

**Bulk Calculations –
Solution
BCS 10B**

Release Notes
Maintenance level 00

Notes:

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Introduction

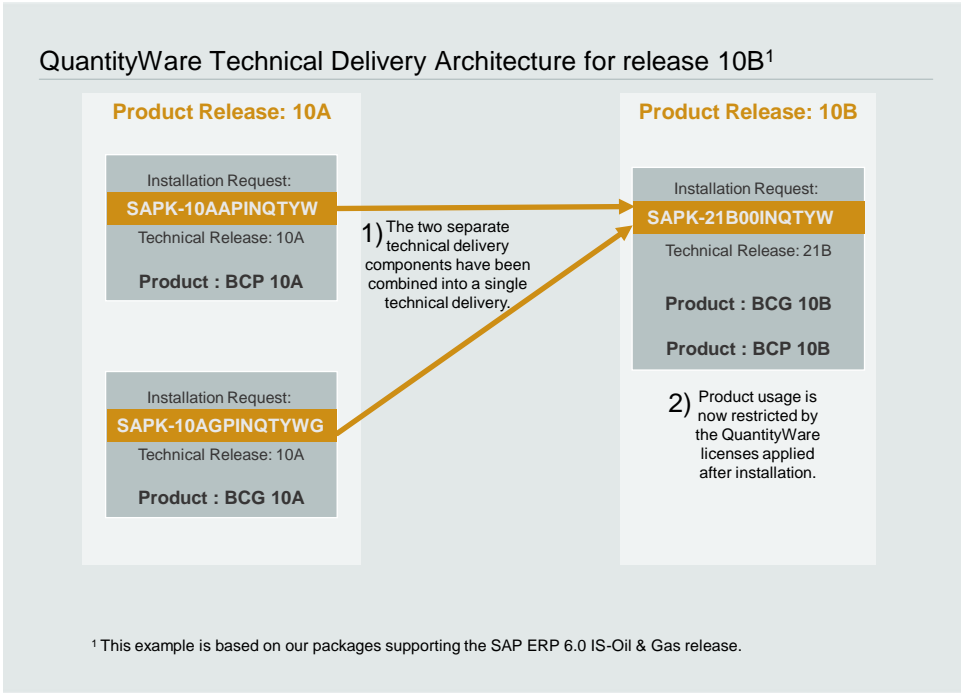
This document provides an overview of the changes that have taken place between the release of the last CSP for QuantityWare BCP 10A (number 12) and the release of QuantityWare BCP 10B (Bulk Calculations – Petroleum). It contains both technical and high-level information.

Release Delivery Architecture

The major technical change for release 10B is in the way in which we deliver our software.

During release level 10A, BCP and BCG were delivered as two separate COMPONENTS, i.e. delivery packages and maintenance packages were available for the PRODUCT BCP 10A, and the PRODUCT BCG 10A.

We have now consolidated our delivery technique so that the PRODUCT BCP 10B and the PRODUCT BCG 10B are delivered in a single PACKAGE, via a single COMPONENT – “BCS 21B” (Bulk Calculations Solution):



The PRODUCTS BCP and BCG are still separately licensed and are activated with separate license keys, however only one installation is required, and a single set of support packages reduces complexity for everyone during the maintenance cycle. It also has the result that we only need to certify one component with SAP, instead of two.

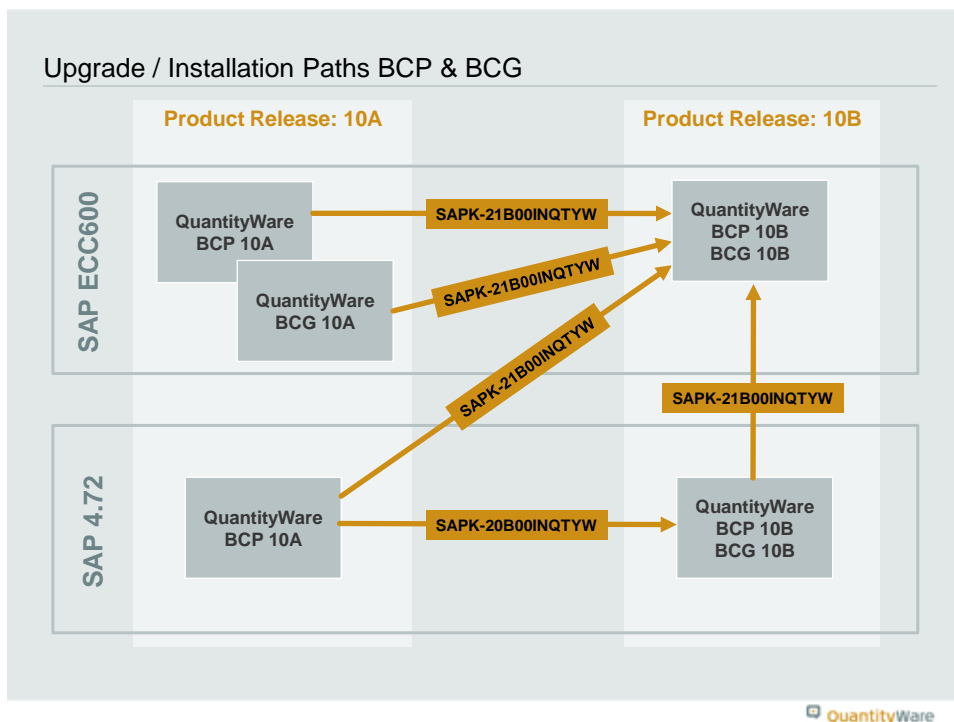
Question:

“Why create a separate component – BCS?”

Answer:

We are now using the BCS component in order to provide a stable, unified delivery infrastructure for our customers. With one PACKAGE (SAP-K21B00INQTYW), customers can:

- ➔ perform a new install of BCP and/or BCG 10B on a SAP Oil & Gas ECC600 system,
- ➔ use the same package to upgrade existing BCP and/or BCG 10A installations,
- ➔ use the same package to upgrade existing BCP and/or BCG 10A installations running under SAP IS Oil & Gas 4.72:



Application and usage specific features:

BCP & BCG Documentation:

The solution implementation documentation has been completely revised for release 10B for both the BCP and BCG products. We have simplified the documents and restructure them so that they relate better to our new “Cockpit” functionality, to meet the ‘support’ requirements of people from both partner and customer organizations implementing our products.

A brief structural and content overview of the new documentation can be found in the “Documentation Overview” documents listed on the <http://support.quantityware.com> product specific pages.

Legacy 10A documents are available upon request to support@quantityware.com

BCP & BCG Language Support:

All language dependent quantity conversion template configuration data is provided in the following languages (in alphabetical order):

- English
- French
- Portuguese
- Spanish

BCG Functionality:

- New conversion group “explain” function accessible via the Gas Measurement Cockpit.
- Customizing option to freely define liquid and gas volume dimension.
- Full support for LPG energy and vapor space calculations (see News Item LPG for details).
- All corrections delivered after BCG 10A CSP 01 release (see <http://support.quantityware.com> → BCG Documentation → Notes).
- Improved QuantityWare BCG BC set template definitions and test tools which control the consistency of all template definitions.

BCP Functionality:

- Full MQCI support for ASTM D4311(M)-09, asphalt.
- A new crude oil MQCI conversion model which will enable BCP customers to calculate net standard volumes (NSV) and gross standard volumes (GSV) from indicated volumes (IV) or

gross volumes (GV) according to the calculation steps defined in API MPMS Chapter 12.2. (Base, Sediment & Water). See News Item for details.

- Allow the definition of any base/standard temperature using ASTM D1250-04 CTPL implementations.
- Allow the definition of any base/standard temperature using GPA TP-27 (QuantityWare soft conversion)
- Full MQCI support for ASTM D2962(1997), Coal Tar Pitches
- New conversion group “check and explain” functions, accessible via the Petroleum Measurement Cockpit
- Improved QuantityWare BCP BC set template definitions and test tools which control the consistency of all template definitions
- Enhanced customizing options to increase usability and calculation flexibility (API gravity and relative density unit declarations) based on customer feedback
- Full support for LPG energy and vapor space calculations (see News Item LPG for details)
- All corrections delivered after BCP 10A CSP 12 release (see <http://support.quantityware.com> → BCP Documentation → Notes)