

## Note: 000117

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### Overview

Number	000117
Description	Quantity Conversion Implementations - Brazil
Version	01 from 02.02.2024
Status	Released to Customer
Language	EN
Responsible	Markus Seng
Product	BCP
Category	Consulting & Configuration

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### Symptom

Brazil is the largest oil producer in South America, the eighth largest global oil producer, eighth largest oil consumer, and has the largest recoverable ultra-deep oil reserves in the world. Brazil's oil production is predominantly offshore (96.7 percent), with the national oil company Petrobras accounting for 73 percent of Brazil's oil and gas production. The oil and gas market has, for years, accounted for most investments in the Brazilian economy, with about 10% of the country's GDP. Brazil is placed in a leading position for the exploration and production of offshore oil due to owning the prolific pre-salt province, whose oil is of high quality, with equally high productivity of the fields. The International Energy Agency (IEA) highlights the relevance of Brazil, which will become responsible for the production of about 50% of the world's offshore oil in 2040, about 5.2 million barrels/day (Source : [International Trade Administration - Resource Guide Brazil](#) last accessed on 02.02.2024).

Brazil is also the world's [second largest producer of ethanol fuels](#).

With respect to quantity conversion calculations in the processing and sale of **gasoline, diesel, LPG and ethanol**, Brazil defines its own national measurement standards, which companies operating in Brazil need to comply with.

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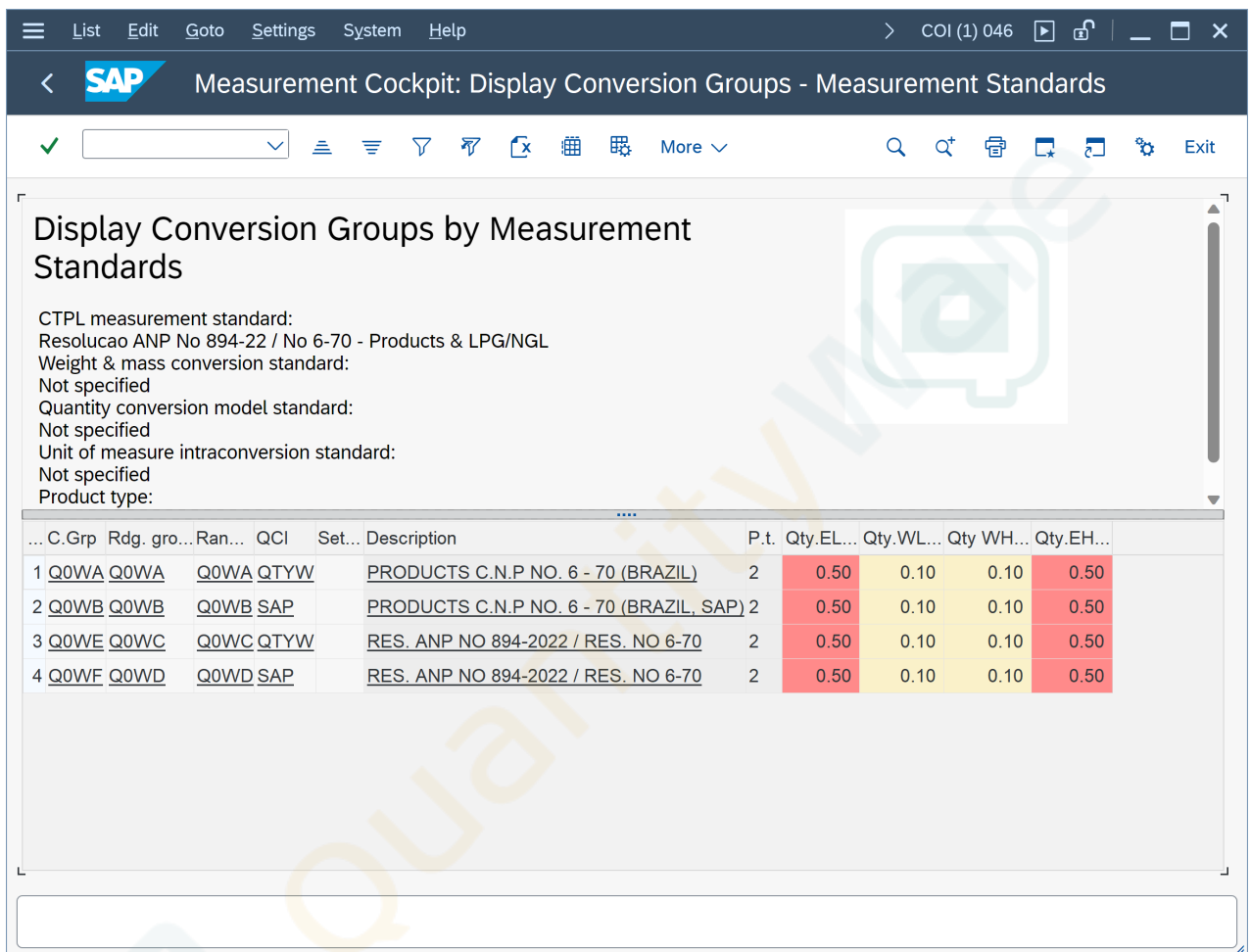
### Cause

Governmental regulations.

## Solution

QuantityWare BCP supports the two relevant Brazilian measurement standards for gasoline, diesel, LPG and ethanol - which have been generally released with the latest BCS CSP:

- For gasoline, diesel and LPG, RESOLUÇÃO ANP Nº 894 – 22 / C.N.P. Nº 6 – 70, Tabela I & II is relevant (2022).



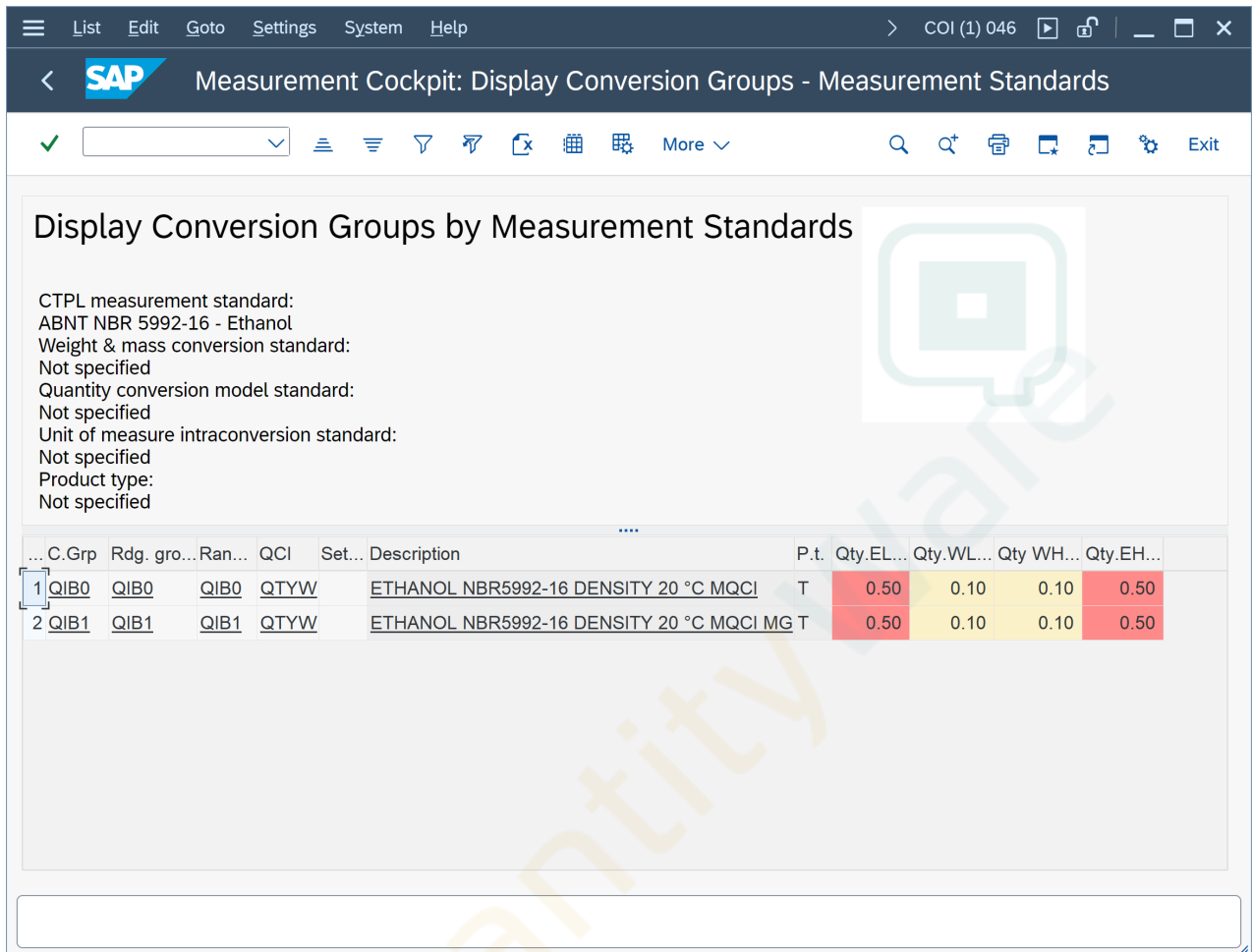
The screenshot shows the SAP Measurement Cockpit interface. The title bar reads "SAP Measurement Cockpit: Display Conversion Groups - Measurement Standards". The main content area is titled "Display Conversion Groups by Measurement Standards".

Measurement standards listed:

- CTPL measurement standard: Resolucao ANP No 894-22 / No 6-70 - Products & LPG/NGL
- Weight & mass conversion standard: Not specified
- Quantity conversion model standard: Not specified
- Unit of measure intraconversion standard: Not specified
- Product type: Not specified

...	C.Grp	Rdg. gro...	Ran...	QCI	Set...	Description	P.t.	Qty.EL...	Qty.WL...	Qty.WH...	Qty.EH...
1	Q0WA	Q0WA	Q0WA	QTYW		PRODUCTS C.N.P NO. 6 - 70 (BRAZIL)	2	0.50	0.10	0.10	0.50
2	Q0WB	Q0WB	Q0WB	SAP		PRODUCTS C.N.P NO. 6 - 70 (BRAZIL, SAP)	2	0.50	0.10	0.10	0.50
3	Q0WE	Q0WC	Q0WC	QTYW		RES. ANP NO 894-2022 / RES. NO 6-70	2	0.50	0.10	0.10	0.50
4	Q0WF	Q0WD	Q0WD	SAP		RES. ANP NO 894-2022 / RES. NO 6-70	2	0.50	0.10	0.10	0.50

- For ethanol, [ABNT NBR 5992 \(2016\)](#) is relevant:



Measurement Cockpit: Display Conversion Groups - Measurement Standards

CTPL measurement standard:  
 ABNT NBR 5992-16 - Ethanol  
 Weight & mass conversion standard:  
 Not specified  
 Quantity conversion model standard:  
 Not specified  
 Unit of measure intraconversion standard:  
 Not specified  
 Product type:  
 Not specified

...	C.Grp	Rdg. gro...	Ran...	QCI	Set...	Description	P.t.	Qty.EL...	Qty.WL...	Qty.WH...	Qty.EH...
1	QIB0	QIB0	QIB0	QTYW		ETHANOL NBR5992-16 DENSITY 20 °C MQCI	T	0.50	0.10	0.10	0.50
2	QIB1	QIB1	QIB1	QTYW		ETHANOL NBR5992-16 DENSITY 20 °C MQCI MG T		0.50	0.10	0.10	0.50

[QuantityWare does not provide configuration consulting services.](#) Therefore, we strongly recommend using a QuantityWare Certified Consultant to assist with configuration.

[QuantityWare Certified Consultants](#) are very well trained and experienced to implement these country specific - measurement standards based - quantity conversions in your Brazilian customer's project.

You should always engage a [QuantityWare certified BCP consultant](#) into your Brazilian project.

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## Transport Reference

No SAP-based transport

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## Validity

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