# Project System

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- 2. Project Structures
- 3 Planning and Budgeting
- 4. Materials and Services
- 5. Scheduling
- 6. Execution
- 7. Period End Closing
- 8. Information System

### **Organizational Units & Project Cycle**

### **SAP Modular Structure: Overview**



### **Project Execution Procedure**



### **Sequence of Events in Projects**



# **IM / PS Overview Animation**



### **PS Integration Points Animation**



### **Project Structure**

# **Project Approach**

- Projects are planned and implemented using a phase approach. These are further summarized as Development and Execution.
- Cost planning, budgeting, approval, resource planning are some of the activities that are done for each phase separately.
- Main project is represented under the execution phase where the planning, budgeting, scheduling is carried out.

### **Master Data in Project Systems**

- Data that is stored in the database for long periods of time is referred to as master data
- Accurate master data reduces:
  - ✓ Creation time for controlling documents
  - Amount of errors in the controlling process

### **Master Data in Project Systems**



# **Master Data created in Project Systems**



### **WBS Elements**

### Work Breakdown Structure

Individual structural element in a work breakdown structure (WBS) representing the hierarchical organization of an R/3 project. Describes either a discrete task or a partial one that can be further subdivided.

# **Master Data created in Project System**



**Network / Activities** 

### **Networks**

A network represents the flow of a project or of a task within a project.

During the life of a project, networks are used as a basis for planning, analyzing, controlling and monitoring schedules, dates and resources (such as people, machines, materials, documents and drawings). You can assign networks to a project.

A network is a special type of work order that has the same structure as production orders, maintenance orders, and inspection orders in the R/3 System.

# **Master Data used in Project Systems**



**Cost Center** 

### **Cost Center**

The **cost center master** record represents the main organizational unit in Controlling. Each department units will have their own Cost center number. Each department will plan and monitor their yearly budget / expenditure on their respective cost centers.



**Profit** 

Center

### Profit Center

Is an organizational unit in Accounting that reflects a <u>management-oriented structure of the organization for the</u> <u>purpose of internal control</u>. Profit Center groups are collections of Profit centers with similar characteristics.



### Activity Types

Activity types define the type of activity that can be provided by a cost center (work activity, machine hours, and so on).

# **Overview of Objects in PS**



### **Project Characteristics**



### **Contents**



### Master Data in Project Systems:

- Work Breakdown Structures
- Networks and Activities

# Status Control

# Tools

Table controls

#### **Project Versions**

### What are Work Breakdown Structures used for?



### **Project Definition and Work Breakdown Structure**



### **Project Definition**



# **Project Numbering**

### System Business Number Logic

✓ You can tell a lot about a project by its number!



# **Project Coding Mask**

Identification and view selection							
Project Def.	V-0691001	EG -1 Plant Project					
Detail:							
Overview(s):							
Basic data Control data Administration Long bt							
Status							
System Status	PREL						
User status							
Project coding meet							
Screen V-0000000.00.00.00.00 Mask ID							

PrjID	Coding mask	Description	Lck	LkS
V	- 0000000.00.00.00.00	A Grp. Operative Project		



# **Project Profile**



### **Project Field requirements - Project Definition**

### Project Definition

- ✓ Project Definition Description
- Person Responsible
- Applicant number
- Plant
- ✓ Finish Dates

Status PREL   User status Image: Constraint of the status   Project coding mask Screen   Screen V-00000000.00.00.00   Mask ID Organization   Company code 9100   Company code 9100   Dates Plant 9100   Start date 23.10.2006   Finish cate 29.12.2006   Factory calend. IN   Time unit DAY   Fcst start date Image: Constraint of the start date	Basic data Control data Administration Long txt							
Project coding mask Screen V-0000000.00.00.00 Mask ID   Responsibilities Organization CO area 9100   Person Respons 200 Jerry Jones CO area 9100   Applicant no. Organization Company code 9100   Business area Plant 9100   Start date 23.10.2006 Functional Area Plant   Finish date 29.12.2006 Functional Area Proj.currency INR   Time unit DAY Proj.currency INR	Status System Status PREL User status							
Responsibilities Person Respons200Jerry JonesOrganizationApplicant no.CO area9100Company code9100Business area9100Business area9100Start date23.10.2006Finish date29.12.2006Factory calend.INTime unitDAYFost start dateImage: Company codeFost start dateImage: Company codeCompany code9100Business areaImage: Company codeProfit Center9999Profit Center9999Proj.currencyINR	Project coding mask Screen V-0000000.00.00.00 Mask ID							
DatesPlant9100Start date23.10.2006LocationLocationFinish date29.12.2006Functional AreaProfit CenterFactory calend.INProfit Center9999Time unitDAYProj.currencyINRFcst start dateInterventional AreaInterventional Area	Responsibilities Person Respons Applicant no.	200 Jerry Jones	Organization CO area Company code Business area	9100 9100				
Electronic de la CE	Dates Start date Finish date Factory calend. Time unit Fost start date	23.10.2006 29.12.2006 IN DAY	Plant Location Functional Area Profit Center Proj.currency	9100 9999 INR				

### **Project Definition and Work Breakdown Structure**



### **WBS Organization and Responsibilities Animation**



### **Operative Indicators and Attributes**





### **WBS Structure Objects**





### **Milestones in WBS**





### **Project Documentation**





### **Derivation of the WBS hierarchy**



### **Project Levels**

### Project Levels:

- Each project must have a single Level 1 WBS
- ✓ Allows for ease of reporting at a project level
- Structure below Level 1 is determined by phase and other reporting

requirements



This is an example of a typical project structure

### **Project Creation and Maintenance methods**



### **Templates and Work Breakdown Structures**



# **Include Template**


## **Project Builder**



### Contents

Master Data in Project Systems:
 Work Breakdown Structures
 Networks and Activities

### Status Control

Project Versions

### **Networks**

- A key step in project planning is determining the sequence in which the activities will be performed.
- This involves determining which activities are dependent on each other and which activities require additional work or must be broken down even further.
- In Project Systems, this planning of processes and sequencing of activities is done using networks.
- A network consists of a network header and a series of activities either with relationships and, optionally milestones

### **Activities and Networks - Functions**



### **Network Header and Activities**



## **Project Field requirements - Network Header**

Network Header
 Description
 MRP Controller

Identification and viev	v selection
Network	91090000000 Phase 1 Basic Design
Detail:	
Overview(s):	
Scheduling	Assignments Control Administr. Long bt
General	
Network Profile	Z900001 AM Network profile header acct. 🛛 🖹
Network Type	Z901 AM Network type header account
Plant	9100
MRP Controller	Z91 Aditya
Priority	Executn factor
Costing	
Costing Sheet	130000 Projects
CstgVariantPlan	PS02 Network - Plan
CstgVariantActl	PS03 Network - Actual
Overhead key	
Plan cost calc.	2 Determine plan costs
Components	
Res./Purc. req.	3 Immediately

## **Activities and Activity Elements**



## **Relationships**



### **Network Graphic Details**



### **Work Breakdown Structures & Networks compared**



### **Activity Assignment to WBS**



## **Different ways of creating Networks**

### DIRECT METHODS

- "Create" network directly
- ☑ Create via Project Builder

trust bit pro that prive term pro-						
0	1 I G C O O					
9 5 Project Builde	r: Project V-069100	1				
2	II PO					
	11 10 10 10 10	kterbfc allo	n and size salection	21.20 PM (N		
Project Structure: Description	identification	Project Det	Y-0801001	60-1 Plant Project	12	
······································	V-0681301	Detail				
C A ED-I Plat Privad	V-0691001	· Oversewits				
A Phase I Bear De	regrv 6691001.01	Constantion in				
Contract of the second	5-6, 01000000000 0010	Base	ate Contrations ( Adv	mainution [ Long St ]		
A Canada	US 910900000000000000	Tabaha /				
G P1009	and the second					
Contrai a	90000 00000000000000000000000000000000	Dystarts of	NUT PERF			
General C	User class	Ver date				
Prote 2 Detailed	Eng vielan 1001.02	Constanting of the local division of the loc				
Phase 2 & 4 Proc	unier V-8491501.03	Prosetto	ang mask /			
Ances		Sceen 1	Y-0000000 00 00 00 0	Mask D		
Sulution Clampion		Berenta	inter /	I Desertation		
Tarrigrative Name	Project chief	Farmer B	annual 200 Jami Ja		9100	
· · · instantian Objects		Access and		Contractor Links	9184	
A 1985 alement				Automatic and		
Statest		Partition		Conversion and	Contraction (Contraction)	
5 CASHY		Dates	and the local	Flat	1100	
P W Activity Element		start care	13.10 2000	LICHER		
Muterial Component		Facult da	28.12.2008	Functional Area		
No. of Concession, Name		Factory u	and In	Profit Carder	1111	
Distance of		Time unit	247	Procountercy	DM	
D PETad						
D PG Test		Foststart	DVD4			
Drament		Fost start Finish dat	over te (f)			
Pit Test     Discurrent     Prosects     Itentiant Templates		Fost start Finish dat	e (f)			
PT Text     PO Text     PO Document     Points     Points     Points     Points		Fost start Finish da	one te (f)			

### INDIRECT

- Project Planning Board and Simulation
- Create WBS with Activities".



### PROCEDURE

Create manually or copy a template



### **Creating a Network Header Animation**



## **Creating Activities**



### Contents

### Master Data in Project Systems:

- Work Breakdown Structures
- Networks and Activities

## Status Control

# Tools

Table controls

### Project Versions

### **System Status and User Status control**



#### What is Status control used for?

✓ To allow or forbid certain business transactions.

#### How?

✓ Status are activated manually or automatically by the system.

### Which elements?

Project definition and WBS elements are affected.

### Why system and user status?

✓ User status adds detail to the system Status.

### **System Status's**

### SYSTEM STATUS

The following status are set by the system/user as the project goes through Its different stages:

- CRTD Created (Automatic)
- REL Released (Manual)
- LKD Locked (Manual)
- UNLK Unlock (Manual)
- BUDG Project Budgeted (Automatic)
- AVAC Availability Control Activated (Automatic)

## User Status is Optional (based on Client reqt.)

#### **USER STATUS**

The following status are set by the user as the project goes through its different stages:

- 10 Initial
  - The appropriation request has this status when it is created (Automatic).
- 20 A Grp Approval
  - (Automatic on approval)
- Note : User status configuration and usage is totally based on client requirement and is optional



## System Status (1)



## System Status (2)



### **Technically Complete (TECO)**

#### 🗹 Use

- For projects completed from a technical point of view.
- Allows costs and revenues to be posted to the project.

#### Prerequisites

Created or Released must have been set.

### **Closed (CLSD)**

#### 🗹 Use

- Prevents actual postings.
- Prevents network creation.

#### Prerequisites

Released or Technically complete must have been set.

### **Deletion Flag (DLFL)**

#### ✓ Use

Objects are deleted logically, but not physically.

#### **☑** Prerequisites

- Allowed if all costs have been settled completely.
- Allowed if there are no reservations or commitments.

### Contents

### Master Data in Project Systems:

- Work Breakdown Structures
- Networks and Activities

### Status Control

- Tools
   Table controls
- Project Versions

## **User Specific Table Control Settings**



### Contents

### Master Data in Project Systems:

- Work Breakdown Structures
- Networks and Activities

## Status Control

# Tools Tools

Table controls

## Project Versions

### **Versions in Project Systems**



## **Simulation**



### What are simulation versions used for?



### **Planning & Budgeting**

 Cost planning is carried out during the planning phases and is reviewed through reports during subsequent review.

## **Planning versus Budgeting**

Planning	Budgeting				
<ul> <li><u>Cost</u>-oriented (cost elements, plan versions, period values)</li> </ul>	<ul> <li><u>Funds</u>-oriented (original, supplements, returns, annual values)</li> </ul>				
<ul> <li>Easily changed; line items created if desired</li> </ul>	<ul> <li>Binding values; line items for each change</li> </ul>				
No availability check	Availability check: Warning at 95% Error message at 105%				
→ "FUNDS REQUESTED"	"APPROVED FUNDS"				

### **Aspects of Planning**

### **Project Structures:**



#### **Costs:**





#### **Dates:**

	С	cto	ber	200	)2		Þ
S	Μ	Т	W	Т	F	S	
		1	2	3	4	5	
6	- 7	8	9	10	11	12	
13	14	15	16	17	18	19	
20	21	22	23	24	25	26	
27	28	29	30	31	1	2	
3	4	5	6	- 7	8	9	

#### **Resources:**



### Contents

- WBS Cost Element Planning.
- Planned Costs in Networks.
- Budgeting.
- Commitment Management & Availability Control.

### **Cost Planning in Projects**



### **WBS Cost Element Planning**

### Primary costs

Change Cost Planning: WBS Element Overview									
🚰 📨 Annual Overview 📰 Primary Costs Activity Input									
Proj. D	ef.		V-0691	001			EG-1 F	Plant P	Project
Period			2006	1					
Views i	in		0 Contr	olling	area curi	rency	Ē		
Ann	nual	Values							
L	_ev	WBS element			Cost pla	n		Tra	Distributable
1		V-0691001			2,000,000.00			36,000.00	
2	2	V-6691001.01					INR		
2	2	V-669100	01.02					INR	
2	2	V-669100	01.03					INR	
3	3	V-6691001.03.01					INR		
3	}	V-6691001.03.02					INR		
	3	V-6691001.03.03					INR		
3	3	V-6691001.03.04					INR		
	3	V-6691001.03.05					INR		
_ 2	2	V-669100	01.04					INR	
2	2	V-669100	01.05					INR	

	A	В	С	D	E
1	Version	000		Plan/Act - Ve	rsion
2	Period	001	То	012	
3	Fiscal Year	2006			
4	WBS Elemen	V6691001010	100000	Phase 1 Basi	c Design
5	Trans. Curren	INR		Rupee	
6	Cost Elemen		Total PlanCo	Distribution k	Total plan cor
7	400000	Raw Material	0	2	0
8	400013	Others Mater	0	2	0
9	400700	Packaging M	0	2	0
10	415000	Ext. procur. c	0	2	0
11	420003	Salaries & W	0	2	0
12	420004	Transport Allo	0	2	0
40	100005	o 11 o o	-		

### Contents

- WBS Cost Element Planning.
- Planned Costs in Networks.
- Budgeting.
- Commitment Management & Availability Control.

## **Network Activities**



### **Internal Processing**


## **External Processing**



## Contents

- WBS Cost Element Planning.
- Planned Costs in Networks.
- Budgeting.
- Commitment Management & Availability Control.

## **Cost Planning and Budgeting**



## **Budgeting Overview**



## **Budget Values**



**NOTE:** Current Budget = OB + Suppl – Ret +/- Transfers

# **Budget Updates**



# **Budget Management**

WBS:	V-0691000 <sup>-</sup>	1								
	Original	Current								
	Budget	Budget								
Overall	5,000	7,000								
2002	2,000	3,000								
2003	3,000	4,000	Budget Line Items							
			Order 4	400010	Trade Fair					
			Document	Year	Activity	Amount				
			03000001	2002	Original	2,000				
			03000200	2002	Supplement	3,000				
			03000306	2002	Return	(2,000)				
			Total	2002		2 000				
				2002		3,000				

NOTE: CB = OB + Suppl – Ret +/- Transfers

# **Budget Update Simulation**



## **Releasing the Budget**



## Contents

- WBS Cost Element Planning.
- Planned Costs in Networks.
- Budgeting.
- Commitment Management & Availability Control.

## **Commitment Management (1)**



# **Commitment Management (2)**



# **Availability Control**



# **Availability Control Simulation**



#### **Materials & Services**

- During Project Execution, both materials and services are procured. Materials are managed in plant stock.
- Project managers are interested in:
  - Stock used on your project. (Stock controlling)

## **Integration with MM**



## **Procurement of Stock Items**



#### **Procurement of Non Stock Items**



# **Account Assignment Category**

Identification and vie	w selection					
Material	718	19	9100	Prototype mat	erials	
Item Category	N					
Detail:						
Overview(s):						
	11		LE It	em category (bi	ll of material	i) (1) 8 Entries
Item	0001 Item text			Restrictions		
						$\nabla$
General data	Purch data Proc	: nar	<b>~</b>	⊠□間	段  😹   🕫	
		- be on t	ICt <sup>*</sup>	Item category	text	
Purchasing data	/		D	Document iten	n	
	40000005 4 40		1	PM structure e	lement	
Purch.req.			к	Class item		
			L	Stock item		
			М	Intra material		
			N	Non-stock item	n	
			R	Variable-size it	tem	
			Т	Text item		

## Account Assignment Category "L" Non Stock

Identification and vi	iew selei	tion				
Material	719		1	9100	Board	
Item Category	L					
Detail:	<b></b>					
Overview(s):						
Item	<mark>0002</mark>	Item text			Board	
General data	Proc.param Long txt					
General Data 🦯						

# **Project Structure**



#### **Procurement Steps**



#### **Procurement Steps - Purchase Order**



# **Purchasing Components**



Purchase order commitments

#### **Procurement Steps - Goods Receipt**



# **Purchasing Components**

#### Act/Com/Total/Plan 📜 🕼 🖶 🔲 🔟 🐨 🔍 🗂 📥 🐬 🛗 Column 🛛 🖌 🕨 📑 봚 봚 핵 핵 Variation: Object Act/Com/Total/Plan As of::30.10.2006 2 / Page: 6 🖓 🚞 PRJ V-0691001 EG -1 Plant Project Ӯ 🚞 WBS V-0691001 EG -1 Plant Pro Column 1/ 4 🔽 🔄 WBS V-6691001.01 Phase 1 Object WBS V-6691001.01 Phase 1 Basic Design WBS V-6691001.01 Phas Person responsible Jerry Jones NWA 91090000000 001 NWA 91090000000 002 NWA 91090000000 003 NWA 91090000000 004 Cost elements Actual Commitments Total P1an 430002 Spares Materials - D 272.73 272.73 270 430004 Outside Services 36 440503 Outside Services Legal F 1,918.18 1,918.18 1,899 466001 Capitalized Labors 2,040.00-2,040.00-Capitalized Mad 466002 272.73-272.73-943204 Proj Eng 2,040.00 2,040.00 1,920 Þ All cost 1,918.18 1,918.18 4,125. The goods receipt reduces the

commitment and posts it to actual

#### **Procurement Steps - Goods Issue**



## Scheduling

You have created a project structure, you are now required to see if your project can be completed on time. Schedule your project to find the answer.

## Dates







Planniı ca	ng different Ilendars	
	October 2002	
	SMTWTFS	
October 2	1 2 3 4 5	
SMTW	6 7 8 9 10 11 12	
1 2	13 14 15 16 17 18 19	
6789	20 21 22 23 24 25 26	
13 14 15 16	27 28 29 30 31 1 2	
20 21 22 23	3456789	
27 28 29 30	31 1 2	
3456	7 8 9	



Shift

.....

•••••

# **Project Dates**



**BOLD** – Manual Planning Dates *Italics* – Automatic Dates

# **WBS / Overall Network Scheduling**





# **Bottom-Up planning**





## **Example of scheduling**







# **Time Constraints**






# **Actual Dates of Activities**



AS = Actual start PF = Provisional finish

## **Execution**

## Contents

CN25 Confirmations

# **Network Confirmation (CN25) -1**

ြ Confi <u>r</u> mation <u>E</u> dit <u>G</u> oto Selection System <u>H</u> elp	SAP
🔮 🔜 🔹 🖓 🔛 🕼 🛠 😫 😫 🖓 🗳 🖓 🔛	
Create Network Confirmation: Initial Screen	
T Parameters	
Activity/element	
Network 91090000000	
Activity 0010	
Capacity Cat	
Split number	
Confirmation number	
DE DE	√ (1) (800) 🖻 server INS 🦷 🥢

# **Network Confirmation (CN25)-2**

🖻 Create Netw	ork Co	onfirmatio	on: Actu	ial da	ta				
Activity		0010				Internal Activit	y 1		
Work Center		LABRPS	910	90		Labour Projec	t dept	:	
Personnel No	ı.								
Wage Type									
Reason									
Processing									
Processing %	)	*				E FinalConf		🗌 No date	e update
						Completed	ł	🗌 Clear C	Open Reservs.
Costs									
Posting Date		25.10.	2006			Business Pro	C.		Complete
Activity Type		PS0001				Proc.to confirm	n		
AcctIndicator						Remaining pr	юс.		
Activity	Start				Finish		Dura	tion	Work
Earl.sched	23.1	0.2006			26.10.200	6		4.0 DAY	32 H
Ltst.sched	23.1	0.2006			26.10.200	6			
Actual								O DAY	<u>0</u> H
Confirm.									
Actual	23.1	10.2006			26.10.20	06		DAY	34 H
Forecast									32 H
🖌 📙 📝 🗟 Operation 🙎 Goods movements 🚹 Status 🗙									

# **Period End Closing**

# **Period End Closing**

- Month End Processing.
- Year End Processing.

# **Settlement Debit and Credit**



## **Deriving Settlement Rules**

#### **Settlement Strategies**



# **Periodic Settlement Processing**

### **1** Periodic Settlement to AUC

Parameters	
Settlement period	11
Fiscal year	2002
Processing type	Automatic 🗈
Processing type	Automatic



**Final Settlement to Fixed Assets** 

2





# **Period End Closing**

- Month End Processing.
- Year End Processing.

## **Project Closing Case Flow Diagram**



# **Information System**

# **Report: Budget / Actual / Variance**

<ul> <li>SAP menu</li> <li>Office</li> <li>Logistics</li> <li>Accounting</li> <li>Financial Accounting</li> <li>Treasury</li> <li>Controlling</li> <li>Enterprise Controlling</li> <li>Investment Management</li> </ul>	t				<b>~</b>	
ar 🖾 Project System	Object			BudgetOverall	ActualOverall	VarianceOverall
D 🧰 Basic Data	✓ PRJ V-0691001	EG -1 Plant Project		37,800	2,313	35,487
D 🧰 Project	♥ WBS V-0691001	EG -1 Plant Project		37,800	2,313	35,487
Documents	WBS V-6691001 WDG V 6691004	Phase 1 Basic Desig	gn	3,600	2,313	1,287
D 🧰 Notifications		Phase 2 Detailed En	ig vm	4,000	0	4,000
D 🧰 Collaboration	WBS V-6691001	Phase 5 Commissio	nin	29,232	0	29,232
D 🧰 Financials	WBS V-6691001	Phase 6 Close out	,,,,,,,	108	ů O	108
🔉 🧰 Progress	Result			37,800	2,313	35,487
D 🧰 Dates						
👂 🧰 Resources						
🗅 🧰 Material						
🗢 🔄 Information System						
D 🧰 Structures						
D 🛄 Claim						
🗢 🖼 Financials						
♥ S_ALR_8701 ▽ 🔄 Costs	3531 - Costs/Revenues/Exp	enditures/Receipts				
👂 🧰 Plan-Bas	ed					
🗢 🔄 Budget-R	elated					
S_ALF	R_87013556 - Funds Overvia R <mark>_87013557 - Budget/Actual</mark>	ew Nariance				

# **Report: Budget / Actual / Commitment**

🖙 🔄 Accounting				
👂 🛄 Financial Accounting				
👂 🧰 Treasury				
👂 🚞 Controlling				
👂 🚞 Enterprise Controlling				
👂 🧰 Investment Management			$\mathbf{i}$	$\mathbf{V}$
🗸 🔄 Project Syst				
D 🔲 Basic I Object		BudgetOverall	ActualOverall	Commitment
Project	EG -1 Plant Project	37,800	2,313	1,918
	EG-1 Plant Project	008,15	2,313	1,918
WBS V-6691001.01     WBS V-6691001.02	Phase 2 Detailed Eng	4 500	2,313	1,910 N
Collab WBS V-6691001.03	Phase 3 & 4 Procurem	29,232	0	0 0
WBS V-6691001.04	Phase 5 Commissionin	360	0	0
WBS V-6691001.05	Phase 6 Close out	108	0	0
Result		37,800	2,313	1,918
Material     Material				
Christian				
D Closes				
V C Financials				
S_ALR_87013531 - Costs/Reven	nues/Expenditures/Receipts			
Plan-Based				
V 🔄 Budget-Related				
S_ALR_87013556 - Fund	s Overview			
S_ALR_87013557 - Budg	et/Actual/Variance			
S_ALR_87013558 - Budg	et/Actual/Commitment/Rem Pla	an/Assigned		

# **Report: Actual / Commitment / Plan**

<ul> <li>Accounting</li> <li>Financial Accounting</li> <li>Treasury</li> <li>Controlling</li> <li>Enterprise Controlling</li> </ul>				
Cost elements	Actual	Commitments	Total	Plan
400600 Chemicals and Additives 402002 Electricity 430002 Spares MatDir Pur. 943100 Affiliate labor 943104 External labour	2.800,00 3.600,00	5.000,00 202.000,00	5.000,00 202.000,00 2.800,00 3.600,00	5.000,00 395,00 2.200,00 2.800,00 6.000,00
* All cost elements	6.400,00	207.000,00	213.400,00	16.395,00
<ul> <li>Dates</li> <li>Dates</li> <li>Resources</li> <li>Material</li> <li>Information System</li> <li>Structures</li> <li>Claim</li> <li>Financials</li> </ul>				
S_ALR_87013531 - Costs/Revenues/Ex	penditures/Receipts			
🗸 🔂 Plan-Based				
<ul> <li>Hierarchical</li> <li>By Cost Element</li> </ul>				
S_ALR_87013542 - Actual/Co	ommitment/Total/Plan			

# **Report: Actual Period Comparison**

Image: System of the syste	em ita			
D 🛄 Project				
Documer	nts			
D Collabora	ons	×	$\mathbf{i}$	
D 🛄 Pri	Cost elements	Period 1	Period 2	Period 3
D 🛄 Da				
D 🧰 Re	430002 Spares Materials - D 466001 Capitalized Labors Regular			I
D 🛄 Ma	466002 Capitalized Materials		_	I
	943204 Proj Eng services			
	^ All cost elements			LI
🗸 🔄 Finan	ncials			
Ø Sj	_ALR_87013531 - Costs/Revenues/Expenditures/Receipts			
V 🔁 C	osts			
	Plan-Based			
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~	P G By Cost Element	A 4		
	S_ALR_87013542 - Actual/Commitment/Lotal/Plan in C S_ALR_87013542 - Actual/Plant/ariance Absolute0/aria	O Area Currency		
	S ALR 87013544 - Actual/Plan Comparison: Periods	alle 70		
	S_ALR_87013545 - Period Comparison - Actual			