QuantityWare

Bulk Calculations – Solution BCS 3.0

Release Notes Maintenance Level 03/04

Delivery content shipped with BCS 30B CSP03 / BCS 30A CSP04

Notes

The latest version of this documentation can be found in the QuantityWare Knowledge Base. All documentation is kept current for the combinations of latest BCS release with the latest supported SAP Oil & Gas release. For all currently supported combinations see Note #000086 “Support and Release (Lifecycle) details” page 2, “Release Lifecycle”.

Your release level can be determined via:

“/o/QTYW/COCKPIT” -> “Cockpit” -> “Support Package Level” or

“/o/QTYW/COCKPIT_GAS” -> “Cockpit” -> “Support Package Level”

Version History

Version	Date	Description
00	2025-08-15	Initial Version

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Introduction

In 2006, QuantityWare GmbH was officially founded. Ten years after the initial release of BCP 1.0A (Bulk Calculations – Petroleum), **BCS 3.0 (Bulk Calculations – Solution)** was made available on 11.10.2016 to a constantly growing global customer base. Technically, the latest release of BCS (Bulk Calculation – Solution) is 30. The support for differing SAP Oil & Gas platforms is defined by the following letter:

A = ECC600 **B** = S/4HANA© 2025

E.g., the current BCS release supporting all current levels of SAP Oil & Gas on S/4HANA is **30B**. "Maintenance Levels" are delivered by QuantityWare via CSPs (Component Support Packages).

Previous BCS 30A/30B maintenance level release note locations:

- BCS 30A release notes for BCS 3.0 maintenance level (CSP) 00 are published here.
- BCS 30A release notes for BCS 3.0 maintenance level (CSP) 01 are published here. **(This is the BCS 30B CSP00 starting release level)**
- BCS 30A CSP02 / BCS 30B CSP01 release notes are published here.
- BCS 30A CSP03 / BCS 30B CSP02 release notes are published here.

Bulk Calculations - Solution (BCS) contains two products:

- Bulk Calculations - Petroleum (BCP)
- Bulk Calculations - Gas (BCG)

In terms of functionality, both **BCS 30B - Maintenance Level 03 (30B-03) and BCS 30A – Maintenance Level 04 (30A-04) are identical.** Due to this, 30B-03 is documented with the BCS 30A CSP04 (30A-04) documentation manual versions.

This document describes the functional and usability enhancements delivered with **30B-03** and **30A-04** for the two products listed above. The delivery date of this CSP is in **Q4 2025.**

1. QuantityCloud – ABAP Delivery

On October 14th 2024, QuantityWare announced the extension of our proven BCS solution to cloud applications – QuantityCloud.

QuantityCloud provides access to the QuantityWare BCS quantity conversion functionality to systems external to SAP, initially via an SAP BTP iFlow (API).

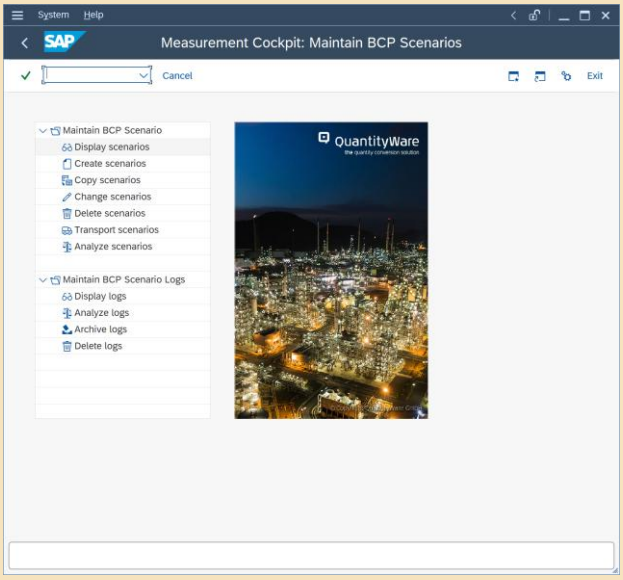
With this CSP, the fundamental ABAP components of the initial QuantityCloud solution are delivered.

All additional details – licensing, technical set up, integration, and usage – are provided via separate dedicated QuantityCloud documentation.

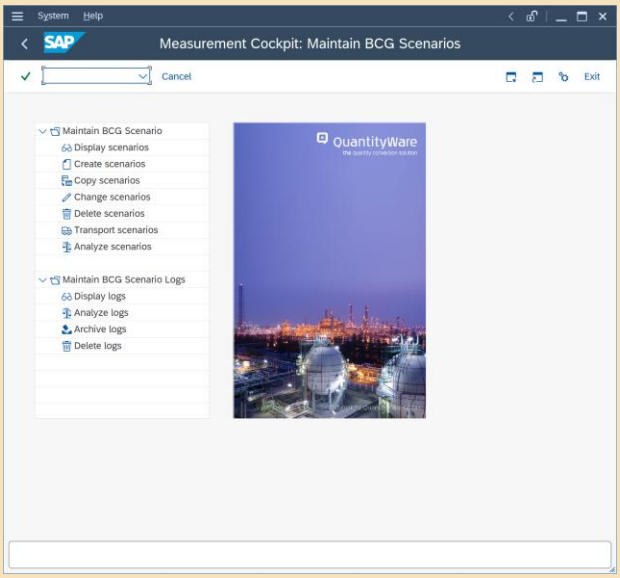
2. PMC and GMC – User Interface

The test scenario maintenance and log access has been re-designed and usability has been greatly enhanced (see AD note 000119 for details):

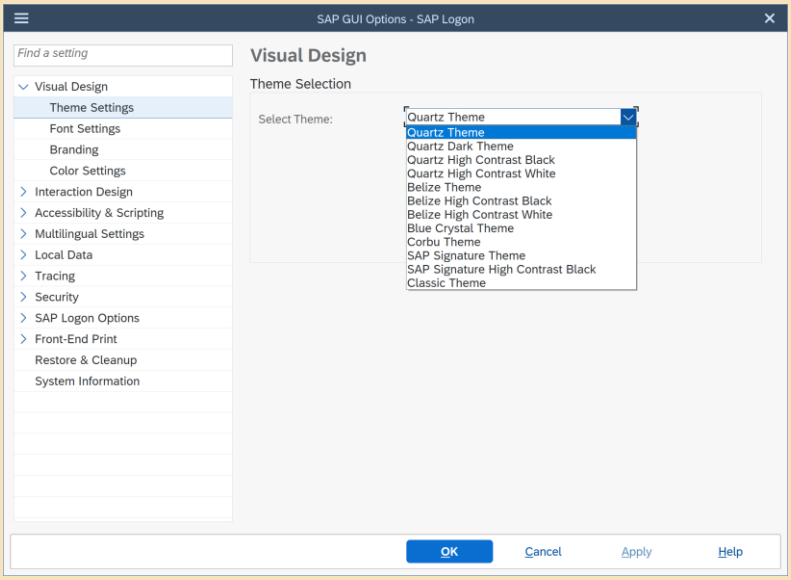
PMC:



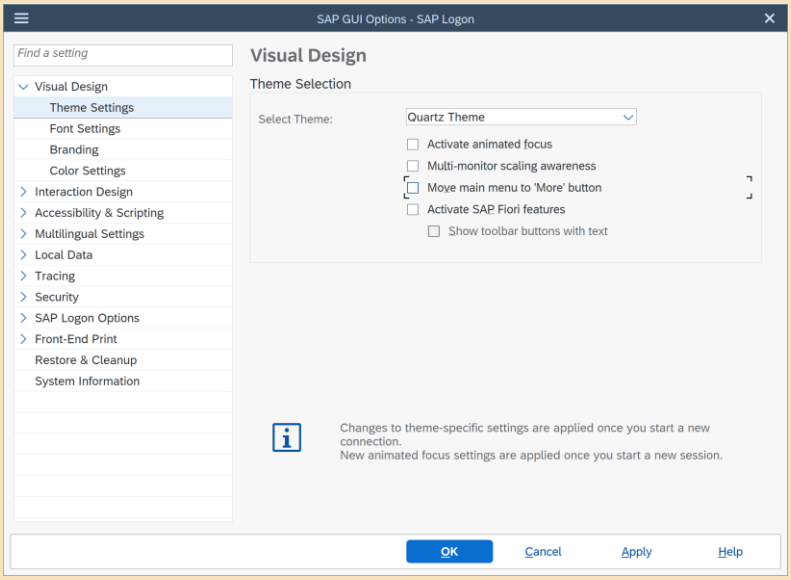
GMC:



No other major changes in the PMC and GMC UI have been made. All SAP GUI Themes are supported by the PMC and GMC – for the BCS documentation, QuantityWare is utilizing the **Quartz Theme**.



From a usability point of view, it is recommended to disable the “Move main menu to ‘More’ button” setting:



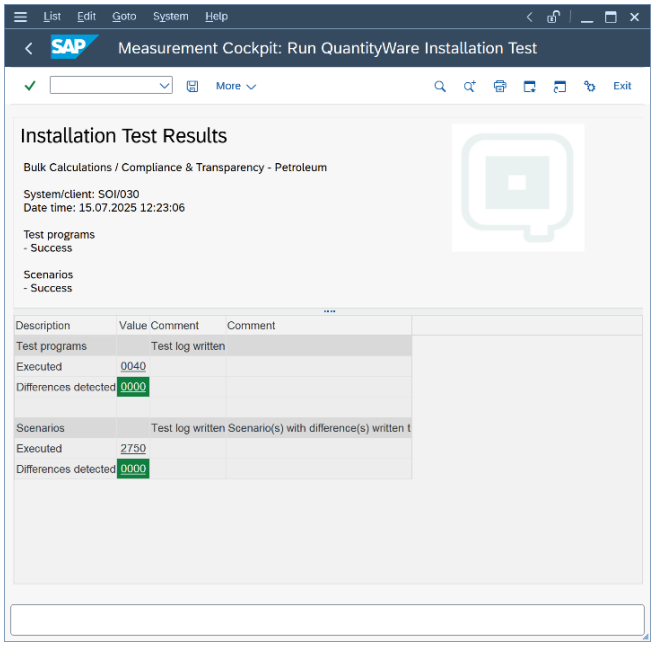
3. Template and Installation Test

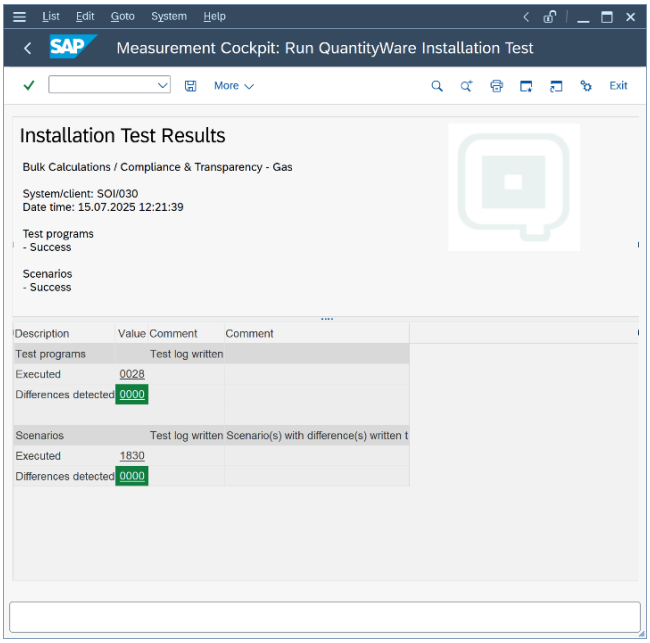
With BCS 30B-03 and BCS 30A-04, the BCP and BCG templates have been enhanced with new measurement standards configurations (conversion groups, reading groups, range groups etc.).

See chapter five for lists of new conversion, reading, and range groups.

Based on our 19 years of experience, the enhancements also consider additional feedback from our network of certified consultants and their expertise during implementation projects.

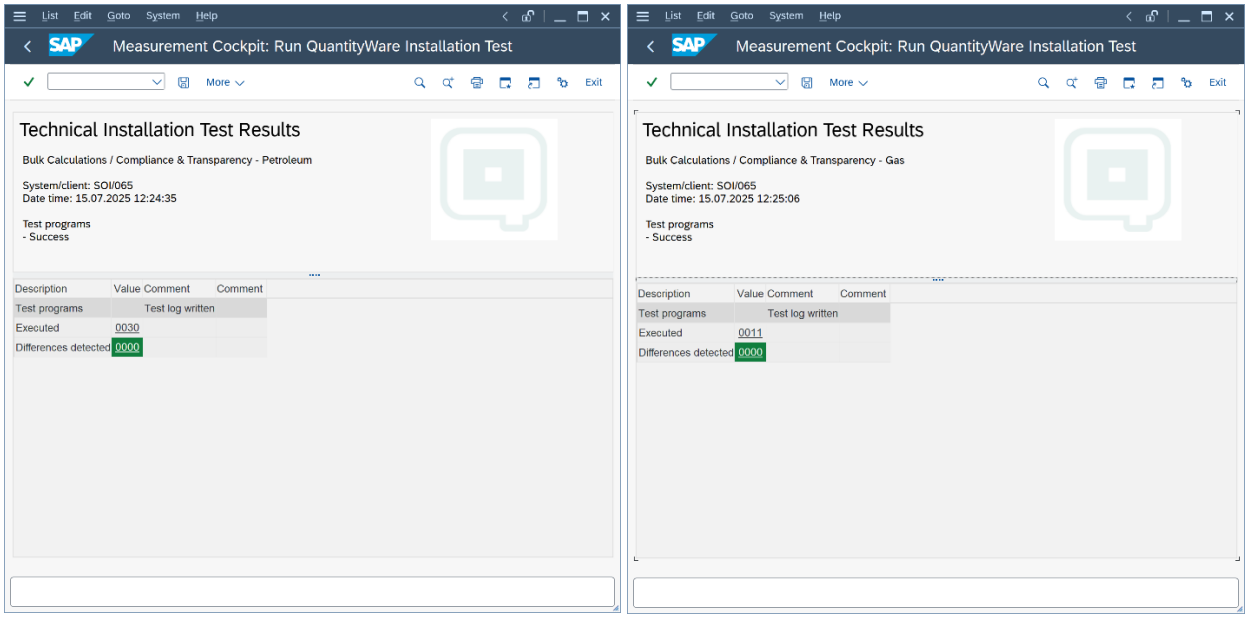
The BCP Installation Test and the BCG Installation Test have both been extended considerably – for BCP, 2750 Test Scenarios are delivered, for BCG 1830 Test Scenarios are delivered:





3.1. BCS Technical Installation Test - Enhancements

In 2023, a *Technical* Installation Test for BCP and BCG has been delivered. This test does not require the BCS template and may be executed in any system and client where BCP and/or BCG are/is installed. This test executes all purely ABAP based (configuration-independent) Installation Tests.



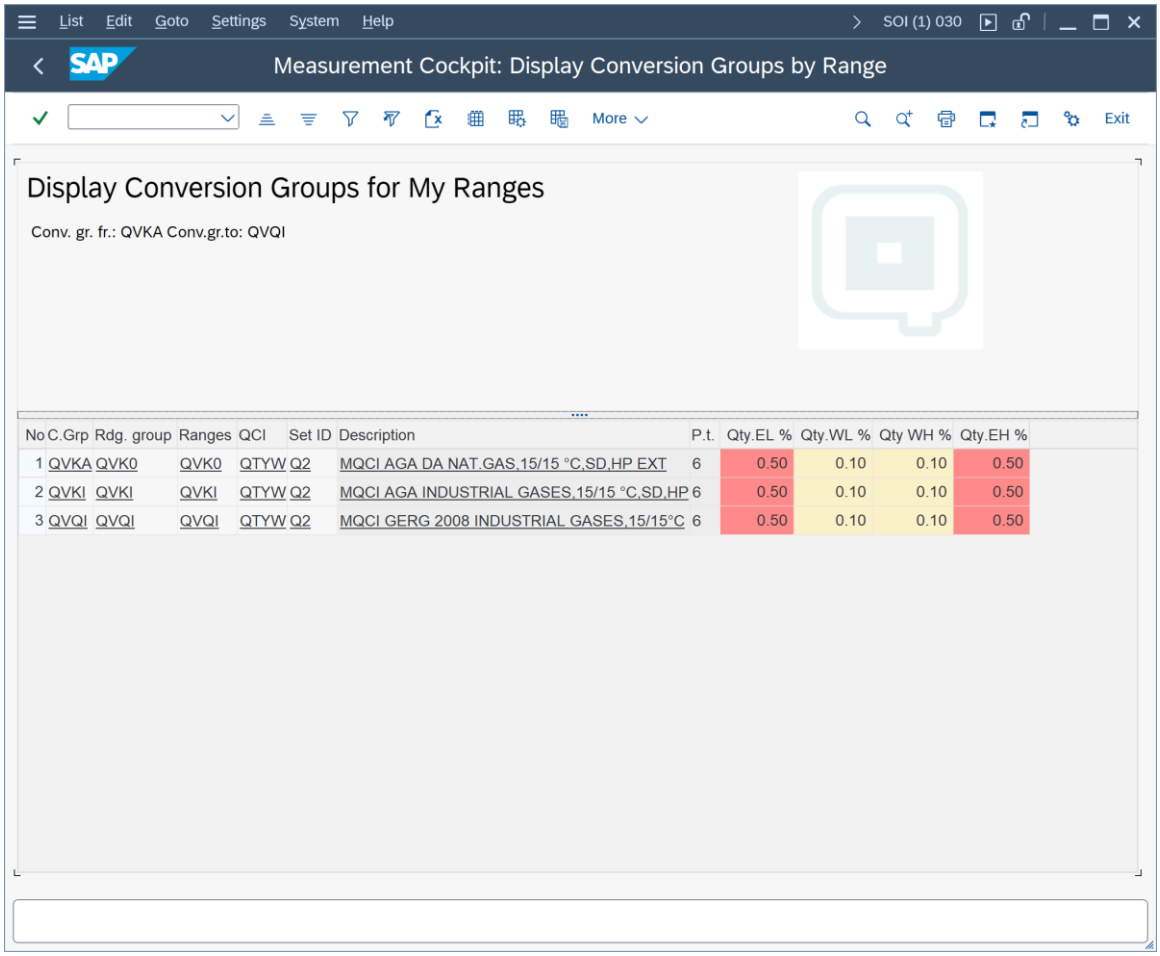
With this CSP, you may run the Technical Installation Test without a BCP or BCG usage key installed. The Technical Installation Test may be executed in any system and client, where BCS is installed.

In your BCS client 045 – available in one dedicated system in your landscape, the configuration template is accessible after BC set activation and the complete Installation Test (including the *Technical* Installation Test) must be executed there.

4. Petroleum and Gas Measurement Standards

4.1. New Template Conversion Groups for Industrial Gases

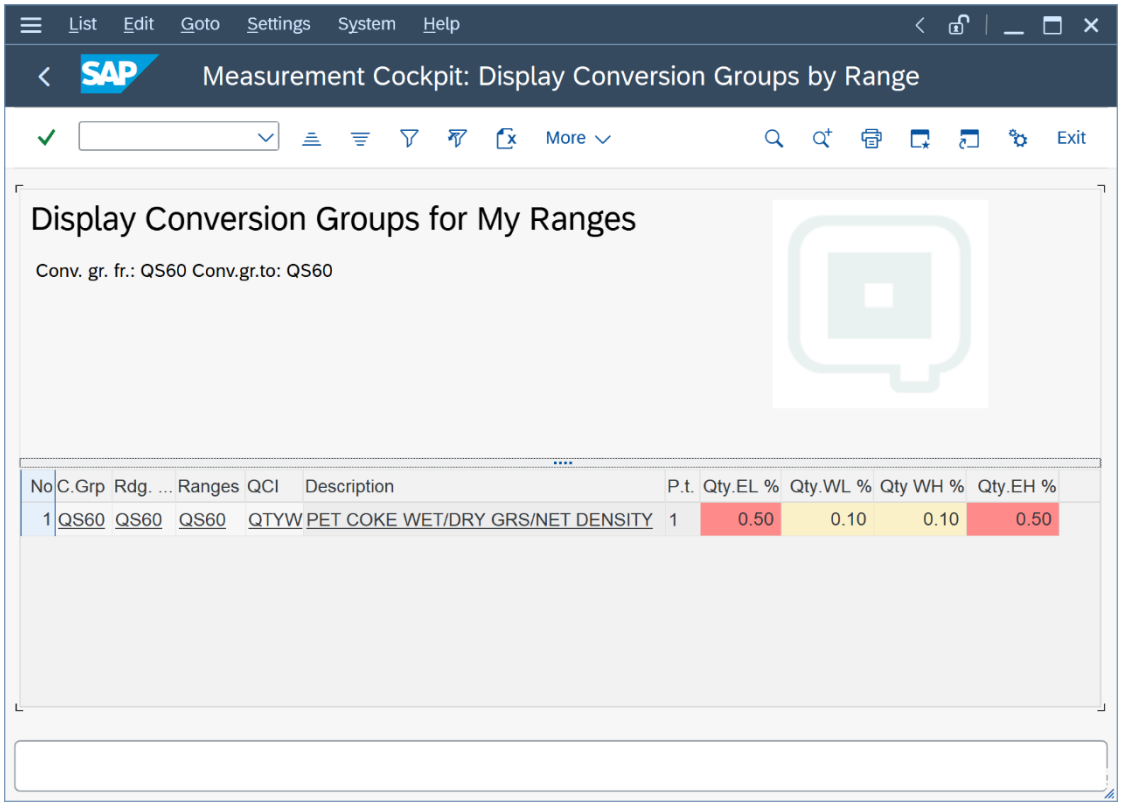
With this CSP, three new template conversion groups are delivered for industrial gases:



No	C.Grp	Rdg. group	Ranges	QCI	Set ID	Description	P.t.	Qty.EL %	Qty.WL %	Qty WH %	Qty.EH %
1	QVKA	QVK0	QVK0	QTYW	Q2	MQCI AGA DA NAT.GAS,15/15 °C,SD,HP EXT	6	0.50	0.10	0.10	0.50
2	QVKI	QVKI	QVKI	QTYW	Q2	MQCI AGA INDUSTRIAL GASES,15/15 °C,SD,HP	6	0.50	0.10	0.10	0.50
3	QVQI	QVQI	QVQI	QTYW	Q2	MQCI GERG 2008 INDUSTRIAL GASES,15/15°C	6	0.50	0.10	0.10	0.50

4.2. New Template Conversion Group for Pet Coke

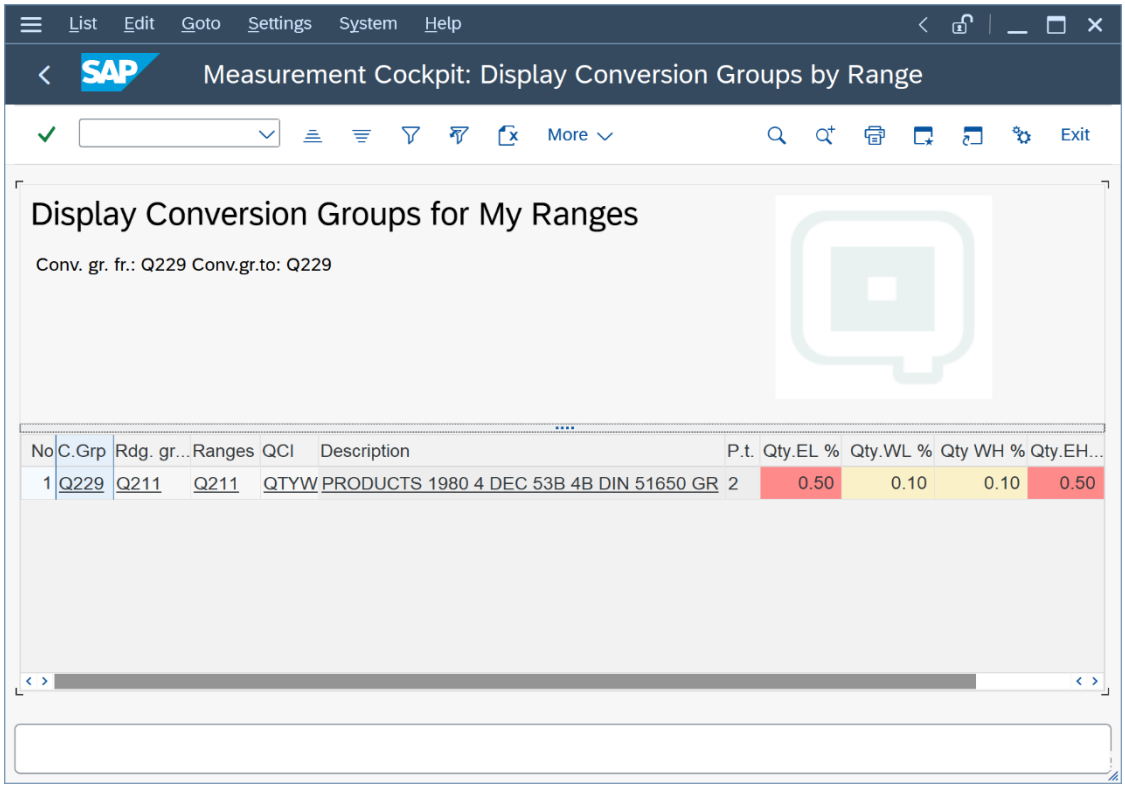
With this CSP, a new template conversion group is delivered for pet coke:



See Solid Products FAQ for details.

4.3. New Template Conversion Group for DIN 51650 Model

With this CSP, a new template conversion group is delivered that implements DIN 51650 and DIN 51757 calculations for products, including a one-step model extension function:



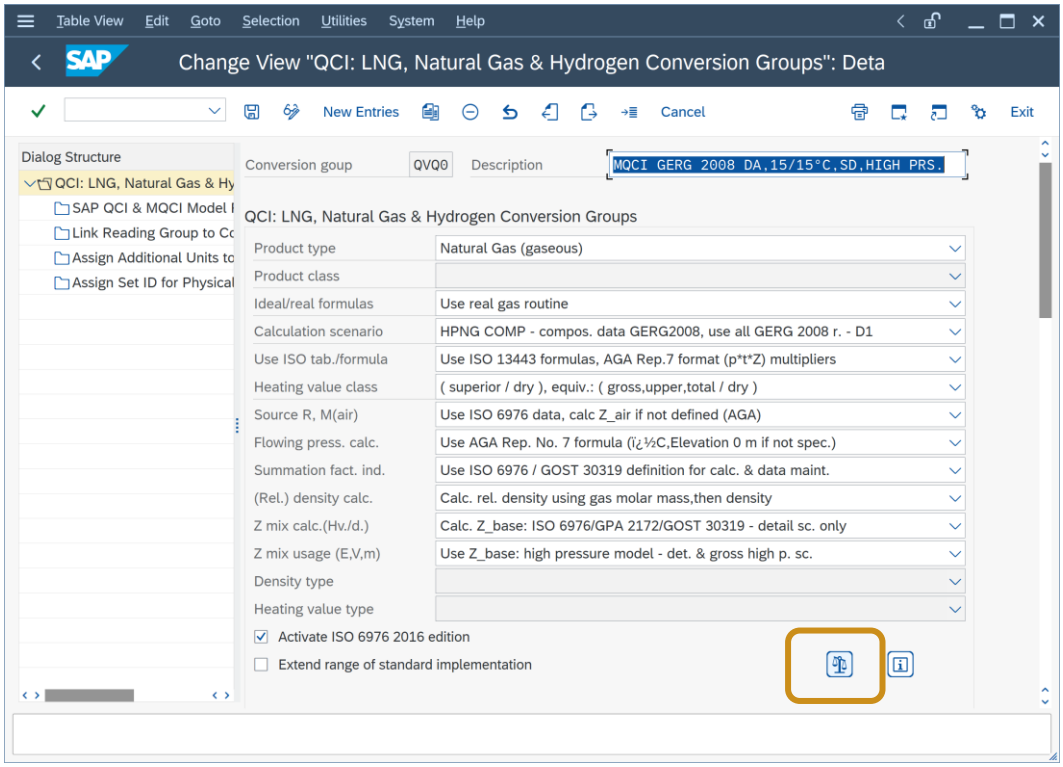
See note 000122 for details.

5. Application and Usage Specific Features

The following chapters describe the application and usage specific enhancements.

5.1. BCP & BCG Functionality

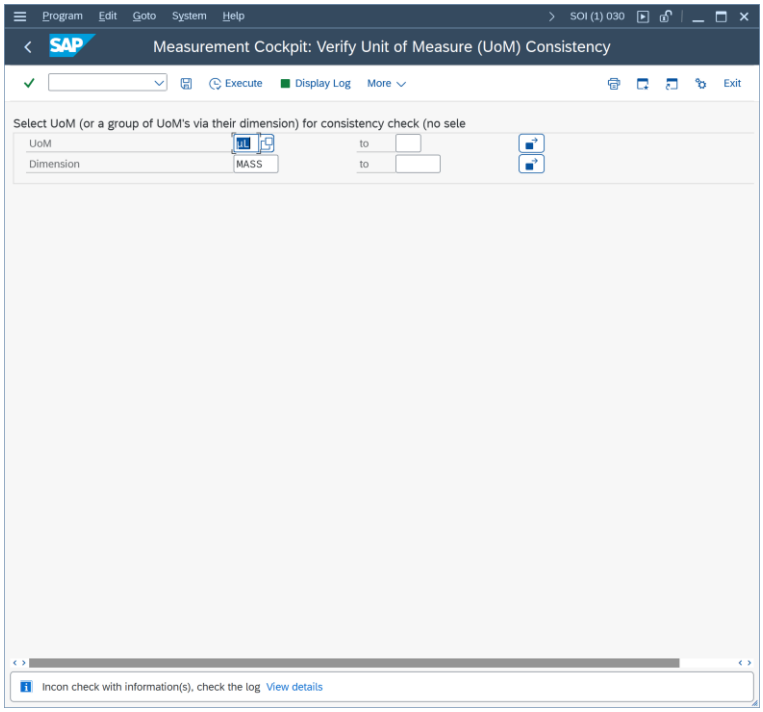
5.1.1. New BCG & BCP Check Logic

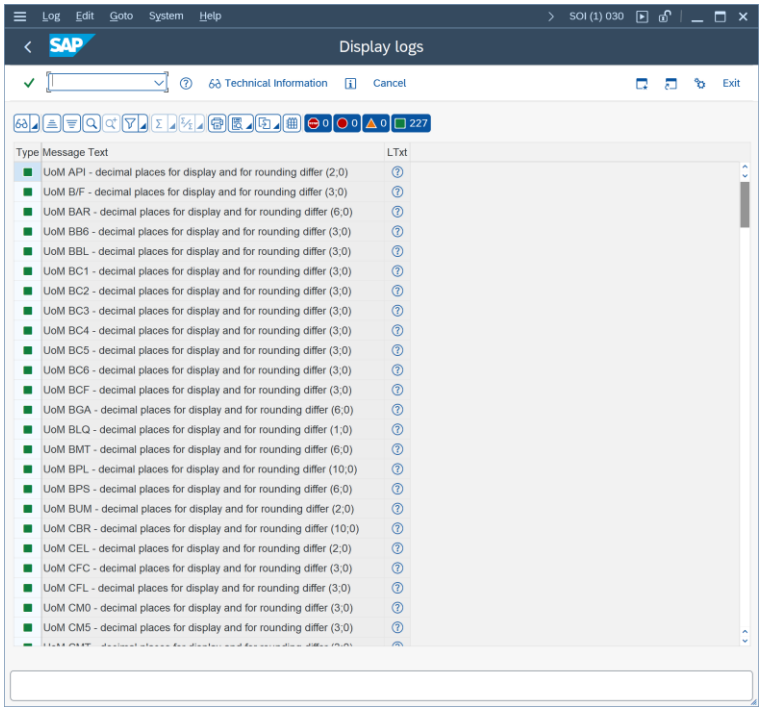


New check logic has been implemented for the MQCI conversion group check. The existing check logic has been reviewed and message types have been adjusted, based on feedback from our network of QWCC.

5.1.2. New UoM Technical Consistency Test

The existing UoM Technical Consistency Check has been completely renovated:





The check logic has been revised and is now documented with a long text for all issues found.

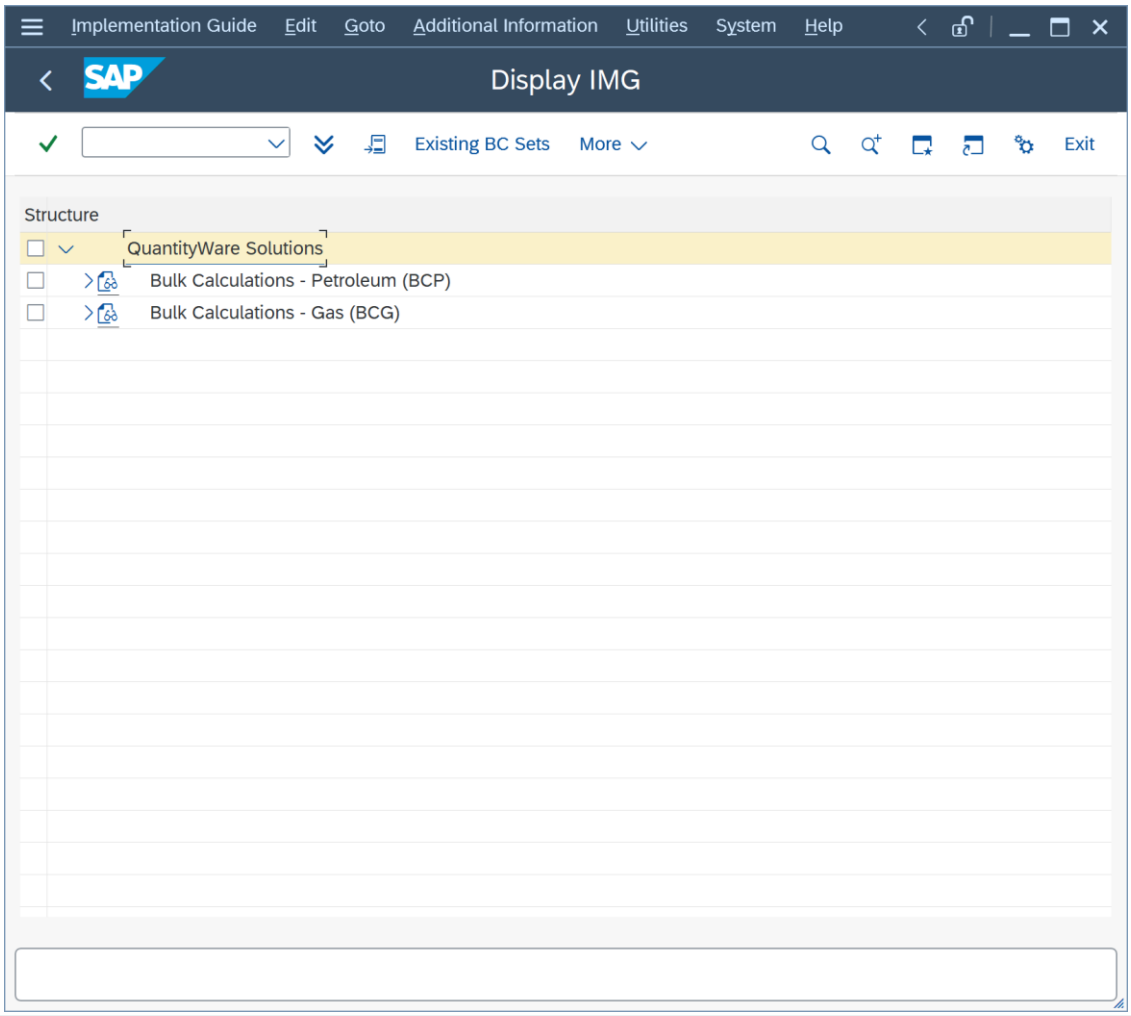
5.2. BCP & BCG Usability

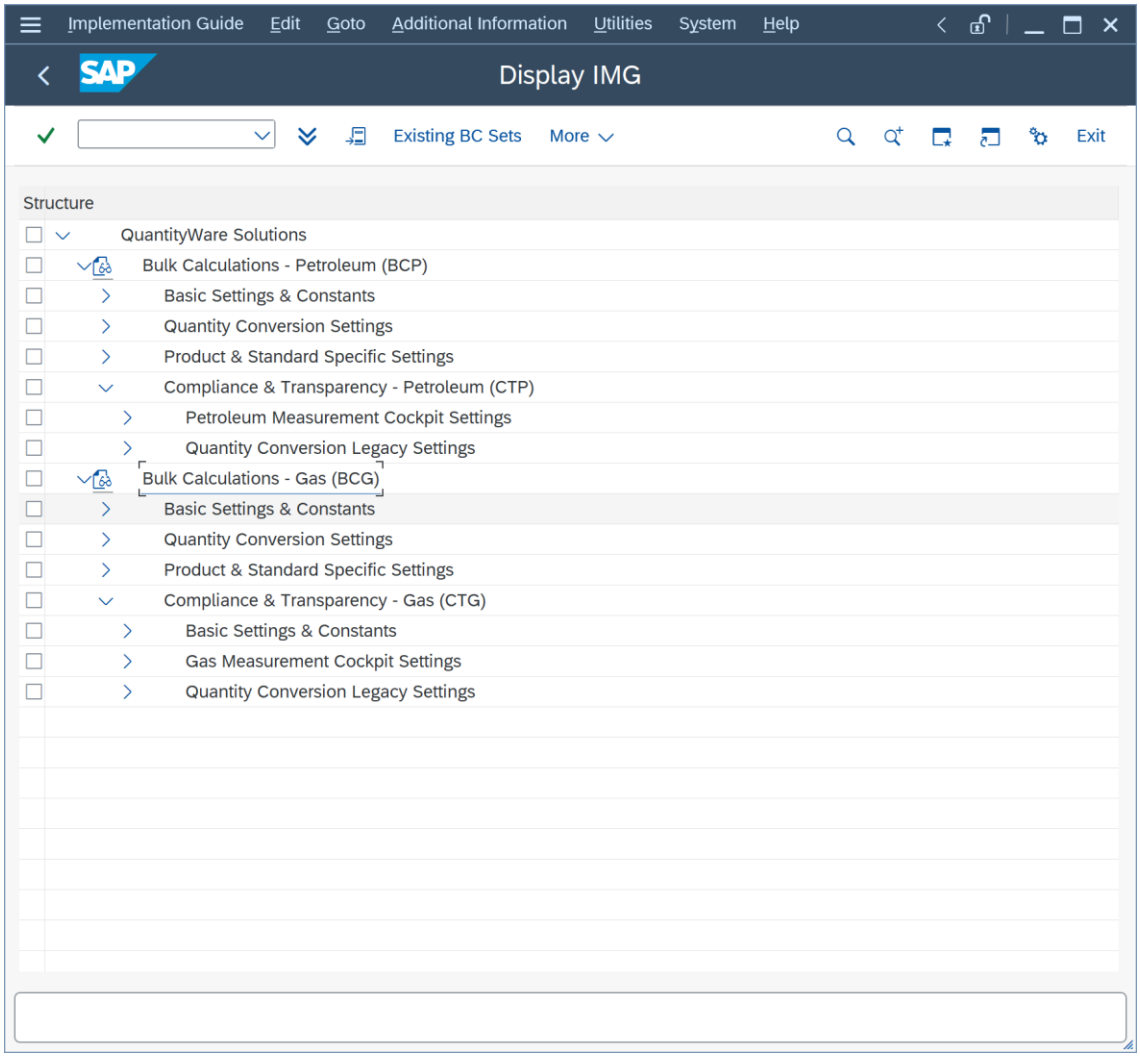
5.2.1. BCG & BCP – IMG Restructuring

The QuantityWare IMG has been restructured, to clarify that CTP and CTG are sub-products contained in BCP and BCG.

- CTP stands for "**C**ompliance & **T**ransparency – **P**etroleum". CTP is an integral part of BCP, delivered with QuantityWare BCS, programmed in SAP ABAP.
- CTG stands for "**C**ompliance & **T**ransparency – **G**as" . CTG is an integral part of BCG, delivered with QuantityWare BCS, programmed in SAP ABAP.

CTP and CTG provide BCS consultants and customers the ability to analyze, document and govern quantity conversion configurations and calculations (legacy SAP QCI configurations as well as state-of-the-art BCS configurations) from a central, structured transaction – the Petroleum Measurement Cockpit or the Gas Measurement Cockpit.




Implementation Guide
Edit
Goto
Additional Information
Utilities
System
Help
Display IMG
Existing BC Sets
More
Exit
Structure
QuantityWare Solutions
Bulk Calculations - Petroleum (BCP)
Basic Settings & Constants
Quantity Conversion Settings
Product & Standard Specific Settings
Compliance & Transparency - Petroleum (CTP)
Petroleum Measurement Cockpit Settings
Quantity Conversion Legacy Settings
Bulk Calculations - Gas (BCG)
Basic Settings & Constants
Quantity Conversion Settings
Product & Standard Specific Settings
Compliance & Transparency - Gas (CTG)
Basic Settings & Constants
Gas Measurement Cockpit Settings
Quantity Conversion Legacy Settings

6. BCP & BCG Notes

The following QuantityWare notes are contained in BCS 30B CSP03 and BCS 30A CSP04:

Note Number	Short Text	Link
000118	Runtime error CONVT_NO_NUMBER in report /QTYW/CP_QW_BCSET_UOM	https://www.quantityware.com/wp-content/uploads/Note-000118.pdf
000116	BCS 30x Collective Note - Corrections & Industrial Gases - Enhancements	https://www.quantityware.com/wp-content/uploads/Note-000116.pdf
000119	Test Scenario & Installation Test - Usability	https://www.quantityware.com/wp-content/uploads/Note-000119.pdf
000122	DIN 51650 Quantity Conversion Model Extension	https://www.quantityware.com/wp-content/uploads/Note-000122.pdf
000123	SYS Data Enrichment in Installation Test Log	https://www.quantityware.com/wp-content/uploads/Note-000123.pdf
000124	ABNT NBR 5992 - 2016 Range Extensions	https://www.quantityware.com/wp-content/uploads/Note-000124.pdf
000125	Incorrect Pressure Calculation Settings - GERG 2008 Customary UoM - Template Conversion Groups	https://www.quantityware.com/wp-content/uploads/Note-000125.pdf

7. BCS Documentation

With this BCS CSP, all BCS documentation manuals will be editorially revised and updated. All revised documents will be available in the QuantityWare knowledge base in December 2025.

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