

# Technical Documentation - Project Costs

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## Access Management

## Roles & Access

Role Code	Role Description	Explanation
ZR_RCS_CA_M09	PS - Project Costs	Role menu for all project costs queries
ZR_RCS_CO_A22	CBS Project costs Reporting Analysis - Key User role	Key user role
ZR_RCS_CO_A21	CBS Project costs Reporting Analysis - End User role	End user role
ZR_RCS_CO_A20	CBS Project Costs Reporting Analysis - RCS /APM role	super user role
ZP2_RCS_CO_A21	CBS Project costs Reporting Analysis - End User role	
ZP2_RCS_CO_A21	CBS Project costs Reporting Analysis - End User role	
ZBI_RCS_CO_A21	CBS Project costs Reporting Analysis - End User role	
ZBI_RCS_CO_A22	CBS Project costs Reporting Analysis - Key User role	
ZBI_RCS_PS_A02	Project Costs and Structures Analysis - End User role	Application Role: <ul style="list-style-type: none"> <li>• End User rights</li> <li>• gives access to infoproviders of Infoarea "AREA_PSCO"</li> <li>• BI Analysis Authorization "ZBI_PS" ("*" for authorization objects not relevant for the application)</li> </ul>
ZR_RCS_CO_A21	CBS Project costs Reporting Analysis - End User role	Role End User CO
ZR_RCS_CO_A22	CBS Project costs Reporting Analysis - Key User role	Role Key User CO
ZR_RCS_CO_A20	CBS Project Costs Reporting Analysis - RCS /APM role	Role référence CO
ZP2_RCS_CO_A21	CBS Project costs Reporting Analysis - End User role	
ZBI_RCS_CO_A22	CBS Project costs Reporting Analysis - Key User role	
ZBI_RCS_CO_A21	CBS Project costs Reporting Analysis - End User role	

## Authorization Objects

List of authorization objects mandatory for the application.

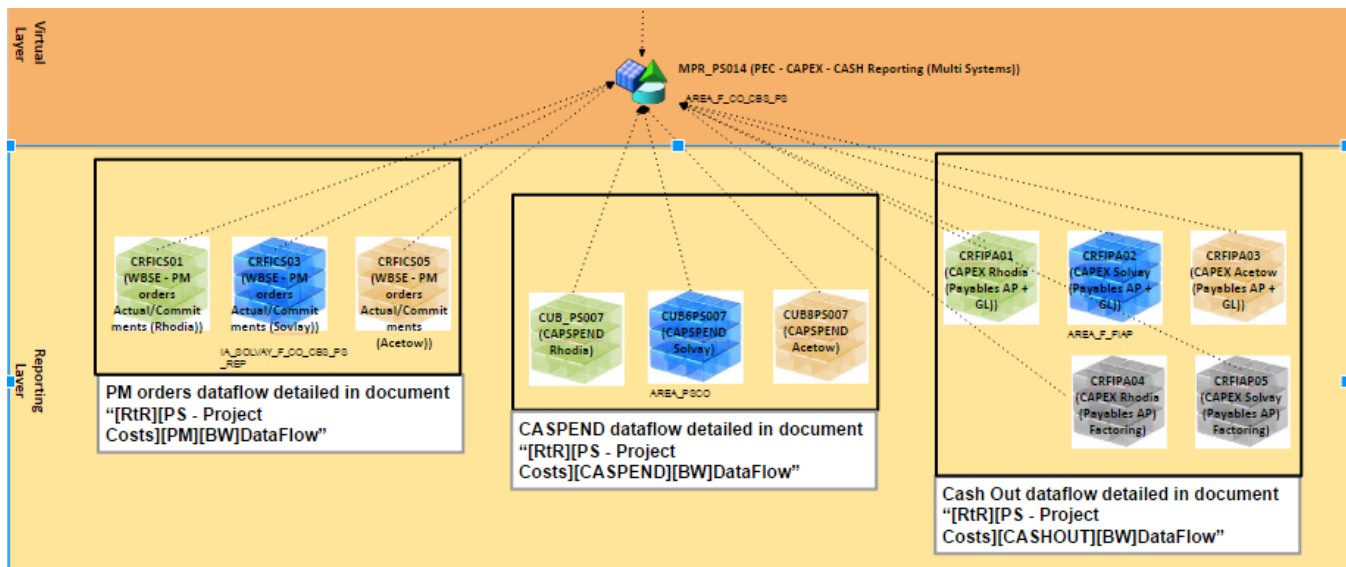
Authorization object	Explanation
C_COMPCODE__C_AUTHMA	Authorization scope : ZR_*_CA_P00
CPFCTR1_2	GBU:
C_WBS_EL2__CPFCTR1_2	ZR_*_CA_P05
C_WBS_EL2__C_FAMIL	Family:
C_FAMIL	ZR_*_CA_P04
C_COMPCODE	Company code: ZR_*_CA_P01

Link to the BW Catalog of role

[https://drive.google.com/open?id=10GEfKYqrT1eeTO\\_uHYAheL1GX7L5y\\_pvH0KQU64qh5l](https://drive.google.com/open?id=10GEfKYqrT1eeTO_uHYAheL1GX7L5y_pvH0KQU64qh5l)

## DataFlow

### Overview



<https://drive.google.com/file/d/1ydpFLq0lbY3Himhbsquhss01sm0LnLuWBAYCWSrDwHo/view>

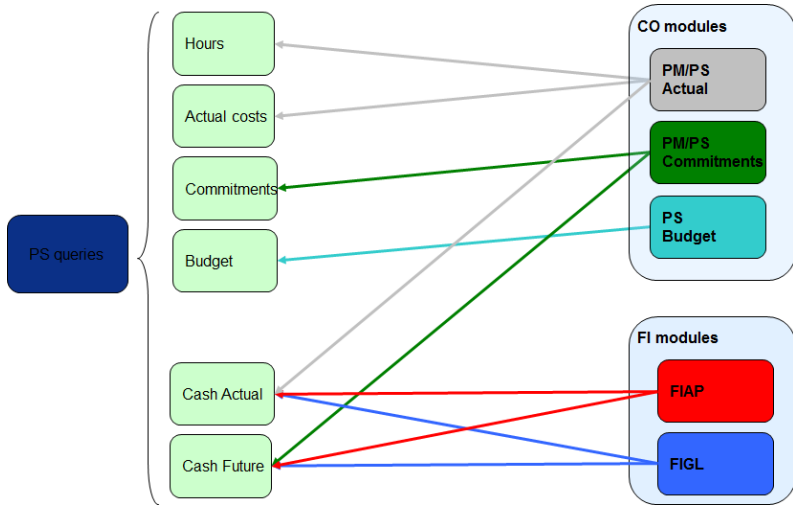
Reporting documentation drive folder:

<https://drive.google.com/drive/folders/1G9sSgTkOrk9FW8fAsOONLmt5P4gvlyml>

## Technical Rules on Workbench

PS - Project Costs (aka PeC & Cash) is a set of BW queries on Rhodia legacy (WP1), Solvay legacy (PF1) and Acetow (RHO) area.

It mainly aims at providing detailed economic survey of projects: Budget, Commitments, Actual costs (PeC), Cash out (CAPEX) and Cash Future (PeC and CAPEX are wording used in BFC to follow-up Investment projects)



The reporting coordinator is [ROLLIER, Charlotte](#).

**Usage information**

This application has more than 1 000 users Worldwide.

Target users are Controlling teams, but also Project responsables.

The Critical period is from D-5 to D+5.

**History**

This application was created in 2013 and it replaces the former **RCS** Project costs reporting (based on multiprovider MPR\_PS004) that should not be used anymore.

**CASPEND (CO WBS) documentation**

<https://wiki.solvay.com/display/IIDF/BW+CASPEND>

**WBSE - PM orders documentation**

<https://wiki.solvay.com/display/IIDF/BW+WBSE++PM+orders>

**Cash Out documentation**

<https://wiki.solvay.com/display/IIDF/BW+Cash+out>

**Reporting**

**Customer Support Wiki (To update):**

<https://wiki.solvay.com/x/NQI8>

**RtR presentation:**

<https://drive.google.com/open?id=1xLR2eV7ZtyYsbGeYOSVL0TCgdp-mcQzdYvbLtZWaL4c>

**Queries**

Query	Query description
BW_QRY_MPR_PS014_0001	Projects costs & Cash out (Core Query)
BW_QRY_MPR_PS014_0003	Project hours (Core Query)

BW_QRY_MPR_PS014_0004	Project costs - Periodic (Core Query)
BW_QRY_MPR_PS014_0005	Project costs - Actual (Core Query)
BW_QRY_MPR_PS014_0007	Cum. Projects costs & Cash out (Core Query)
BW_QRY_MPR_PS014_0008	Check of PM settlements (Core Query)
BW_QRY_MPR_PS014_0010	WBS Element to be closed (Core Query)
BW_QRY_MPR_PS014_0011	New Projects costs & Cash out (Core Query)
BW_QRY_MPR_PS014_0012	New Project costs - Periodic (Core Query)
BW_QRY_MPR_PS014_0013	New Project costs - Actual (Core Query)
BW_QRY_MPR_PS014_0014	New Cum. Projects costs & Cash out (Core Query)
BW_QRY_MPR_PS014_0015	New Detailed Cash out & Future (Core Query)
BW_QRY_MPR_PS014_0016	New Projects costs/qties & Cash out/Future (Core Query)
BW_QRY_MPR_PS014_0017	BW Colmar - Projects Created in WP1 and PF1
BW_QRY_MPR_PS014_007	Colmar - BI IP Interface (Core Query)
QV_BW_QRY_MPR_PS014_0001	Project R&I data for 1CP QS (Core Query)
QV_BW_QRY_MPR_PS014_0002	BW New query (1) for QV CAPEX dashboard for Solay (Core Quer
QV_BW_QRY_MPR_PS014_0003	Project hours and Costs (QlikSense Query)
QV_BW_QRY_MPR_PS014_0004	BW New query (3) for QV CAPEX dashboard Solvay (Core Query)
QV_BW_QRY_MPR_PS014_1002	BW New query (1) for QV CAPEX dashboard No conso. view (Core
QV_BW_QRY_MPR_PS014_1004	BW New query (3) for QV CAPEX dashboard No conso. view (Core
QVCAPEX_BW_QRY_MPR_PS014_0002	BW New query (1) for QV CAPEX dashboard (Core Query)
QVCAPEX_BW_QRY_MPR_PS014_0003	BW New query (2) for QV CAPEX dashboard (Core Query)
QVCAPEX_BW_QRY_MPR_PS014_0004	BW New query (3) for QV CAPEX dashboard (Core Query)

- PS - Project Costs
  - 1 - Solvay Group Project costs
    - 1.1 New Solvay Group Project costs
      - WBS Element master data (Core Query)
      - Project hours (Core Query)
      - WBS Element to be closed (Core Query)
      - New Projects costs & Cash out (Core Query)
      - New Project costs - Periodic (Core Query)
      - New Project costs - Actual (Core Query)
      - New Cum. Projects costs & Cash out (Core Query)
      - New Detailed Cash out & Future (Core Query)
    - 1.2 Former Solvay Group Project costs - Obsolete
      - Projects costs & Cash out (Core Query)
      - Project costs - Periodic (Core Query)
      - Project costs - Actual (Core Query)
      - Cum. Projects costs & Cash out (Core Query)
  - 2 - RCS Legacy Project costs - Obsolete
    - RCS Legacy PEC & Cash Forecasts - Obsolete

ZR\_RCS\_CA\_M09  
 0000002152  
 0000002160  
 BW\_QRY\_C\_WBS\_EL2\_0001  
 BW\_QRY\_MPR\_PS014\_0003  
 BW\_QRY\_MPR\_PS014\_0010  
 BW\_QRY\_MPR\_PS014\_0011  
 BW\_QRY\_MPR\_PS014\_0012  
 BW\_QRY\_MPR\_PS014\_0013  
 BW\_QRY\_MPR\_PS014\_0014  
 BW\_QRY\_MPR\_PS014\_0015  
 0000002161  
 BW\_QRY\_MPR\_PS014\_0001  
 BW\_QRY\_MPR\_PS014\_0004  
 BW\_QRY\_MPR\_PS014\_0005  
 BW\_QRY\_MPR\_PS014\_0007  
 0000002153  
 0000002087

**Workbooks:**

PS - Project Costs	ZR_RCS_CA_M09	
1 - Solvay Group Project costs	ZR_RCS_CA_M09	0000000126
1.1 New Solvay Group Project costs	ZR_RCS_CA_M09	0000000134
R&I Project Costs Follow up (Core Workbook)	BW_WBK_PROJ_0002	
Project hours (Core Workbook)	BW_WBK_PROJ_0003	
Check of PM settlements (Core Workbook)	BW_WBK_PROJ_0008	
WBS Element to be closed (Core Workbook)	BW_WBK_PROJ_0010	
New Projects Costs, Cash out & Cash Future (Core Workbook)	BW_WBK_PROJ_0011	
New Project costs - Periodic (Core Workbook)	BW_WBK_PROJ_0012	
New Project costs - Actual (Core Workbook)	BW_WBK_PROJ_0013	
New Cum. Projects costs & Cash out (Core Workbook)	BW_WBK_PROJ_0014	
New YtD Cash out & Cash Future (Core Workbook)	BW_WBK_PROJ_0015	
New Capitalization Workbook - 100 Lines (Core Workbook)	BW_WBK_PROJ_0016	
New Capitalization Workbook - 20 Lines (Core Workbook)	BW_WBK_PROJ_0017	
New Projects costs/qties & Cash out/Future (Core Workbook)	BW_WBK_PROJ_0026	
PF1 Capitalization Workbook - 100 Lines (Core Workbook)	BW_WBK_PROJ_0111	
WBS Element Master Data (Core Workbook)	BW_WBK_WBSE_0001	
1.2 Former Solvay Group Project costs - Obsolete	ZR_RCS_CA_M09	0000000135
Project Costs & Cash out (Core Workbook)	BW_WBK_PROJ_0001	
Project Costs - Periodic (Core Workbook)	BW_WBK_PROJ_0004	
Project Costs - Actual (Core Workbook)	BW_WBK_PROJ_0005	
Cum. Projects Costs & Cash out (Core Workbook)	BW_WBK_PROJ_0007	
2 - RCS Legacy Project costs - Obsolete	ZR_RCS_CA_M09	0000000127
RCS Legacy Databank Investments - Latin America - Obsolete	ZR_RCS_CA_M09	0000000032
OBSOLETE - BW - Projects PEC & Cash (Core Workbook)	BW_WBK_PS_0001	
OBSOLETE - BW Project cost detail (Core Workbook)	BW_WBK_PS_0002	
OBSOLETE - BW - PS Hours and Costs for ING	BW_WBK_PS_0003	
OBSOLETE - BW - PS Hours for IT	BW_WBK_PS_0004	

## Dependencies with other applications

COLMAR dso DPIP006 is based on a MPR\_PS014 query:

COLMAR Actual	CRIPCO03
ADSO ABIPCO01 -> CUBE CRIPCO03	05F7YSD4T4YPYN0X2VQ7G8LWVJBWDD
ODSO DPIP006 -> CUBE CRIPCO03	05NQHPCOTKPL1RMMK202SXO1NSQEX
COLMAR : Actual data ( Write-Optimized )	DPIP006
ELEM BW_QRY_MPR_PS014_007 -> ODSO DPIP006	00LN4317SVSFBNEYQP1F9X3NQK01LS4
Colmar - BI IP Interface (Core Query)	BW_QRY_MPR_PS014_007

## Data Loading

### Info providers and objects loaded

Main Process Chain	Final Provider Loading	Frequency	Time start	Duration
PC_FIPA_01	CRFIPA01	Daily	Closing period: around: 1am - 7:30am - 10:45am - 12:40pm - 2:40pm - 4:40pm - 6:40pm - 10:40pm  Outside closing period: around: 1am - 7:20am - 12:45pm - 6:45pm	Around 5 mins

PC_FIPA_05	CRFIPA04	Daily	Closing period: arround: 7:15am - 10:45am - 12:40pm - 2:40pm - 4:40pm - 6:40pm - 10:40pm  Outside closing period: arround: 7:20am - 12:45pm - 6:45pm	Around 5 mins
PC_FIPA_02	CRFIPA02	Daily	Closing period: arround: 4:10am - 6:45am - 1pm - 5pm - 6:50pm - 11pm  Outside closing period: arround: 4am - 7am - 1pm - 7pm	Around 5 mins
PC_FIPA_04	CRFIPA05	Daily	Closing period: arround: 4:10am - 6:45am - 1pm - 5pm - 6:50pm - 11pm  Outside closing period: arround: 4am - 7am - 1pm - 7pm	Around 5 mins
RSP_COOM	CUB_PS007	Daily (not saturday)	1:15 am	20 min
RSP_COOM_OTHER	CUB6PS007	Daily (not saturday)	2:30 am	15 min
RSP_PM	CRFICS01	Daily (not saturday)	1:30 am	30 min
RSP_PM_SOLVAY	CRFICS03	Daily (not week-end)	2 am	1 hour
PC_FIPA_05	CRFIPA04	Daily	Closing period: arround: 7:15am - 10:45am - 12:40pm - 2:40pm - 4:40pm - 6:40pm - 10:40pm  Outside closing period: arround: 7:20am - 12:45pm - 6:45pm	Around 5 mins

## Data Quality Control

Data come from SAP system. To compare data between BW and sources systems, check propagation layers.

## Operational Documentation

### Procedures

<Describe the recurring procedures needed to operate the application (eg. start/pause/terminate/restart the app processes, data preparation, data ingestion, ETL, data visualization, data export, other manual activities)>

### Scheduling

<Describe the scheduling in place for the application (eg. existing jobs, trigger time/event based, dependencies)>

### Monitoring

<Describe the monitoring checks to confirm the application is performing well (eg. check the overall status, check performance metrics like runtime/data volume/memory/disk/CPU, maintain and react to alerts/notifications)>

## **Error Handling**

<Describe how to handle errors (eg. error codes, description and respective resolution, alert users)>

## **Known Bugs**

<List the existing bugs, its criticality, workarounds and resolution plan.>

## **Roadmap**

Former Working Capital and Project Costs flow should be decommissioned in a near future.