

1478022 - How to analyze sales document status issue

Version	3	Type	SAP Knowledge Base Article
Language	Inglés	Master Language	Inglés
Release Status	Released to Customer	Category	How To
Component	SD-SLS-GF-ST (SD Status management)	Released On	17.05.2016

Please find the original document at <https://launchpad.support.sap.com/#/notes/1478022>

Symptom

- The status of sales document is incorrect.
- Status is not correctly updated after creating subsequent document.
- Header status does not consist with item status.

Environment

- Sales and Distribution (SD)
- Logistics Execution (LE)
- SAP R/3 4.6B
- SAP R/3 4.6C
- SAP R/3 Enterprise 4.7x110 (Extension Set 1.10)
- SAP R/3 Enterprise 4.7x200 (Extension Set 2.00)
- mySAP ERP 2004
- SAP ERP 6.0
- SAP ERP Central Component 5.0
- SAP ERP Central Component 6.0
- SAP enhancement package 1 for SAP ERP 6.0
- SAP enhancement package 2 for SAP ERP 6.0
- SAP enhancement package 3 for SAP ERP 6.0
- SAP enhancement package 4 for SAP ERP 6.0
- SAP enhancement package 4 for SAP ERP 6.0 on SAP enhancement package for SAP NetWeaver 7.0
- SAP enhancement package 5 for SAP ERP 6.0
- SAP enhancement package 6 for SAP ERP 6.0
- SAP enhancement package 7 for SAP ERP 6.0
- SAP enhancement package 8 for SAP ERP 6.0
- SAP enhancement package 6 for SAP ERP 6.0, version for SAP HANA

Reproducing the Issue

1. Call transaction code for changing or displaying sales document, for example T-code VA02.
2. Enter sales document number.
3. Press Enter to jump to the overview screen.
4. Menu->Goto->Header->Status OR Menu->Goto->Item->Status
5. Incorrect status is displayed.
6. Call T-code SE38.
7. Enter Program SDVBUK00.
8. F8.
9. Enter sales document number.
10. Leave "Test run without update" as "X".

11. F8.
12. Check whether the incorrect status could be selected.

Case 1

- Report SDVBUK00 shows the incorrect status
- You are in old release
- The issue could be reproduced by creating new sales document

Case 2

- Report SDVBUK00 shows the incorrect status.
- The issue could not be reproduced by creating new sales document.

Case 3

- Report SDVBUK00 shows that the status for this sales document is correct

Cause

Possible cause:

- Program error in old release.
- Miss-understanding of status calculation logic.
- Incorrect coding in userexit.

Resolution

For Case 1:

- Search program error notes with the technical name of status field (for example VBUP-LFSTA) and apply them.
- Run report SDVBUK00 in real mode by setting "Test run without update" as blank to correct existing documents.

For Case 2:

- You could only run report SDVBUK00 in real mode for correction.
- Root cause could only be specified with a reproducible example. Most of this kind of issues are caused by incorrect customer coding in userexit.

For Case 3:

- If you could not get the incorrect status with report SDVBUK00, then it means that the current status is correct in sales order.
- Please refer to [SAP Note 207875](#). If you would like to know the system logic for status determination, please refer to "See Also".

See Also

System logic for status determination

For item status, it is necessary to check the subsequent documents and table VBFA to confirm whether the status is correct or not.

For header status, it gets calculated based on all item statuses.

Debugging is the quickest tool to find how the status is calculated. You could set breakpoint at Function module:

RV_XVBUP_MAINTAIN for item

RV_XVBUK_MAINTAIN for header

We are more interested in RV_XVBUP_MAINTAIN since the header status is calculated based on all item statuses.

For each of the relevant status, there is an own subroutine to determine its value. The naming convention is: VBUP-XXXXX_ERMITTELN for the item status XXXXX.

VBUK-XXXXX_ERMITTELN for the header status XXXXX.

Keywords

Delivery status; Billing status; Complete status; VBUK; VBUP; ECC; SDVBUK00

Products

SAP ERP 6.0

SAP ERP Central Component 5.0

SAP ERP Central Component 6.0

SAP R/3 4.6B

SAP R/3 4.6C

SAP R/3 Enterprise 4.7x110 (Extension Set 1.10)

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SAP enhancement package 1 for SAP ERP 6.0

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SAP enhancement package 6 for SAP ERP 6.0, version for SAP HANA

SAP enhancement package 7 for SAP ERP 6.0

SAP enhancement package 8 for SAP ERP 6.0

SAP enhancement package for SAP ERP 2005

mySAP ERP 2004