# Note: 000122

## Overview

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|---|---|
| Number | **000122** |
| Description | **DIN 51650 Quantity Conversion Model Extension** |
| Version | **01 from 23.10.2024** |
| Status | **Released to Customer** |
| Language | **EN** |
| Responsible | **Markus Seng, Guido Jager** |
| Product | **BCS** |
| Category | **Advanced Development** |

## Symptom

If you utilize the DIN 51650 quantity conversion model, the generic DIN 51650 implementation of the volume-to-volume quantity conversion requires two calculation steps (" to base temperature 15 °C from observed temperature A in m³" and then "to alternate temperature B in m³") **where the VCF is applied twice**. The intermediate m³ value at 15 °C is rounded - as defined in DIN 51650, which requires rounding after each calculation step - as well as the m³ value at ambient. For identical source (observed) and target (ambient) temperature values, this may lead to rounding differences - in certain numerical situations - when compared with the direct unit conversion at that condition.

## Cause
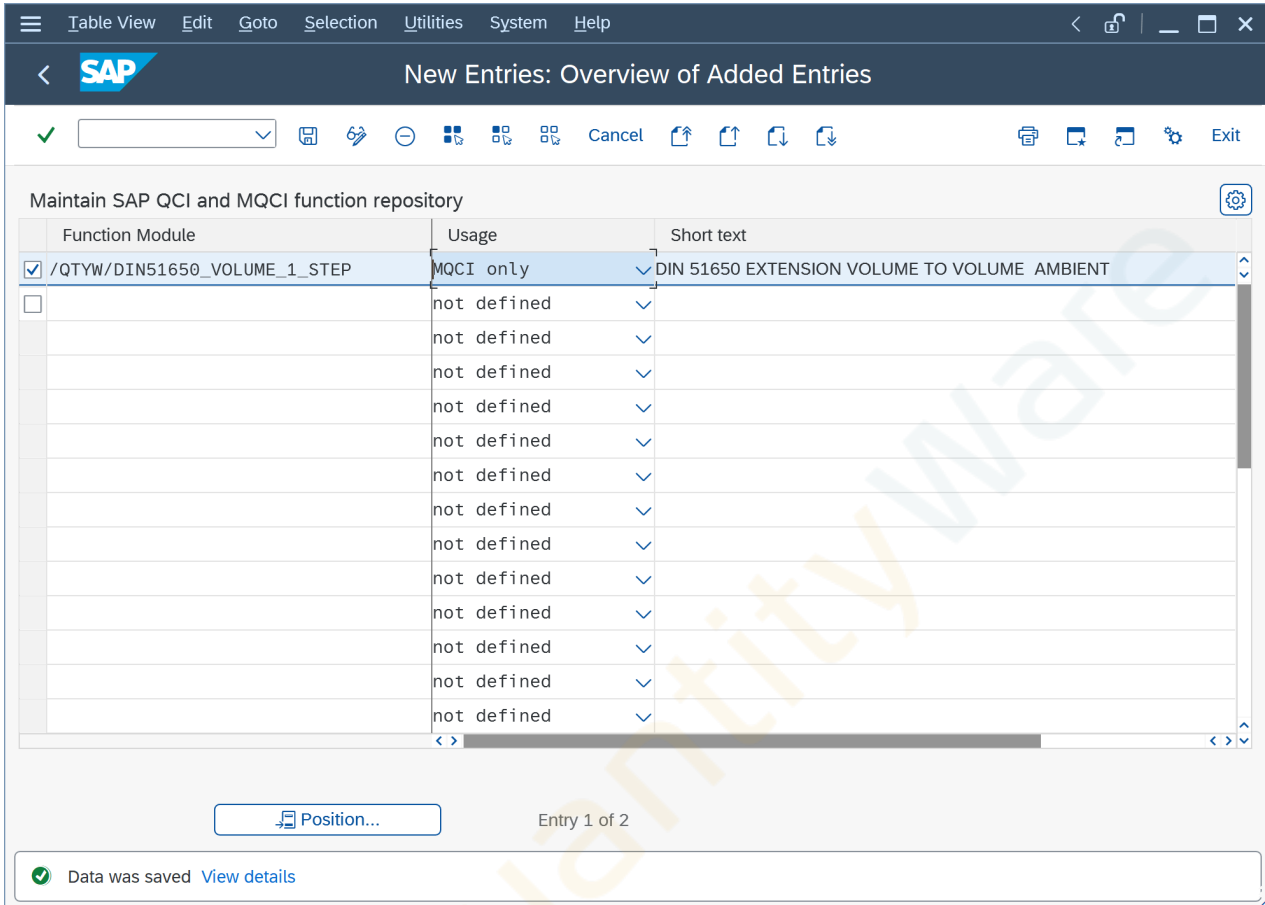
DIN 51650 rounding requirements.

## Solution

With this note, a new DIN 51650 quantity conversion model function module

/QTYW/DIN51650_VOLUME_1_STEP

is delivered as an advanced development. This function module can be plugged into the MQCI conversion group sequence, if NOV - volume UoM quantity conversion values are required for various business reasons.

After you have applied the transport delivered with this note, declare this function as available in the function module repository (optional task - see FM Repository FAQ for details) in your client 045:



Then plug this function into your MQCI conversion group - positioned directly after the main model function /QTYW/*OBS_TO_ALT_QUAN

# Transport Reference

| SAP Release | Transport | File Name | Notes |
|---|---|---|---|
| ECC600 | QOIK900386 | NOTE-00122-30x.SAR | |
| S/4 HANA | QOIK900386 | NOTE-00122-30x.SAR | |

# Validity

| SAP Release | From SP | To SP | In SP Shipment |
|---|---|---|---|
| ECC600 | BCS 3.0 CSP03 | BCS 3.0 CSP04 | BCS 3.0 CSP04 |
| S/4 HANA | BCS 3.0 CSP02 | BCS 3.0 CSP03 | BCS 3.0 CSP03 |