Note: 000090

Overview

Number	**000090**
Description	**ASTM D1250-19 Support**
Version	**1 from 02.03.2020**
Status	**Released to Customer**
Language	**EN**
Responsible	**Markus Seng**
Product	**BCP**
Category	**Advanced Development**

Symptom

ASTM D1250 has been issued as a new version with the designation ASTM D1250-19. This version is necessary due to the publication of API MPMS Chapter 11.1 Addendum 2 in May 2019.

10 changes are listed in Addendum 2 which are classified as "minor" modifications in ASTM D1250-19.

One of these "minor" modifications requires that final densities and volumes should be calculated with non-rounded volume correction factors (historically known as VCF, now as C_{TL}, C_{PL} and C_{TPL} - **C**orrection for the effect of **T**emperature (and **P**ressure) on the **L**iquid). This modification affects calculation results of the current implementation and thus requires an advanced development, such that the calculation models assigned to API MPMS Chapter 11.1 can be configured (via a switch in the conversion group settings) to apply non-rounded volume correction factors. This advanced development is delivered with this note.
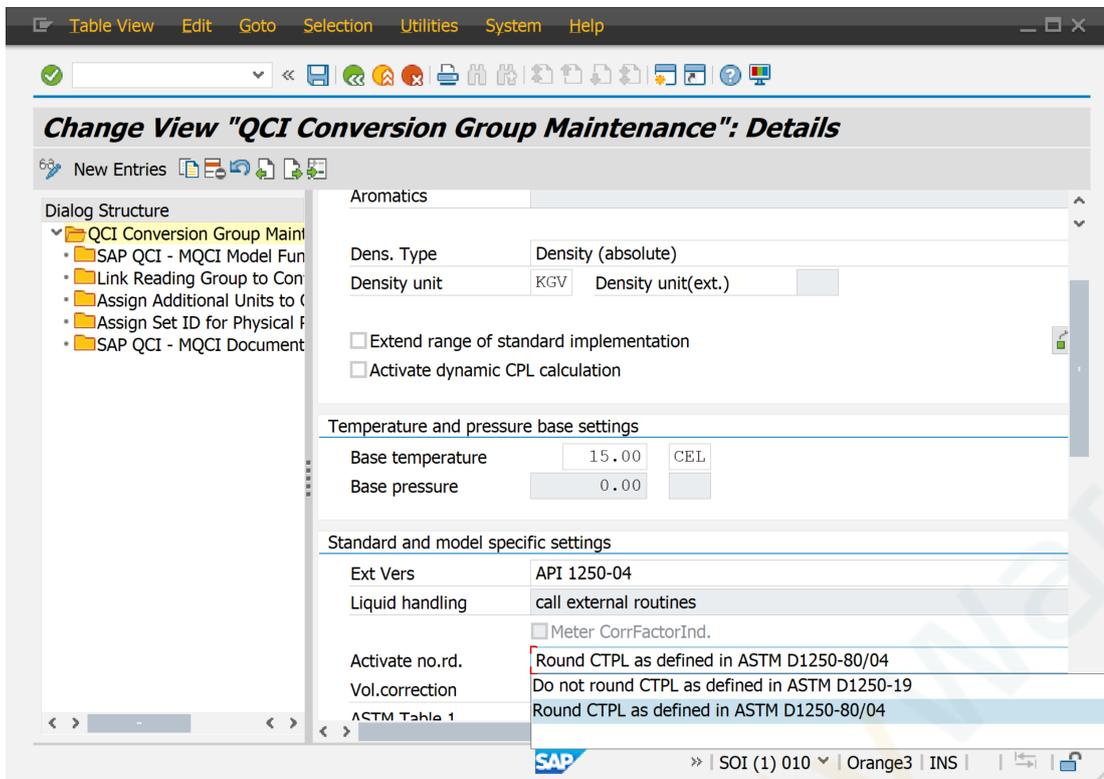
Cause
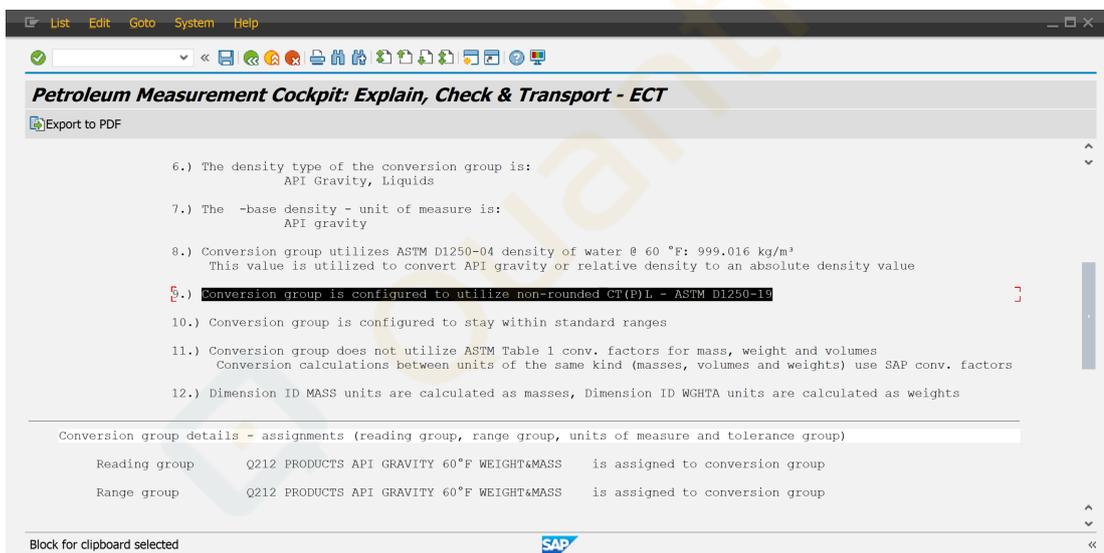
API MPMS Measurement Standard Update.

Solution

With the application of this advanced development note, a new configuration setting is available for a

conversion group:

If this setting is made for a conversion group, it is documented in the conversion group analysis:

This way, a controlled migration process - on conversion group basis - is made possible. After application of the corresponding transports included in this note, existing configurations are not changed. If a migration to the new logic of using non-rounded C_{TPL} values is required, a change project should be initiated where the affected conversion groups are identified and the new rounding setting is activated. Customer Test Scenarios may have to be adjusted (depending on the magnitude of involved transaction quantities). QuantityWare strongly recommends to involve a certified BCP consultant for such a project.

Additional information on this advanced development and calculation result differences can be found in our Working Paper ASTM D1250-19 Addendum 2 Analysis.

Transport Reference

SAP Release	Transport	File Name	Notes
ECC600	QOIK900330	NOTE-00090-30x.SAR	
S/4 HANA	QOIK900330	NOTE-00090-30x.SAR	

Validity

SAP Release	From SP	To SP	In SP Shipment
ECC600	CSP01	CSP01	CSP02
S/4 HANA	CSP00	CSP00	CSP01