

# Note: 000111

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## Overview

Number	000111
Description	QCI calculation not triggered in SAP Tank Management
Version	01 from 06.10.2022
Status	Released to Customer
Language	EN
Responsible	Markus Seng & Guido Jager
Product	BCS
Category	Consulting & Configuration

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## Symptom

You utilize a QuantityWare BCS conversion group in SAP Tank Management, where a new BCS calculation parameter is configured into the reading group. Example: a vapor correction indicator for LPG. You change this indicator during tank dip creation (transaction O4\_TIGER). Unlike all other IS-OIL transactions (goods movement processing, delivery processing, TD shipment processing, etc.) in SAP Tank Management, the [QCI](#) re-calculation is not triggered.

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## Cause

In transaction O4\_TIGER, a hard-coded comparison check for all SAP QCI parameters delivered by SAP is executed. SAP Partner extensions are not foreseen in transaction O4\_TIGER.

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## Solution

SAP support recommends the following approach to allow for processing of a new parameter (here labeled xxxx):

An experienced consultant should create an implicit enhancement at the end of the form routine

```
BUILD_LINE_CHANGE (INCLUDE LOIIC_DIPFM5)
```

and introduce a comparison check between pi\_dip\_item-xxxx and pi\_dip\_old\_item-xxxx and copy X to pc\_line\_change-qci\_param if the values are not the same. This will trigger the QCI re-calculation.

Alternatively, it may be sufficient to maintain the desired parameter value as a default value via transaction O3DEFAULTS, if it does not need to be changed during tank dip creation. Example: The vapor correction indicator must be set to "X" (apply vapor space calculation) for all calculations.

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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	all		
S/4 HANA	all		