

Topics

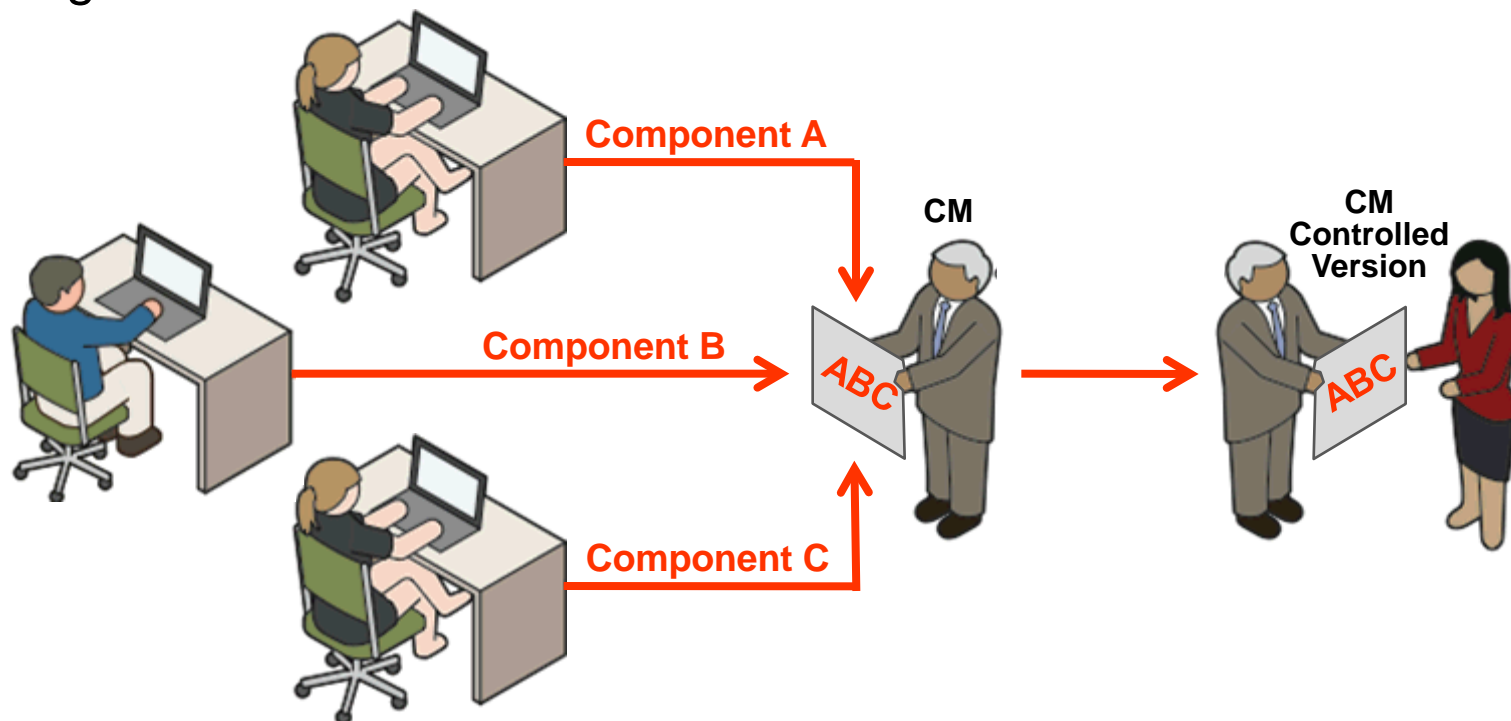
- Project and Org Support Process Areas
- Configuration Management (CM)
- Process and Product Quality Assurance (PPQA)
- Measurement and Analysis (MA)
- Decision Analysis and Resolution (DAR)
- Project and Org Support Summary
- Exercise 3: Measurement Implications of Your Process Improvement Goals

Configuration Management (CM)

A Support Process Area at Maturity Level 2

Purpose

Establish and maintain the integrity of work products using configuration identification, configuration control, configuration status accounting, and configuration audits.



Relevant Terminology

Baseline

A set of specifications or work products that has been formally reviewed and agreed on, which thereafter serves as the basis for further development, and which can be changed only through change control procedures

When Configuration Management Is Not Done Well...

A product baseline cannot be produced when needed.

Rework is performed during testing because components are not what were expected.

A complete inventory of system components is not available when needed.

A previous baseline cannot be rebuilt and this wastes money and resources during maintenance.

Configuration Management Goals

SG 1

Establish Baselines

Baselines of identified work products are established.

SG 2

Track and Control Changes

Changes to the work products under configuration management are tracked and controlled.

SG 3

Establish Integrity

Integrity of baselines is established and maintained.

The process area also has generic goals to support institutionalization.

Configuration Management Specific Practices

SG 1

Establish Baselines

- SP 1.1 Identify Configuration Items
- SP 1.2 Establish a Configuration Management System
- SP 1.3 Create or Release Baselines

SG 2

Track and Control Changes

- SP 2.1 Track Change Requests
- SP 2.2 Control Configuration Items

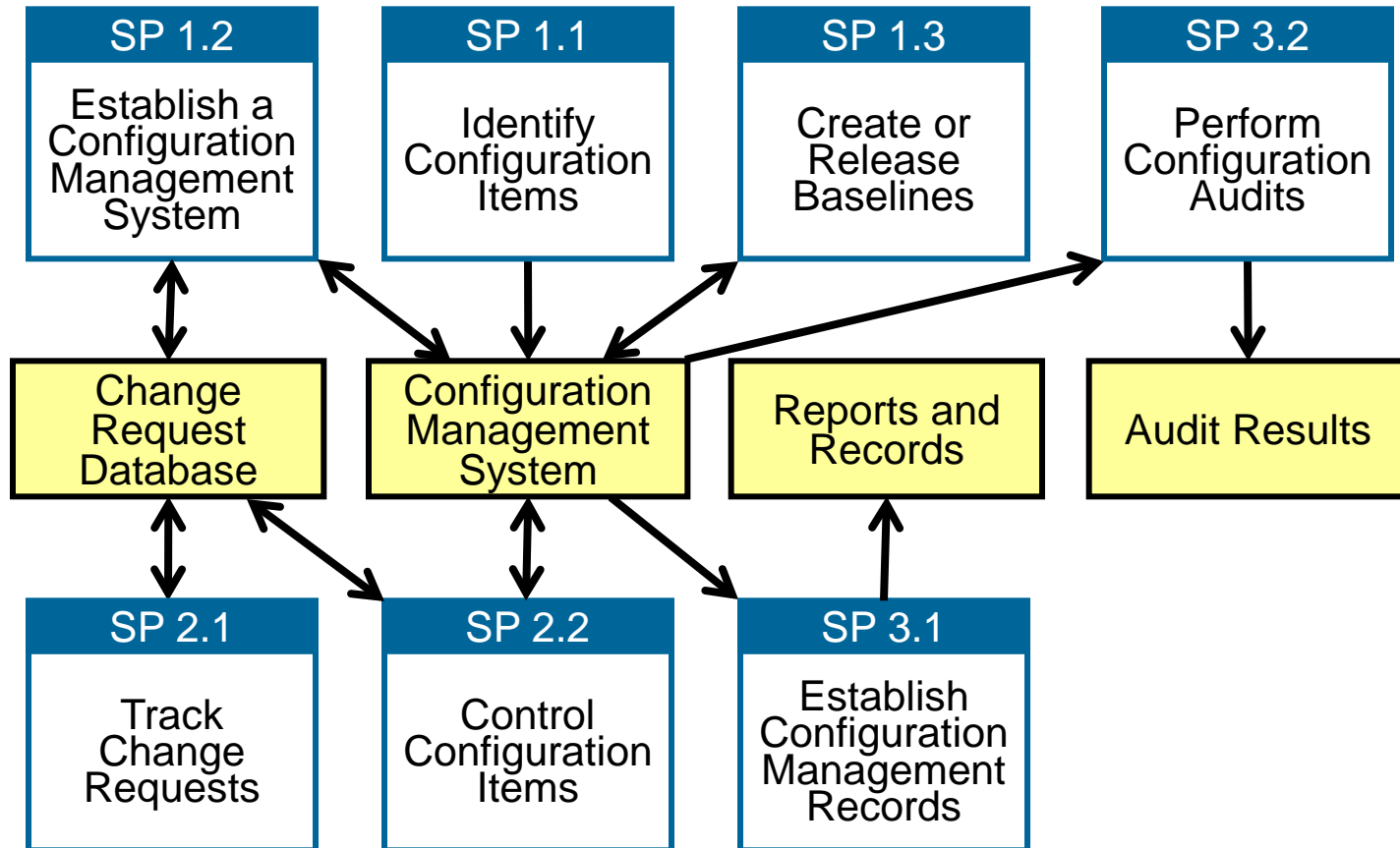
SG 3

Establish Integrity

- SP 3.1 Establish Configuration Management Records
- SP 3.2 Perform Configuration Audits

Configuration Management

Sampling of Work Products



Configuration Management

Sampling of PA and GP Relationships

