

# Experiences with the use of Essence at the Federal Government in Brazil

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# Agenda

- ◉ Digital Government
- ◉ Application Development Pillars
- ◉ The Solutions Delivery Process (PES)
- ◉ PES powered by Essence
- ◉ First Cases and Results
- ◉ Next Steps

# Digital Government

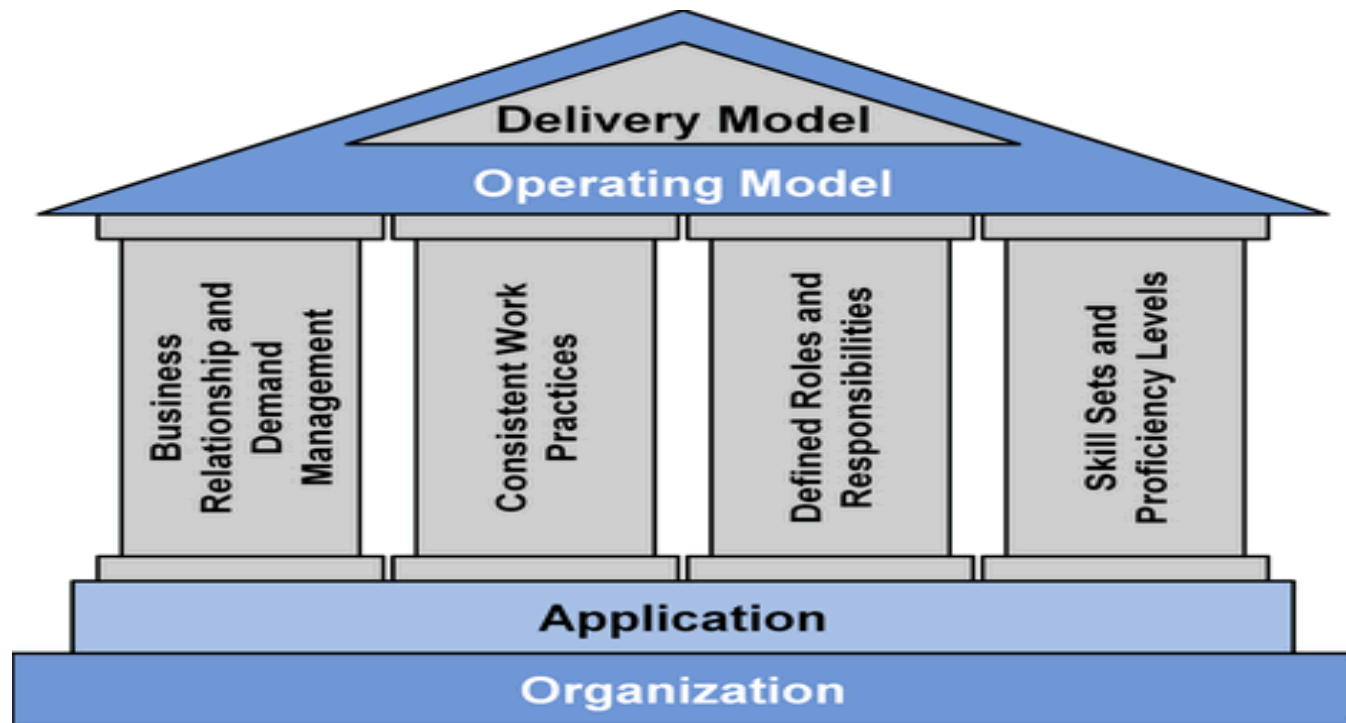


# Digital Government

- Engaging Citizens
- Connecting Agencies
- Resourcing Operations

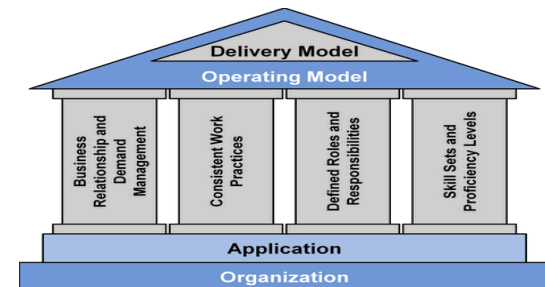


# Application Development Pillars

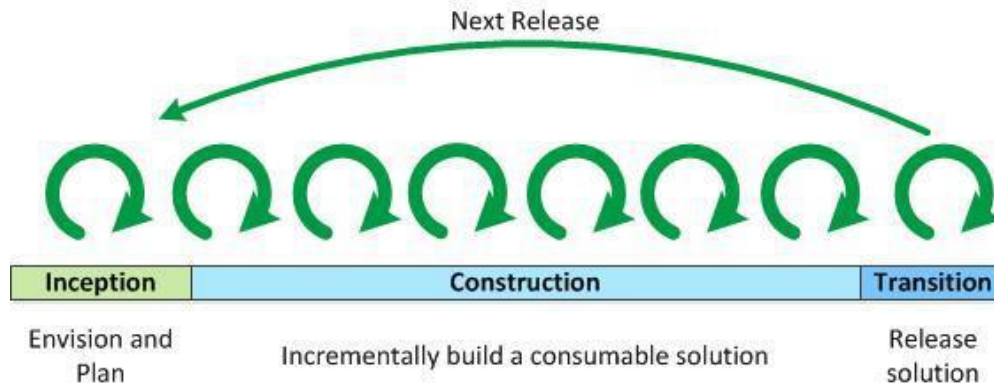


# Application Development Pillars

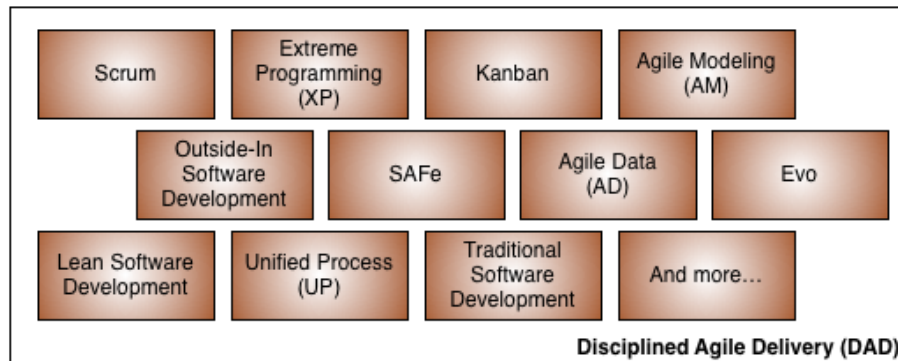
- Business Relationship and Demand Management
- Consistent Work Practices
- Defined Roles and Responsibilities
- Skill Sets and Proficiency Levels



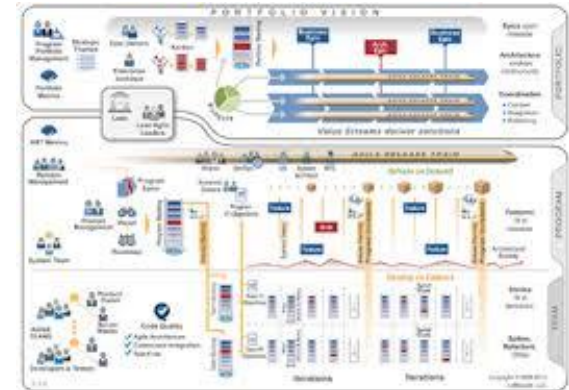
# Solutions Delivery Process (PES)



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# PES 0.1 – The Tacit Approach

Challenges and Opportunities:

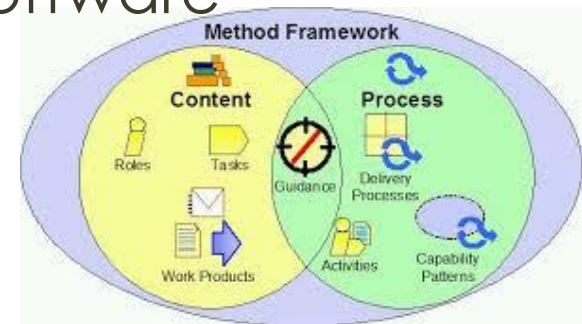
- Lack of a formal description
- Difficult to model and manage application development sourcing contracts
- Difficult to scale teaching and dissemination
- Difficult to establish a consistent governance model for internal and external actors



# PES 1.0 – The SPEM/EPF Approach

## Challenges and Opportunities:

- Activity oriented (not Practice oriented)
- Difficult to evolve iteratively
- Description too detailed and technical
- Software Process analysis paralysis
- Low engagement from non software process engineers



# PES 2.0 – The Semat/Essence Approach

## Challenges:

- Current Public IT Acquisition Framework
- Paradigm shift to Goal Orientation
- Restricted Tool Support
- Semat and Essence not known in Brazil

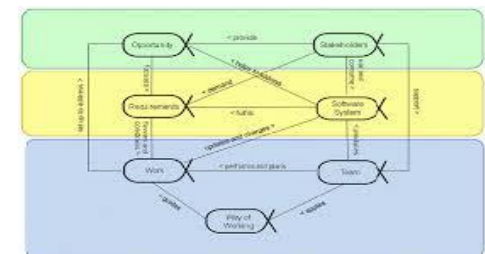
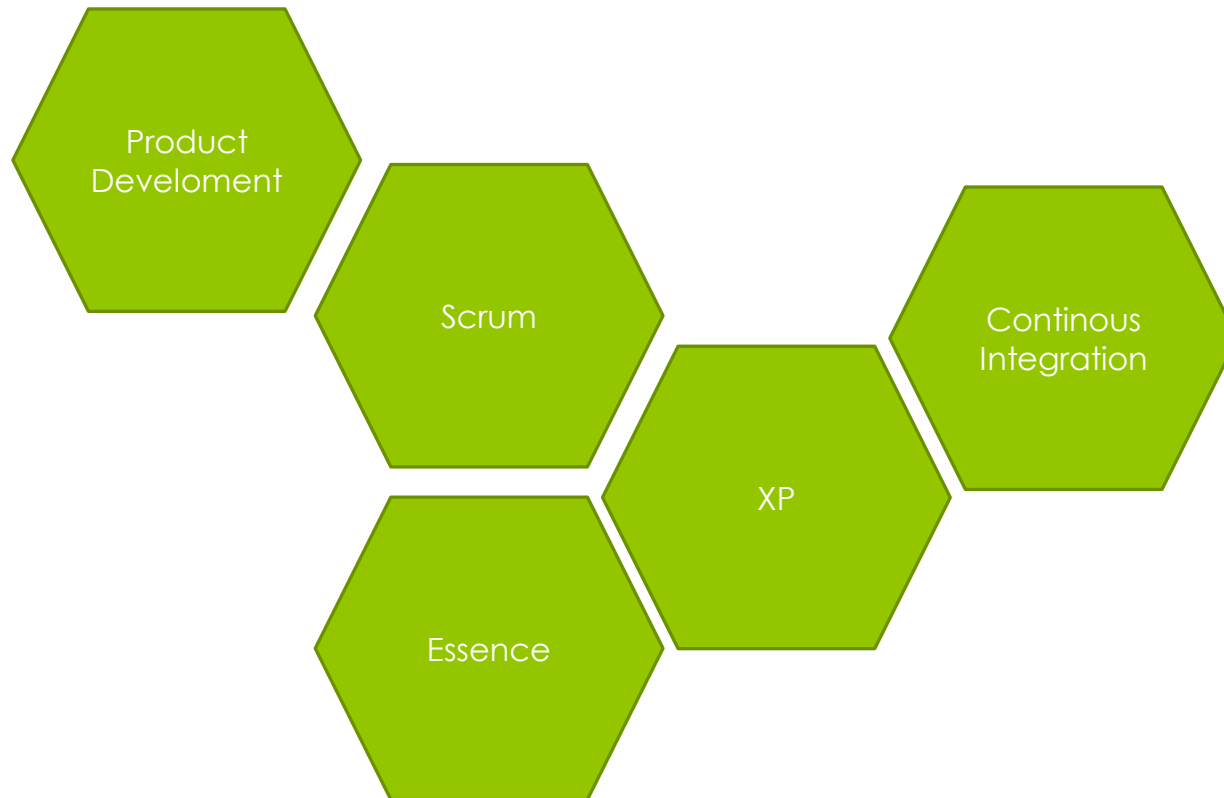


Figure 4 – The Kernel Alphas

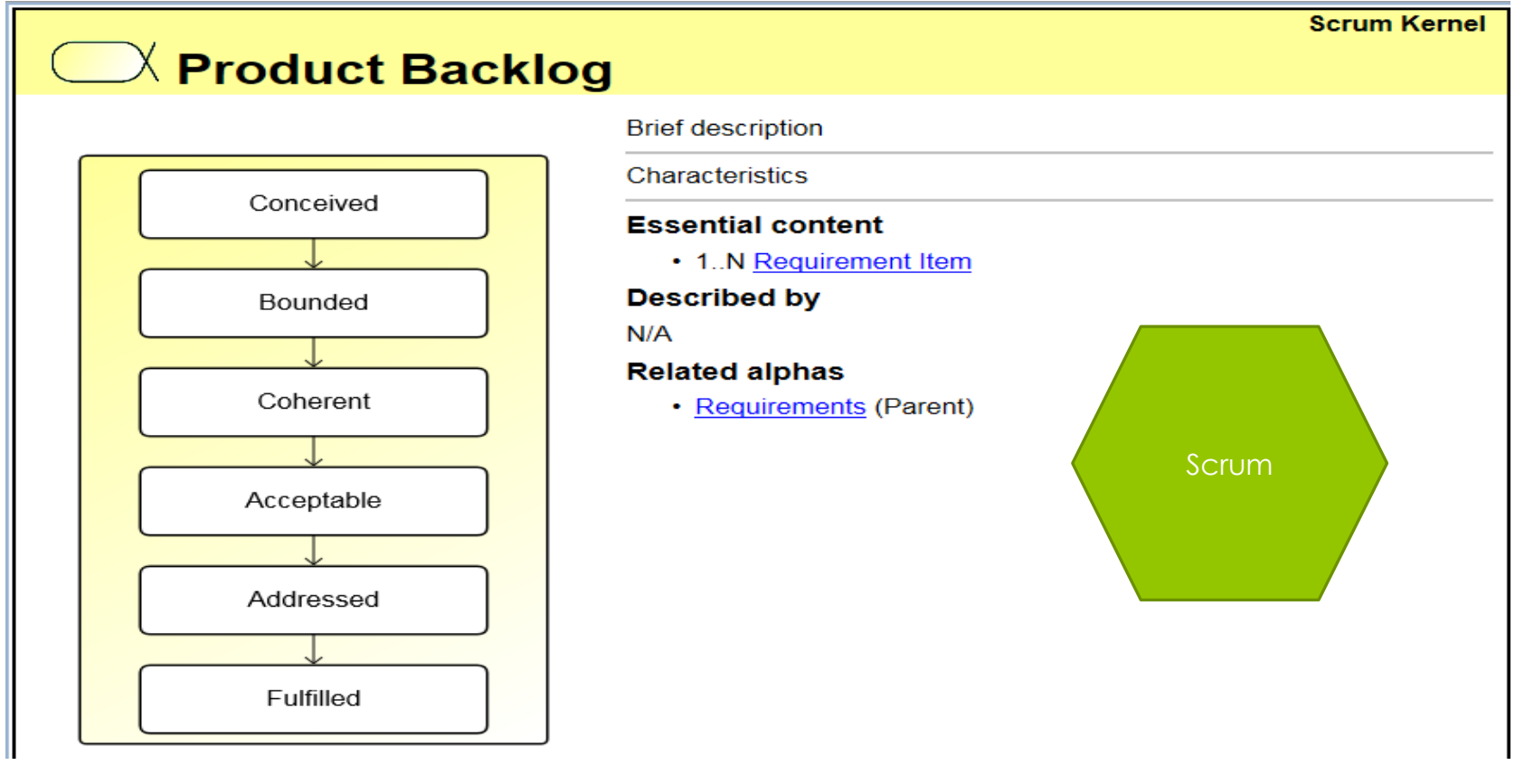
# PES powered by Essence

- PES Kernel Extensions
- PES Practices
- Method Publishing (PES 2.0 Portal)
- PES Physical Deck of Cards
- Gamified Training (Lego4Scrum + Essence Cards)

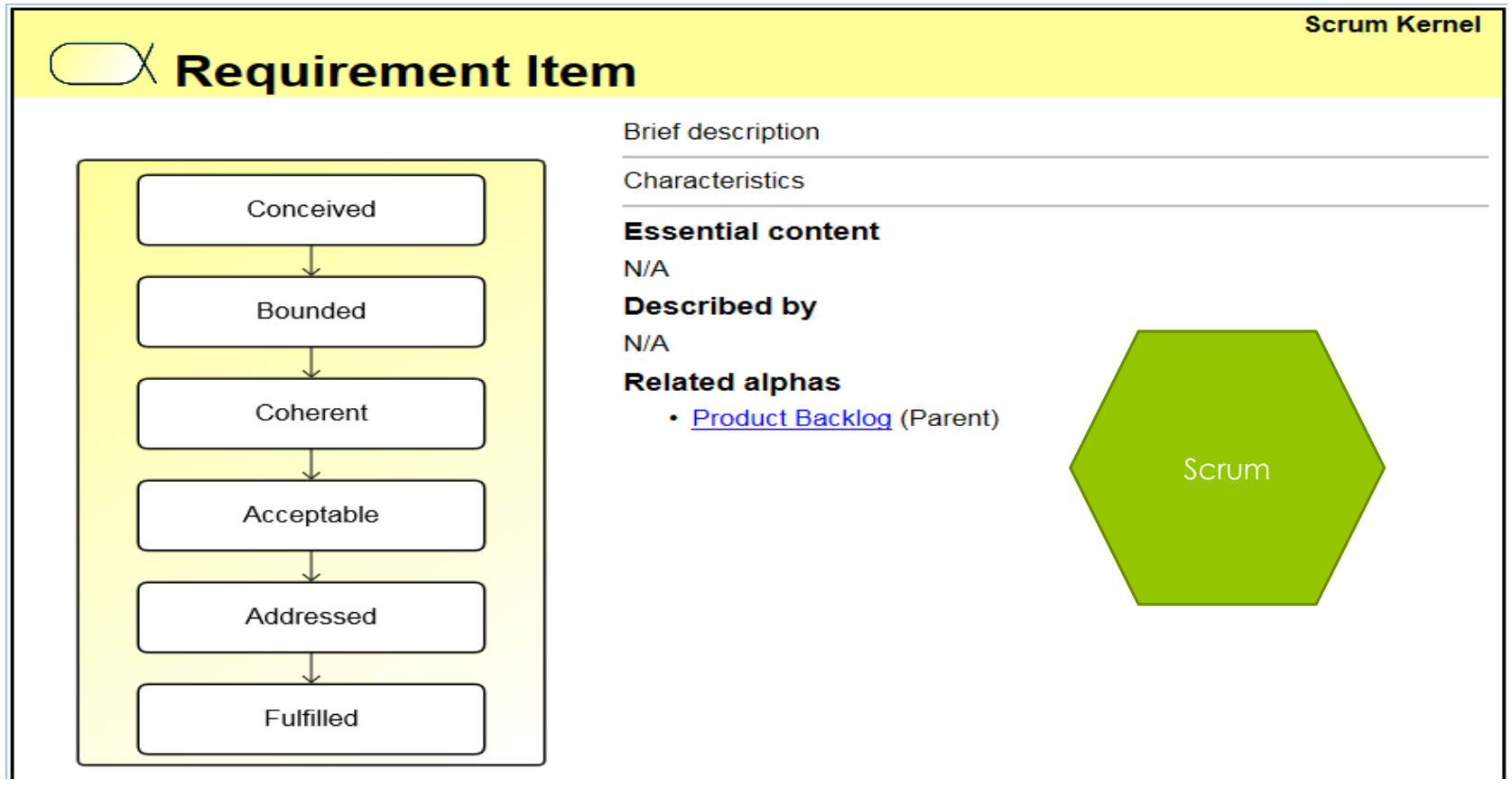
# PES powered by Essence – Kernel Extensions and Practices



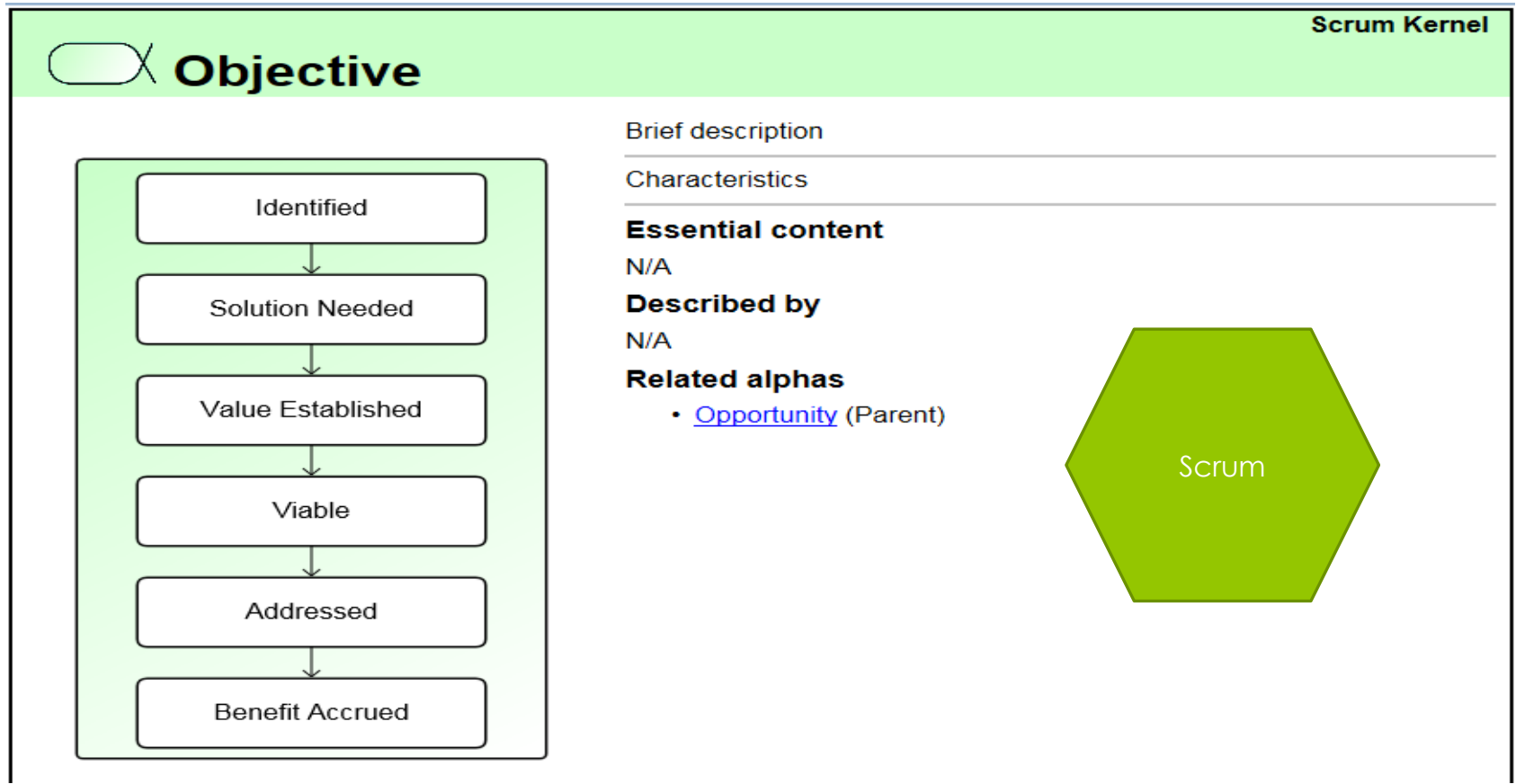
# PES powered by Essence – Scrum Kernel Extension



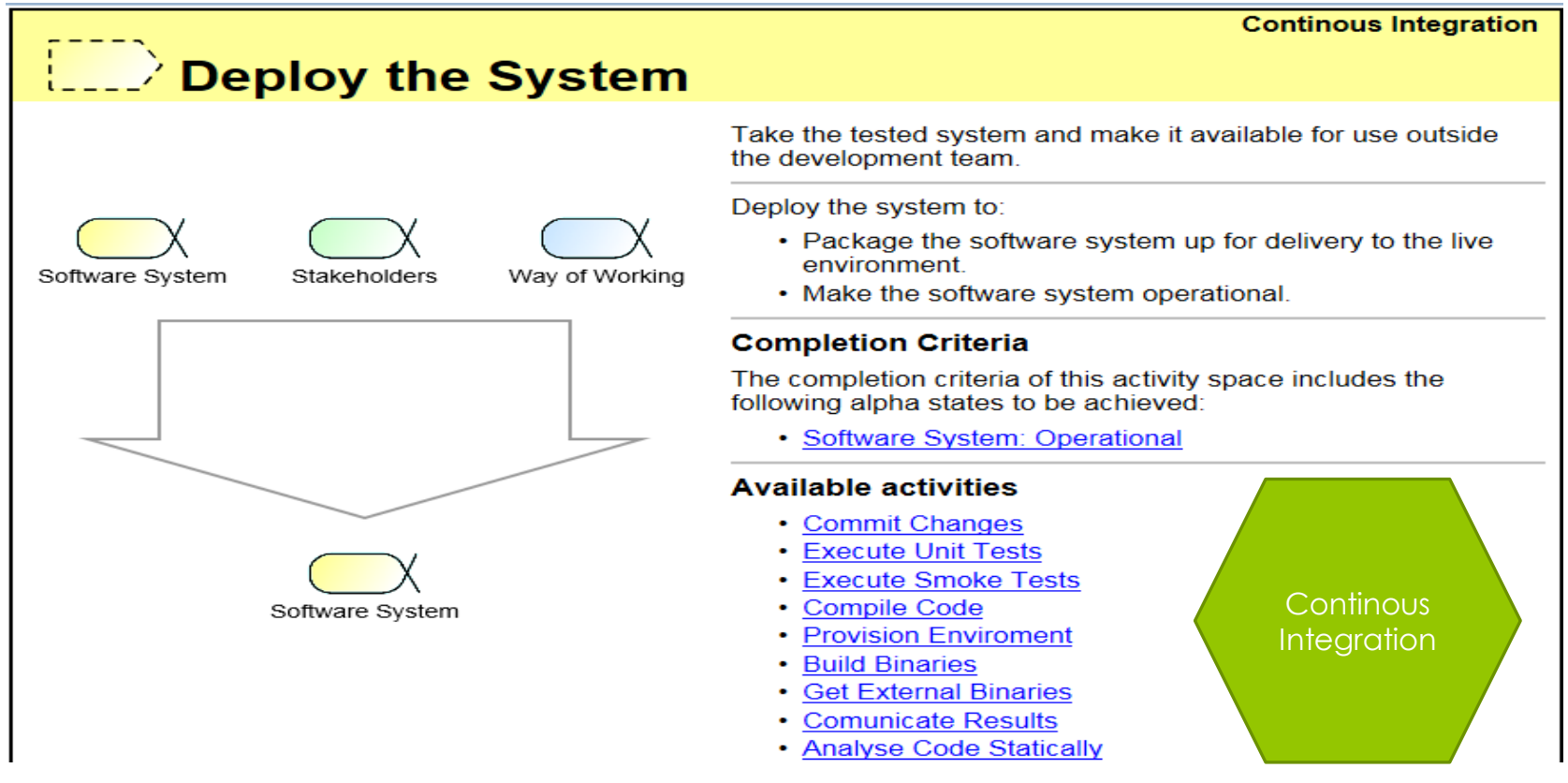
# PES powered by Essence – Scrum Kernel Extension



# PES powered by Essence – Scrum Kernel Extension

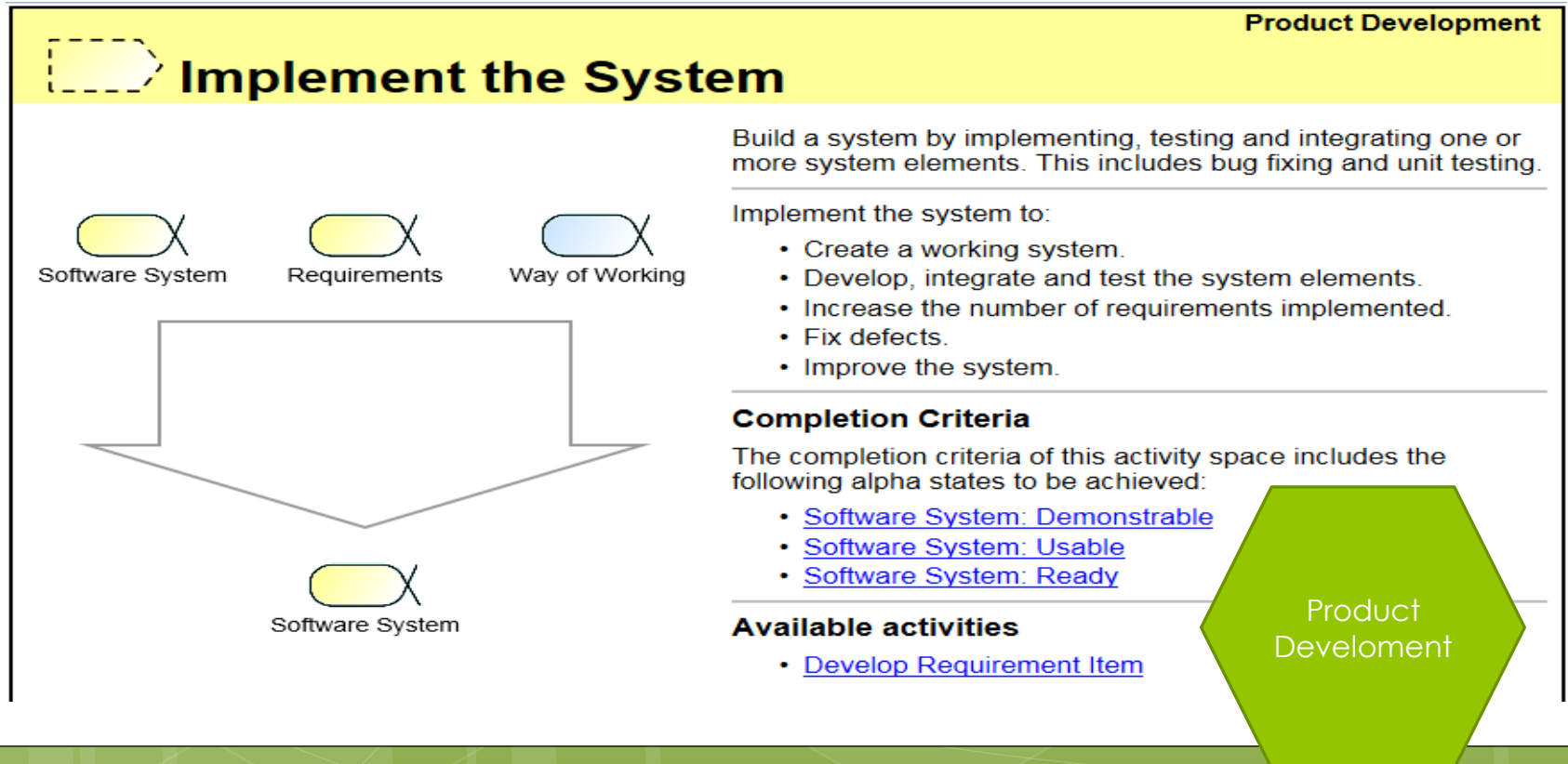


# PES powered by Essence – Continuous Integration Practice

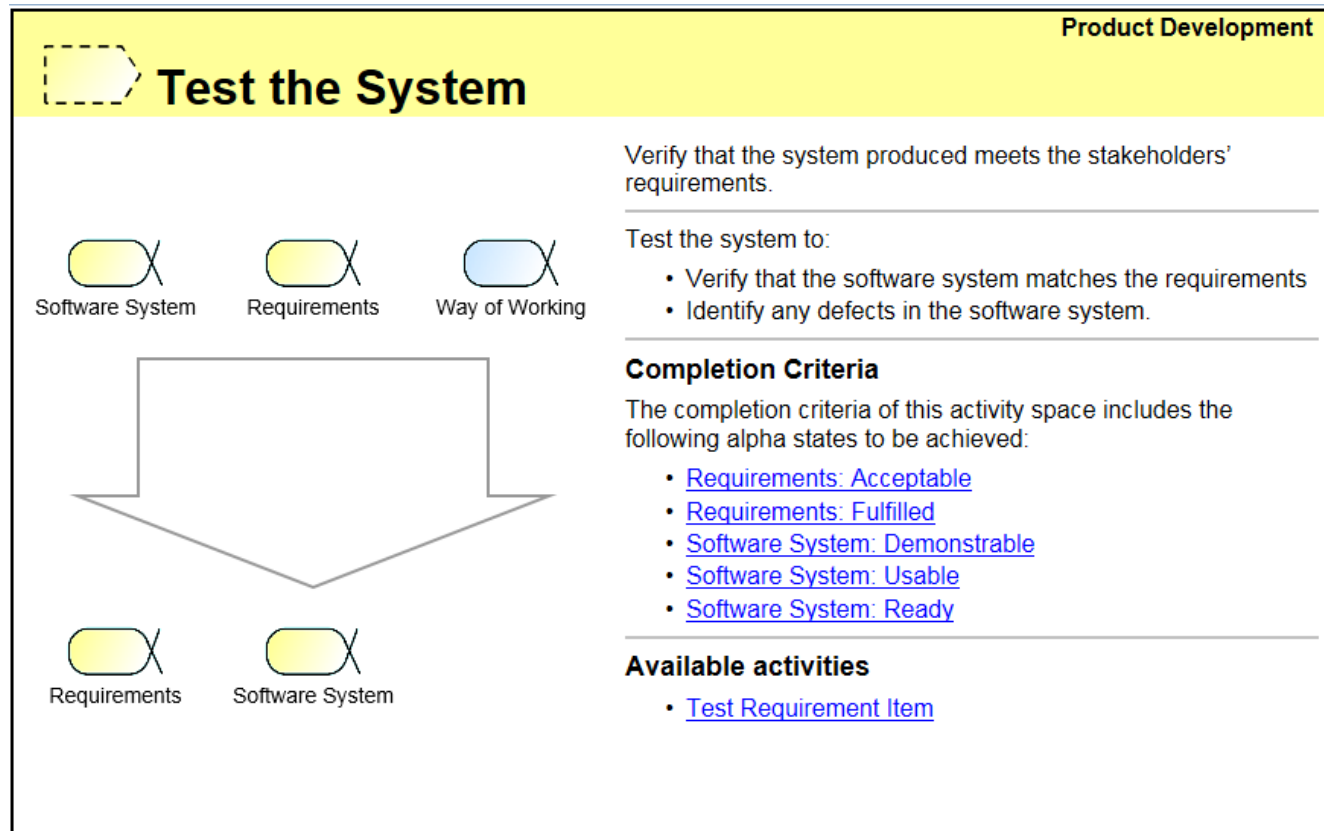




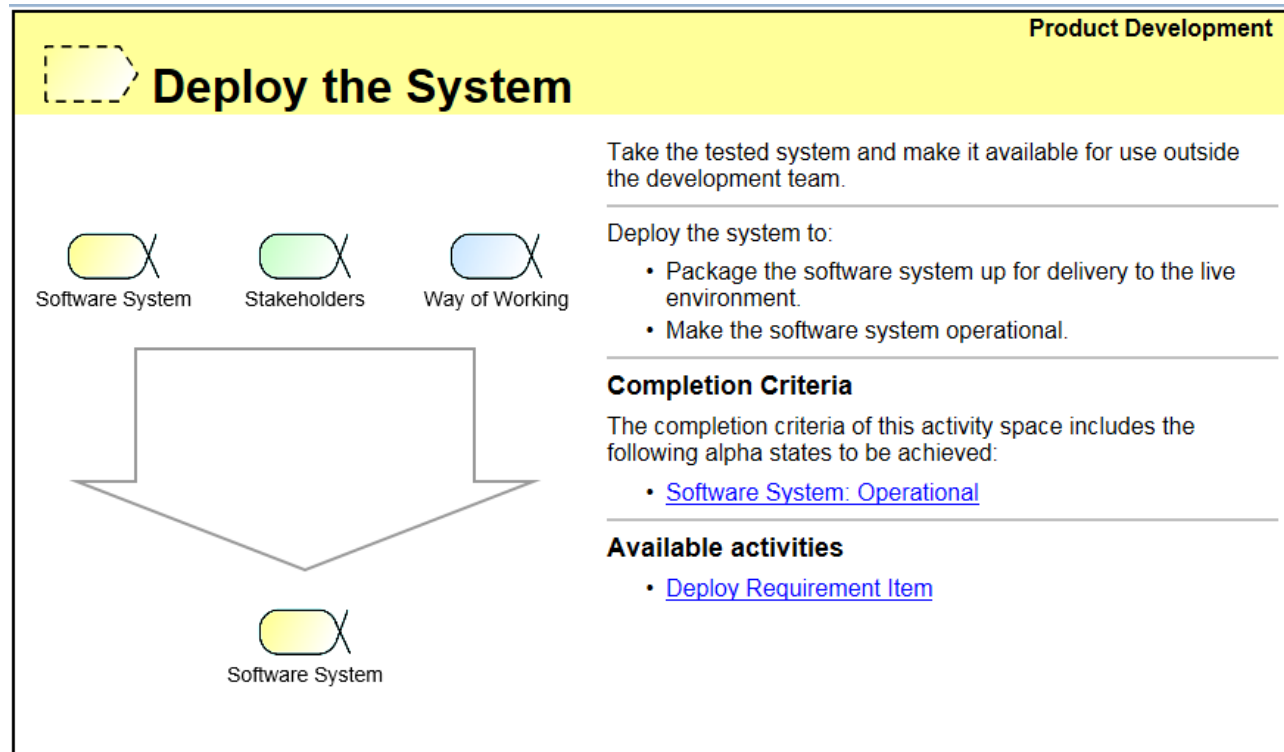
# PES powered by Essence – Product Development Practice



# PES powered by Essence – Product Development Practice



# PES powered by Essence – Product Development Practice



# First Cases and Results

- PES 2.0 Healthy Indicators use by the Project Management Office
- PES 2.0 Training, Tailoring and Enactment in the Brazilian Army
- PES 2.0 Training for Outsourced Application Development Providers
- PES 2.0 review by the Software Engineering Department of the Federal University of Rio de Janeiro (UFRJ)

# Next Steps

- ◉ Alignment with Public IT Regulation Authorities
- ◉ Public IT Acquisition Framework Refactoring
- ◉ Gradual Roll Out (internal and external)



# Thank you!

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