QuantityWare

# Bulk Calculations – Solution BCS 10B

## Release Notes Maintenance Level 02

Listing of delivery content shipped with BCS CSP02

**14.11.2012**

## Notes:

© Copyright 2012 QuantityWare GmbH. All rights reserved.

*SAP, R/3, mySAP, mySAP.com, xApps, xApp, SAP NetWeaver, and other SAP products and services mentioned herein as well as their respective logos are trademarks or registered trademarks of SAP AG in Germany and in several other countries all over the world. All other product and service names mentioned are the trademarks of their respective companies.*

*Microsoft, Windows, SQL-Server, Powerpoint and Outlook are registered trademarks of Microsoft Corporation.*

*These materials and the information therein are subject to change without notice. These materials are provided by the company QuantityWare GmbH for informational purposes only. There is no implied representation or warranty of any kind, and QuantityWare GmbH shall not be liable for errors or omissions with respect to the materials provided. The only warranties for the products and services of QuantityWare GmbH are those set forth in the express warranty statements accompanying such products and services, if any. No statement within this document should be construed as constituting an additional warranty.*

# Contents

BULK CALCULATIONS – SOLUTION BCS 10B ..... I

RELEASE NOTES MAINTENANCE LEVEL 02 ..... I

Notes: ..... ii

Contents ..... iii

Introduction ..... 1

Application and Usage Specific Features ..... 2

CTP & CTG: Two New Products ..... 2

BCP/CTP & BCG/CTG Functionality ..... 3

New UoM Compliance Analysis Tool and Test ..... 3

Standard Lists for Materials ..... 4

Enhanced Material/Plant/Conversion Group Reporting ..... 5

New Business Document Analysis Tool ..... 6

BCP/CTP & BCG/CTG Usability ..... 7

Enhanced Usability ..... 7

License Validity Reporting ..... 7

Customizing Transport Optimization ..... 7

CTS Tool Renovation ..... 7

Enhanced Measurement Cockpit Navigation ..... 7

BCP and BCG Corrections ..... 8

Summary ..... 9

© QuantityWare

## Introduction

As described in the BCS 10B Release Notes for maintenance level 00 http://www.quantityware.com/_data/BCS_10B_ReleaseNotes_00.pdf, the QuantityWare products BCP and BCG are technically delivered in a single package via a single component BCS (Bulk Calculations – Solution).

The BCS 10B Release Notes for maintenance level 01 (CSP01) can be found here: http://www.quantityware.com/_data/BCS_10B_ReleaseNotes_01.pdf

In this document we described the functional and usability enhancements that will be delivered with BCS CSP02.

Planned delivery of CSP02 for BCS 10B on ERP 6.0 is 31/12/2012.

© QuantityWare

## Application and Usage Specific Features

### CTP & CTG: Two New Products

Understanding the Energy Industries' needs and requirements, QuantityWare will be releasing two new products:

- Compliance & Transparency - Petroleum (CTP)
- Compliance & Transparency - Gas (CTG)

These products will be delivered in December 2012 as a part of the Bulk Calculations - Solution (BCS) component support package 02.

Designed exclusively for "installed base" SAP Oil & Gas customers utilizing existing quantity conversion calculation methods such as "ASTM/API executables" or in-house developments, CTP and CTG allow customers to:

- Define, manage, execute and analyze reference bulk quantity calculation scenarios in all their SAP Oil & Gas ERP systems
- Enable access to some of the most powerful calculation & documentation tools available within the proven QuantityWare Measurement Cockpits for both petroleum (including associated liquid products) and gas products.

These features provide business organizations with reassurance as to the fulfillment of their legal and contractual responsibilities, while providing their GRC-authorities with a comfortable, flexible, accurate and reliable tool which:

- Allows corporations to demonstrates Governance of the most essential of all topics for an energy company - bulk quantity conversions in a truly transparent manner
- Allows Risk assessment of calculation changes and possible differences, as well as actively mitigating certain existing risks
- Allows Compliance to business-defined calculation requirements to be assessed and reported "in-system".

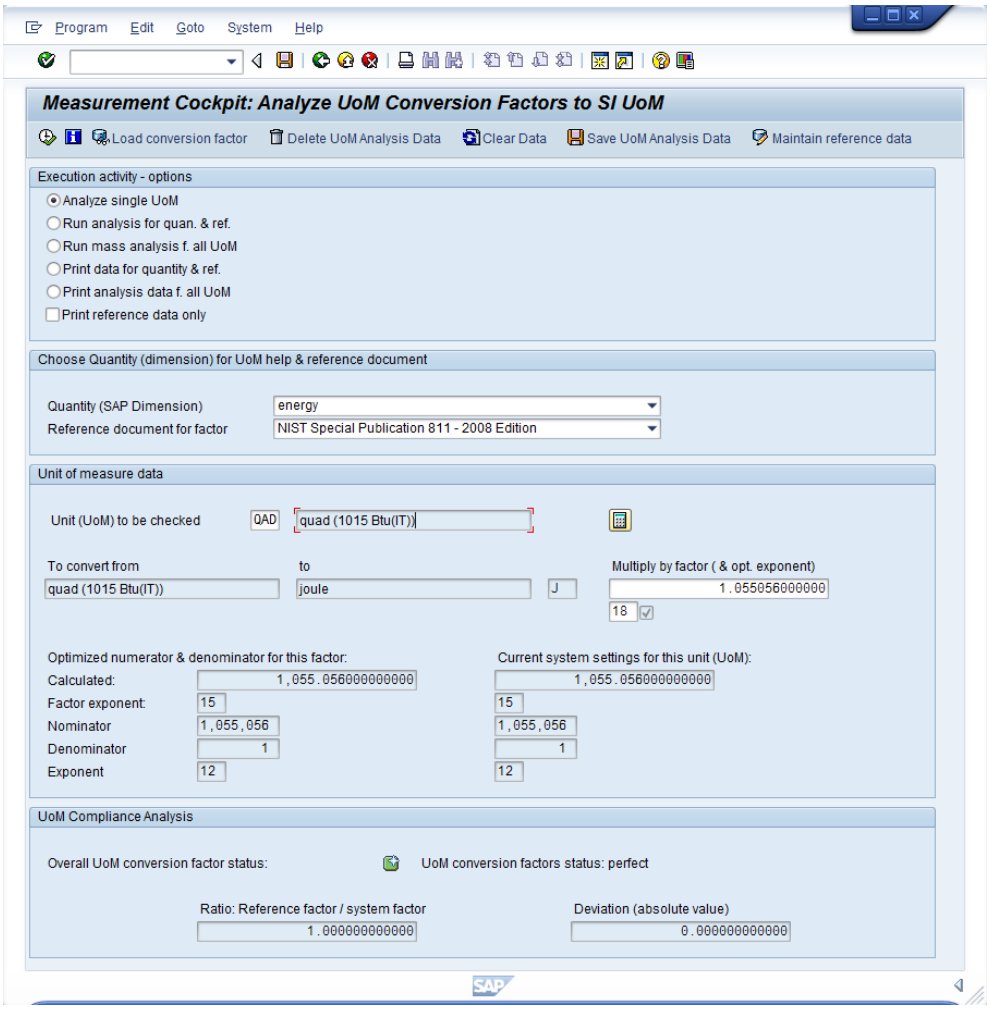
The original product announcement can be found here:
http://www.quantityware.com/_data/NI_CTP_and_CTG_announcement.pdf

## BCP/CTP & BCG/CTG Functionality

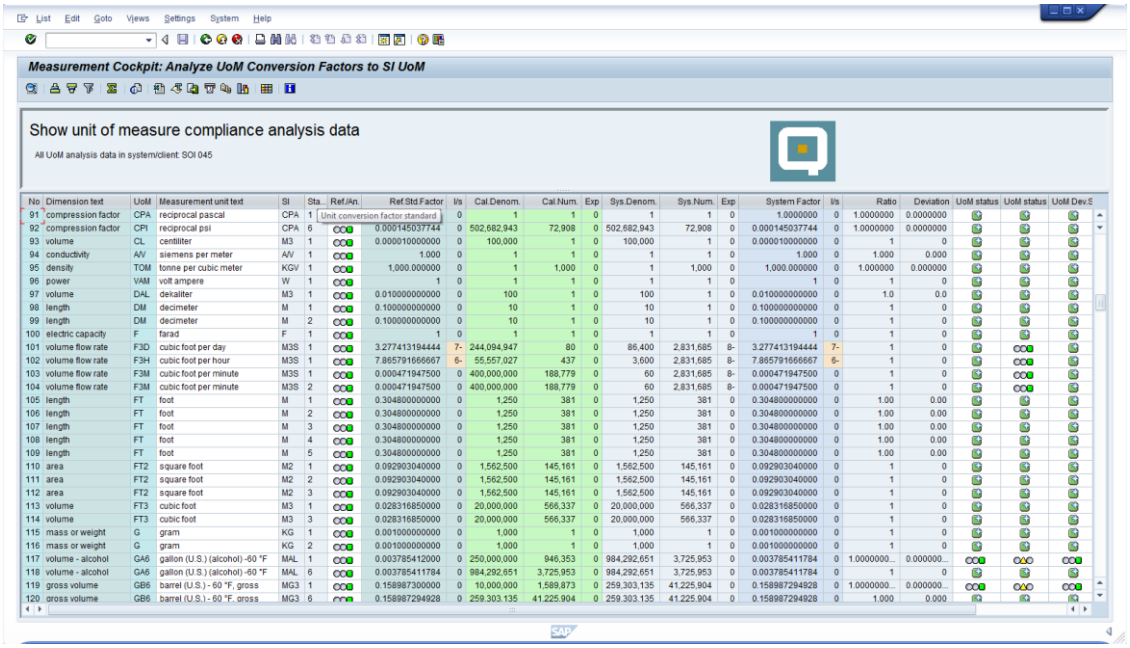
The Petroleum Measurement Cockpit (PMC for BCP & CTP) and Gas Measurement Cockpit (GMC for BCG & CTG) are the single access point to BCP,CTP, BCG and CTG functionality for your petroleum and gas measurement experts. The following PMC and GMC enhancements are delivered with BCS CSP02.

### New UoM Compliance Analysis Tool and Test

The UoM Compliance Tool enables definition of validated UoM conversion factors, which are defined in measurement standards as well as manual or automated comparison of the validated reference conversion factors with your system settings. QuantityWare delivers more than 500 validated UoM reference conversion factors as part of the BCS template BC sets for all four products.

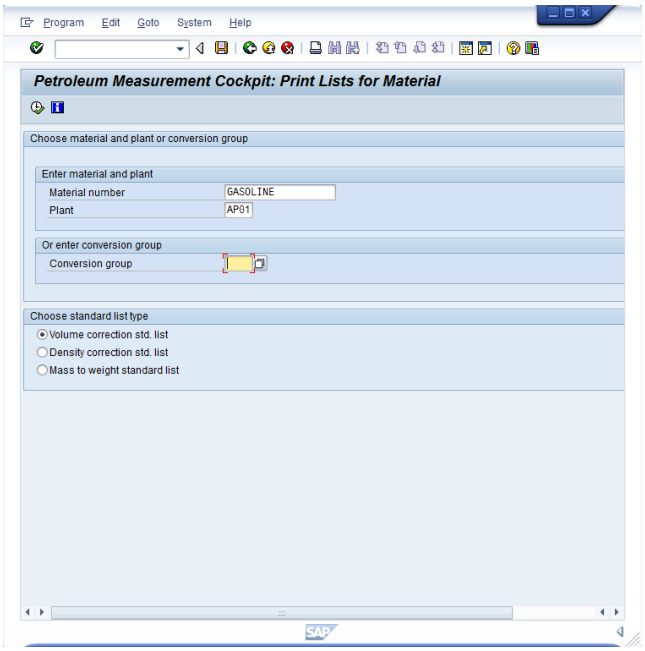


You achieve 100% compliance in this important area of quantity conversion configurations with the UoM Compliance Analysis Test Report:



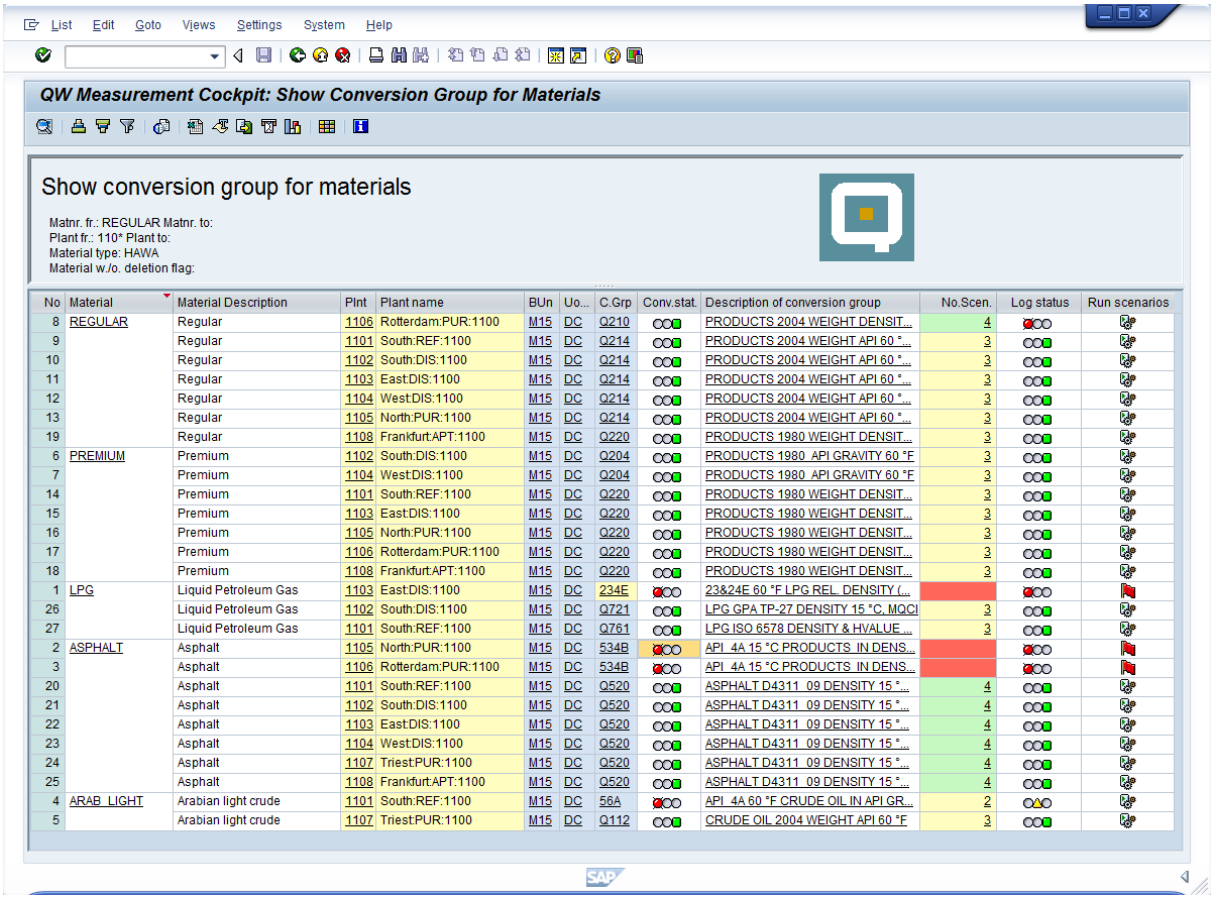

## Standard Lists for Materials

For your material at plant level, you are now able to determine the assigned volume correction standard lists and mass-to-weight standard list directly, you simply enter the material and plant and decide which list type you wish to print, and the system automatically determines the correct lists for the material and plant:



## Enhanced Material/Plant/Conversion Group Reporting

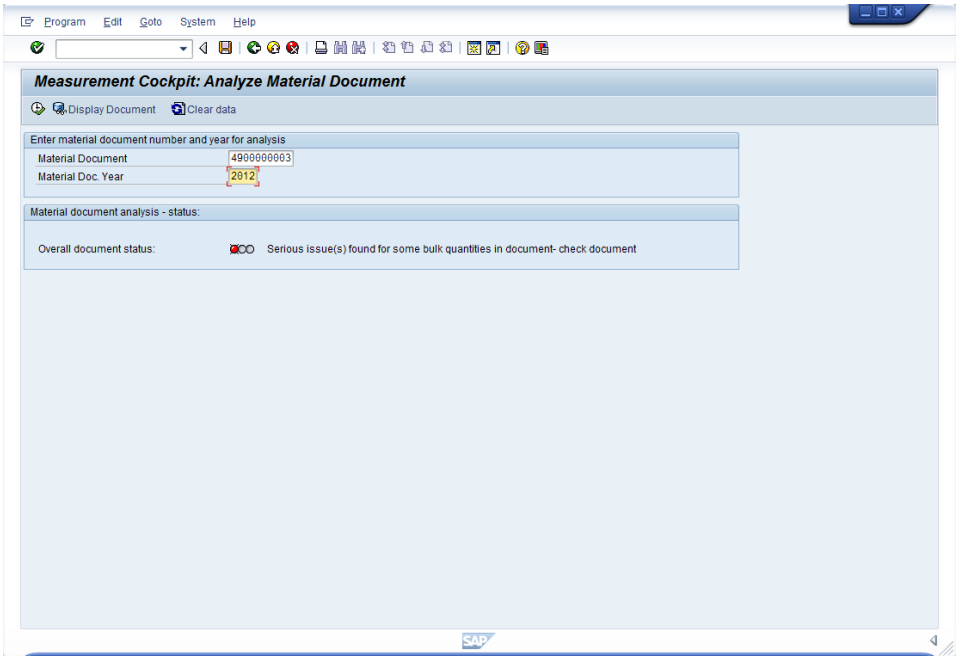
Via the central product assignment report, you display for your bulk oil & gas materials the assignment of conversion groups to materials and plants. With CSP02, the QuantityWare test scenario tools and the extended conversion group checks are now tightly integrated into this report. Once you have selected for a range of materials the conversion group assignments, the conversion group status and the test scenario status is readily available to the Petroleum or Gas Measurement Specialist, who is responsible for the correctness of production quantity conversions; navigation to all status details is available with one click, as well as navigation to display the material master and relevant material movement document (if authority is assigned). Test scenarios can be executed directly from this comprehensive overview list, such that a complete status for all quantity conversion calculations in production is readily available:



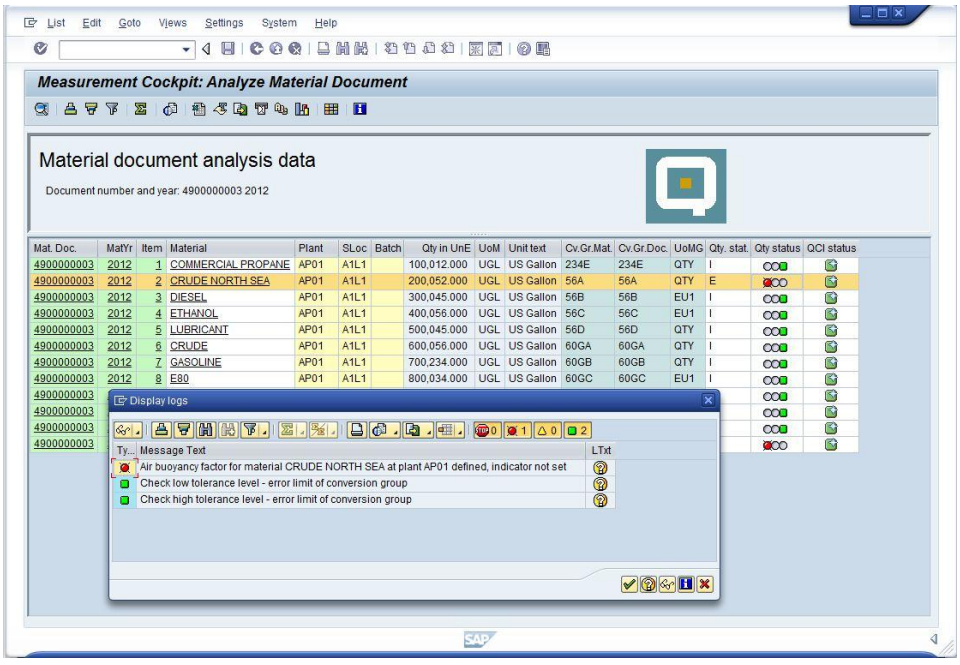

| No | Material | Material Description | Plnt | Plant name | BUn | Uo... | C.Grp | Conv.stat. | Description of conversion group | No.Scen. | Log status | Run scenarios |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 8 | REGULAR | Regular | 1106 | Rotterdam:PUR:1100 | M15 | DC | Q210 | | PRODUCTS 2004 WEIGHT DENSIT... | 4 | | |
| 9 | | Regular | 1101 | South:REF:1100 | M15 | DC | Q214 | | PRODUCTS 2004 WEIGHT API 60 °... | 3 | | |
| 10 | | Regular | 1102 | South:DIS:1100 | M15 | DC | Q214 | | PRODUCTS 2004 WEIGHT API 60 °... | 3 | | |
| 11 | | Regular | 1103 | East:DIS:1100 | M15 | DC | Q214 | | PRODUCTS 2004 WEIGHT API 60 °... | 3 | | |
| 12 | | Regular | 1104 | West:DIS:1100 | M15 | DC | Q214 | | PRODUCTS 2004 WEIGHT API 60 °... | 3 | | |
| 13 | | Regular | 1105 | North:PUR:1100 | M15 | DC | Q214 | | PRODUCTS 2004 WEIGHT API 60 °... | 3 | | |
| 19 | | Regular | 1108 | Frankfurt:APT:1100 | M15 | DC | Q220 | | PRODUCTS 1980 WEIGHT DENSIT... | 3 | | |
| 6 | PREMIUM | Premium | 1102 | South:DIS:1100 | M15 | DC | Q204 | | PRODUCTS 1980 API GRAVITY 60 °F | 3 | | |
| 7 | | Premium | 1104 | West:DIS:1100 | M15 | DC | Q204 | | PRODUCTS 1980 API GRAVITY 60 °F | 3 | | |
| 14 | | Premium | 1101 | South:REF:1100 | M15 | DC | Q220 | | PRODUCTS 1980 WEIGHT DENSIT... | 3 | | |
| 15 | | Premium | 1103 | East:DIS:1100 | M15 | DC | Q220 | | PRODUCTS 1980 WEIGHT DENSIT... | 3 | | |
| 16 | | Premium | 1105 | North:PUR:1100 | M15 | DC | Q220 | | PRODUCTS 1980 WEIGHT DENSIT... | 3 | | |
| 17 | | Premium | 1106 | Rotterdam:PUR:1100 | M15 | DC | Q220 | | PRODUCTS 1980 WEIGHT DENSIT... | 3 | | |
| 18 | | Premium | 1108 | Frankfurt:APT:1100 | M15 | DC | Q220 | | PRODUCTS 1980 WEIGHT DENSIT... | 3 | | |
| 1 | LPG | Liquid Petroleum Gas | 1103 | East:DIS:1100 | M15 | DC | 234E | | 23&24E 60 °F LPG REL. DENSITY (... | | | |
| 26 | | Liquid Petroleum Gas | 1102 | South:DIS:1100 | M15 | DC | Q721 | | LPG GPA TP-27 DENSITY 15 °C, MQCI | 3 | | |
| 27 | | Liquid Petroleum Gas | 1101 | South:REF:1100 | M15 | DC | Q761 | | LPG ISO 6578 DENSITY & HVALUE ... | 3 | | |
| 2 | ASPHALT | Asphalt | 1105 | North:PUR:1100 | M15 | DC | 534B | | API 4A 15 °C PRODUCTS IN DENS... | | | |
| 3 | | Asphalt | 1106 | Rotterdam:PUR:1100 | M15 | DC | 534B | | API 4A 15 °C PRODUCTS IN DENS... | | | |
| 20 | | Asphalt | 1101 | South:REF:1100 | M15 | DC | Q520 | | ASPHALT D4311 09 DENSITY 15 °... | 4 | | |
| 21 | | Asphalt | 1102 | South:DIS:1100 | M15 | DC | Q520 | | ASPHALT D4311 09 DENSITY 15 °... | 4 | | |
| 22 | | Asphalt | 1103 | East:DIS:1100 | M15 | DC | Q520 | | ASPHALT D4311 09 DENSITY 15 °... | 4 | | |
| 23 | | Asphalt | 1104 | West:DIS:1100 | M15 | DC | Q520 | | ASPHALT D4311 09 DENSITY 15 °... | 4 | | |
| 24 | | Asphalt | 1107 | Triest:PUR:1100 | M15 | DC | Q520 | | ASPHALT D4311 09 DENSITY 15 °... | 4 | | |
| 25 | | Asphalt | 1108 | Frankfurt:APT:1100 | M15 | DC | Q520 | | ASPHALT D4311 09 DENSITY 15 °... | 4 | | |
| 4 | ARAB LIGHT | Arabian light crude | 1101 | South:REF:1100 | M15 | DC | 56A | | API 4A 60 °F CRUDE OIL IN API GR... | 2 | | |
| 5 | | Arabian light crude | 1107 | Triest:PUR:1100 | M15 | DC | Q112 | | CRUDE OIL 2004 WEIGHT API 60 °F | 3 | | |

## New Business Document Analysis Tool

You can now analyze your business documents (material documents, physical inventory document, deliveries) via the PMC or GMC: Your inventory manager reports that a customer has issued a complaint which he traced back to a material document. You enter the material document number and year and simply press the “Return” key. The overall analysis result is immediately displayed:




If issues are found, you select “Execute” (F8) and a detailed analysis list is displayed:



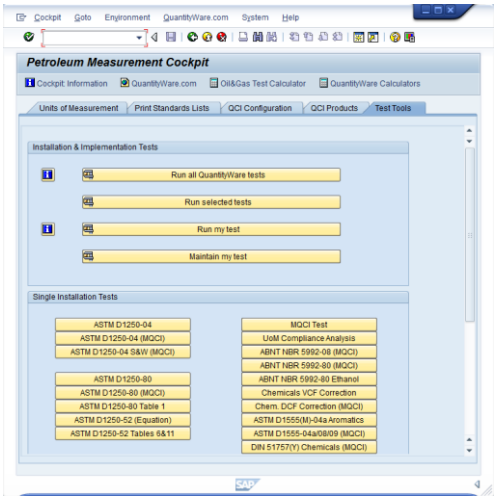
## BCP/CTP & BCG/CTG Usability

Reflecting the constructive and important feedback from customers and consultants who work with the Petroleum and Gas Measurement Cockpit, the following PMC and GMC usability enhancements are delivered with BCS CSP02:

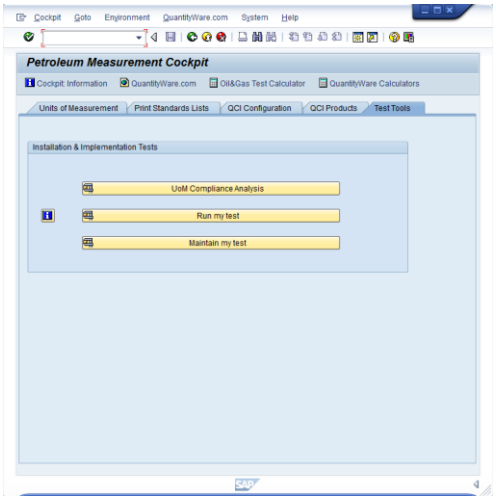
### Enhanced Usability

PMC and GMC functions which are only relevant in client 045 are not visible in other clients, simplifying the user experience:

Template Client (045)




Non-Template Client




### License Validity Reporting

New license expiration messages within the PMC or GMC (made available as pre-shipment with QuantityWare note 000040)

### Customizing Transport Optimization

Automatic inclusion of complete conversion group customizing into one customizing transport via PMC or GMC (made available as pre-shipment with QuantityWare note 000040)

### CTS Tool Renovation

Harmonization of all transport collection tools (Usage of customizing requests and standard SAP dialog, also for test scenarios/ made available as pre-shipment with QuantityWare note 000040)

### Enhanced Measurement Cockpit Navigation

Improved – direct - navigation between PMC and GMC functions

### BCP and BCG Corrections

QuantityWare notes 000036, 37, 38, 39, 40, 41, 42 and 43 are contained in CSP02:

| Note Number | Short Text | Link |
|---|---|---|
| 000036 | BCG 10B Gas Property Calculator ignores UoM conversion | http://www.quantityware.com/_data/note-000036.pdf |
| 000037 | BCS 10B QuantityWare BC set UoM definitions | http://www.quantityware.com/_data/note-000037.pdf |
| 000038 | BCP 10B ASTM D4311-04 incorrect list printing | http://www.quantityware.com/_data/note-000038.pdf |
| 000039 | BCS 10B Advanced Development – Conversion Group Transport Builder | http://www.quantityware.com/_data/note-000039.pdf |
| 000040 | BCS 10B Harmonization of Transport Collection Tools/License Warning | http://www.quantityware.com/_data/note-000040.pdf |
| 000041 | BCS 10B Short Dump during PDF List Printing | http://www.quantityware.com/_data/note-000041.pdf |
| 000042 | BCS 10B ASTM D633-2011: User Interface (UI) confirmation/Linear model list printing correction | http://www.quantityware.com/_data/note-000042.pdf |
| 000043 | BCS 10B Gas Measurement Cockpit – minor corrections | http://www.quantityware.com/_data/note-000043.pdf |

In addition to these corrections and advanced developments - delivered already as individual notes - the following corrections within the PMC and GMC are provided:

- The performance of the central material/plant/conversion group analysis report (access via PMC or GMC -> “Conversion group for materials”) has been enhanced – new join-select statements to directly select all relevant MARC table entries for bulk materials

- Functions /QTYW/BCP_CALC_CTPL, /QTYW/BCP_CALC_CTPL_CHEM and /QTYW/BCP_CALC_LPG: New result parameters VCF1 and VCF2 have been added, such that SAP QCI conversion group calculations also provide a VCF “observed to base” as additional result

- The ASTM Table 1 print has been enhanced. ASTM Table 1 (2008) provides factors with up to 10 decimal places; up until this correction, the display was restricted to 8 decimals

- Removal of several STOP statements during ALV list details display. If a configuration issue is reported via a warning “W” or information “I” message in the ALV lists, a short dump may occur due to an incorrect STOP statement which cannot be processed in that ALV context

### Summary

The release of CSP02 marks an important step in the usability of the QuantityWare solution and its support of efforts to apply GRC and transparency principles to an unassuming but vital area of corporate business. The fundamental responsibilities of transparency and reliability are often not visibly demonstrated in this area, however if the bulk calculations figures are not transparently calculated and explainable, the entire business construct of financial accounting and it associated GRC efforts has a structural weakness which could result in extensive losses, in revenue and corporate respectability.

© QuantityWare