

Topics

- Product Development 2 Process Areas
- Technical Solution (TS)
- Product Integration (PI)
- Verification (VER)
- Validation (VAL)
- Product Development 2 Summary
- Exercise 4: Impact of an Engineering Change

Validation (VAL)

An Engineering Process Area at Maturity Level 3

Purpose

Demonstrate that a product or product component fulfills its intended use when placed in its intended environment.



Breaking into an Actual Home

When Validation Is Not Done Well...

There are arguments among the technical staff as to what the user really wants.

The released product does not meet user expectations.

Customers do not pay for products that do not meet their needs.

End users refuse to use the product as delivered.

Validation Goals

SG 1

Prepare for Validation

Preparation for validation is conducted.

SG 2

Validate Product or Product Components

The product or product components are validated to ensure they are suitable for use in their intended operating environment.

The process area also has generic goals to support institutionalization.

Validation Specific Practices

SG 1

Prepare for Validation

- SP 1.1 Select Products for Validation
- SP 1.2 Establish the Validation Environment
- SP 1.3 Establish Validation Procedures and Criteria

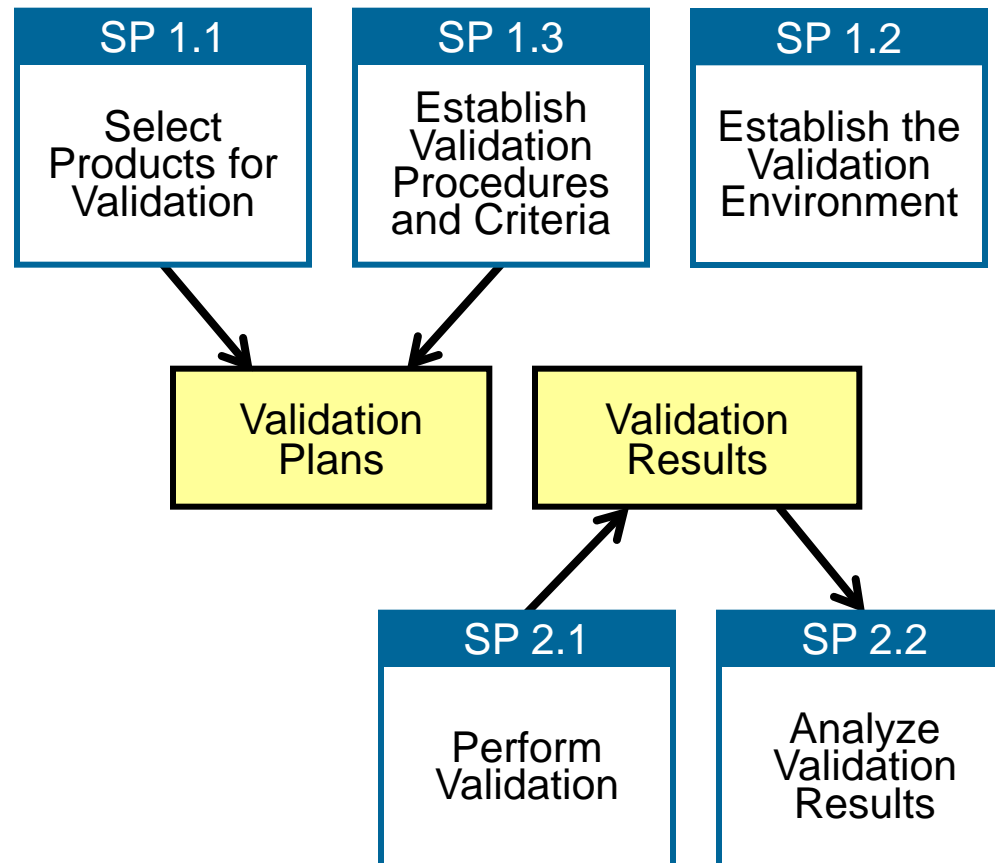
SG 2

Validate Product or Product Components

- SP 2.1 Perform Validation
- SP 2.2 Analyze Validation Results

Validation

Sampling of Work Products



Validation

Sampling of PA and GP Relationships

