

Note: 000063

Overview

Number	000063
Description	QuantityWare Natural Gas Solution for SAP PRA
Version	05 from 28.03.2024
Status	Released to Customer
Language	EN
Responsible	Markus Seng
Product	BCG
Category	Documentation

Symptom

You are considering usage of QuantityWare BCG within your SAP PRA installation. SAP PRA requires the assignment of a conversion group to a delivery network and is designed for low pressure natural gas quantity conversions – property data entry.

- *High pressure natural gas calculations and LNG calculations are not available/required for SAP PRA systems.*

Read the QuantityWare working paper: *QuantityWare Interface – PRA Measurement System* and QuantityWare **Note 000059** for additional guidance.

Cause

Not Applicable

Solution

From a usage agreement perspective, QuantityWare BCG is the solution of choice for SAP PRA installations.

For U.S. installations, SAP template conversion group USGS is the recommended conversion group, since this conversion group is “hard wired” with the SAP example BAdI implementation OIU_WET_DRY_EXAMPLE.

For other countries or installations that do not require wet to dry gas conversions as described in Note 000059, the QuantityWare BCG template provides 70 pre-configured low pressure dry natural gas conversion groups (QV0* / QV1* / QV2*) that are available for usage. Usage of any of these 70 conversion groups does require a BCG Software Usage Agreement. These 70 template conversion groups utilize the SAP QCI low pressure natural gas calculations designed for SAP PRA and may be utilized similar to SAP template conversion group ISOG.

- *The PRA Measurement System may require additional configurations, which are not delivered by QuantityWare*

List of the 70 SAP QCI low pressure dry gas template conversion groups:

Number	C.Grp	Description
1	QV00	NATURAL GAS,REL.DENS,15/15°C,IDEAL,E/V
2	QV01	NATURAL GAS,REL.DENS,15/15°C,REAL,E/V
3	QV02	NATURAL GAS,DENSITY,15/15°C,IDEAL,E/V
4	QV03	NATURAL GAS,DENSITY,15/15°C,REAL,E/V
5	QV04	NATURAL GAS,REL.DENS.,15/15°C,IDEAL,E/MA
6	QV05	NATURAL GAS,REL.DENS.,15/15°C,REAL,E/MA
7	QV06	NATURAL GAS,DENSITY,15/15°C,IDEAL,E/MOL
8	QV07	NATURAL GAS,REL.DENS,0/0°C,IDEAL,E/V
9	QV08	NATURAL GAS,REL.DENS,0/0°C,REAL,E/V
10	QV09	NATURAL GAS,DENSITY,0/0°C,IDEAL,E/V
11	QV0A	NATURAL GAS,DENSITY,0/0°C,REAL,E/V
12	QV0B	NATURAL GAS,REL.DENS.,0/0°C,IDEAL,E/MA
13	QV0C	NATURAL GAS,REL.DENS.,0/0°C,REAL,E/MA

14	QV0D	NATURAL GAS,DENSITY,0/0°C,IDEAL,E/MOL
15	QV0E	NATURAL GAS,REL.DENS,20/20°C,IDEAL,E/V
16	QV0F	NATURAL GAS,REL.DENS,20/20°C,REAL,E/V
17	QV0G	NATURAL GAS,DENSITY,20/20°C,IDEAL,E/V
18	QV0H	NATURAL GAS,DENSITY,20/20°C,REAL,E/V
19	QV0I	NATURAL GAS,REL.DENS.,20/20°C,IDEAL,E/MA
20	QV0J	NATURAL GAS,REL.DENS.,20/20°C,REAL,E/MA
21	QV0K	NATURAL GAS,DENSITY,20/20°C,IDEAL,E/MOL
22	QV0L	NATURAL GAS,REL.DENS,25/20°C,IDEAL,E/V
23	QV0M	NATURAL GAS,REL.DENS,25/20°C,REAL,E/V
24	QV0N	NATURAL GAS,DENSITY,25/20°C,IDEAL,E/V
25	QV0O	NATURAL GAS,DENSITY,25/20°C,REAL,E/V
26	QV0P	NATURAL GAS,REL.DENS.,25/20°C,IDEAL,E/MA
27	QV0Q	NATURAL GAS,REL.DENS.,25/20°C,REAL,E/MA
28	QV0R	NATURAL GAS,DENSITY,25/20°C,IDEAL,E/MOL
29	QV0S	NATURAL GAS,REL.DENS,25/15°C,IDEAL,E/V
30	QV0T	NATURAL GAS,REL.DENS,25/15°C,REAL,E/V
31	QV0U	NATURAL GAS,DENSITY,25/15°C,IDEAL,E/V
32	QV0V	NATURAL GAS,DENSITY,25/15°C,REAL,E/V
33	QV0W	NATURAL GAS,REL.DENS.,25/15°C,IDEAL,E/MA
34	QV0X	NATURAL GAS,REL.DENS.,25/15°C,REAL,E/MA
35	QV0Y	NATURAL GAS,DENSITY,25/15°C,IDEAL,E/MOL
36	QV0Z	NATURAL GAS,REL.DENS,25/0°C,IDEAL,E/V
37	QV10	NATURAL GAS,REL.DENS,25/0°C,REAL,E/V
38	QV11	NATURAL GAS,DENSITY,25/0°C,IDEAL,E/V
39	QV12	NATURAL GAS,DENSITY,25/0°C,REAL,E/V
40	QV13	NATURAL GAS,REL.DENS.,25/0°C,IDEAL,E/MA
41	QV14	NATURAL GAS,REL.DENS.,25/0°C,REAL,E/MA
42	QV15	NATURAL GAS,DENSITY,25/0°C,IDEAL,E/MOL

43	QV16	NATURAL GAS,REL.DENS,15/0°C,IDEAL,E/V
44	QV17	NATURAL GAS,REL.DENS,15/0°C,REAL,E/V
45	QV18	NATURAL GAS,DENSITY,15/0°C,IDEAL,E/V
46	QV19	NATURAL GAS,DENSITY,15/0°C,REAL,E/V
47	QV1A	NATURAL GAS,REL.DENS.,15/0°C,IDEAL,E/MA
48	QV1B	NATURAL GAS,REL.DENS.,15/0°C,REAL,E/MA
49	QV1C	NATURAL GAS,DENSITY,15/0°C,IDEAL,E/MOL
50	QV20	NATURAL GAS,REL.DENS,60°F/14.65P,ID,E/V
51	QV21	NATURAL GAS,REL.DENS,60°F/14.65P,RE,E/V
52	QV22	NATURAL GAS,DENSITY,60°F/14.65P,ID,E/V
53	QV23	NATURAL GAS,DENSITY,60°F/14.65P,RE,E/V
54	QV24	NATURAL GAS,REL.DENS,60°F/14.65P,ID,E/MA
55	QV25	NATURAL GAS,REL.DENS,60°F/14.65P,RE,E/MA
56	QV26	NATURAL GAS,DENSITY,60°F/14.65P,ID,E/MOL
57	QV27	NATURAL GAS,REL.DENS,60°F/14.73P,ID,E/V
58	QV28	NATURAL GAS,REL.DENS,60°F/14.73P,RE,E/V
59	QV29	NATURAL GAS,DENSITY,60°F/14.73P,ID,E/V
60	QV2A	NATURAL GAS,DENSITY,60°F/14.73P,RE,E/V
61	QV2B	NATURAL GAS,REL.DENS,60°F/14.73P,ID,E/MA
62	QV2C	NATURAL GAS,REL.DENS,60°F/14.73P,RE,E/MA
63	QV2D	NATURAL GAS,DENSITY,60°F/14.73P,ID,E/MOL
64	QV2E	NATURAL GAS,REL.DENS,60°F/15.02P,ID,E/V
65	QV2F	NATURAL GAS,REL.DENS,60°F/15.02P,RE,E/V
66	QV2G	NATURAL GAS,DENSITY,60°F/15.02P,ID,E/V
67	QV2H	NATURAL GAS,DENSITY,60°F/15.02P,RE,E/V
68	QV2I	NATURAL GAS,REL.DENS,60°F/15.02P,ID,E/MA
69	QV2J	NATURAL GAS,REL.DENS,60°F/15.02P,RE,E/MA
70	QV2K	NATURAL GAS,DENSITY,60°F/15.02P,ID,E/MOL

Transport Reference

No SAP-based transport

Validity

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