

Informatik-Projektentwicklung

– Lecture 9 –

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Software Component Technology

Wintersemester 03/04

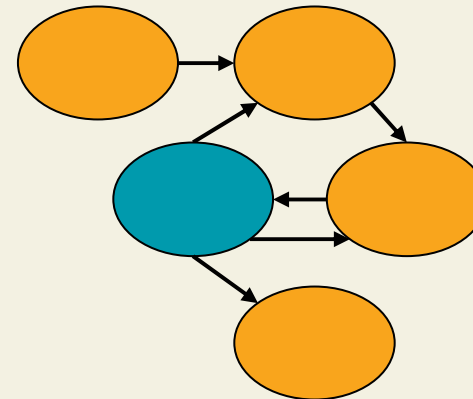
ETH

Eidgenössische Technische Hochschule Zürich
Swiss Federal Institute of Technology Zurich

Agenda for Today

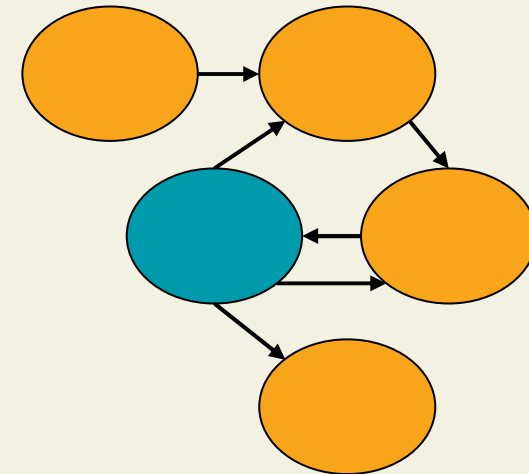
9. Project Execution and Control

9.1 Change Management

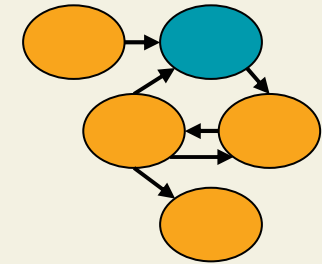


9. Project Execution and Control

9.1 Change Management

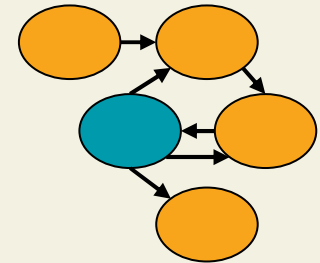


Baseline



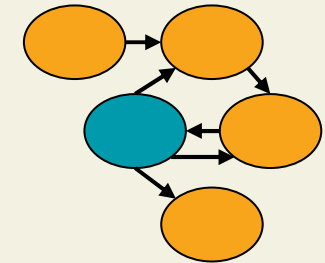
- Definition:
The originally approved plan plus or minus approved changes.
- Baselines are used to compare the actual performance and forecasts of the project with the original plan

Change



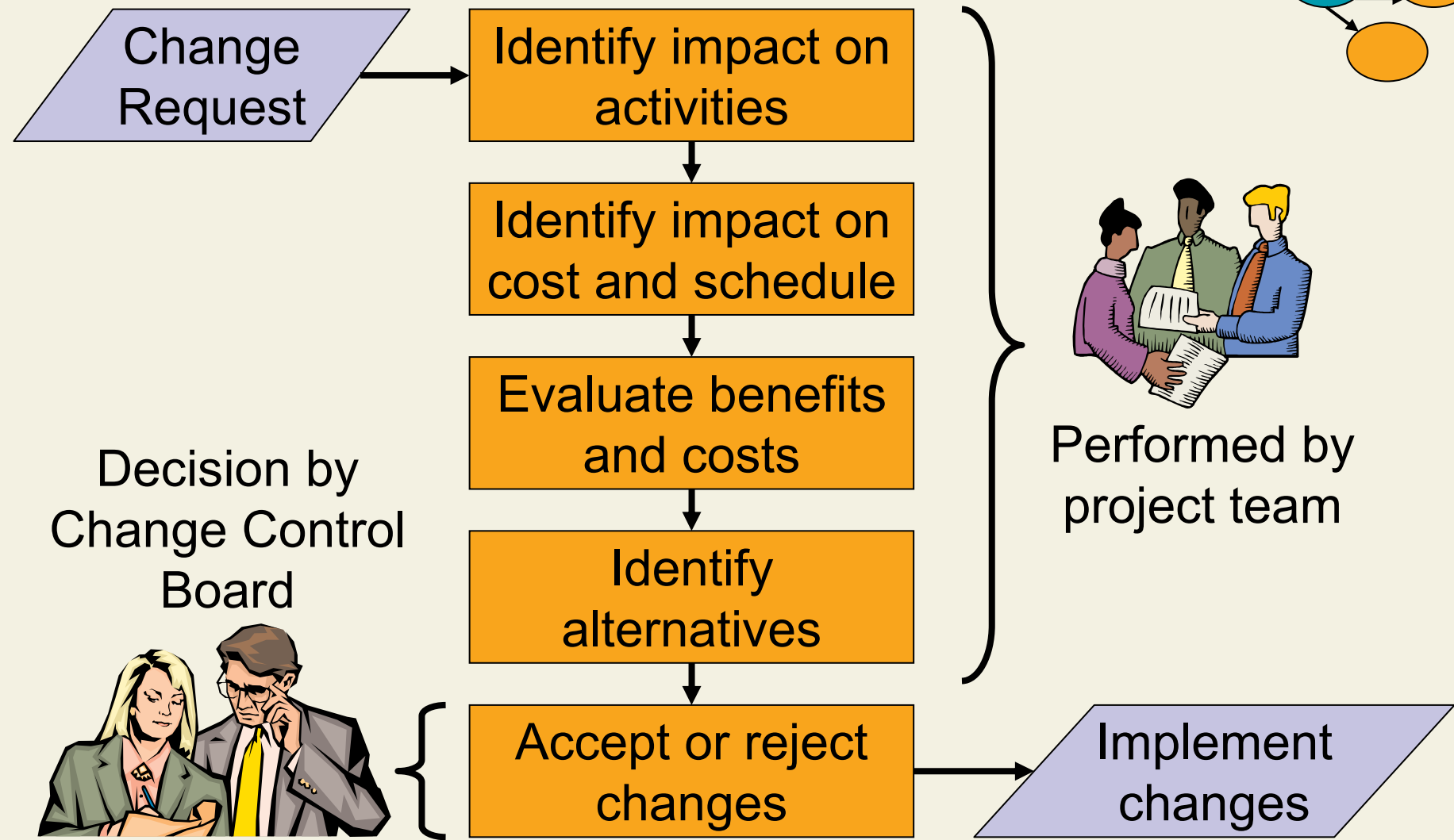
- Definition:
Any deviation from a previously approved baseline.
- Internal origins of changes
 - Design, implementation, cost, etc.
- External origins of changes
 - Scope of work, requirements, schedule, cost
- Other origins: Issues, Risks

Why Change Management?

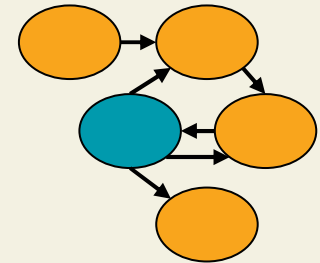


- Prevent scope creep
- Allow the impact of all changes to be understood and managed
 - Impact on triple constraint
- Allow each change to be accepted, rejected, or deferred by the appropriate authority
 - Management
 - Customer
 - Contractual partners

Change Control Process

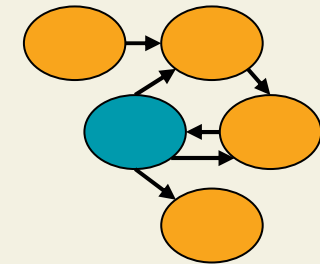


Follow-Up Actions



- If accepted
 - Plan incorporation into the system
 - Create new baselines
 - Modify the schedule and allocate resources
- If rejected
 - Communicate and document the decision
- If deferred
 - Perform further analysis
 - Consider further alternatives
 - Hold until a specified time

Scope Change Control: Summary



■ Purpose

- To influence the factors that create scope changes to ensure changes are agreed upon
- To determine that a scope change has occurred
- To manage the actual changes when and if they occur

Inputs	Tools & Techniques	Outputs
<ol style="list-style-type: none">1. Work breakdown structure2. Performance reports3. Change requests4. Scope management plan	<ol style="list-style-type: none">1. Scope change control2. Performance measurement3. Additional planning	<ol style="list-style-type: none">1. Scope changes2. Corrective action3. Adjusted baseline

	Initiating	Planning	Executing	Controlling	Closing
Integration		Project Plan Dev.	Project Plan Execution	Integr. Change Ctrl	
Scope	Initiation	Scope Planning Scope Definition		Scope Change Ctrl	
Time		Act. Definition, Act. Sequencing, Schedule Dev.			
Cost		Resource Planning Cost Estimating Cost Budgeting			
Quality					
HR		Organizational Pl. Staff Acquisition	Team Development		
Comm.				Performance Reporting	
Risk					
Procurement		Procurement Pl. Solicitation Pl.	Solicitation Source Sel. Contr. Admin.		Contract Closeout