

# Implementing Feature of Automatic De-allocation of Stock for Transfer Posting Movement in AFS 6.0



## Applies to:

The process applies to the SAP industry solution for Apparel and Footwear release AFS 6.0.

For more information, visit the [Enterprise Resource Planning homepage](#).

## Summary

AFS Allocation Run (ARUN) module fix reserves stock on a batch in the inventory. When the AFS article has suspected quality issues it becomes necessary to move the stock from valuated un-restricted use to quality inspection in the batch stock segment. But since the stock was fixed, it became impossible to move it to quality inspection segment until the fix was manually revoked via the ARUN management tool.

With the newly implemented feature in AFS 6.0 the stock can be automatically de-allocated for specific transfer posting movement types.

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## Author Bio

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## Functional Background

The client is an Apparel and Footwear major based in Germany and the project was upgrading the SAP AFS infrastructure from release AFS 3.0B to AFS 6.0

Transfer posting Movement 322 is a SAP standard movement to transfer stock from Valuated Unrestricted-use to Quality Inspection in the batch stock segment.

The client's North American subsidiary uses this movement in most cases when the article has suspected quality issues or when it should undergo a material change (from specific to generic style or from category A to category B), or when the article is lost in a cycle count and is expected to be found again.

When there exists fixed/reserved stock for a batch the client, wanted the feature of automatic de-allocation in a situation when the MRP relevant stock is falling below the AFS fixed/reserved quantity as a result of the 322 posting. In AFS 3.0B release, by BDC technique the stock was first de-allocated and later the movement was done.

From AFS 6.0 release, the feature of automatic de-allocation was provided as a standard feature by SAP AFS but this feature was only for goods issue postings.

## Client's Requirement Realization

### Client's Enhancement in AFS 6.0

An additional node was introduced in ARUN customizing (transaction **J3AS**) to make configuration settings also for transfer posting movements to handle automatic de-allocation.

A new node was created under AFS Allocation Run -> Cross Applications -> Transfer Posting handling. Under this another new node was created to hold transfer posting movement types for which the client wanted the de-allocation functionality.

With this setting, for transfer posting movements which have a "Goods issue" attribute (table T156-SHKZG = 'H'), the standard AFS logic itself handled the feature of automatic de-allocation. (For example for movement types 309, ...)

However, movement type 322 has setting T156-SHKZG = 'S'. There is no standard SAP AFS logic to handle automatic de-allocation for such transfer posting movements.

## Conclusion

Hence, the author and consultant responsible for this business process realization suggested the client to go in for an AFS logic modification to cater this business requirement besides the created customer specific node in IMG.

## Technical Impact

In AFS 6.0 release, the form routine **J\_3A\_RESM\_PRUEFEN\_UMLAG** of program **SAPMM07M** is designed to check that MRP relevant stock does not fall below the allocated quantity in case of different transfer posting movements. This is the SAP standard logic.

**Display View "AFS MRP stock types/anticipated avail. (Special stocks)"**

Plnt	Segment	Field name	MRP-av...	Short Description
6030	MCHB	CEINM	<input checked="" type="checkbox"/>	Restricted-use stock
6030	MCHB	CINSM	<input type="checkbox"/>	Stock in quality inspection
6030	MCHB	CLABS	<input checked="" type="checkbox"/>	Valuated stock with unrestricted use
6030	MCHB	CRETM	<input type="checkbox"/>	Stock returns
6030	MCHB	CSPEM	<input type="checkbox"/>	Blocked stock
6030	MCHB	CUMLM	<input type="checkbox"/>	Block in transfer (from one storage location to another)
6030	MKDI	SFINM	<input type="checkbox"/>	Restricted-use consignment stock

The proposed suggestion was to implement an enhanced logic in that form routine such that the above mentioned settings are considered and instead of error message being displayed when the MRP relevant stock is not sufficient then the ARUN function module /AFS/ARUN\_CA\_MBXX\_HANDLING which handles the de-allocation needs to be called.

Program: SAPMM07M

Object Name: J\_3A\_RESM\_PRUEFEN\_UMLAG

```

ENDLOOP.
ENDIF.
DATA: H_XMCHB LIKE XMCHB.
H_XMCHB = XMCHB.
XMCHB = XMCHB_TEMP.
ASSIGN (H_FELD) TO <MENG>.
ADD <MENG> TO DISPO_BESTAND.
XMCHB = H_XMCHB.
ENDLOOP.
FR_MENG = DISPO_BESTAND - XMCHB_TEMP - J_3ARES.
IF FR_MENG < 0.
FR_MENG = 0.
ENDIF.
IF dispo_relevant IS INITIAL AND fr_meng > 0.
EXIT.
ENDIF.
CHECK MSEG-MENGE > FR_MENG.
MESSAGE E623(8J) WITH XMCHB_TEMP-J_3ARES MSEG-MEINS.
ELSEIF NOT DM07M-UMSKA IS INITIAL.

```

## Result

This was successfully implemented and facilitated the client to enormously reduce costs, effort and time in changing many of the critical interfaces it runs from 3-party (non-SAP) warehouse management systems to SAP AFS 6.0.

## Related Content

For more information, visit the [Business Process Expert homepage](#).

For more information, visit the [Enterprise Resource Planning homepage](#).

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