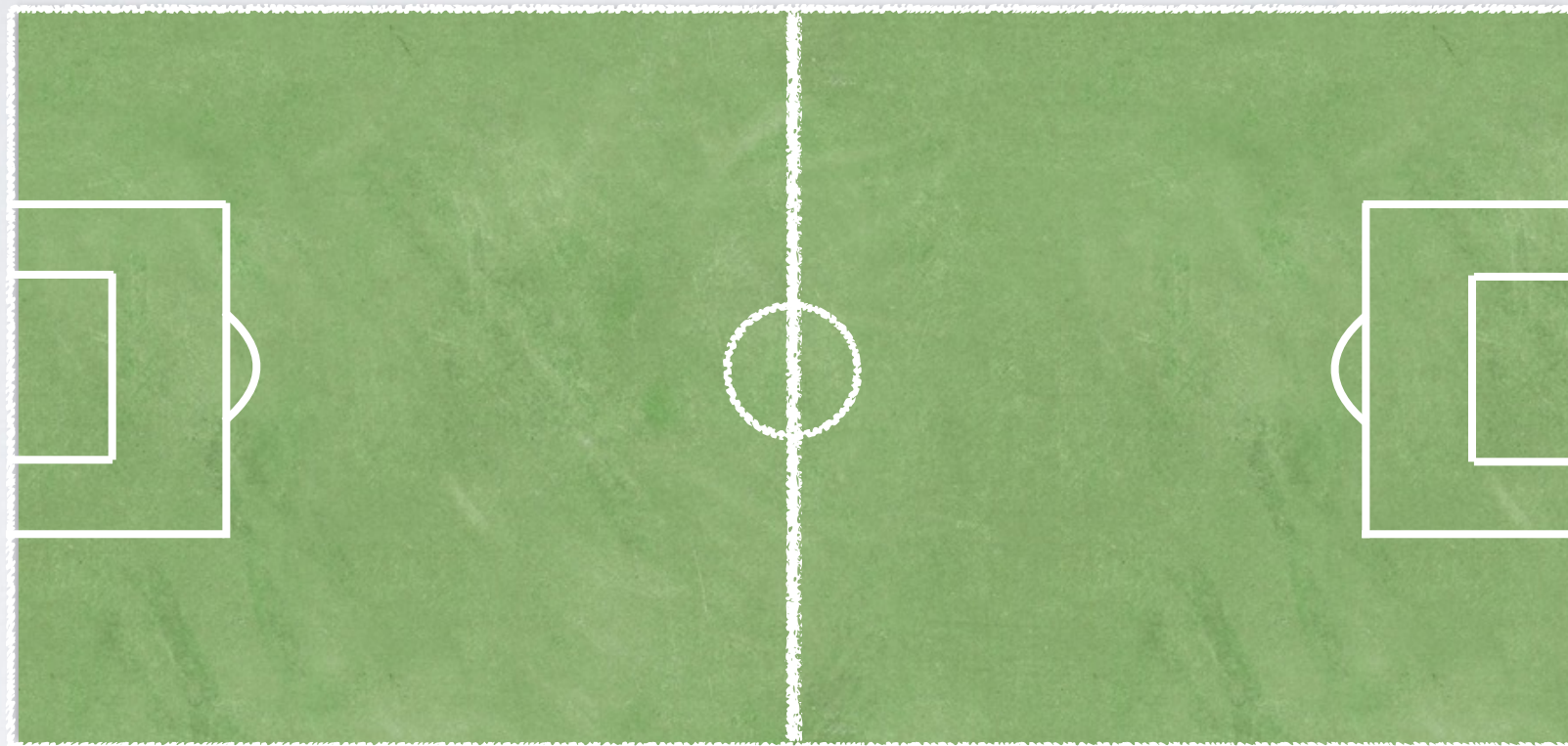


BETTER SAFE THAN SORRY

by
Mette Bruhn-Pedersen

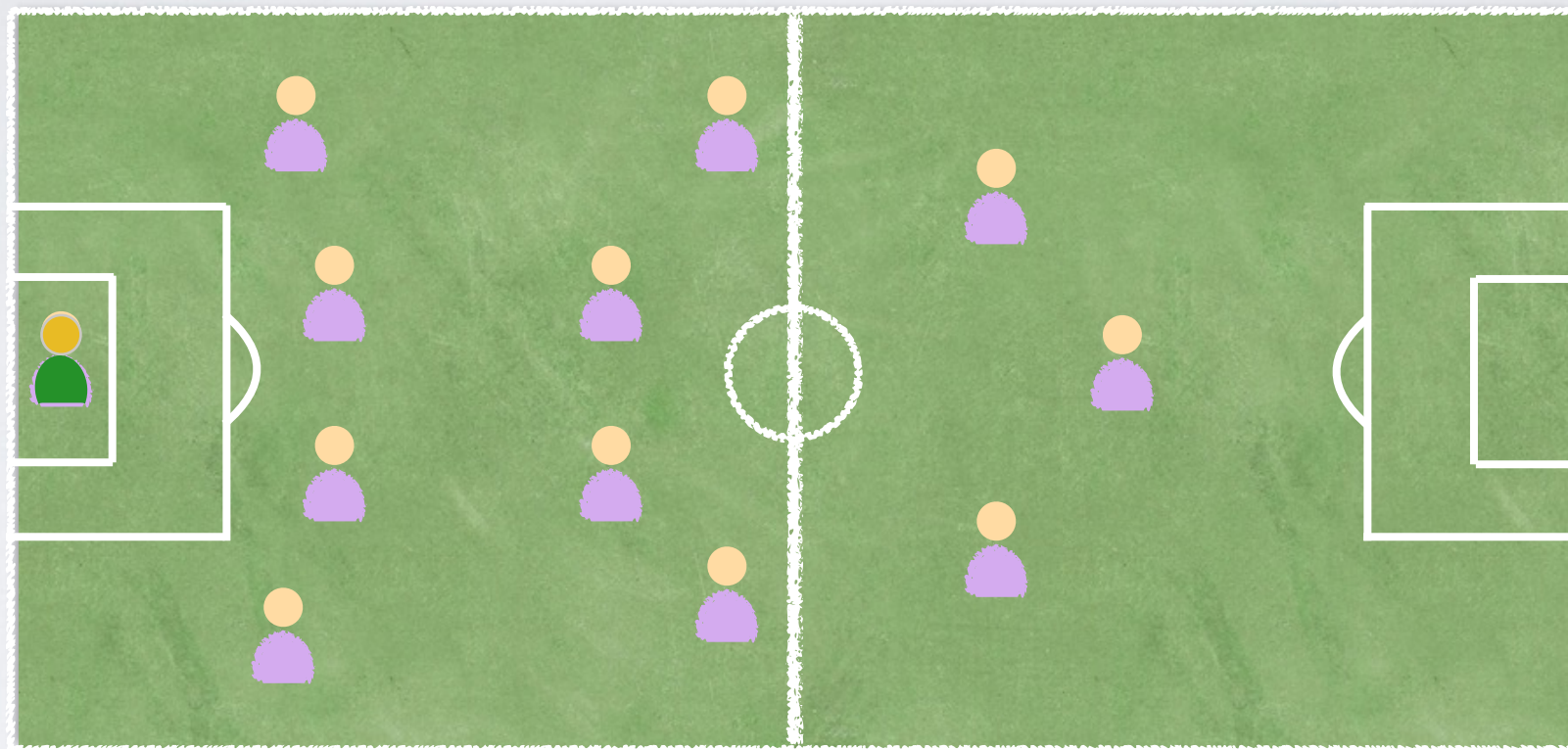
French Testing Days 2018 - 10th Edition
Le Beffroi de Montrouge, Paris
April 10, 2018

THE ROLE OF TESTING PROFESSIONALS TODAY



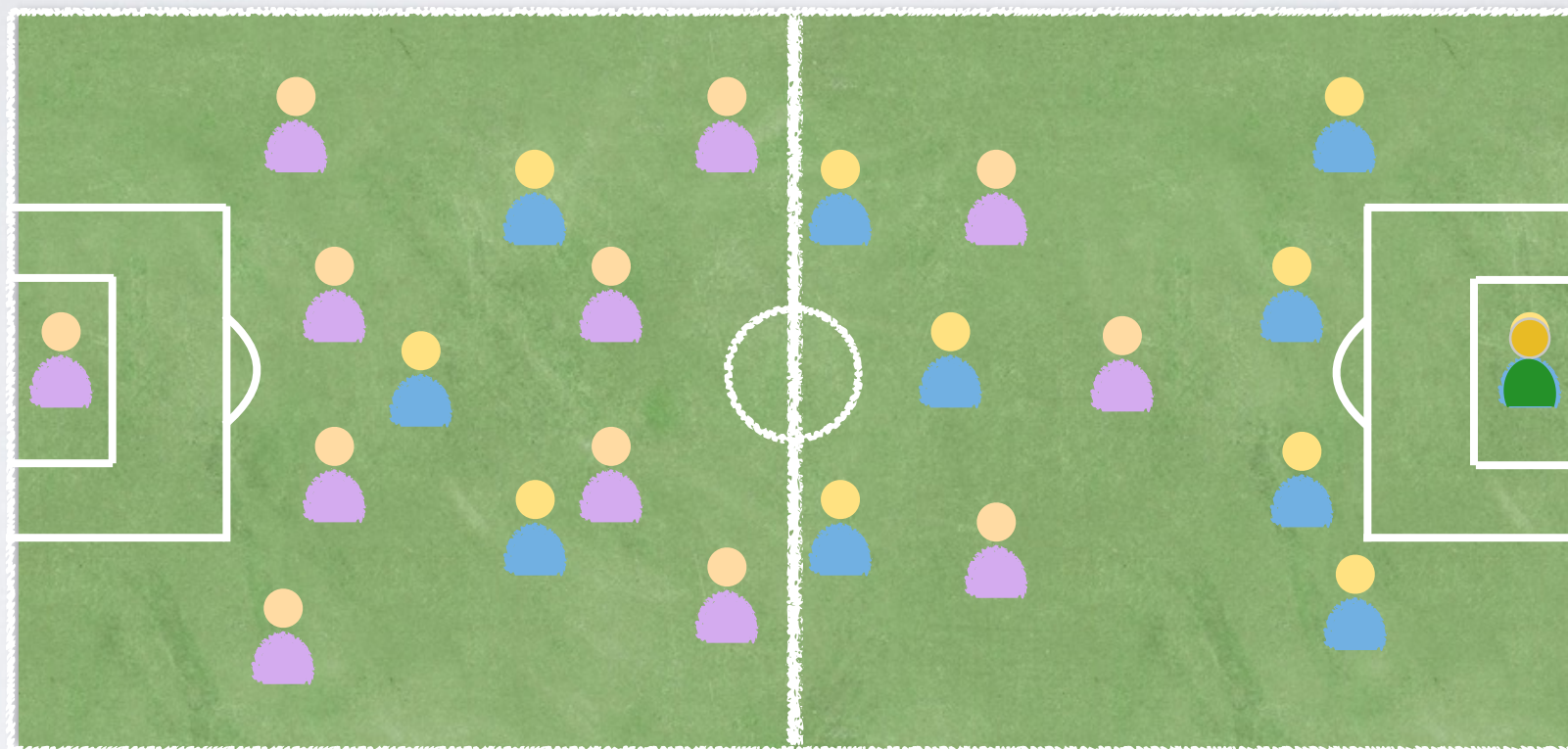
The “Messi”s, “Ronaldo”s, and “Eriksen”s in
software development?

BEST CASE?



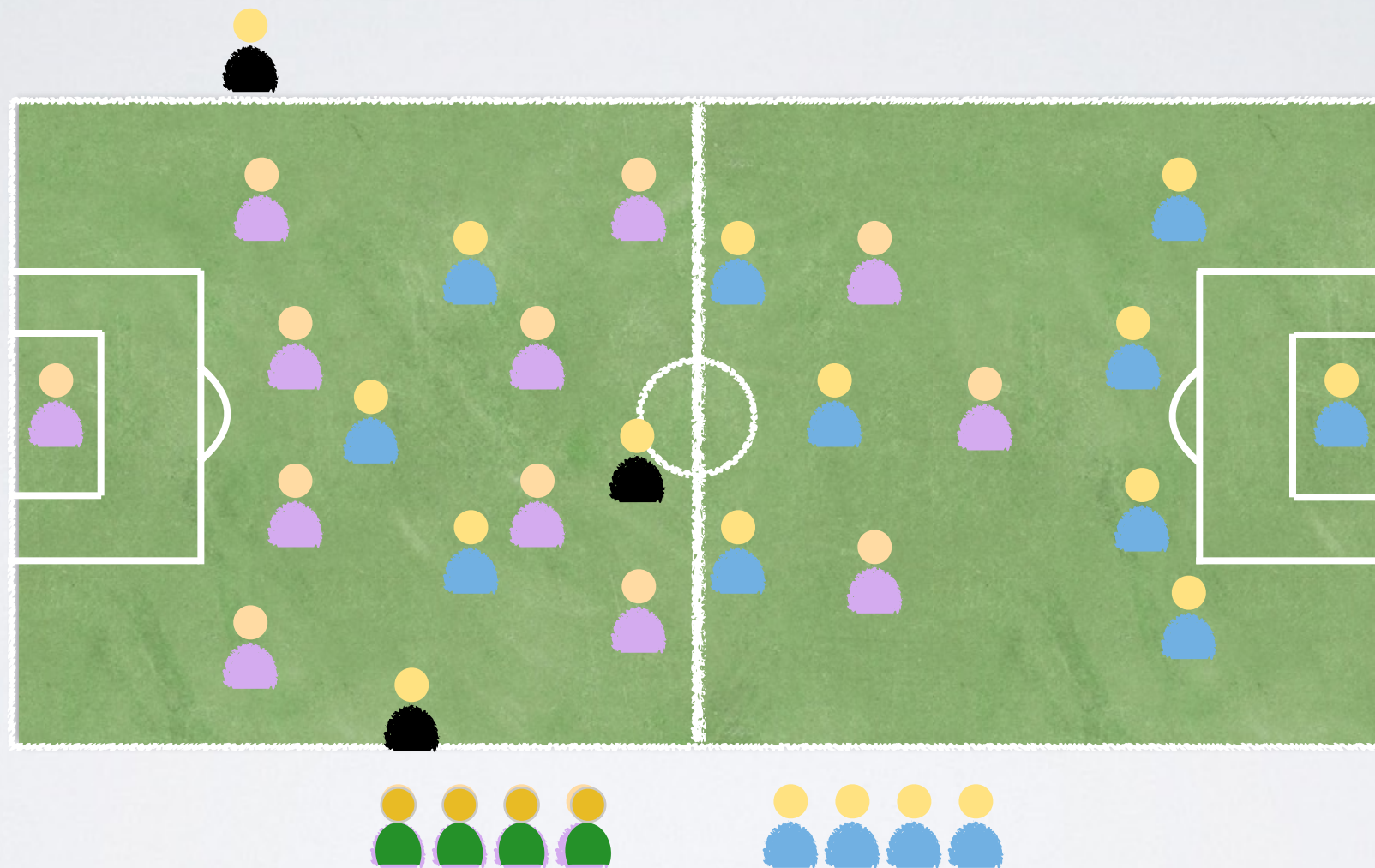
Forward, playmaker, midfielder, defender or
goalkeeper - last defence

WORST CASE?



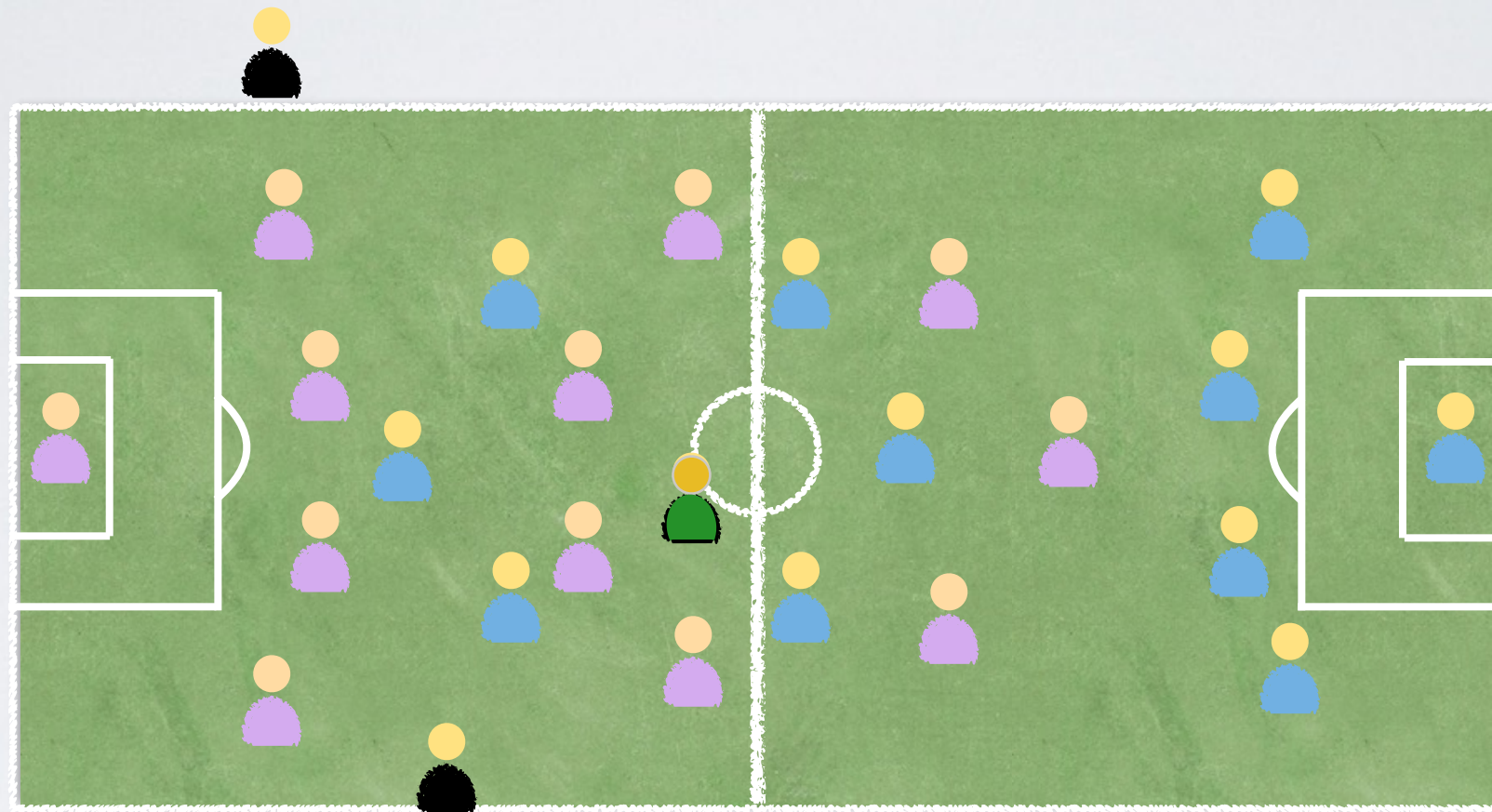
Playing on the opponent's team

COMMON CASE?



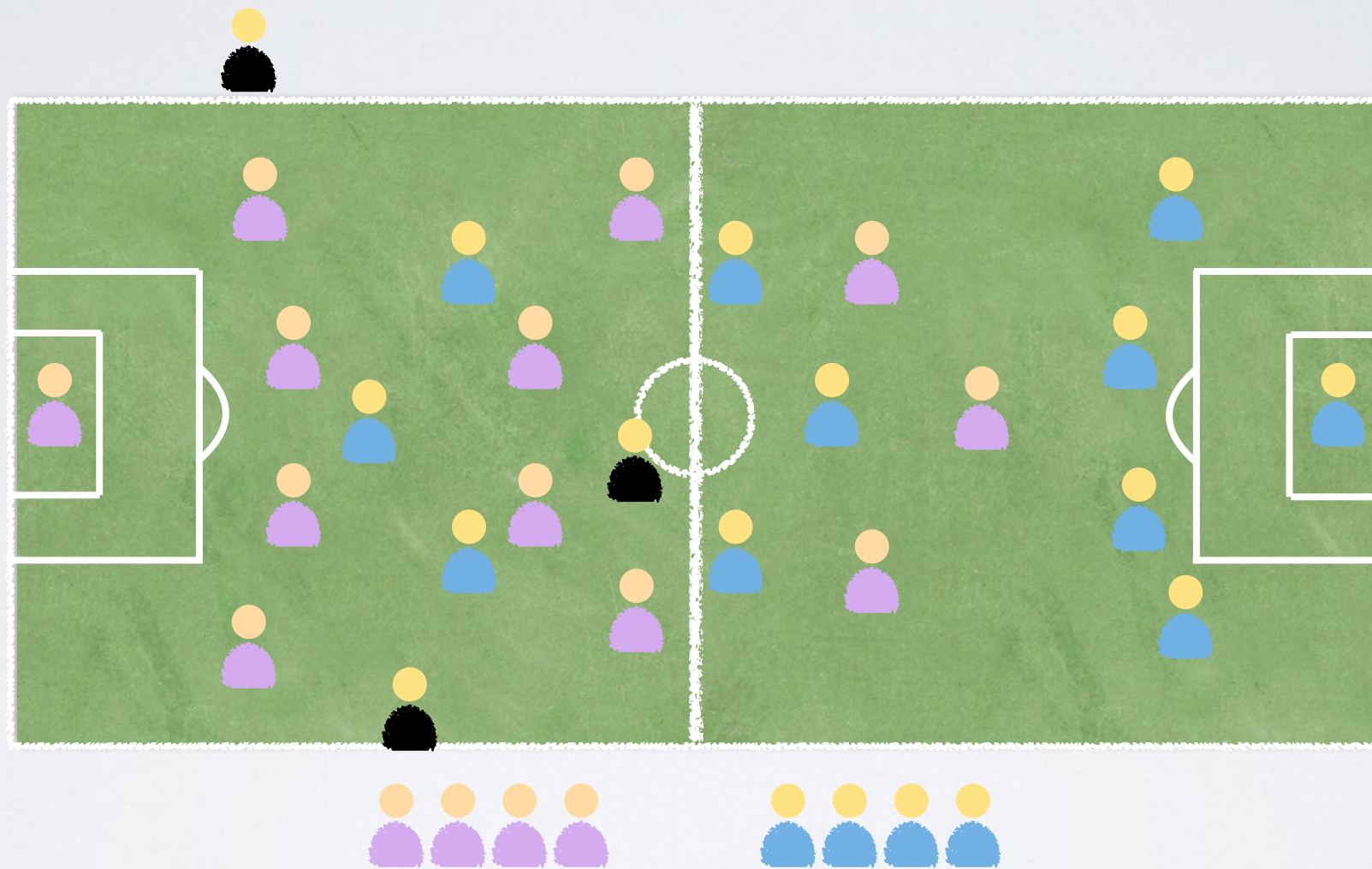
Part of the team but mostly waiting and watching
from the side line

DREAM ROLE?



Mandate to stop foul play - ensure everyone plays by the rules

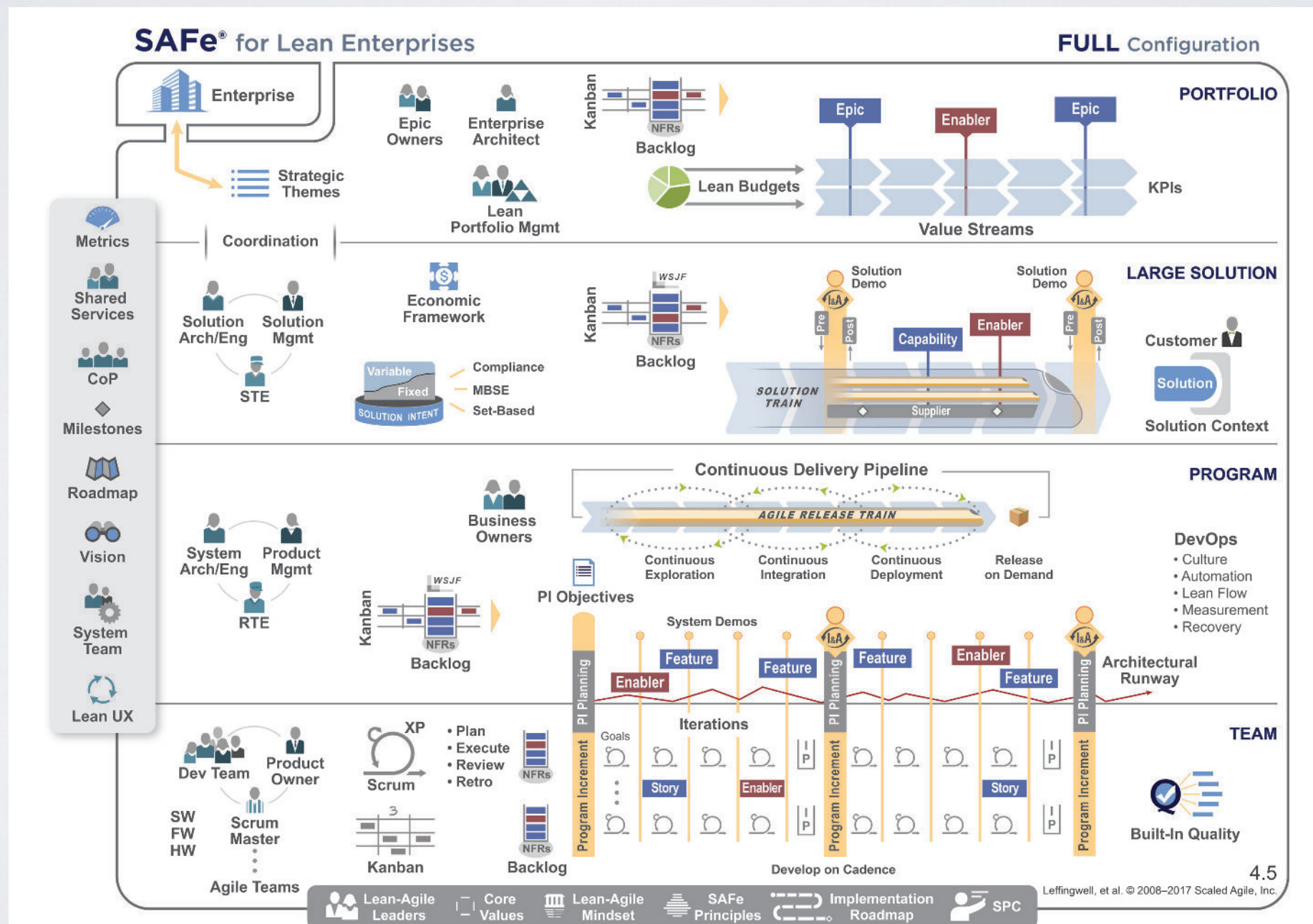
THE EXCEPTION?



Spectator - no longer part of the game

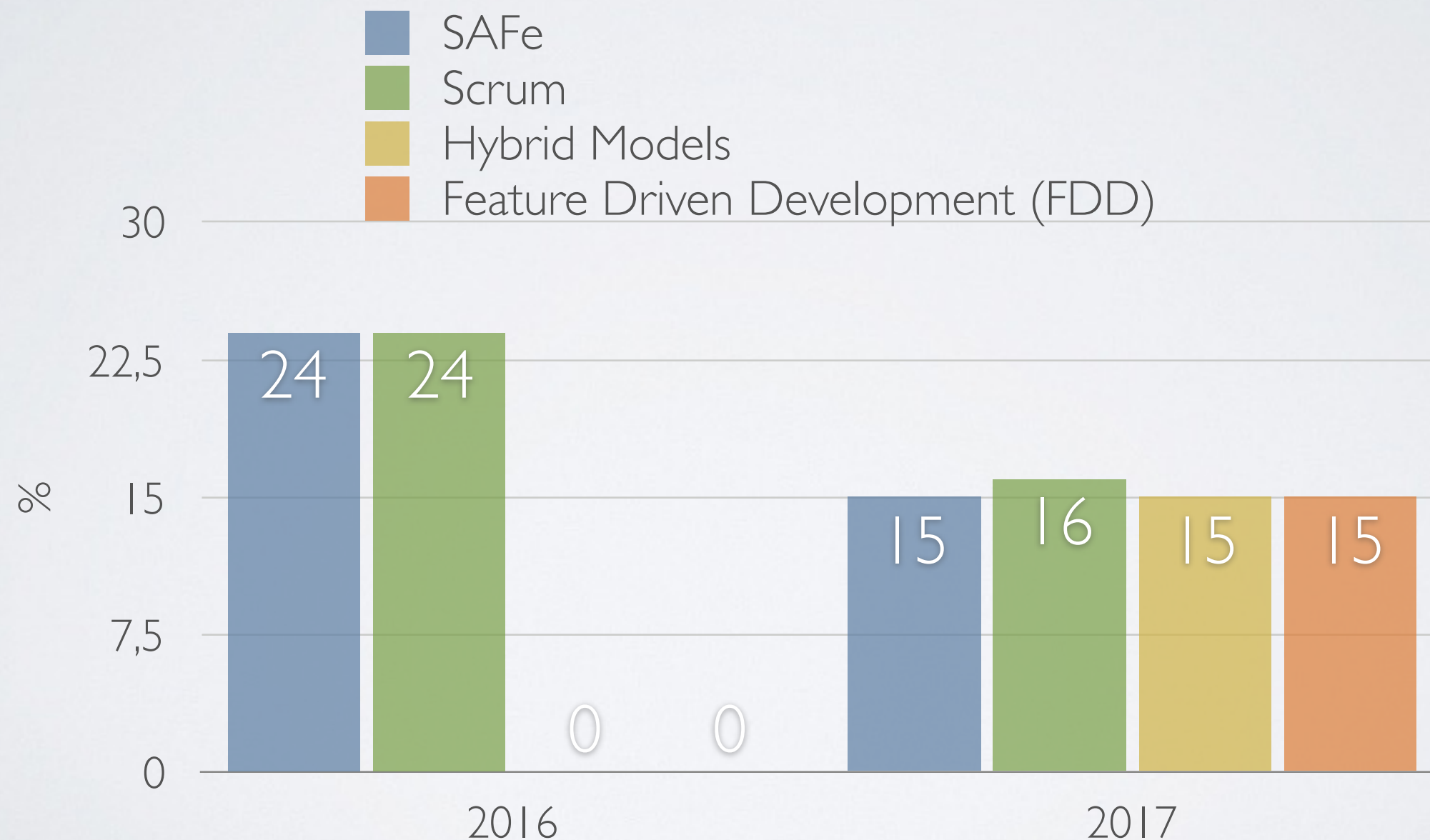
THE NEW PLAYING FIELD

Scaled Agile Framework for Lean Enterprises

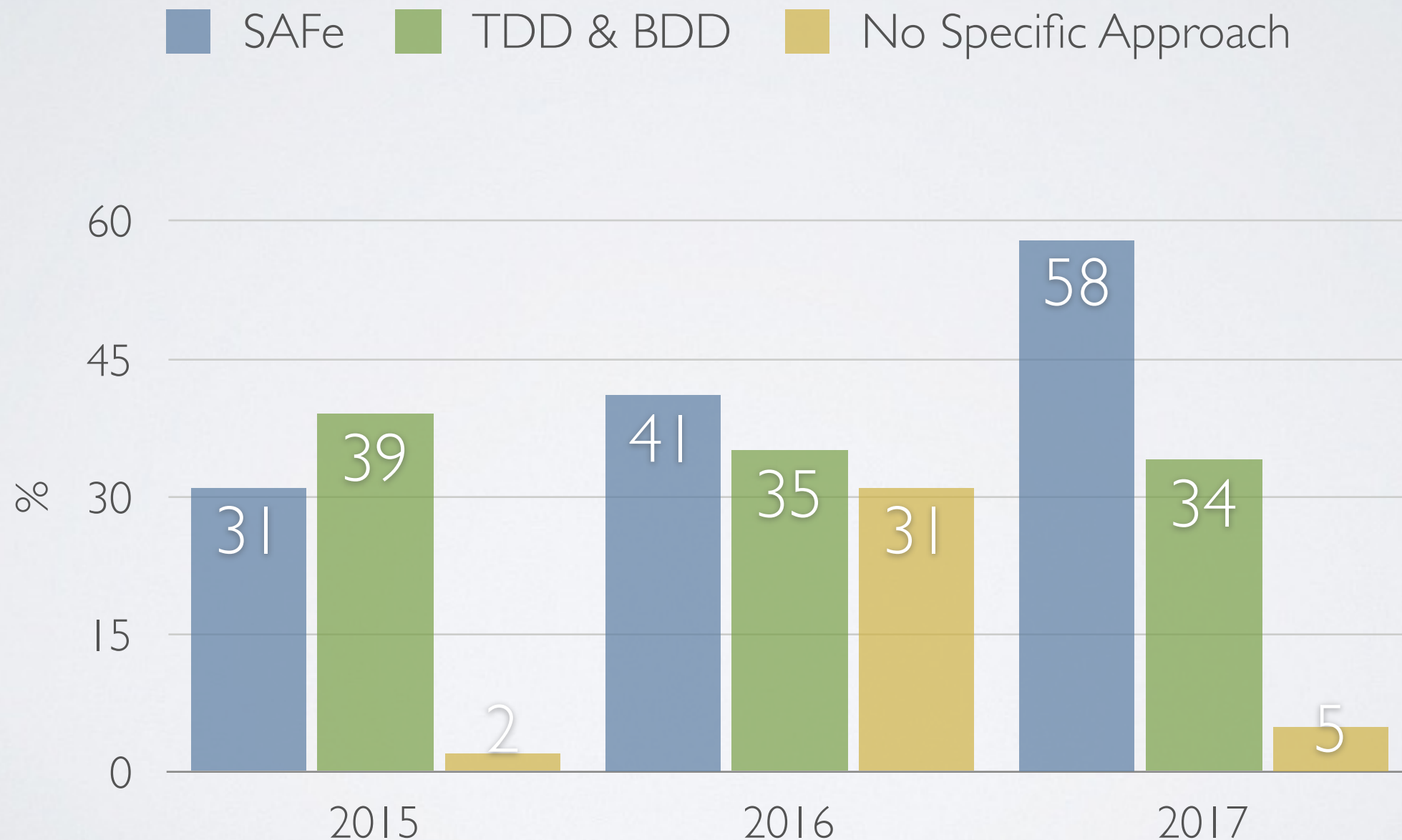


<http://www.scaledagileframework.com>

According to World Quality Report 2017-18 most organisations have adopted some form of Agile methodology for at least some of their projects



According to World Quality Report 2017-18 SAFe® has grown in popularity as an approach to testing in Agile



WILL THE ROLE OF TESTING PROFESSIONALS CHANGE?



- Combination of
 - New groundbreaking technologies
 - Acceleration in availability
 - Rethinking one's identity

Source: Jonathan Løw, Listen Louder

THE FIRST 3D PRINTED HOME



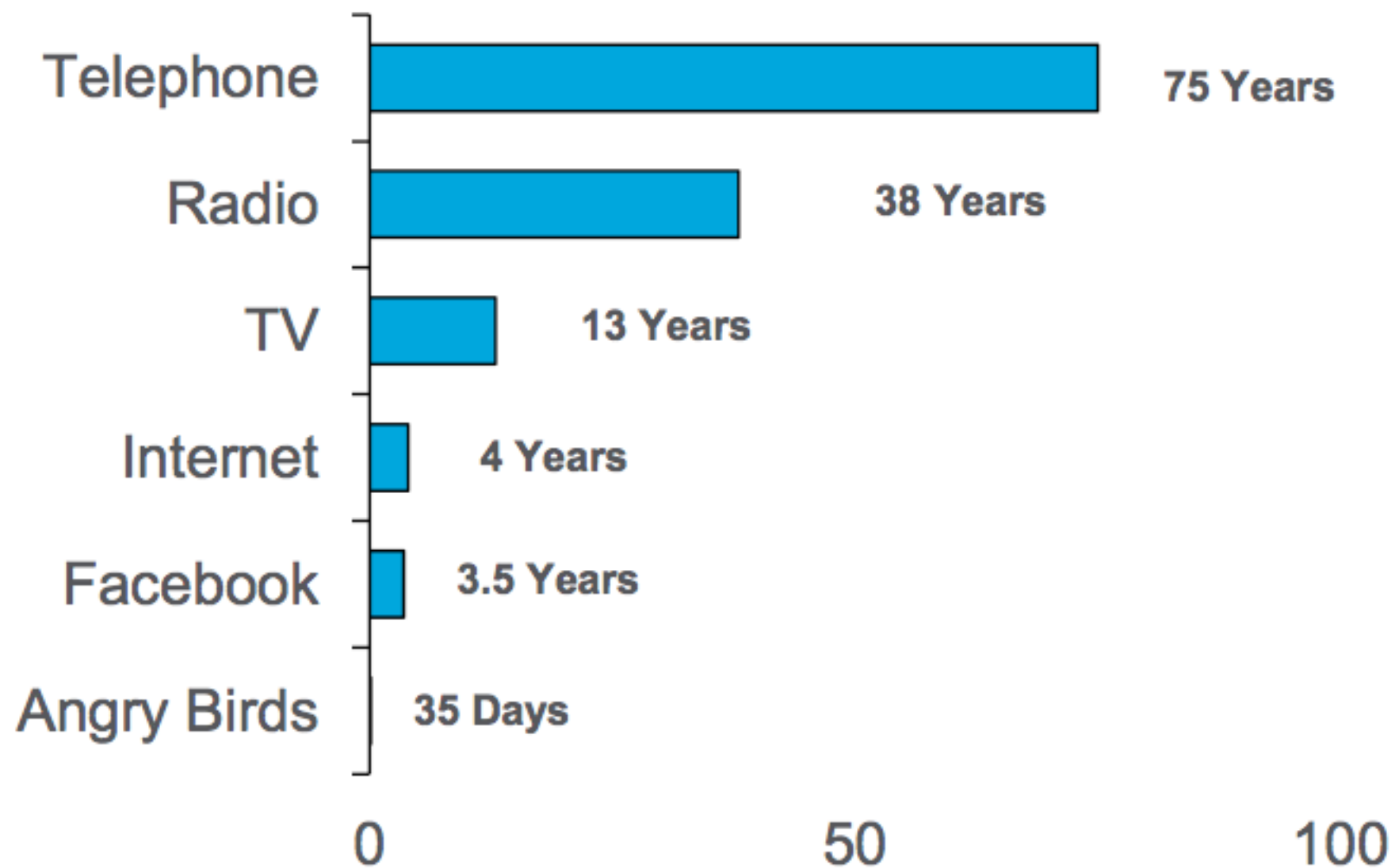
Traditional
Construction
£210,000
30 People
3 month

3D Print
£105,000
8 People
1 month

Source: Jonathan Løw and Susanne Odgaard

ACCELERATION IN AVAILABILITY

Figure 5. Time to reach 50 million users



Source: Citi Digital Strategy Team

RETHINKING ONE'S IDENTITY

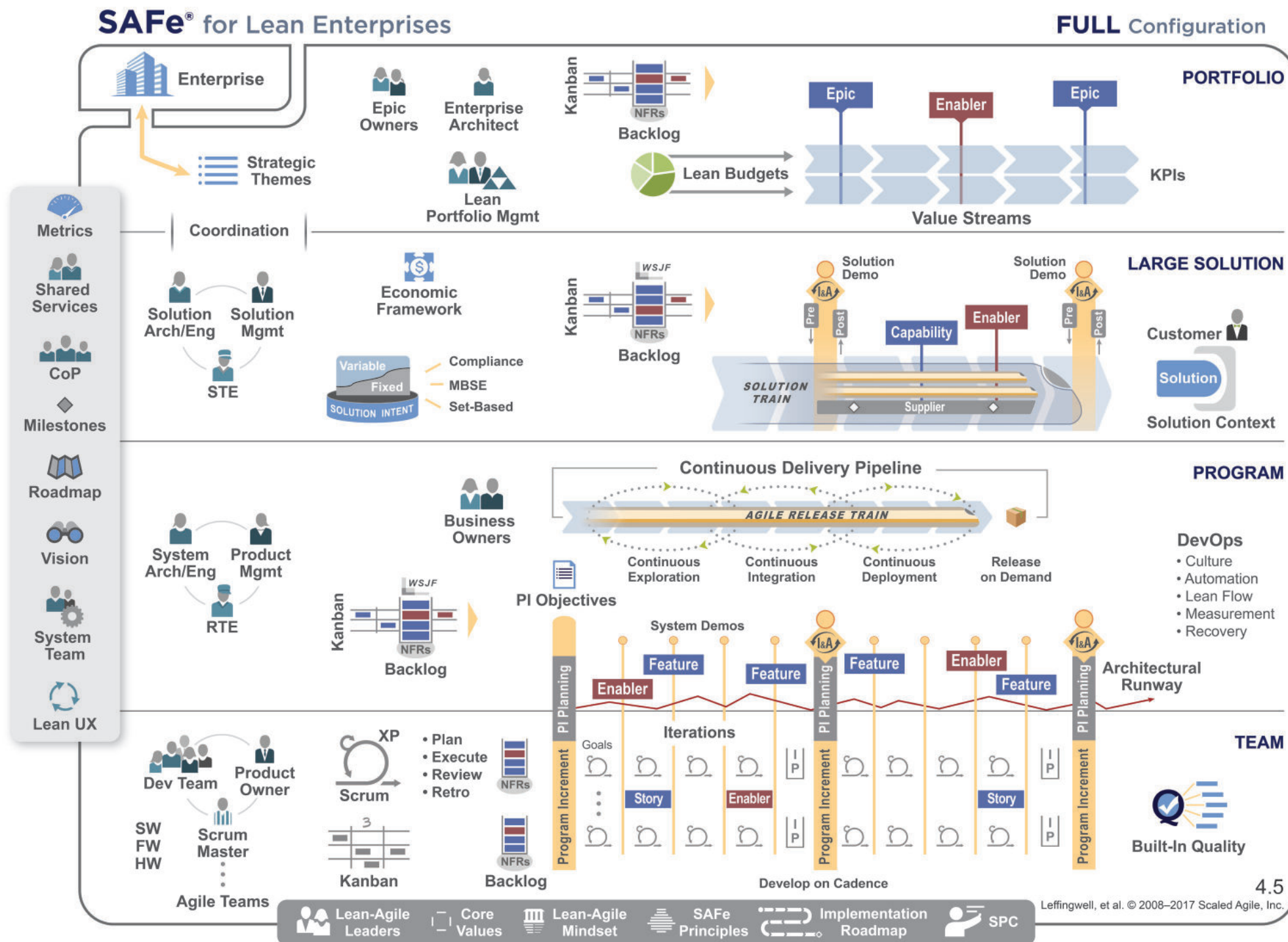
Volkswagen Group

“We are a globally leading provider of sustainable mobility”

IS THERE A
ROLE FOR
TESTERS IN
SAFE?



SCALED AGILE FRAMEWORK



SIMILAR ROLES

- BUT NO TEST MANAGER



Product
Owner

Team Backlog of user
stories



Product
Mgmt.

ART Backlog of
Features



Scrum
Master

Team Ways of
Working



Release
Train
Engineer

ART Ways of Working



Dev Team

Define, build, test and
implement solutions



System
Architect

Architectural runway
and technical excellence

SIMILAR EVENTS ON TEAM AND ART LEVEL

Plan

Iteration planning (2-4 weeks)

Execute

Daily Stand-Up

Demo

Review - User stories

Improve

Retro

Plan

Program Increment
Planning (8-12 weeks)

Execute

Scrum of Scrums & ART
Sync

Demo

System Demo - Features

Improve

Inspect & Adapt

PRECONDITIONS FOR AGILE TESTING IN SAFE®

Agile Testing in Agile Teams, incl good practices like:

- Testable acceptance criteria on user stories
- Review and early feedback on everything
- Test-First Approach
- Automated delivery and deployment
- Decent coverage by automated tests on all levels, not just unit/component
- Exploratory testing
- Testing in the same iteration

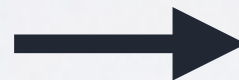
CONTRIBUTING TO PI PLANNING

- All people on the ART and relevant stakeholders meet face-to-face for 2 days to plan the next Program Increment (PI)
- The plan is documented on the Program Board






	Sprint 1 PI 1	Sprint 2 PI 1	Sprint 3 PI 1	Sprint 4 IP PI 1	PI 2 >>
Milestones/Events					
Team 1					
Team 2	The Program Board shows: <ul style="list-style-type: none">• Dependencies• Feature Delivery• Milestones				
Team 3					
Team 4					
Team 5					
Team 6					
Deliveries to or from others (e.g.,suppliers, other ARTs)					

ADDING TO THE FRAMEWORK

Dedicated swim lane for larger or more complex testing activities, e.g., Release Testing



		Sprint 1 PI 1	Sprint 2 PI 1	Sprint 3 PI 1	Sprint 4 IP PI 1	PI 2 >>
Business Releases/ Milestones	Segment 1					
	Segment 2					
Technical Releases						
Release Testing						
Team 1						
Team 2						
Team 3						
Team 4						
Team 5						
Team 6						
Deliveries to or from others (e.g., suppliers, other ARTs)						

	= Feature		= Business Release		= Release Testing
	= Dependency		= Technical Release		

BETTER SAFE THAN SORRY

- Rethink our identity as testing professionals
- Contribute to frameworks like SAFe
- Improve testing practices using tools and technologies



CONTACT DETAILS

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