

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

Decision Analysis and Resolution (DAR)

A Support Process Area at Maturity Level 3

Purpose

Analyze possible decisions using a formal evaluation process that evaluates identified alternatives against established criteria.



Decision Analysis and Resolution Applicability

Documented guidelines should be provided when formal evaluation processes are to be used.

Guidelines often suggest using formal evaluation processes when issues are associated with medium to high risks or when issues affect the ability to achieve project objectives.

When Decision Analysis and Resolution Is Not Done Well...

It is unclear who is authorized to make what decisions.

Decisions are made subjectively.

Rationale is unavailable when needed to understand an earlier decision.

Too few choices are considered for major decisions.

Missing a more optimal solution costs time, money, credibility, and perhaps even the whole project.

Decision Analysis and Resolution Goals

SG 1

Evaluate Alternatives

Decisions are based on an evaluation of alternatives using established criteria.

The process area also has generic goals to support institutionalization.

Decision Analysis and Resolution

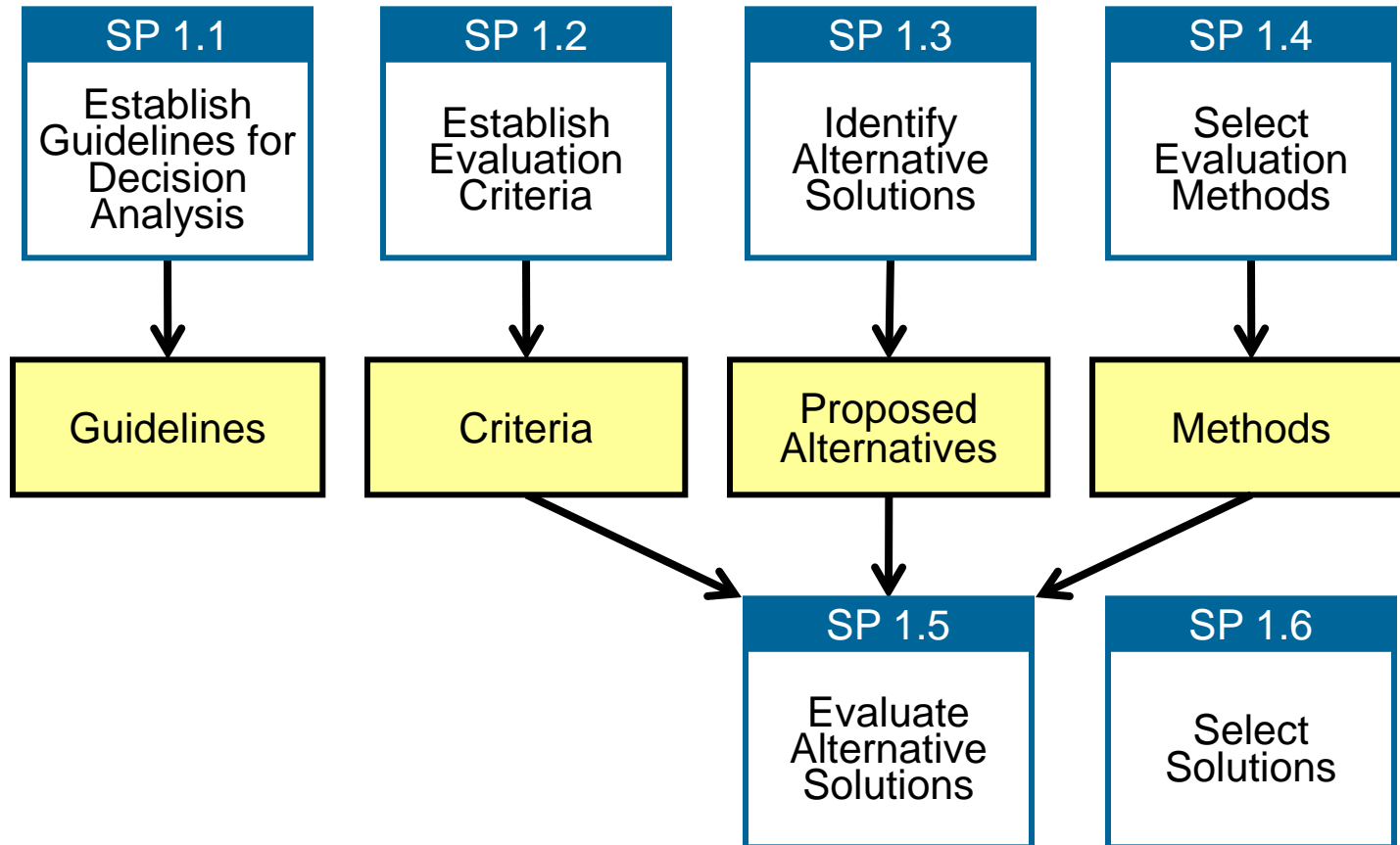
Specific Practices

SG 1

Evaluate Alternatives

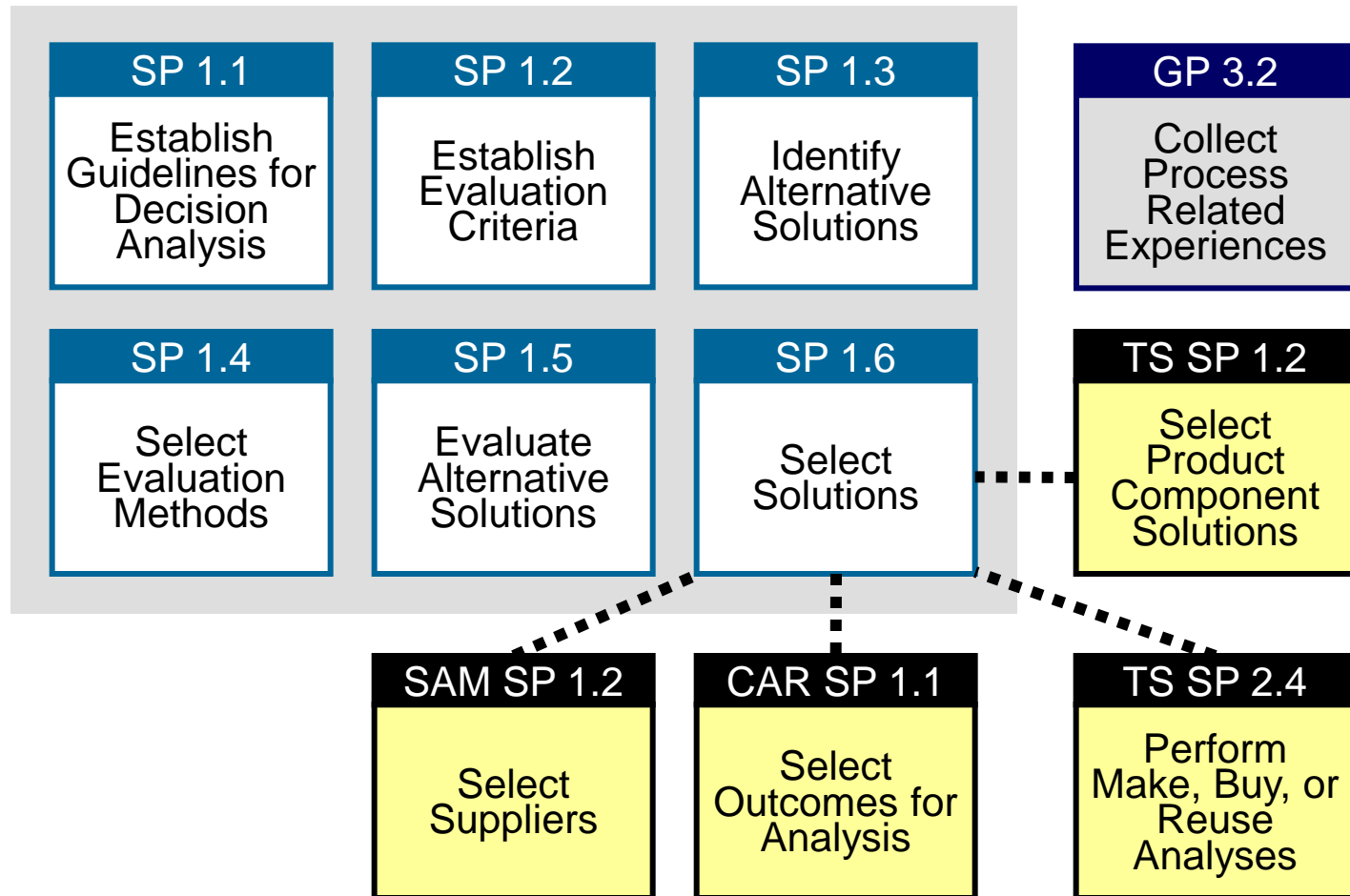
- SP 1.1 Establish Guidelines for Decision Analysis
- SP 1.2 Establish Evaluation Criteria
- SP 1.3 Identify Alternative Solutions
- SP 1.4 Select Evaluation Methods
- SP 1.5 Evaluate Alternative Solutions
- SP 1.6 Select Solutions

Decision Analysis and Resolution Sampling of Work Products



Decision Analysis and Resolution

Sampling of PA and GP Relationships



Decision Analysis and Resolution

Case Study Example Focus Areas

