

Pharma Group Germany	Order-to-Cash O2C Customer Batch Reservation	Functional Requirements Specification
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Title: **FRS for Customer Batch Reservation**

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Organization: **Pharma Group Germany**

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Solution Reference: **SAP ERP 6, System P01**

Business Process Master List Assignment:

Business Scenario: **Order-to-Cash O2C**

Business Process: **Customer Batch Reservation**

Sub Processes: **Reservation Creation
Reservation Call-Off
Reservation Cancellation
Reservation Reporting**

Version: **1.0**

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Document Responsibilities

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Edition		
Review		
Approval		

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History of Changes

Version	Version Date	Changes compared to previous version
1.0	15.11.2012	Creation of first version

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1 Objectives and Scope of Document

This document describes the functional requirements of Pharma Group Germany for the implementation of the business process "Customer Batch Reservation".

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2 Implementation of Business Requirements

2.1 Implementation Overview

The specified user requirements are not covered by the functionalities already available in the global template. The steps for the implementation of the requirements can be summarized as follows:

- Implementation of two new order types and two order item types (Reservation Creation, Reservation Cancellation, Call-Off Item Type)
- Development of a new form (Reservation Confirmation)
- Online message during order processing that for entered product batches have been reserved)
- Enhancement of s standard stocklist (display of customers having reserved a batch)
- Development of new ABAP report for reservation monitoring
- Development of a BW report incl. data extractors

Implementation details are described in the following sections. All functional requirements where a development is needed will be described in a separate document (Functional Requirements – System Enhancement FRS-SE) and will be linked to this document.

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2.2 Implementation Steps

2.2.1 Reservation Creation

For the creation of a reservation a new order type and a new order item type will be added. This order type will accept items that are free-of-charge and the creation of a delivery will trigger picking of a batch in LE and a transport order in WM. LE and WM functionalities require no adaptations concerning the new order type. The reservation is completed when the transport order is completed. The status of the new order is then set to "Completed". The reservation is confirmed. A new form is developed for this (FRS-SE needed)

User Requ.ID Risk ID	Functional Requirement F-ID	Implementation Type		Implementation Result								Transaction List
		Customizing	Development	Document/ Item Type	Org. Unit	Report	Dialogue	Output	Transaction	Interface	Other	
1234	F-1234	Y	N	Y	N	N	N	N	N	Y	N	VA01, VA02
1235	F-1235	N	N	N	N	N	N	N	N	N	N	VA01, VA02
1236	F-1236	Y	Y	N	N	N	N	Y	N	N	N	VA01, VA02
1237	F-1237	Y	N	Y	N	N	N	N	N	N	N	VA01, VA02

Implementation Remarks:

- F-1234:** A new order type BR is needed. WM will handle the storage of the reserved quantities in dedicated locations so that no additional organizational units will be needed.
- F-1235:** No activities required as entering a batch no. manually is SAP standard functionality.
- F-1236:** A new form is required that can be based on the existing order confirmation layout. Texts need to be adapted according to the confirmation of a reservation.
- F-1237:** A new item type 1 is needed which is linked to the order type BR. The item type is for free-of-charge items. The standard item type Free-of-Charge cannot be used due to a different LE/WM and FI handling.

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2.2.2 Reservation Call-Off

A call-off is handled with the standard order type. A message is displayed as soon as a product is entered for the customer where a reservation is found. An existing user exit will be used for this. Details will be described in an FRS-SE.

The new item type 2 is needed as the availability check for this item only checks the availability of the reserved quantity. The further processing of the delivery / billing follows the standard procedure.

User Requ.ID Risk ID	Functional Requirement F-ID	Implementation Type		Implementation Result								Transaction List
		Customizing	Development	Document/ ItemType	Org. Unit	Report	Dialogue	Output	Transaction	Interface	Other	
1238	F-1238	Y	N	Y	N	N	N	N	N	N	N	VA01, VA02
1239	F-1239	Y	Y	N	N	N	Y	N	N	N	N	VA01, VA02

Implementation Remarks:

- F-1238:** A new item type 2 is needed and must be linked to the standard order type SO. Item type 2 is relevant for billing. A new order type for call-offs is not needed.
- F-1239:** If a material is entered for which a batch reservation exists the message “batch reservation for customer . . . exists” with a list of the reserved batches is displayed in a pop-up. If the order entry staff selects the reserved batch, the order item type is switched to 2. If no call-off from reservation is selected, then the standard order item type N is selected. The described logic is linked to order type 2 and must be developed explicitly.

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2.2.3 Reservation Cancellation

The reservation cancellation is very similar to the reservation creation but activities run reversely. A cancellation of a reservation is not confirmed to the customer.

User Requ.ID Risk ID	Functional Requirement F-ID	Implementation Type		Implementation Result								Transaction List
		Customizing	Development	Document/ Item Type	Org. Unit	Report	Dialogue	Output	Transaction	Interface	Other	
1240	F-1240	Y	N	Y	N	N	N	N	N	N	N	VA01, VA02
1241	F-1241	N	N	N	N	N	N	N	N	N	N	VA01, VA02

Implementation Remarks:

- F-1240:** A new order type RD is needed. The reservation cancellation RD triggers a stock transfer. WM will handle the transfer of the reserved quantities to the storage location of the unreserved stock.
- F-1241:** No implementation activities are needed. For the inspection of reserved stock that is retransferred QA can trigger a quality inspection based on rules described in a SOP.

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2.2.4 Reservation Reporting

All functionalities here will be developed and are described in detail in the FRS-SE. From the risk analysis an additional requirement was added that will be implemented for the ABAP report.

User Requ.ID Risk ID	Functional Requirement F-ID	Implementation Type		Implementation Result								Transaction List
		Customizing	Development	Document/ Item Type	Org. Unit	Report	Dialogue	Output	Transaction	Interface	Other	
1242	F-1242	N	Y	N	N	N	Y	N	N	N	N	MMBE
1243 R1243	F-1243	N	Y	N	N	Y	N	N	N	N		New ABAP Report
1244	F-1244	N	Y	N	N	Y	N	N	N	N	Y	BW Report

Implementation Remarks:

- F-1242:** A functionality is developed in the stocklist that invokes a pop-up when the cursor is placed on a batch line and the right mouse key is clicked. All customers that have reserved this batch including the open reservation quantity are displayed.
- F-1243:** An ABAP report is needed showing customers and reserved batches. For the batches, the following information must be listed: initially reserved quantity, quantity already called off, current reserved quantity, expiry date of batch, last date of reservation placed, last call-off date.
- F-1244:** The extractors for BW must be adapted for the new order types and order item types. A BW report will be created for a monthly reservation overview.

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3 Appendix

Implementation details and the documentation of all developments are not part of this specification. They will be added to the customizing and development documentation after the implementation is completed.

User Requ.ID Risk ID	Functional Requirement F-ID	Implementation Type		Implementation Result								Transaction List
		Customizing	Development	Document/ Item Type	Org. Unit	Report	Dialogue	Output	Transaction	Interface	Other	
1	2	3	4	5	6	7	8	9	10	11	12	13

- (1): Link to User Requirement ID / Risk ID from Risk Analysis
- (2): Unique ID of the functional requirement
- (3): Requirement implementation involves customizing
- (4): Requirement implementation involves development (i.e. programming) → Create FRS-SE when developments are required
- (5): A document type and / or item type will be implemented or adapted (e.g. new order type)
- (6): Organizational units will be implemented or adapted.
- (7): A report will be implemented or adapted.
- (8): A dialogue will be implemented or adapted.
- (9): An output (e.g. form) will be implemented or adapted.
- (10): A transaction will be implemented or adapted
- (11): An interface will be implemented or adapted
- (12): Other types of implementation, to be specified
- (13): Transactions where the implemented functionalities will be used

Remark: This specification approves that the specified functionalities can be implemented. It does not replace an appropriate and more detailed documentation of all the customizations and developments that are finally implemented.