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SAP MM QM Integration

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Detailed Explanation about the MM – QM integration process

Explanation about the step-by-step procedure how to ensure the MM – QM integration process is correctly processed or not and its importance.

Why Quality inspection is needed?

The quality inspection is a procedure that involves checking the various attributes of a product or raw material and by testing it, one can ensure that it meets pre-specified standards, for reducing the downtime of the production or avoid the sales of the damaged product, which reflects the company growth & reputation

Business Scenario:

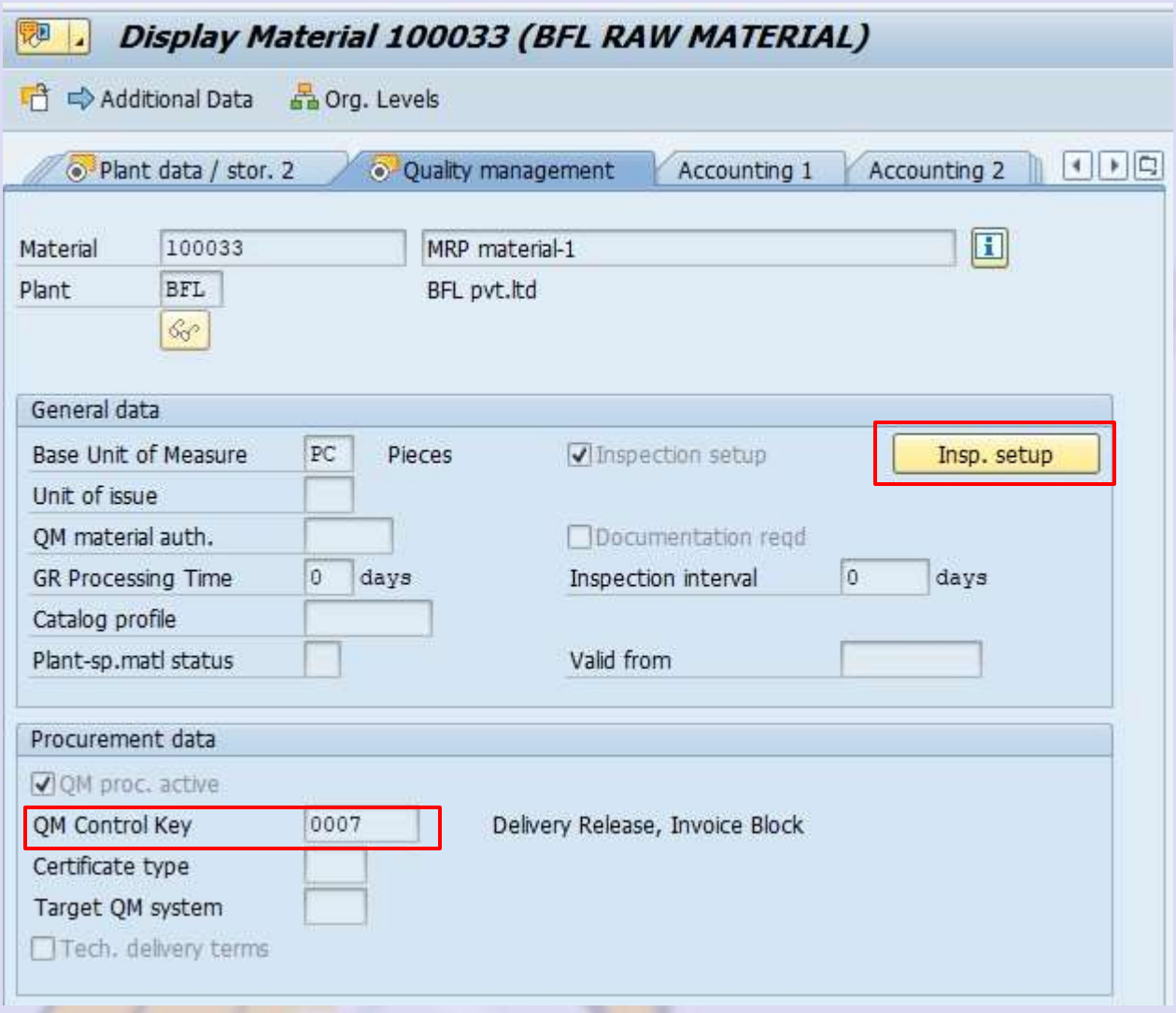
For a Company, the management decided to follow a inspection procedure for one the raw material in order to confirm the quality and specification agreed with the vendor before clearing the invoice or taken as usage stock.

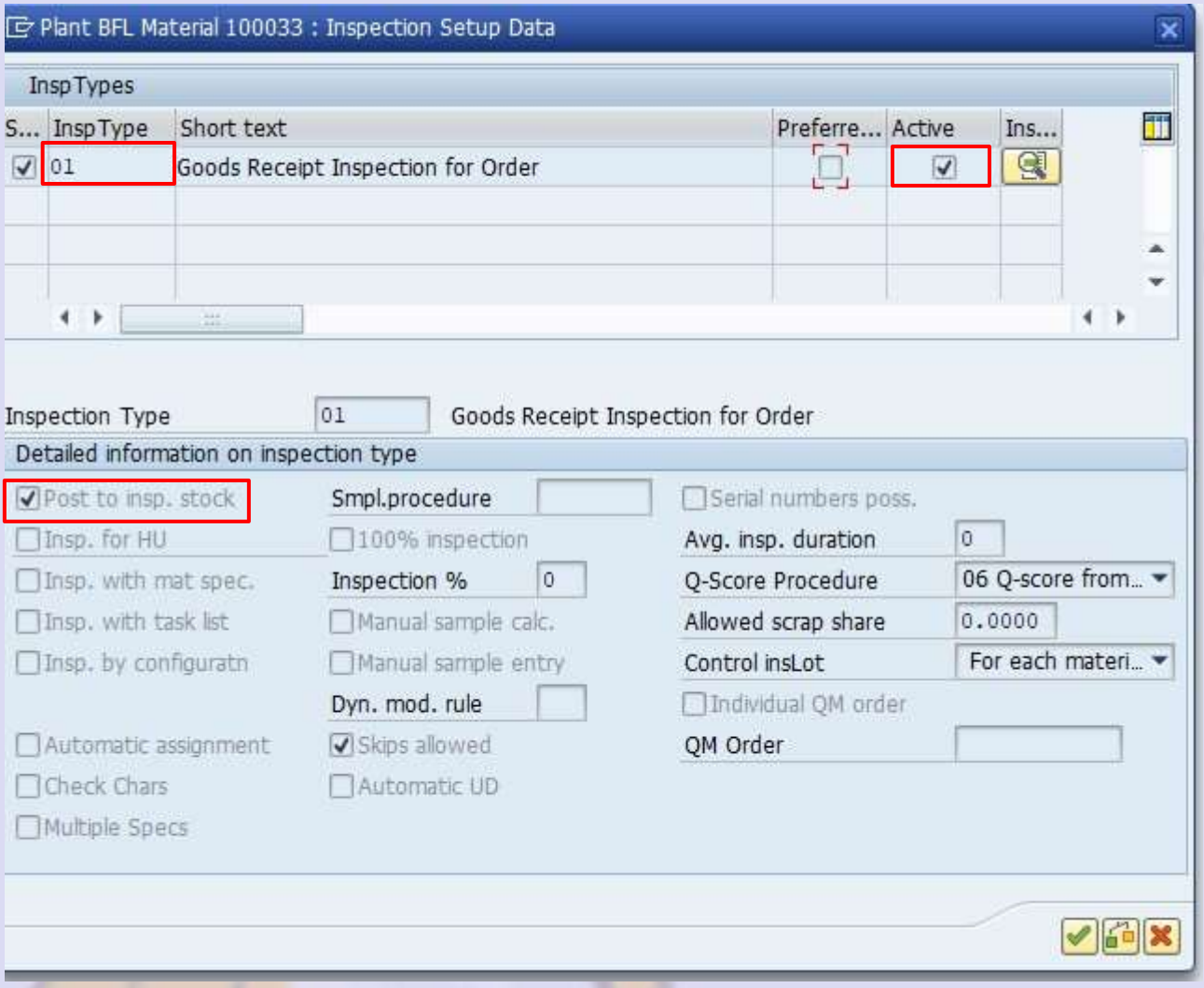
So, the process usually opted in a manufacturing company, after negotiation with the vendor w.r.t price, payment terms, delivery schedule, quality etc. for a material procurement, the vendor deliver the material. Here after posting the Goods Receipt, based on Invoice Verification, the quantity is blocked to inspection and the company quality assurance team will do sampling based on the sampling procedure and analyze the quality specification, as per agreement and give clearance to use. Now the stock will move to unrestricted use or for direct consumption by the user department.

Once the inspection team give green signal, then only the Invoice Verification will be cleared for payment, or else, the stock will be blocked and future discussion with the vendor will be progressed based on the communication.

Pre-requisites:

1. The material type (e.g., ROH, HALB, FERT) should have the Quality management view
2. When on creating the material, it should have the quality management view or else we can also extend the view through MM01.
3. Under the Quality management view the Inspection setup must be activated and assign the inspection type as 01 – Goods Receipt inspection for order, and tick the post to inspect field.


Display Material 100033 (BFL RAW MATERIAL)
Additional Data
Org. Levels
Plant data / stor. 2
Quality management
Accounting 1
Accounting 2
Material
100033
MRP material-1
Plant
BFL
BFL pvt.ltd
General data
Base Unit of Measure
PC
Pieces
Inspection setup
Insp. setup
Unit of issue
QM material auth.
Documentation reqd
GR Processing Time
0
days
Inspection interval
0
days
Catalog profile
Plant-sp.matl status
Valid from
Procurement data
QM proc. active
QM Control Key
0007
Delivery Release, Invoice Block
Certificate type
Target QM system
Tech. delivery terms



4. Unlike we have Vendor material combination like PIR, for purchasing material, the QM also has the QIR – Quality info record: Procurement T-Code - QI01, where we have to maintain the relevant information, such as by when the stock has to be released. Based on the average inspection duration, maintained in material master record. Once the data is entered, save it. Here unlike the PIR generate the doc, the QIR won't generate,

Create Q-Info Record

Material 100033
Revision Level
Vendor 2500010026
Plant bfl

Copy model
Material
Revision Level
Vendor
Plant

Change Q-Info Record

Administrative Data... Status Status management Change documents Purchasing info record

Material 100033 MRP material-1
Revision Level
Vendor 2500010026 mrp vendor-1
Plant BFL BFL pvt.ltd
Deletion flag

Release | Insp. control | Status | Quality agreement

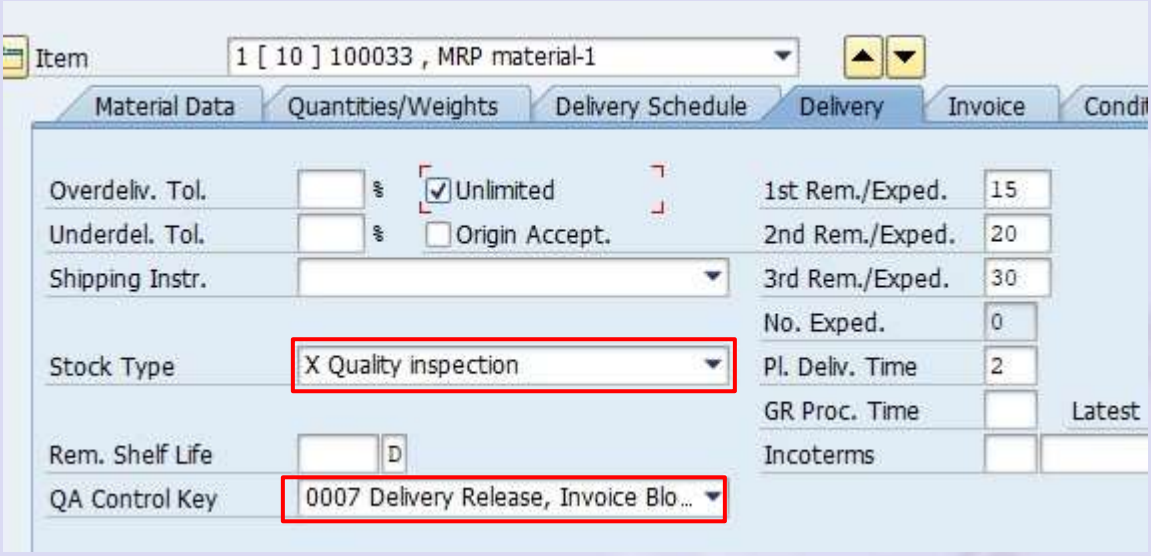
Release date
Release Until 25.10.2022

Release quantity
Release qty. active
Release quantity
Unit of measure PC
Ordered quantity 0
Reset on 19.10.2022

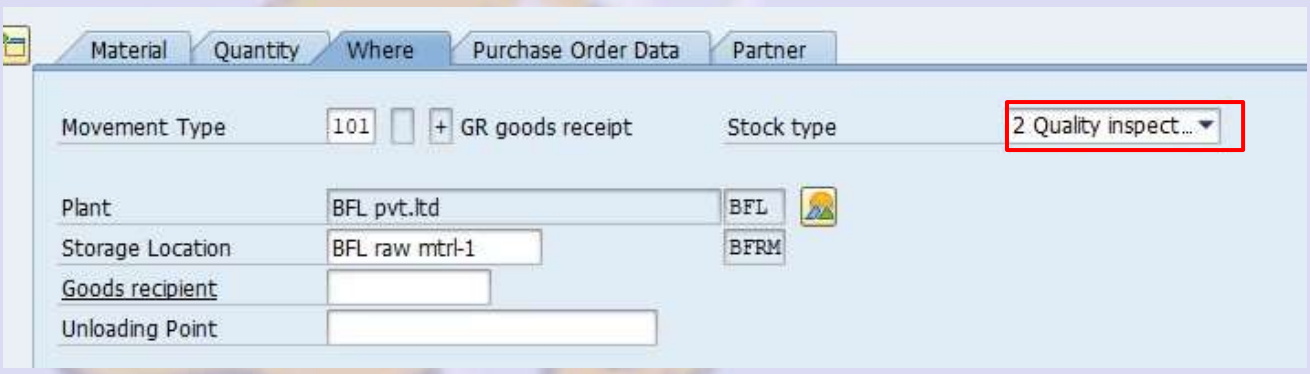
Block
Block function
Block reason
Vendor block

01 Block purchase order
02 Block req. for quotation and pur.order
03 Block pur.order/RFQ and goods receipt
04 Block source determination
99 Total block

5. Now while doing the PO for this material, at item detail level, under delivery tab, we could see the stock type & QA control key as defaulted, this is coming through the material master.



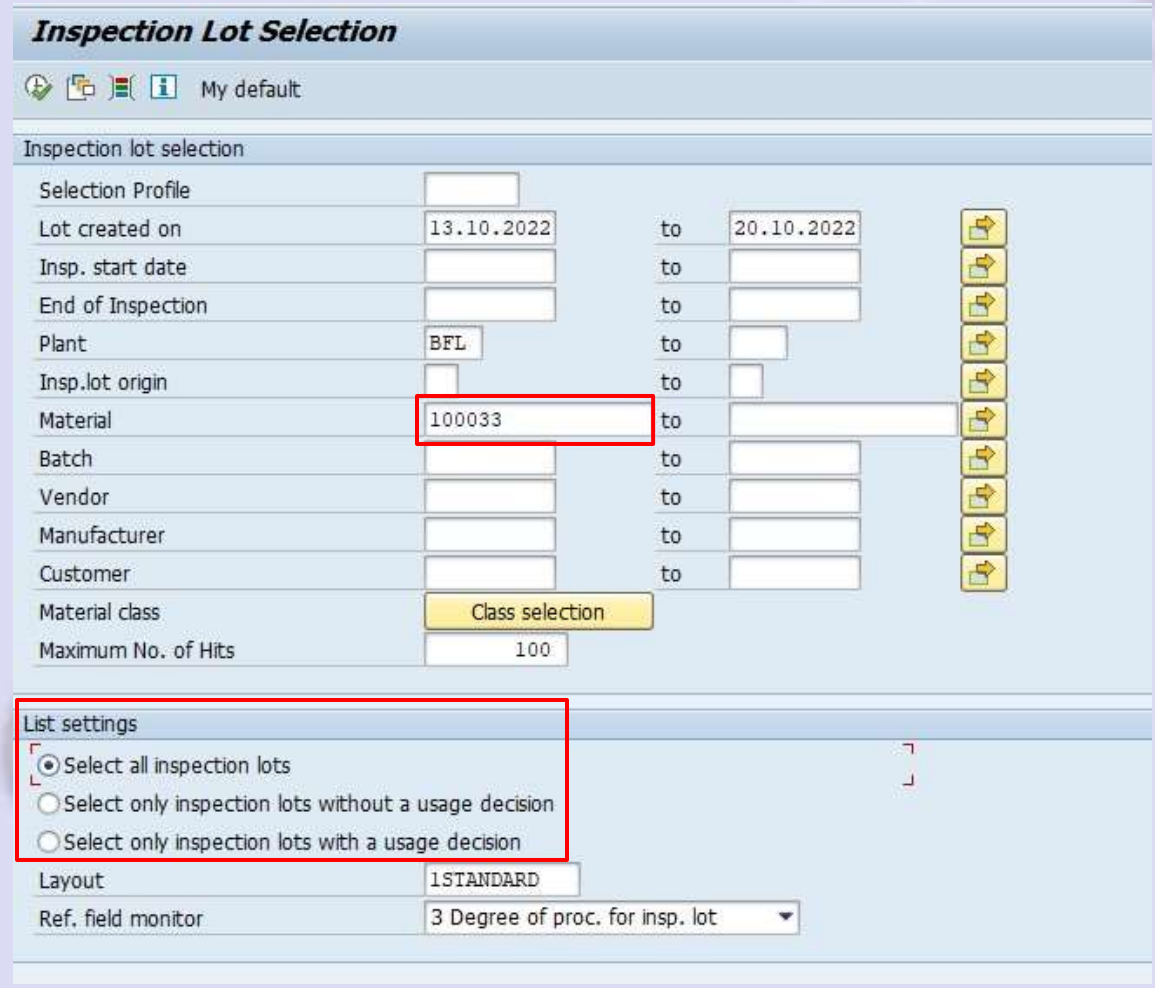
6. Now after goods entry through MIGO, we could see the stock type flown through the PO. The accounting entries are similar to the regular unrestricted stock, but until the material get cleared by the inspection, the Invoice receipt cannot be cleared for payment to vendor.



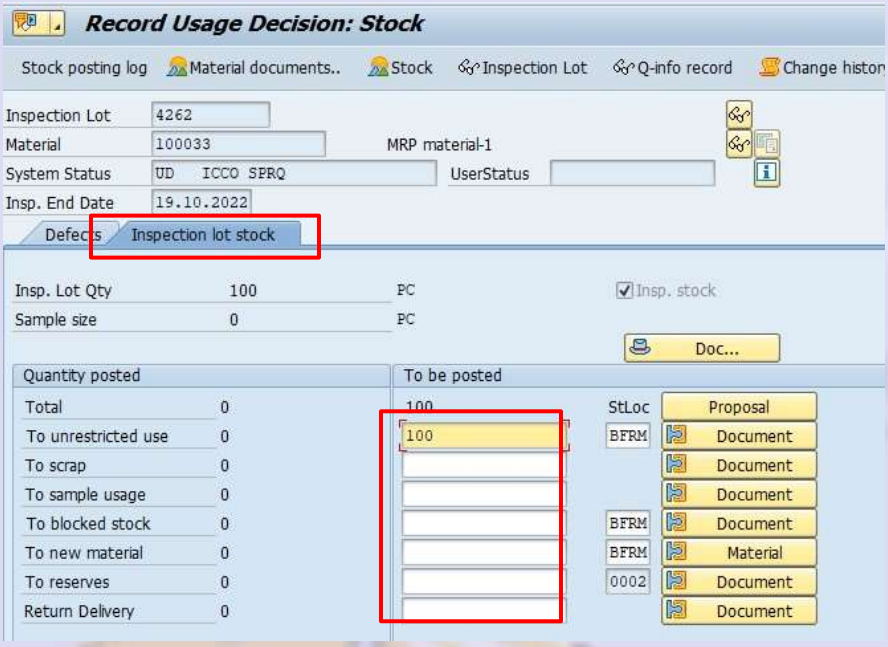
7. Now if we check the stock of this material through MMBE, the stock will be under quality inspection must be cleared by QM.

Client/Company Code/Plant/Storage Location/Batch/Special Stock	Unrestricted use	Qual. inspection	Re
Full		100.000	
BFL BFL India Pvt Ltd		100.000	
BFL BFL pvt.ltd		100.000	
BFRM BFL raw mtrl-1		100.000	

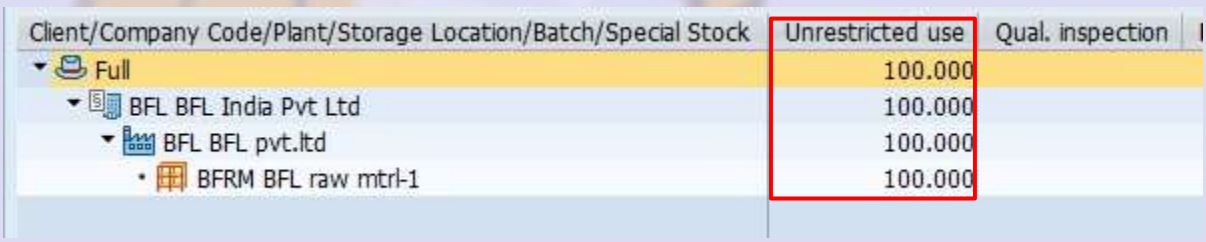
8. Now to clear the material which is under inspection, the QM will run T-Code QA32, and give entry of the material number and select the inspection listing as select all inspection lots or appropriate and execute to view and give usage decision (UD)



9. Now the usage decision screen will appear and here, we need to give the clearance w.r.t the quality and quantity entry of the material and save. Here we can also upload the inspection report.



10. Now let us check the stock for this material



11. Now the material can be use by the user dept. and also the Invoice Receipt can be processed for payment.

12. If the material is shifted to blocked then, we communicate with the vendor for next action plan, if this blocked stock should be used then we must move the stock from blocked to unrestricted through MIGO – MvT type – 343

Client/Company Code/Plant/Storage Location/Batch/Special Stock	Unrestricted use	Qual. inspection	Blocked
Full	100.000	400.000	100.000
BFL BFL India Pvt Ltd	100.000	400.000	100.000
BFL BFL pvt.ltd	100.000	400.000	100.000
BFRM BFL raw mtrl-1	100.000	400.000	100.000

Client/Company Code/Plant/Storage Location/Batch/Special Stock	Unrestricted use	Qual. inspection	Reserved	Blocked
Full	200.000	400.000		
BFL BFL India Pvt Ltd	200.000	400.000		
BFL BFL pvt.ltd	200.000	400.000		
BFRM BFL raw mtrl-1	200.000	400.000		

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