

Note: 000067

Overview

Number	000067
Description	BCS 3.0 Additional Installation Information
Version	42 from 11.01.2023
Status	Released to Customer
Language	EN
Responsible	John Mantle
Product	BCS
Category	Technical Installation

Symptom

Note: The term "30\$" is used to refer to all levels of BCS 3.0 - currently 30A (ECC 600) and 30B (S/4)

You install the BCS component containing the 30\$ CTP, CTG, BCP and BCG products on SAP ECC 6.0 or S/4HANA. You would like to know if any changes have been made to the standard installation guide, or if any further steps are necessary in addition to the standard guide.

Cause

1. Additional steps may be recommended for installs or upgrades of the specific versions of QuantityWare products.
2. QuantityWare is constantly developing its products and responding to customer needs. All non-customer specific functional and customising extensions will be included in CSPs (Component Support Packages), however there are periods between CSP releases when customers should implement QuantityWare Notes into their systems to ensure they have access to all functionality and resolve specific issues.

Solution

Customising extension issues:

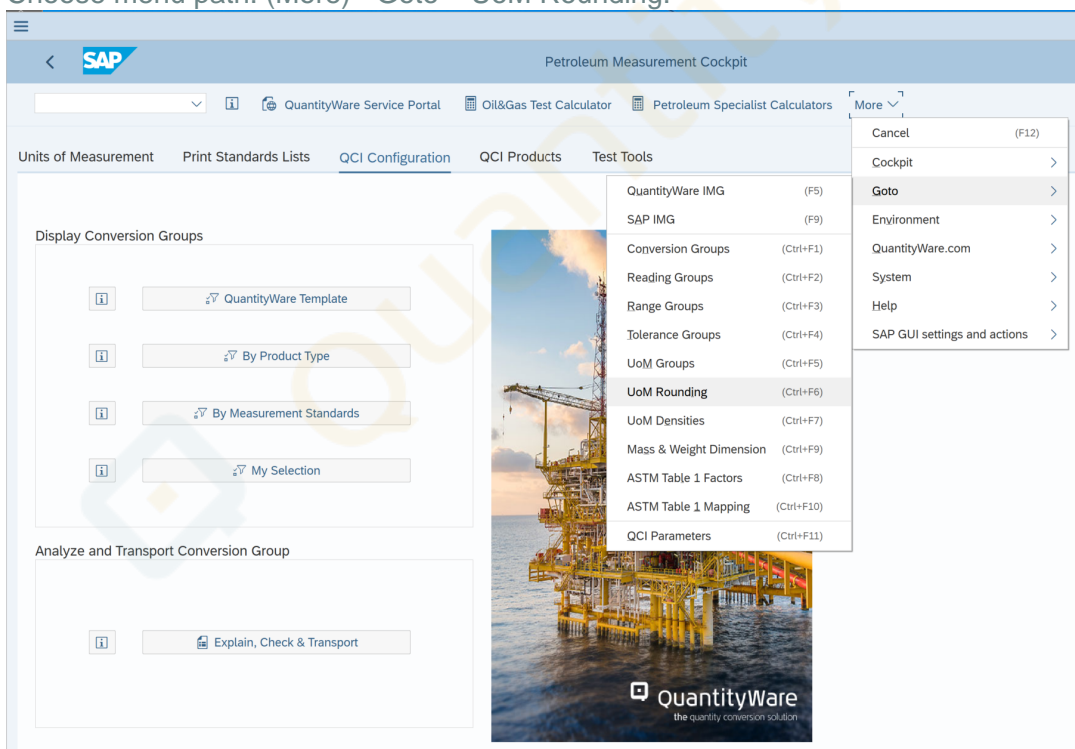
NOTE:

This action may be required only if you are **UPGRADING** from BCP10A, BCP10B or an installation where customising entries have been distributed into QuantityWare customizing tables in client 000.

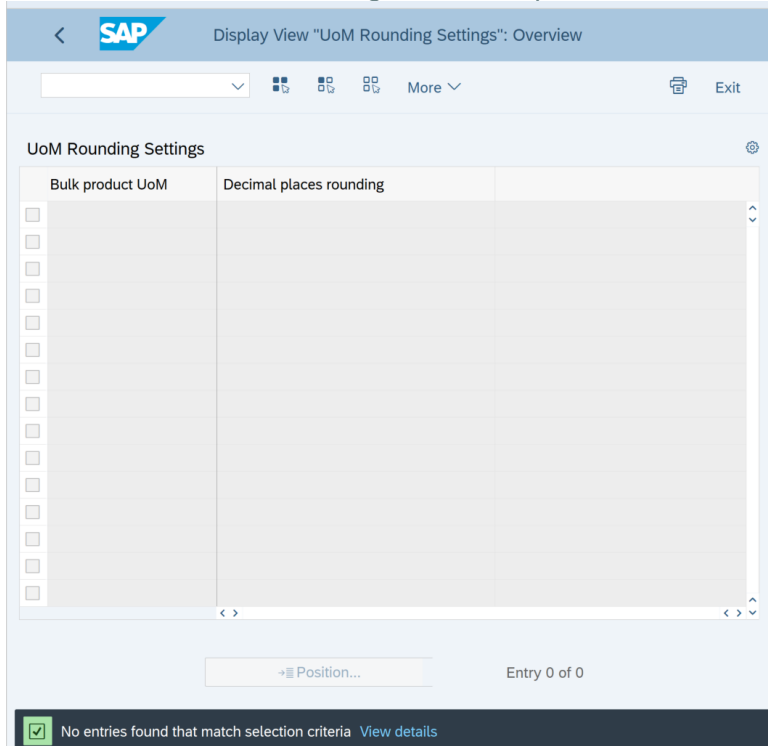
With BC set /QTYW/BCP_30\$ or /QTYW/BCG_30\$, QuantityWare delivers many new entries that are required for the installation test. Additional entries may lead to calculation deviations between expected and actual results and thus may show up as an error in various test reports.

After you have created the template client 045, and before you activate the QuantityWare BC set /QTYW/BCP_30\$ or /QTYW/BCG_30\$, you should perform the following steps (in client 045):

1. Start the Petroleum Measurement Cockpit(transaction /qtyw/cockpit) or the Gas Measurement Cockpit (transaction /qtyw/cockpit_gas).
Choose menu path: (More) - Goto – UoM Rounding:



2. Ensure that no UoM rounding entries are present:



If this is the case, you may continue with the activation of BC set /QTYW/BCP_30\$.

If entries are present, you should delete all entries:

- Choose "Display – Change (CTRL + F1)" and mark all entries.
- Delete all entries.
- Save your action using a temporary customizing transport.

SAINT Import:

1. Stop on error: "The pre-requisites are not fulfilled":

You MUST have a valid maintenance certificate installed in your system before you can import ANY package via SAINT or SPAM functionality.

2. "Signature File Missing":

See SAP Note 2645739 and this QuantityWare [FAQ](#).

3. BCS 30A only - Stop on Queue Calculation error: SAP_FIN:

We have no dependencies to the SAP_FIN or SAP_APPL components, however SAP forces this (for our delivery, unnecessary) check.

We have provided a work-around for our customers in the form of an “ACP” – “Attribute Change Package”, available in the “Installation / Upgrade Packages” area of our service portals’ “DataLounge”.

The archive QW_BCS_30A_600_IN-ACP03.SAR contains the appropriate ACP file QOI0020247836_0000067.PAT which MUST be present in the EPS/in directory before calling SAINT to “Load Packages”.

If SAINT has uploaded the file successfully, you will see the entry e.g. “QTYW=====30A” in the list of uploaded packages. This package modifies the requirements of the BCS 3.0 installation package e.g. SAPK-30A00INQTYW and avoids an error in the “Check Requirements” phase.

The Archive name and PAT file may be updated in future, resulting in higher version numbers.

Only the most actual ACP file will be available in the “DataLounge”.

4. Installation file sizes:

Sometime, issues can occur when archives are extracted leading to incorrect file sizes. Based upon Windows operating systems, the QuantityWare packages should have the following sizes:

File	Size
QW_BCS_30A_600_IN.SAR	37.152.748 bytes (DIR_TRANS)
QW_BCS_30A_600_UP.SAR	37.156.738 bytes (DIR_TRANS)
QOI0020247836_0000062.PAT	40.708.204 bytes (DIR_EPS_ROOT\in)
QOI0020247836_0000066.PAT	40.711.460 bytes (DIR_EPS_ROOT\in)
QW_BCS_30B_1610_IN.SAR	37.984.438 bytes (DIR_TRANS)
QW_BCS_30B_1610_UP.SAR	37.989.767 bytes (DIR_TRANS)
RS40090205598_0000006.PAT	41.658.387 bytes (DIR_EPS_ROOT\in)
RS40090205598_0000007.PAT	41.661.975 bytes (DIR_EPS_ROOT\in)

Note: Validate the SHA-512 checksums of all files downloaded from the QuantityWare service portal before applying them to your systems!

The output of a sapcar -tvf command on the file (e.g. QW_BCS_30A_600_IN.SAR) should look like this:

```
T:\trans>sapcar64 -tvf QW_BCS_30A_600_IN.SAR
SAPCAR: processing archive QW_BCS_30A_600_IN.SAR (version 2.01)
-rw----- 40708204 10 Aug 2016 11:55 EPS/in/QOI0020247836_0000062.PAT
```

Additional CSPs:

The following CSPs have been released or are planned for release on the dates below:

Solution	Package	Release Date
BCS 30A	CSP 001	31 March 2017
BCS 30A	CSP 002	20 Sept. 2021
BCS 30A	CSP 003	Q4 2023
BCS 30A	CSP 004	Q4 2025
BCS 30B	CSP 001	20 Sept. 2021
BCS 30B	CSP 002	Q4 2023
BCS 30B	CSP 003	Q4 2025

NOTE: Include ALL available CSP's when installing QuantityWare solutions.

BC Set Activation Errors:

SAP has resolved the inconsistencies in the SAP functionality regarding the activation of BC-Sets containing "FLTP" and "QUAN" data types, thus the workaround is no-longer necessary.

ORACLE Databases: If the person who activates the BC-Set does not use the defined decimal notation setting (remember to logout and log on again to "activate" the setting), hard errors can occur during the BC-Set activation such as "ORA-01438: value larger than specified allowed for this column". In this case, in the correct client, select the correct decimal notation settings, log off, log back on to the client and restart the BC-Set activation process. It should complete without error.

S/4HANA Compatibility:

Principally, we will seek to support the usage of our BCS package on every S/4HANA release for which SAP releases SAP Oil & Gas. The first S/4HANA release to do so is 1610.

The BCS 3.0 solution with the release version **30B** has been certified for use with SAP Oil & Gas as detailed in [QW Note 000086](#) (section "Release Lifecycle").

After the initial technical SAINT installation on an S/4 platform, or SUM upgrade to S/4 is complete, you **MUST** apply **SAP Note 2327999** (<https://launchpad.support.sap.com/#/notes/2327999>) to ensure that the necessary QuantityWare Data Dictionary is available in your system (i.e. before performing the "Post Installation / Upgrade Actions" section of the installation guide.

The installation archive "QW_BCS_30B_1610_<UP/IN>.SAR" is valid for **ALL** supported S/4 HANA releases.

Additional Notes:

Apply only notes that are listed as being valid for your HIGHEST, applied CSP.

These Notes should be imported in the ascending order listed below to ensure access to all functionality and remove known issues.

If Notes are relevant for multiple CSP levels, they are defined as such below. All CSP level-dependent notes are included in the next highest CSP.

CSP Note level

ALL Note 000030 - Technical customizing table entries – table OIB07

ALL Note 000056 – BCS CSP03 Authorizations

30A 00 Note 000069 - C to ABAP Migration Tool – Enhancements & Corrections

30A 00 Note 000070 - ISO 6578 -LNG: intermediate parameter rounding – additional option for molar volumes Vi rounding

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30A 01 Note 000071 - DB lock on table /QTYW/ISO91_SL

30A 01 Note 000074 - Support of ASTM D1555(M)-2016

30A 01 Note 000075 - SPAU_ENH forces usage of /QTYW/ Repair Key

30A 01 Note 000078 - AGA Report No. 7 - Atmospheric Pressure Calculation

30A 01 Note 000077 - BCS 30x Collective Note - Corrections & Enhancements

30A 01 Note 000079 - Business Document Analysis - Automatically Generated Lines

30A 01 Note 000076 - ISO 6578:2017 Compliance Enhancements

30A 01 Note 000080 - Support of ASTM D1550-18 Butadiene - ASTM D2962 Compliance Confirmation

30A 01 Note 000081 - SAP Note 397003 Integration

30A 01 Note 000082 - Business Document Analysis - Initial UoM MSEGO2 Lines

30A 01 Note 000083 - PMC & GMC Adjustments - Long Material Number in S/4HANA

30A 01 Note 000084 - PMC & GMC Enhancements - Installation Test & SAP IMG

30A 01 Note 000088 - BCS Test Scenario Tool Corrections

30A 01 Note 000089 - BCS Usage Key Installation Handling

30A 01 Note 000090 - ASTM D1250-19 Support

30A 01 Note 000091 - Scenarios: Calculate expected results fails

30A 01 Note 000097 - BCS Cockpit Authorisations and Considerations

30A 01 Note 000096 - MS-19 Emulsified Asphalt

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30A 02 Note 00104 - PMC - Conversion group model check - incorrect error log

30A 02 Note 00105 - SAP QCI TAS - Density UoM Tolerance/Defaulting

30A 02 Note 00103 - BCS 30x Collective Note - Corrections & Enhancements II

30A 02 Note 00102 - Anhydrous Ammonia Quantity Conversions

30A 02 Note 00107 - Default Test Density UoM for Range Checks & IDOC processing

30A 02 Note 00109 - MQCI Dialog box - document display shows incorrect UoM

30A 02 Note 00108 - Advanced Development - ABNT NBR 5992 (2016)

30A 02 Note 00100 - Advanced Development - High Pressure Hydrogen Quantity Conversions

30A 02 Note 00110 - Material overview lists shows incorrect conversion group status for hydrogen

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30B 00 Note 000071 - DB lock on table /QTYW/ISO91_SL

30B 00 Note 000074 - Support of ASTM D1555(M)-2016

30B 00 Note 000075 - SPAU_ENH forces usage of /QTYW/ Repair Key

30B 00 Note 000078 - AGA Report No. 7 - Atmospheric Pressure Calculation

30B 00 Note 000077 - BCS 30x Collective Note - Corrections & Enhancements

30B 00 Note 000079 - Business Document Analysis - Automatically Generated Lines

30B 00 Note 000076 - ISO 6578:2017 Compliance Enhancements

30B 00 Note 000080 - Support of ASTM D1550-18 Butadiene - ASTM D2962 Compliance Confirmation

30B 00 Note 000081 - SAP Note 397003 Integration

30B 00 Note 000082 - Business Document Analysis - Initial UoM MSEGO2 Lines

30B 00 Note 000083 - PMC & GMC Adjustments - Long Material Number in S/4HANA

30B 00 Note 000084 - PMC & GMC Enhancements - Installation Test & SAP IMG

30B 00 Note 000088 - BCS Test Scenario Tool Corrections

30B 00 Note 000089 - BCS Usage Key Installation Handling

30B 00 Note 000090 - ASTM D1250-19 Support

30B 00 Note 000091 - Scenarios: Calculate expected results fails

30B 00 Note 000094 - Belize Theme:QuantityWare pictures appear distorted

30B 00 Note 000097 - BCS Cockpit Authorisations and Considerations

30B 00 Note 000096 - MS-19 Emulsified Asphalt

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30B 01 Note 00104 - PMC - Conversion group model check - incorrect error log

30B 01 Note 00105 - SAP QCI TAS - Density UoM Tolerance/Defaulting

30B 01 Note 00103 - BCS 30x Collective Note - Corrections & Enhancements II

30B 01 Note 00102 - Anhydrous Ammonia Quantity Conversions

30B 01 Note 00107 - Default Test Density UoM for Range Checks & IDOC processing

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30B 01 Note 00108 - Advanced Development - ABNT NBR 5992 (2016)

30B 01 Note 00100 - Advanced Development - High Pressure Hydrogen Quantity Conversions

30B 01 Note 00110 - Material overview lists shows incorrect conversion group status for hydrogen

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Change History:

Version	Date	Changes
00	29.09.2016	Initial release
01	03.11.2016	Added: Note 000069
02	03.11.2016	S/4HANA 1610 info. added; Minor typo. corrections
03	03.11.2016	CSP01 Release date corrected, Added Note 000070
04	03.11.2016	ACP description
05	19.04.2017	Added: Note 000071
06	02.08.2017	Generic 30\$ references added and 30B references
07	16.11.2017	1709 References added & new notes
08	06.06.2018	Added: Note 000078
09	28.09.2018	Added: Note 000077
10	14.11.2018	Added: Note 000079
11	22.01.2019	Added: Note 000076
12	06.03.2019	Added: Note 000080
13	03.04.2019	Added: Note 000081
14	17.04.2019	Added: Note 000082
15	14.06.2019	1809 References added and BC-Set warning removed
16	10.07.2019	Added: Note 000083
17	19.07.2019	Added: Note 000084
18	05.11.2019	Added: Note 000088
19	15.11.2019	Added: Note 000089
20	20.11.2019	1909 Reference added
21	29.01.2020	CSP Release date update
22	04.02.2020	Added: Note 000091
23	10.03.2020	Added: Note 000090
24	08.06.2020	Added: Note 000094
25	18.01.2020	2020 Reference added

26	21.01.2020	Added: Note 000097
27	02.02.2021	Minor changes and 2020_EX references
28	11.02.2021	Added: Note 000096
29	09.07.2021	Modified upgrade texts
30	11.09.2021	Added: CSP release and minor changes
31	29.10.2021	Added: Note 00104
32	09.11.2021	S/4 HANA (_EX) 2021 Certification
33	25.11.2021	Added: Note 00105
34	07.02.2022	Added: Note 00103
35	09.02.2022	Added: Note 00102
36	11.02.2022	Added: Note 00107
37	05.04.2022	Added: Note 00109
38	06.04.2022	Added: Note 00108
39	12.07.2022	Added CSP release and minor changes
40	13.07.2022	Added: Note 00100
41	30.09.2022	Added: Note 00110

Transport Reference

SAP Release	Transport	File Name	Notes
ECC600	-	See individual notes	
S/4 HANA	-	See individual notes	

Validity

SAP Release	From SP	To SP	In SP Shipment
ECC600	All	All	-
S/4 HANA	All	All	-