wave 2



Background - SDS Imperatives

To accomplish becoming a global premier player, SDS must transform current software delivery practices to become more innovative – where an agile culture becomes a critical winning criteria

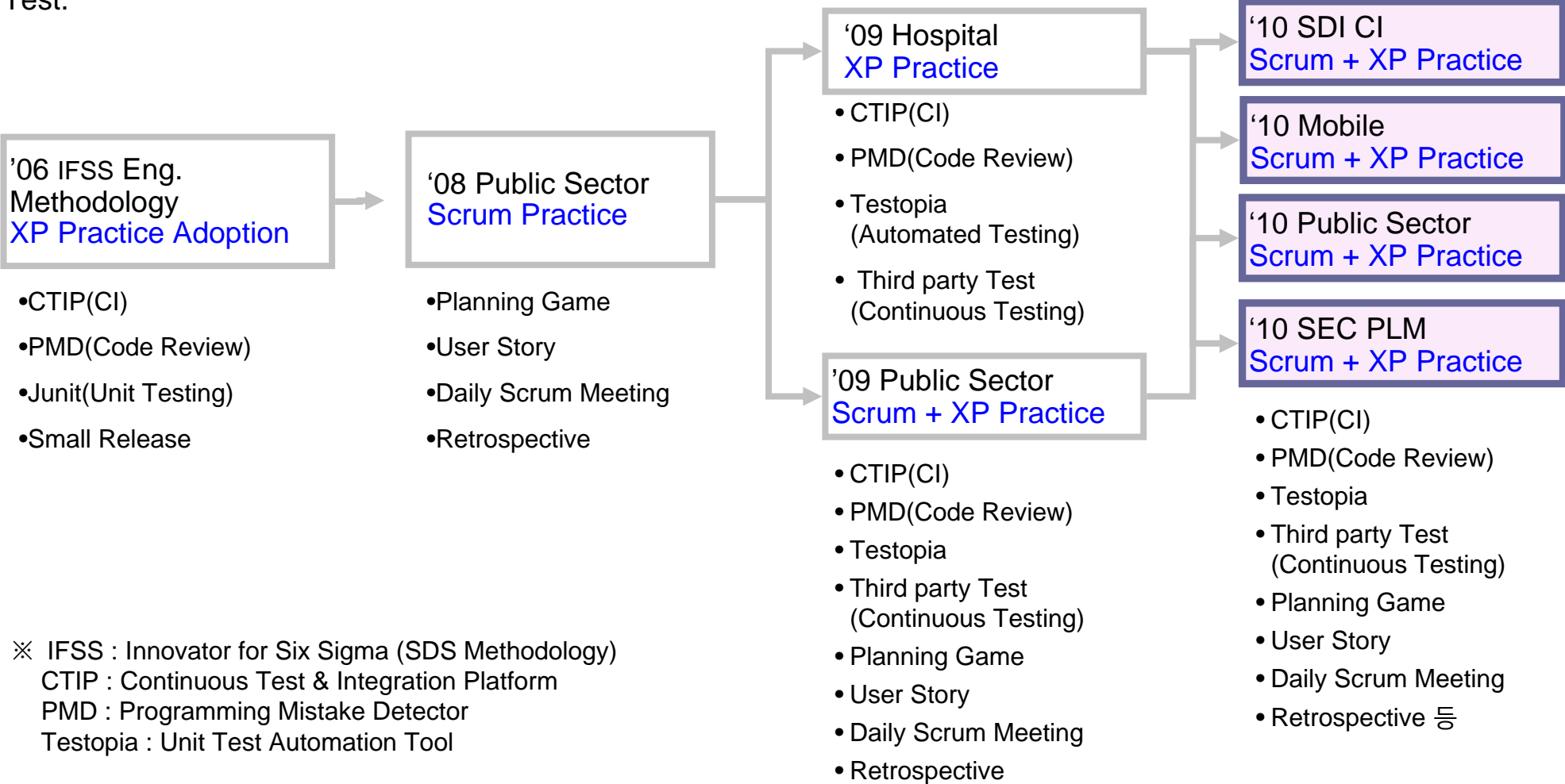


SDS Imperatives to Fill the Gap

Implications to SDS	<ul style="list-style-type: none"> In order to fill the gap between the vision and the reality, <u>SDS's most urgent priority is to transform current software development and delivery into agile development</u> to support the current fast and innovative business environments The business values must be realized by such a transformation for continuous sponsorship
Role of Program	<ul style="list-style-type: none"> The program must play the role of innovation enabler by delivering break-through results for SDS software delivery to cater to the needs of customers in the competitive markets

Samsung SDS Agile Adoption History

Samsung SDS has started to adopt Scrum and XP practices to the contract based system integration project since 2006, but it is not still widely used in enterprise level while some engineering practices are adopted well such as CI, Test.

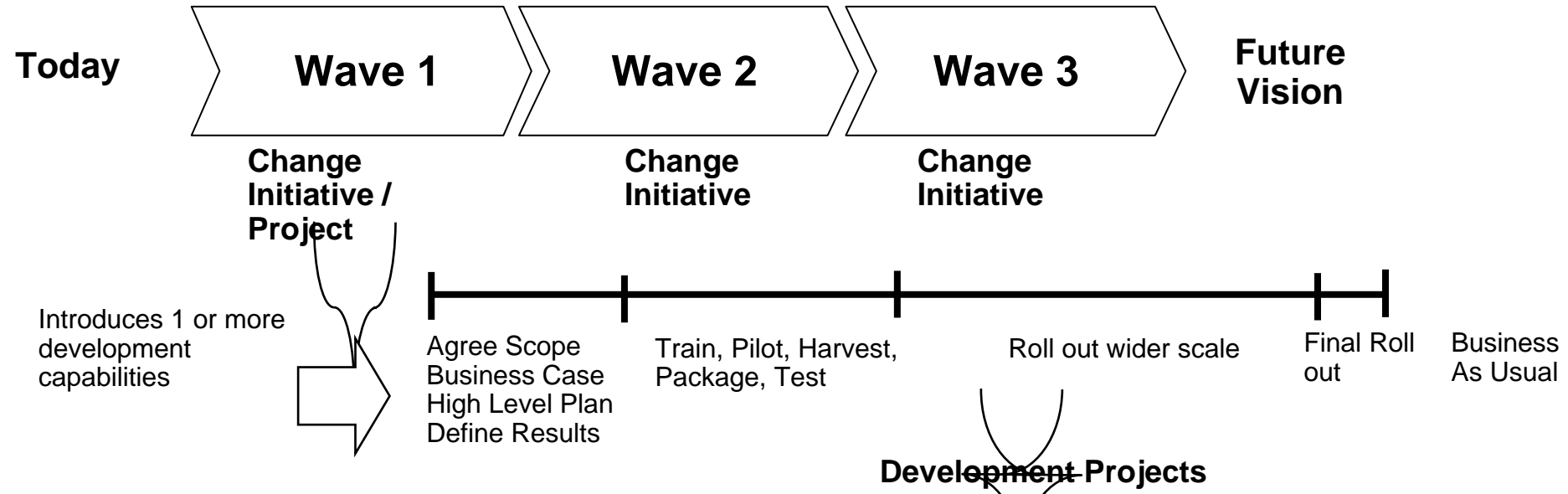


※ IFSS : Innovator for Six Sigma (SDS Methodology)
 CTIP : Continuous Test & Integration Platform
 PMD : Programming Mistake Detector
 Testopia : Unit Test Automation Tool

Strategy for Agile Transformation

To have successful Agile transformation, SDS needs to have the strategy and best practices to adopt new processes and tools

Waves of Change →

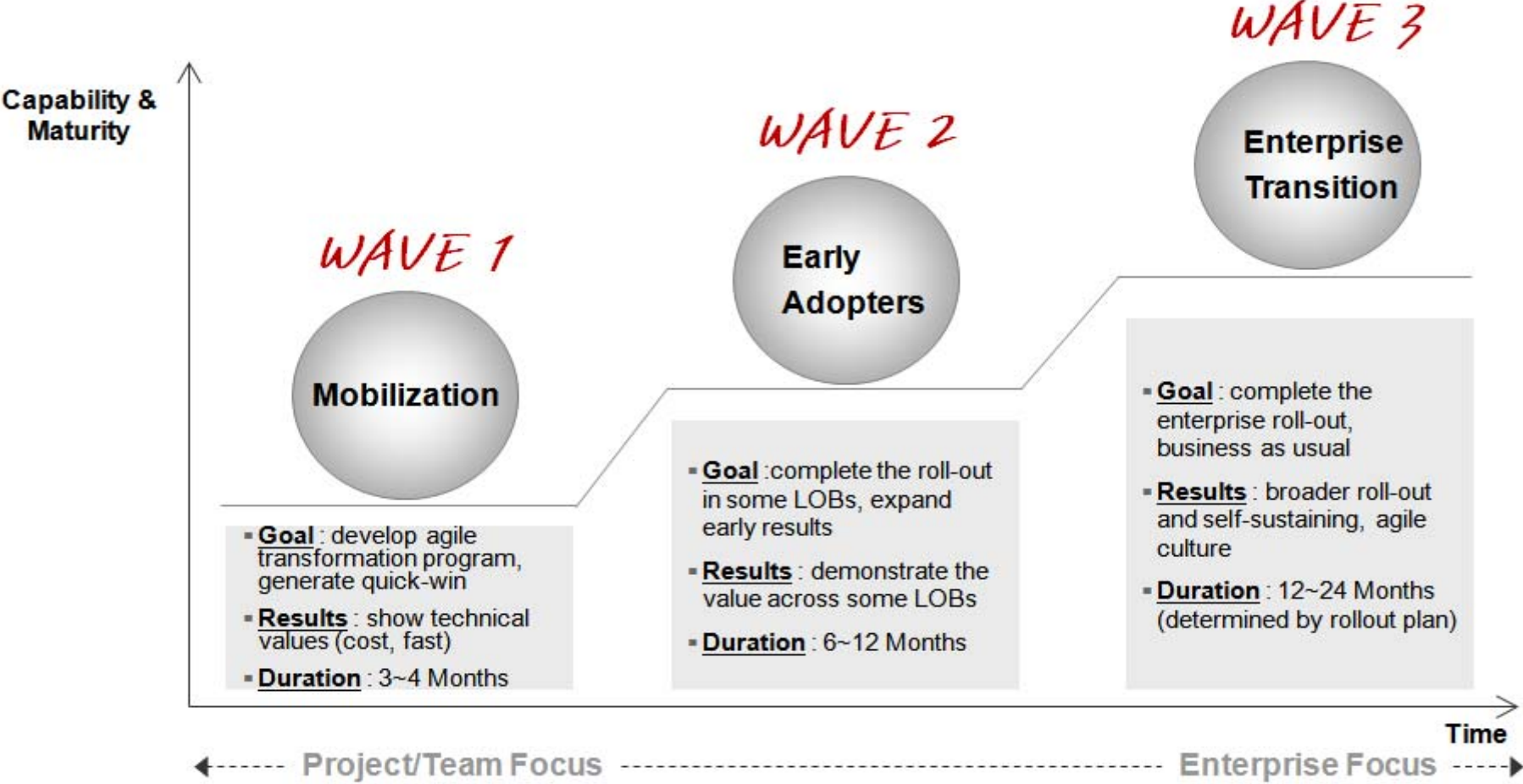


[Best Practices for Transformation]

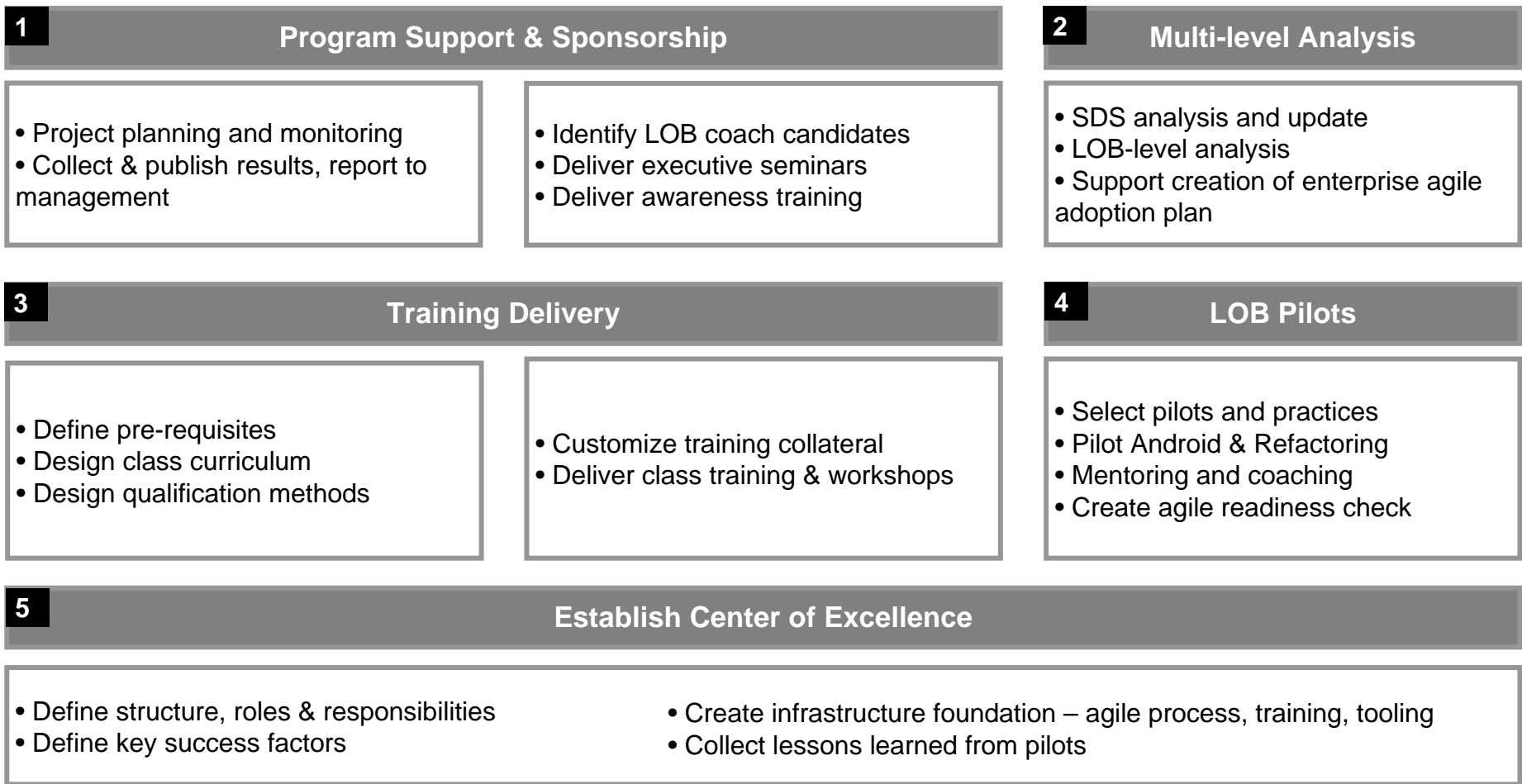
- Adopt process & tools incrementally in projects
- Support project teams with just-in-time training & mentoring to accelerate learning/adoption
- Demonstrate quick-wins from projects.
- Develop internal SMEs/Mentors who deliver mentoring to project team via CoE/Tools Group

Samsung SDS Agile Transformation

In mid 2010, Samsung SDS started an Enterprise Agile Transformation Project with IBM.



IBM Rational recommend and consult the following transition plan and help SDS to Transform to Agile



Agenda

1. Project Overview

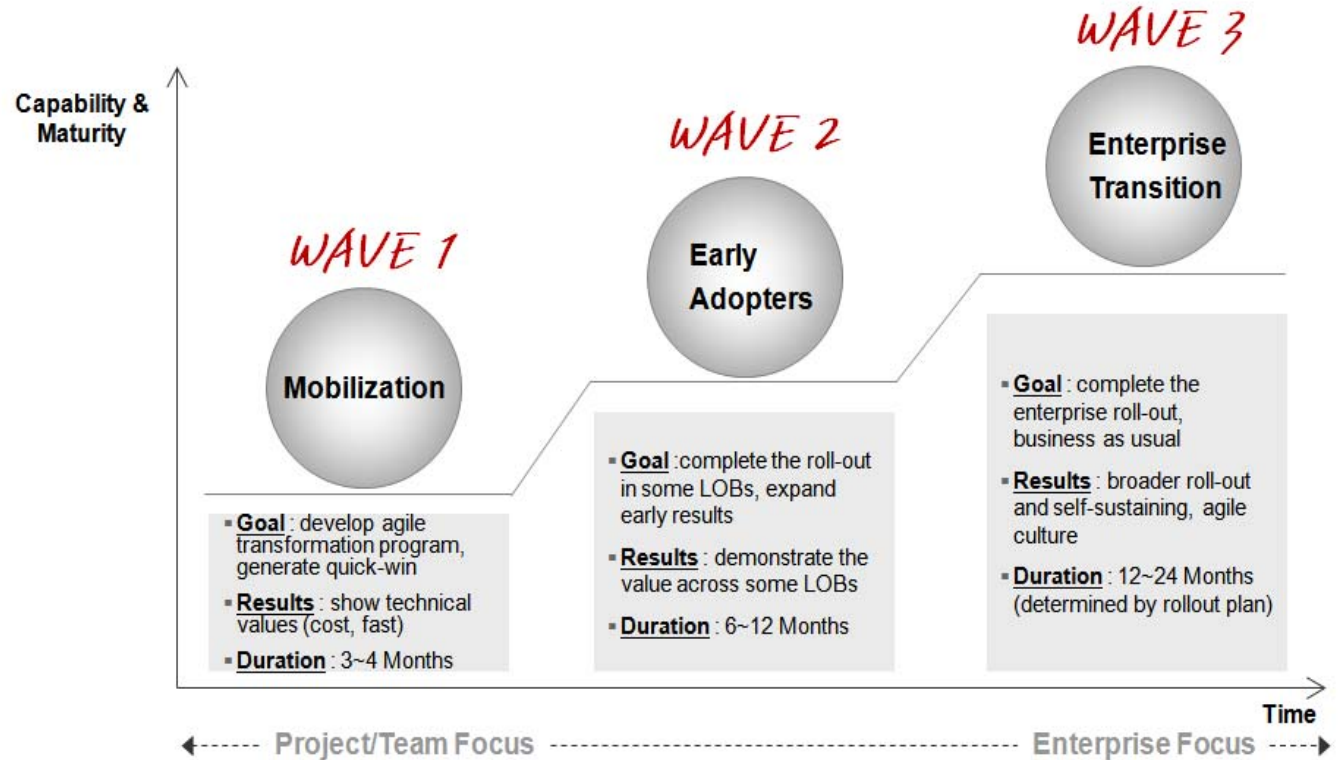
2. Wave 1 Achievements

3. Next Steps – Wave 2



Retrospectives

Strategic Approach



Retrospectives



Metrics

**Duplicate metrics across practices. SelfCheck applied across all practices*

	Wave 1	Wave 2	Wave 3
Iterative Development	<ol style="list-style-type: none"> Build Health Defect Density at Customer Ship* Team (Iteration) Velocity Requirements Test Coverage Test Execution Status (User Acceptance Tests) Self Check* 	Sprint Burndown	<i>Stabilization and baselining</i>
Release Planning	<ol style="list-style-type: none"> Defect Density at Customer Ship Defect Trends* Enhancement Request Trend (Scope Creep) Team (Iteration) Velocity Planned vs Actual Delivery Dates Release Burn Up* Requirements Test Coverage 	Planned Versus Actual Cost	<i>Stabilization and baselining</i>
User Story Driven Development	<ol style="list-style-type: none"> Stakeholder Involvement* Requirements Test Coverage 	Requirement Status Risk Distribution	<i>Stabilization and baselining</i>
Whole Team	<ol style="list-style-type: none"> Build Health Blocked Worked Items (Impediments)* Team (Iteration) Velocity Stakeholder Involvement 	Deferred Work Items	<i>Stabilization and baselining</i>
Shared Vision	<ol style="list-style-type: none"> Test Execution Status (User Acceptance Tests) 		<i>Stabilization and baselining</i>
Requirement Management	<ol style="list-style-type: none"> Stakeholder Involvement Requirements Test Coverage* Test Execution Status (User Acceptance Tests) 	Requirement Status	<i>Stabilization and baselining</i>
Continuous Integration	<ol style="list-style-type: none"> Build Health* Test Execution Status (User Acceptance Tests) 	Build Frequency	<i>Stabilization and baselining</i>
Risk Value Lifecycle		Test Execution Status (User Acceptance Tests) Risk Distribution	<i>Stabilization and baselining</i>

Retrospectives

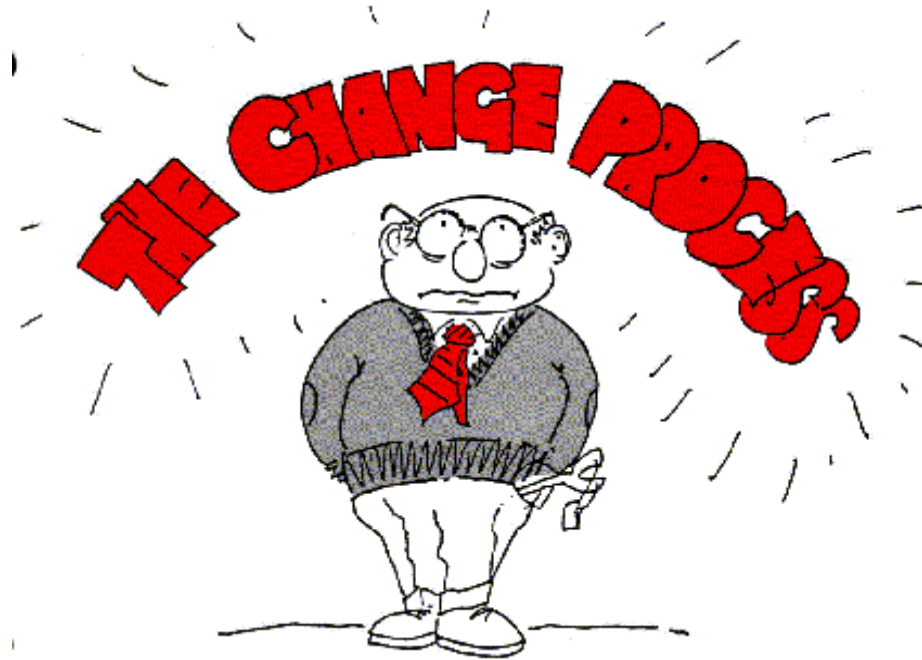
Concurrent Testing



Agile Test Result								SDS QA Test Result	
Iteration	User Story	Defect			Issue			Test Version	관련 Defect
		발생결함	기각	조치	발생이슈	기각	조치		
1		1	0	1	1	0	1		
		0	0	0	0	0	0	Client : 2.1.1.AC-SEC.12 (Build 101222)	0
		2	0	2	0	0	0		
		0	0	0	0	0	0		
		0	0	0	1	1	0	Client : 2.1.1.AC-SEC.12 (Build 101222)	0
		1	1	0	0	0	0		
		2	0	2	0	0	0		
2		0	0	0	0	0	0		
		0	0	0	2	0	2	Client : 2.1.1.AC-SEC.12 (Build 101222)	0
		1	1	0	0	0	0		
		3	2	1	0	0	0		
		2	0	2	0	0	0	Client : 2.1.1.AC-SEC.12 (Build 101222)	0
		1	0	1	0	0	0		
		2	0	2	0	0	0	Client : 2.1.1.AC-SEC.12 (Build 101222)	0
합계		15	4	11	4	1	3	합계	0

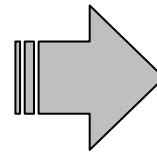
Retrospectives

Change Management



Retrospectives

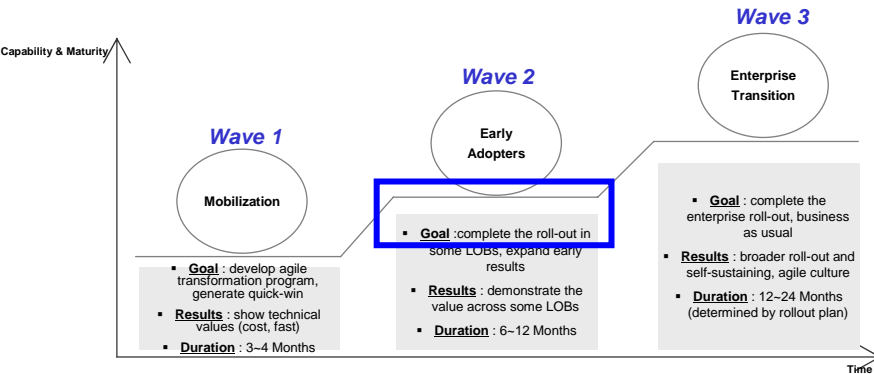
Command & Control => Servant Leadership



Wave 2 Goals and Objectives

Wave 2 will achieve complete roll-out in Mobile LOB, and expand Agile adoption over rest of LOBs by effective enablement, piloting, and measuring results

Recommended Enterprise Agile Transformation Approach



Wave 2 : Early Adopters

Goal

- Complete the roll-out in Mobile, expand early results to other LOBs

Objectives

- Continue to get the executive sponsorship and commitments
- Cultivate 40 agile coaches
- Improve agile infrastructure (COE, process, tool)
- Demonstrate measurable values



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QUESTIONS

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