

# Functional Documentation - P&L by BU (SODA Ash)

## 1.0 Overview

P&L by BU  
Menu

### Business Context and Application Overview

The P&L (Profit and Loss) application is part of the Finance domain using data from SAP systems, non-ERP system and BFC (Business Financial Consolidation) information based on data from COPA (Controlling - Profitability Analysis) a component from SAP CO (Controlling) module.

The aim of this application is to give a P&L reporting adapted to Soda Ash GBU requirements.

It is based on the corporate P&L query and offered special axis and calculation for Soda Ash.

### Application User Profile

For this Application the access is provided based on the BW menu "PL - Profit and Loss" and it's done via Service one.

Fill the form

<https://solway-dwp.onbmc.com/dwp/app/#/itemprofile/622>

In SAP system select the "WBP - BW Business Warehouse"

In WBP - BW Business Warehouse : Select the Business Role select the "PL - Profit and Loss"

#### Target Users:

Soda Ash controllers.

| VERSION | DATE       | MODIFIED BY  | DESCRIPTION   |
|---------|------------|--------------|---------------|
| 0.01    | 14.12.2023 | Inês Vilarés | Initial draft |
|         |            |              |               |
|         |            |              |               |

### Application Type

#### Data Product Type

- ☐ Dashboard
- ☒ Report
- ☐ Advanced analytics
- ☐ AI
- ☐ Others <specify which one>

#### Technologies

- ☒ BW
- ☐ Tableau
- ☐ QlikSense
- ☐ Talend
- ☐ Dataiku
- ☐ Others <specify which one>

#### Data Sources

*Note: list of all applications and various environment*

- ☒ SAP PF1 (Production environment)
- ☒ SAP WP1
- ☒ SAP PI1
- ☐ BW (versions)
- ☐ iCare CRM
- ☐ CORE CRM
- ☐ Others <specify the name of the source>

## 2.0 Business Process

The base is the same for the [Profit and Loss application in the functional documentation](#). We can see in that documentation the logic for the P&L.

For this application this was built in 2018 and the need was to provide a dedicated report only for GBU SD. This report is a separate report from the P&L reports.

This new report:

- is based for main Part on P&L datas;
- will construct Soda Ash business axis that are not existing in ERp or in actual BI reports;
  - SD BU;
  - Origin.
- retreat some functional flow :
  - redetermination of internal or external amounts
  - reallocation of transport cost between SD BU for specific flow
- recalculate some lines of the P&L (internal sales and COGS ) for specifics flows

On a monthly basis the business needs to analyzed the logistic costs and to verify the origin information to be able to see in more detail the flows associated to Soda Ash and the impact of the values in the P&L.

The Origin/Sourcing field will provide details on where the Soda Ash is produced (for example, it can be in Europe or North America), distinguishing whether the material is synthetic or natural.

The Scope field categorizes whether it is internal or external and further checks are conducted for these flows (for example, if it is Europe to Europe or Europe intra BICAR).

## 3.0 Application Feature Overview

For this scope we only have one query:

| Reports                                                         | Definition                                                                                                                                                                                                                            | Prompts                                                                                                                                                                                                                                      | BW Workbook Query | Query Technical Name |
|-----------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|----------------------|
| <b>BW P&amp;L by BU - Monthly Query (Soda Ash) (Core Query)</b> | This report shows the values with the P&L structure with the additional information for some fields required for Soda Ash to see the amounts and quantities in detail for the flows/operations with Soda Ash (external and internal). | Mandatory: <ul style="list-style-type: none"><li>• Calendar year.</li></ul> Optional: <ul style="list-style-type: none"><li>• Auth Scope on company Code;</li><li>• PRS Company Code;</li><li>• Company Code;</li><li>• Mngt Zone.</li></ul> | N.A               | BW_QRY_MVCOPA07_0001 |

## 4.0 Functional Specification

### 4.1 General Data/Calculations

The base is the same for the [Profit and Loss application in the functional documentation](#). We can see in that documentation the logic for the P&L.

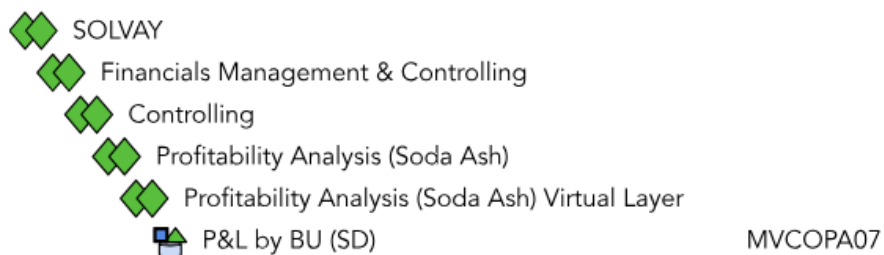
### 4.2 Process Detail

#### 4.2.1. Report/Process Definition

|             |                            |
|-------------|----------------------------|
| Domain      | Finance                    |
| Application | NA since it's only a query |
| Provider    | MVCOPA07                   |

### SAP BW High Level View

To see the data from the source systems see below how the information is organized in the BW perspective:



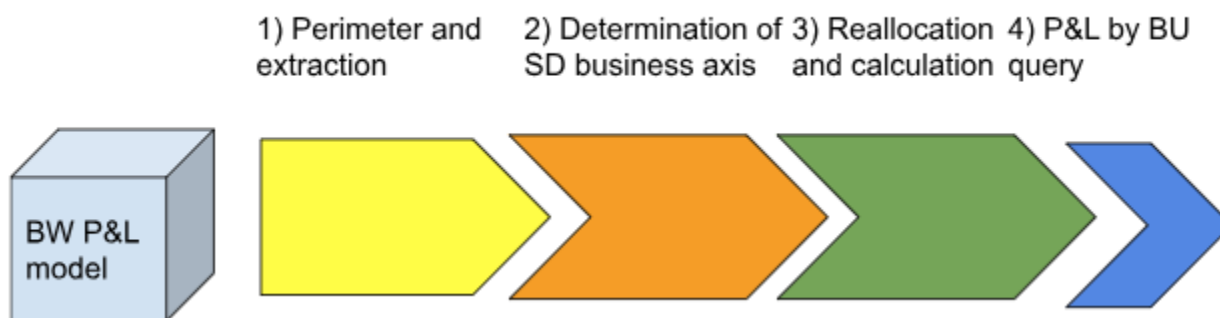
## General Requirements:

Assuming that BW is the selected tool it is recommended creating a separate model/cube in BW although fed by the existing BW P&L one.

Reasons:

- The calculations are done at an aggregated level and cannot be made for a detailed level
- The BFC R1000 / R15400 headings cancellation (aggregated level) involve complex cross data checks.
- The request is complex and it involves some performance risks.
- The new axis of BU SD is too complex to build in the existing P&L impacting the whole model volumetry side effects in other GBUs

### Macro process



We have the specifications for each step in the functional specification done in 2018.

## 5.0 Non-functional Descriptions

### 5.1 Usability

as per standard.

### 5.2 Regulatory Compliance

as per standard.

### 5.3 Security

as per standard.

### 5.4 Performance

as per standard.

## **5.5 Reliability**

as per standard.

## **5.6 Scalability**

as per standard.

## **5.7 Compatibility**

as per standard.

## **5.8 Availability**

as per standard.

## **5.9 Refresh of the Data**

The load for this report it's for working days around 3 a.m.