User Exit for Deliveries

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In shipping processing, there are other user exits available to you in addition to the Business Add-Ins:

**User exits in the form of includes**

These include routines are no longer conventionally delivered by SAP through upgrades or support packages, which means that your own changes to these includes will be kept. The includes contain empty FORM routines that are called at various points during shipping processing. You can fill the FORM routines with your own coding, in order to process your own additional data or to change data from the standard processing.

Because you can access various application data within these user exits, and no defined interfaces are available, there is a high risk of effects on the standard range of function. For this reason, you must take particular care with implementation and a wide range of tests to ensure your functional enhancements are completely failsafe.

**Customer exits (SAP enhancements)**

You can assign, and therefore activate, projects using transaction CMOD. For more information on each of the enhancements, see the documentation for the enhancements or its components. To do this, call up transaction SMOD and enter the name of the relevant enhancement. The following gives you an overview of the existing delivery processing and shipping processing functions that you can influence using user exits.

**Processing Delivery Data**

WE can use the following includes to process delivery data:

- **MV50AFZ1**
  - This include contains routines for processing delivery header and item data, as well as for changing the Entire delivery at central points during delivery processing. For more information on the exit, see note 415716.

- **MV50AFZ2**
  - You can use this user exit to influence distribution of the delivery quantity to the batches found.

- **MV50AFZ3**
  - WE can use this user exit to control the confirmation requirement of an individual delivery item. You can only use this user exit for picking without Warehouse Management.

- **MV50AFZK**
  - WE can use this user exit to control material determination (material listing, material exclusion, product selection), by changing the communication structures for accessing the condition tables.

- **MV50AFZL**
  - This exit allows you to control the behavior of delivery creation for order-based deliveries in the case of incomplete delivery groups.

**Status Updates**

WE can use the include LV50PFZA to determine your own delivery item status. WE can use the include RV45PFZA to determine your own header status. This exit is also used by other applications in Sales and Distribution (sales order, billing document).

**Incompletion Control of Deliveries**

WE can use the include FV50UZXX to program individual incompletion checks for a delivery document. Note 158807 contain more information on this.

**Decentralized Warehouse Management System**

WE can use enhancement V50S0001 to control system behavior when you create deliveries in the decentralized Warehouse Management System:

- Control of the input attributes of delivery fields for distributed deliveries
- Control of number assignment for a delivery created in the decentralized WMS

**Collective Processing of Deliveries**

WE can use the following enhancements to control determination of the organizational units that control the picking or put away process of deliveries:

- **V02V0002**
  - Storage location determination
- **V02V0003**
  - Gate and staging zone determination (Header)
- **V02V0004**
  - Staging zone determination (item)

**Delivery Monitor**

WE can use the enhancement V50Q0001 to influence the data selection for outputting the list. For more information, see note 128150.

**Constructing Wave Picks**

WE can control the construction of wave picks using the customer exits in enhancement V53W0001.

**Subsequent Outbound Delivery Split**

WE can use the FORM routines in the include LV53SFZ1 to enhance the functions of the subsequent delivery split. The include LV53STZ1 enables you to enhance the type group that is used by the function modules of the delivery split. For more information see note 416765.

**Processing Delivery IDocs**

WE can use the following enhancements to process delivery data:

- **MV50AFZ1**
  - This include contains routines for processing delivery header and item data, as well as for changing the Entire delivery at central points during delivery processing. For more information on the exit, see note 415716.

- **MV50AFZ2**
  - You can use this user exit to influence distribution of the delivery quantity to the batches found.

- **MV50AFZ3**
  - WE can use this user exit to control the confirmation requirement of an individual delivery item. You can only use this user exit for picking without Warehouse Management.

- **MV50AFZK**
  - WE can use this user exit to control material determination (material listing, material exclusion, product selection), by changing the communication structures for accessing the condition tables.

- **MV50AFZL**
  - This exit allows you to control the behavior of delivery creation for order-based deliveries in the case of incomplete delivery groups.
WE can use the following enhancements to influence processing of delivery IDocs:

<table>
<thead>
<tr>
<th>Enhancement</th>
<th>Function</th>
</tr>
</thead>
<tbody>
<tr>
<td>V55K0001</td>
<td>Delivery (Inbound) : Copy data</td>
</tr>
<tr>
<td>V55K0002</td>
<td>Delivery (Inbound) : Prepare processing</td>
</tr>
<tr>
<td>V55K0003</td>
<td>Delivery (Inbound) : Evaluate result</td>
</tr>
<tr>
<td>V55K0004</td>
<td>Shipping notification (Inbound): Modification of IDoc control data</td>
</tr>
<tr>
<td>V55K0005</td>
<td>Purchase order (Inbound): Modification of IDoc control data</td>
</tr>
<tr>
<td>V55K0011</td>
<td>Shipping notification (Inbound): Copy data</td>
</tr>
<tr>
<td>V55K0012</td>
<td>Shipping notification (Inbound): Prepare processing</td>
</tr>
<tr>
<td>V55K0013</td>
<td>Shipping notification (Inbound): Evaluate result</td>
</tr>
</tbody>
</table>

User exit for BAPI replication/confirmation of deliveries

Best regards, Venkataswamy