Transaction Variants - What you can do with Standard SAP
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We Are: DICKINSON + ASSOCIATES

- Our company began 14 years ago with a partnership with our first client Rolls-Royce: *one that still exists today*.
- Since then our single focus has simply been delivery of quality SAP implementation services to direct clients and in support of major System Integrators across over 90 projects in North America, Europe, and Asia.
- Our long term repeat customers prove our record of success in SAP initiatives. Our team of 130+ full-time SAP professionals combined with our extended pool of hundreds of well-known and previously-engaged contract consultants are highly referenced and relied on again and again.
- Our consultant profile reflects the ideal mix of years of relevant business knowledge, very strong SAP credentials, and solid communication skills.
- We are BUSINESS PEOPLE WHO KNOW SAP.
What Sets Us Apart? Our People.

- Experienced consultants with strong SAP knowledge, sound project management capability, and years of industry experience.
- Proven experience in delivering innovative ERP solutions with minimal disruption to the business.
- An open corporate culture that makes us “big enough to deliver value and small enough to care”.
- We carefully create each project team or support team to match the client objectives and its culture.
- Most important, we understand and believe strongly that **Companies don’t implement SAP... People Do.**
Other Key Facts About the Firm:

**Industry Focus:** Consumer Products/Retail, Manufacturing, Public Sector

**Global Delivery:** Projects Delivered in North America, China, Europe

**SAP Experience:** Averages: 14 years (SAP), 19 years (Business)

**Consulting Base:** 137+ Full-Time Consultants, 8,000+ On Demand Independents

**Office Locations:** Headquarters: Chicago, IL
Regional: New York, NY; Scottsdale, AZ; Cincinnati, OH

**Consistent Growth:** 13 years revenue growth

**SAP Partnerships:** Channel Partner, Services Partner, All-in-One
Learning Points

- What is a Transaction Variant
- When to use Transaction Variants
- What can I do with Transaction Variants
Best Practices

- Utilization of Standard SAP functionality versus custom development
Life without Transaction Variants

- Many required fields caused users to click on multiple tabs to complete information
- Too many unused fields causes users to scroll through tabs searching for a required field
- Required fields often have warning messages.
- Field level security can be painful
VA01 Before Transaction Variants

Click 1
VA01 Before Transaction Variants

Click 2
VA01 Before Transaction Variants

Click 3
VA01 Before Transaction Variants

Fields – seldom used or not used at all
VA01 Before Transaction Variants

Fields – seldom used or not used at all
Required fields on separate tabs

- Required fields on one Tab:
  - Shipping Condition – Header – Shipping
GOAL – A more user friendly order entry screen with no development effort

- The key required fields are now on one screen versus having the user to click on additional tabs to populate the data. Fields not used or rarely used were hidden.
  - Order reason
  - Shipping condition
  - Purchase order type
Transaction Variants

- BEFORE
Transaction Variants

- AFTER

\[\text{Create Standard Order: Overview}\]

- Standard Order
- Net value: 0.00
- Sold-to party
- Ship-to party
- PO Number: 
- PO date: 

\[\text{Sales} \quad \text{Item overview} \quad \text{Item detail} \quad \text{Procurement} \quad \text{Shipping} \quad \text{Reason for rejection}\]

- Req. deliv.date: 04/19/2012
- Deliver.Plant
- Complete div.
- Delivery block
- Billing block: Pricing date: 04/19/2012
- Total amount: 0.00
- Doc. currency
- Order reason
- Shp.Cond.
- Purchase order type
Transaction Variants

- Hidden fields are still accessible via Header > Sales tab
VD02 Example

- In this example, a transaction variant was used to hide all tabs except the Partner Functions tab in the Customer Master change transaction.
Transaction Variant

- What is a Transaction Variant?
  - A set of screen variants. When you create your own transaction variant you can adopt one or all of the screen variants.
  - The field values / field attributes are stored in the screen variants.
  - SAP help is very detailed regarding transaction variants (SHD0 tcode, click on the Application help icon)
Transaction Variant

- What can I do with Transaction Variants?
  - Insert default values for fields
  - Hide fields
  - Change fields to read only
  - Hiding and changing the attributes of tables of control columns
  - Hide individual menu functions
  - Hide entire screens
Transaction Variant

- Access transaction variants via tcode SHD0. In this example there are two variants for VA01. One for Standard orders and one for Free of Charge orders.
Transaction Variants

- If you do not want to make changes to a particular screen, you can “un-check” the **Copy settings** check box. The screen will not be included in your transaction variant. Press enter to continue.
Transaction Variants

- You can hide icons (create customer for example)
Transaction Variants

- You can save with content (W. content). In the example below the PO will always begin with “FREE”
Transaction Variants

- You can save with content (W. content). In the example below the PO will always begin with “FREE”. As you can see the field is not grayed out and can be changed.
Transaction Variants

- You can save with Output only. This will not allow the user to change the defaulted field value. Example below has PO Date marked.
Transaction Variants

- Note: some of the icon functionality can also be accessed via menu paths. In this example you should also disable the menu path option to create a customer. Click on the De-activate Menu functions at the bottom of the screen.
Transaction Variants

- Expand the menu bar, then follow the menu path to the Create customer option. Click on the menu path entry you wish to disable, then click on the Deactivate icon.

This will change the color to indicate the option is deactivated.
Transaction Variants

- Create customer icon is hidden:

![Create Standard Order: Overview](image1)

- Create Sold to Party menu path is disabled:

![Create Standard Order: Overview](image2)
Transaction Variants

- You can hide entire tabs.
Transaction Variants

- Ordering Party tab is not visible
Transaction Variants

- You can hide, save with content, set to display only or make certain fields required.
Transaction Variants

- Before you save the transaction variant you can make any changes to the screens that are included in the variant.
Transaction Variants – Example SCC1 Transaction

- **BEFORE:**

  ![Transaction Screen](image)

  To create a new Transaction Variant, in the Transaction Variant field, enter a variant name beginning with a Z then click the Create icon.
Transaction Variants – Example SCC1 Transaction, cont.

- This will call the SCC1 transaction. In the transaction, the Include Request Subtasks box was checked.

- After pressing enter, the screen entries pop up box will appear.
- In this example there is only one screen variant.

### Change transaction variant

<table>
<thead>
<tr>
<th>Field</th>
<th>Contents</th>
<th>W. content</th>
<th>Output only</th>
<th>Invisible</th>
<th>Required</th>
<th>Technical name</th>
</tr>
</thead>
<tbody>
<tr>
<td>Client Copy by Trans</td>
<td>000</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>%_AUTOTEXT026</td>
</tr>
<tr>
<td>Source Client</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>CCPROFSR-SRCCLIENT</td>
</tr>
<tr>
<td>SOURCE_CLIENT_T</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>SOURCE_CLIENT_T</td>
</tr>
<tr>
<td>Transport Request</td>
<td>DA1K900214</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>COMFILE</td>
</tr>
<tr>
<td>Including Request Su (Check box)</td>
<td>X</td>
<td>✓</td>
<td></td>
<td></td>
<td></td>
<td>INCL</td>
</tr>
<tr>
<td>Test Run (Check box)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>TEST_RUN</td>
</tr>
<tr>
<td>Display Log (Pushbutton)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>VIEW_PROTOCOL</td>
</tr>
</tbody>
</table>
Transaction Variants – Example SCC1 Transaction, cont.

- Click SAVE. You will be prompted for a Development Package.

- Then a transport request
Transaction Variants – Example SCC1 Transaction, cont.

- Green arrow back. In the main Transaction and Screen Variants screen we assigned this transaction variant to the Standard variant. So anytime SCC1 is executed the “Including Request Subtasks” box is checked.

- Click the Activate Icon
Transaction Variants – How to use?

- There are four options to assigning a Transaction Variant
  1. Assign to a Z transaction code
     - From SHD0 tcode, enter SAP Transaction Code and your new Z Transaction Variant
     - Use menu path Goto > Create variant transaction
Transaction Variants – How to use?

- Click continue and SAVE

![Create Variant transaction]

- Now you can use the new Z transaction code

![SAP Easy Access]
2. Assign the Transaction Variant to a standard SAP Tcode VA01
   - From SHD0 tcode, enter SAP Transaction Code and your new Z transaction
   - Click on the Standard Variants tabs
   - Click the activate icon
### Transaction Variants – How to use?

3. Assign the Transaction Variant to an Order Type
   - From the IMG menu use path >Sales and Distribution > Sales > Sales Documents > Sales Document Header > Define Sales Document Types
   - In the Sales document type detail screen enter the Z transaction variant in the Variant field then SAVE
Transaction Variants – How to use?

4. Assign to a group of users
   - From SHD0 tcode click on the Standard Variants and Variant Groups tabs
   - Enter a Group Name
   - Click the create icon
Transaction Variants – How to use?

4. Assign to a group of users
   - Give the new group a description in the Maintain Variant Group pop up box

   - This will generate a new Transaction Variant
Transaction Variants – How to use?

4. Assign to a group of users
   - Click on the Transaction Variants tab and assign the Screen Variant created before to the new Transaction Variant.
   - Click on the Standard Variants tab to assign users to the group by entering the User id then clicking on the Assign button.
Key Learnings

- Overview of Transaction Variants
- Basic understanding of what you can do with Transaction Variants
Thank you.