

Note: 000114

Overview

Number	000114
Description	Advanced Development - Brazilian Standard RESOLUÇÃO ANP Nº 894 2022 - RESOLUÇÃO CNP Nº 6 - 70 : Tables I & II
Version	01 from 22.06.2023
Status	Released to Customer
Language	EN
Responsible	Guido Jager & Markus Seng
Product	BCP
Category	Advanced Development

Symptom

Support of Brazilian standard [RESOLUÇÃO ANP No 894 - 2022](#) .

Cause

New Brazilian standard: With [RESOLUÇÃO ANP No 894 - 2022](#), RESOLUÇÃO CNP No 6 – 70 has been revoked and technically been put into force again. No changes to the 1970 Tables 1(I) and 2(II) content and description have been made. [These tables are available as PDF documents \(Agência Nacional do Petróleo, Gás Natural e Biocombustíveis\)](#) which are apparently scanned from historic 1970 documents. Thus, from an implementation perspective, the documentation of this new implementation will refer to it as RESOLUÇÃO ANP No 894 - 2022 / RESOLUÇÃO No 6 – 70, whereas the technical implementation continues to utilize RESOLUÇÃO No 6 – 70 / CNP 6 - 70 as technical ID (e.g. ABAP programs).

Solution

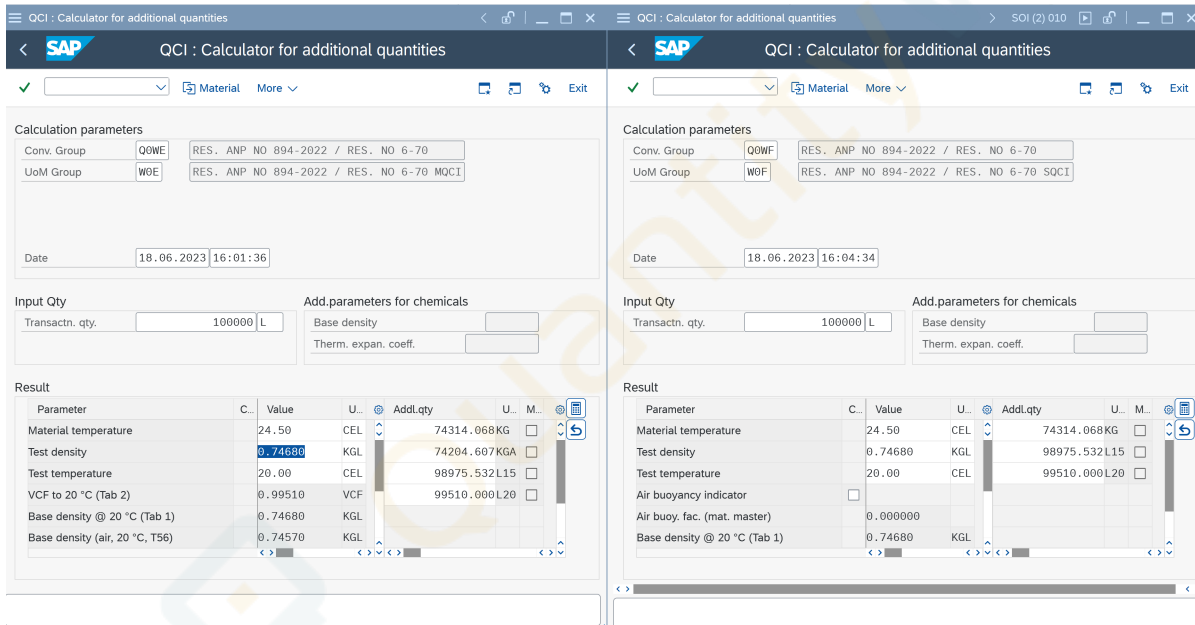
As described in [note 000113](#), the current BCP support of this Brazilian standard is a Table II, algorithm based implementation of a Brazilian industry developed XLS solution. This implementation is extended with this advanced development to support Table I density corrections - for the printed "hard coded" table values. Also, an implementation for the printed "hard coded" Table II values is delivered with this note.

Since this reconfirmed national Brazilian standard **are the printed table values** (as e.g., ASTM D1250-1952 Table 6), a complete validation of the Brazilian industry developed XLS results against the printed table values has been made as part of this development. Differences do occur, which are documented in QuantityWare internal test & comparison reports.

QuantityWare has thus been required to invest massive effort to computerize the printed document values of Table I and Table II and compare these values with the algorithm approximation implementation. The algorithm implementation is delivered without conversion group configuration documentation, for Table I and II, for comparison purposes during list printing in the PMC.

It is important to note that, due to the inadequate quality of the historical scans, single values may still be incorrect when compared with the scans. Certain value areas of the scans are open to personal interpretation and cannot be clearly read.

Also, as stated above, **the now newly reconfirmed national Brazilian standard is the printed table values, not the algorithm that has been made available to QuantityWare as an XLS from industry experts in 2012.** Thus, it is strongly suggested to utilize the table value implementations in your conversion groups and not the algorithm implementations for both Table I and Table II. With this AD, a complete ABAP package is delivered, allowing you can configure two new BCP template conversion groups Q0WE and Q0WF in your client 045 and utilize these as blueprints for your own X/Y/Z*** conversion groups:



The image shows two side-by-side screenshots of the SAP QCI: Calculator for additional quantities interface. Both screenshots show the same configuration for conversion groups Q0WE and Q0WF. The left screenshot is for Q0WE and the right is for Q0WF. Both screenshots display calculation parameters, input quantities, and a result table.

Calculation parameters (Left - Q0WE):

- Conv. Group: Q0WE
- RES. ANP NO 894-2022 / RES. NO 6-70
- UoM Group: W0E
- RES. ANP NO 894-2022 / RES. NO 6-70 MQCI
- Date: 18.06.2023 16:01:36

Calculation parameters (Right - Q0WF):

- Conv. Group: Q0WF
- RES. ANP NO 894-2022 / RES. NO 6-70
- UoM Group: W0F
- RES. ANP NO 894-2022 / RES. NO 6-70 SQCI
- Date: 18.06.2023 16:04:34

Input Qty (Both):

- Transactn. qty.: 100000 L
- Base density: []
- Therm. expans. coeff.: []

Result Table (Both):

Parameter	C..	Value	U..	Addl.qty	U..	M..
Material temperature		24.50	CEL	74314.068 KG		
Test density		0.74680	KGL	74204.607 KGA		
Test temperature		20.00	CEL	98975.532 L15		
VCF to 20 °C (Tab 2)		0.99510	VCF	99510.000 L20		
Base density @ 20 °C (Tab 1)		0.74680	KGL			
Base density (air, 20 °C, T56)		0.74570	KGL			

With the **next BCS CSP**, the related template configuration for conversion groups Q0WE and Q0WF will be delivered as well. All required details for implementation of the AD before that next CSP delivery can be found in the associated consulting paper to this note - available to all certified BCP consultants via the QuantityWare Knowledge Base.

In order to provide guidance to certified BCP consultants, a "Consultant Enquiry" ticket may be raised for this AD.

Transport Reference

SAP Release	Transport	File Name	Notes
ECC600	QOIK900373	NOTE-00114-30x.SAR	
S/4 HANA	QOIK900373	NOTE-00114-30x.SAR	

Validity

SAP Release	From SP	To SP	In SP Shipment
ECC600	BCS 3.0 CSP02	BCS 3.0 CSP03	BCS 3.0 CSP03
S/4 HANA	BCS 3.0 CSP01	BCS 3.0 CSP02	BCS 3.0 CSP02