

## **Inventory Management**

Good Issue training



#### **Training Rules**

#### Be punctual

Turn off your mobile phone

• In case you need to attend a call, please go out training room or use

coffee breaks

#### Participate actively

In case of questions ask





#### **Training Summary**



 Description: What is behid obsolete management. Tool to be use for item management. Process flow and reporting



Duration: 2 hours



Target group: Requester, Warehouse Responsible



Topics: Good Issue management



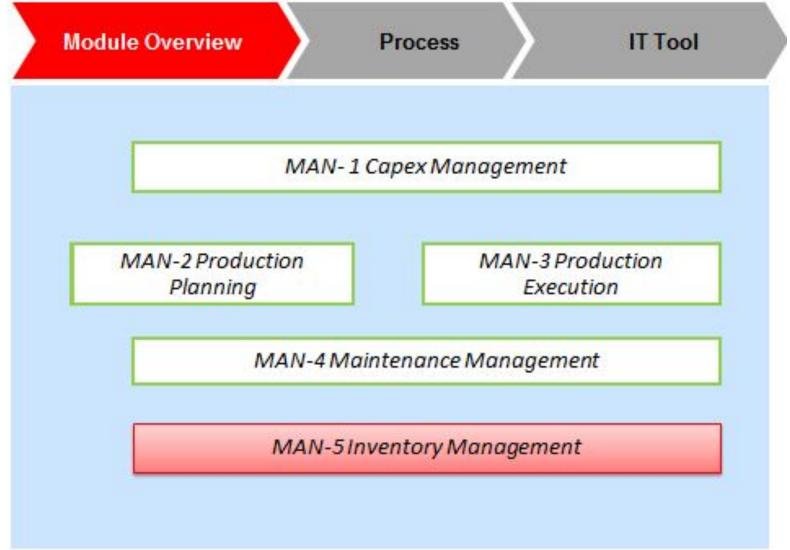
Tools: SAP MM.

#### **Objectives of the Training**

#### At the end of the training, you will be able to:

- •Know how the organizational elements and Master Data, used for Inventory Management are defined.
- •Understand all EBM Inventory Management (IM) processes in the Material transfer business process
- Manage transfers of material between different stock entities in SAP
- Understand the tools designed for material transfer process

# 1.Manufacturing Process Overview Cement Manufacturing Scenarios (Level 1)



## 1.Manufacturing Process Overview Cement Manufacturing Business Processes (Level 2)



#### **Organizational Elements: Plant**

Object	EBM Concept		
Plant	The plant represents a physical location within LafargeHolcim where products are manufactured, received or distributed. In EBM, a plant could be a:  Manufacturing plant (e.g. cement plant, grinding station, blending station, AFR unit, MIC plant, quarry, pit, RMX plant (fix/mobile), asphalt plant)  And also:  Shipping point / terminal / storage location, when it is not located in the same physical location as the production plant and transportation costs must be added to the cost of products  Office / head quarters / trading plant, when they are not located in a production plant  Third parties (suppliers): O2C tech.& legal requirement to create them as virtual plants (just 1 per country)  Power generation plants: just if it is not located next to a CEM plant (*)  Mixed plants: LHARP rule 11.1 2.2.2.5 to be followed (**)  The material stocks will be managed and valuated at plant level.		

<sup>(\*)</sup> If the power generation plant is located next to the CEM plant, only 1 plant code will be created in SAP for both CEM and power plant.

<sup>(\*\*)</sup> If the secondary business is below 20% of cash cost and below 1 Mio. USD, only 1 plant is created, assigned to the main business segment and secondary business is treated as by-product. If the thresholds are achieved, 2 plants should be created and assets properly split.

#### Organizational Elements: Storage location

Object	EBM Concept	ALL SEGMENT (CEM, AGG, RMX, AFR)
Storage Location  Plants  0001  0002  Storage locations  0001  0002  0001  0002	Organizational debetween various Storage level Invento storage movem Stocks basis and location Simplific (Receip manage - Physical	unit that allows to differentiate types of stock within a plant. I locations are created at plant at location level (Goods ents) are managed only on a quantity and not on a value basis at storage a level cation of goods movements ots, issues, transfers,)

#### Organizational Elements: Storage location

Object	EBM Concept ALL SEGMENT (CEM, AGG, RMX, AFR)
Storage Location	<ul> <li>It has a 4 digit coding, where the first digit identifies the usage of the storage location and the remaining 3 are sequential numbers</li> <li>F: For finished/semi-finished products</li> <li>G: For general materials (maintenance materials, production materials – fuels, raw materials, packing,)</li> <li>H: Handling Unit Storage Location (packed waste)</li> </ul>
	<ul> <li>V: For virtual/central warehouse</li> </ul>

#### Organizational Elements: Storage location

		Plant segment			
		CEM	AGG	RMX	AFR
Material types	Finish and semi-finish	F001 F900 (stock in transit) F002 (quarry with internal transfer) F00X (ship / train loadings)	F00X F900		F001
	Production and Raw	G100 G106 (Intermediate stock)	G1XX	G100	G100
	Maintenance	G200 G2XX (special-legal storages) G299 (obsoletes)	G200 G2XX G299	G200 G2XX G299	G200 G2XX G299
	Virtual	V200	V200		
	Packaged				G101 G161
	Handling				H101 H161

**Process** 

#### **Key Process Description: Good Issue**

- "Goods Issues": Term used in inventory management to describe a reduction in warehouse stock due, for instance:
  - To a withdrawal of stock or the delivery of goods to a customer (The data required for goods issue posting is copied from the outbound delivery into the goods issue document)
  - To a consumption of a spare part into a maintenance order or Capex project
  - To a consumption of a production material into a process order
  - To a consumption of a material into other different cost receivers (Cost Center, asset,...)

Material document will be generated and checked (TRX MB03) GI form can be printed

Information (stock) updated in real-time and can be viewed by other functional areas in the business.

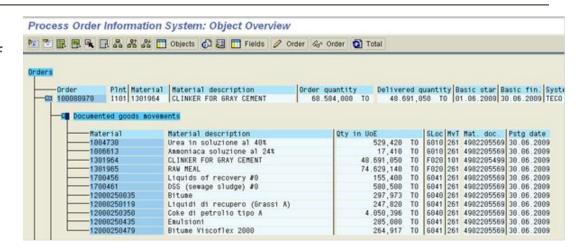
#### Good issue types

Sub-process	SAP Movement Type	Movement Type Description
	201	Consumption for cost center from warehouse
	202	Consumption for cost center from warehouse - reversal
	221	Consumption for project from warehouse
	222	Consumption for project from warehouse - reversal
	241	Consumption for asset from warehouse
	242	Consumption for asset from warehouse - reversal
	251	Consumption for sales from warehouse
	252	Consumption for sales from warehouse - reversal
	261	Consumption for order from warehouse
	262	Consumption for order from warehouse - reversal
	291	Consumption for all account assignments from warehouse
	292	Consumption for all accnt assigmts from warehouse - reversal
Consumption	531	GI by-product
		GI whse to subc.stck
	542	RE subctrStck toWhse
		GI issue sls.ord.st.
		GI receipt sls.or.st
		Withdrawal for scrapping from unrestricted-use stock
		Withdrawal for scrapping from unrestruse stock - reversal
		GD goods issue:delvy
		RE goods deliv. rev.
	631	
		GI consgmt:ret.delvy
	The state of the s	TF to stck in trans.
		TR to stck in trans.
		TF to cross company
		TR to cross company
		GD returns unrestr.
<b>Outbound Delivery</b>	654	GD returns unr. rev.

- Cancellation of a movement type is done using the 'reversal movement type.
- Each movement type will have an specific reversal movement

#### Goods Issues: Some examples of Consumptions

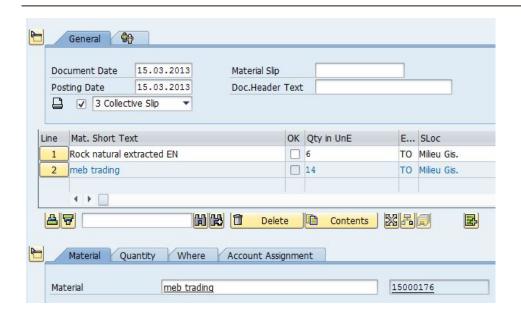
 Process Order (PP): Goods issues of components of a process order are posted during the process order confirmation step.



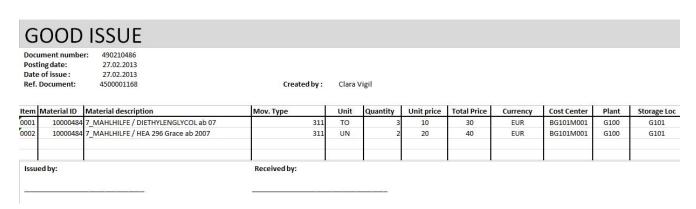
 Maintenance Order (PM): Goods issue of Maintenance Materials from warehouse to a work order



#### How to print (only apply for EE)



- Good Issue form can be automatically once the document is created (stock transfer between storage location and between materials)
- With transaction MB90 GI form can be reprinted



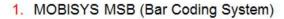
#### IT Tool

Goods Issues processes are covered by two main IT applications:

- SAP ECC 6.0 (Inventory Management)
- Mobisys (Bar Coding Solution) (not applicable for ACM)

#### GI in Mobisys

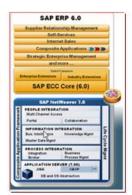
- GI Cost center/reversal
- GI Maintenance order/reversal
- **GI** Reservation
- GI WBS element



Mobile application to enter the goods movements





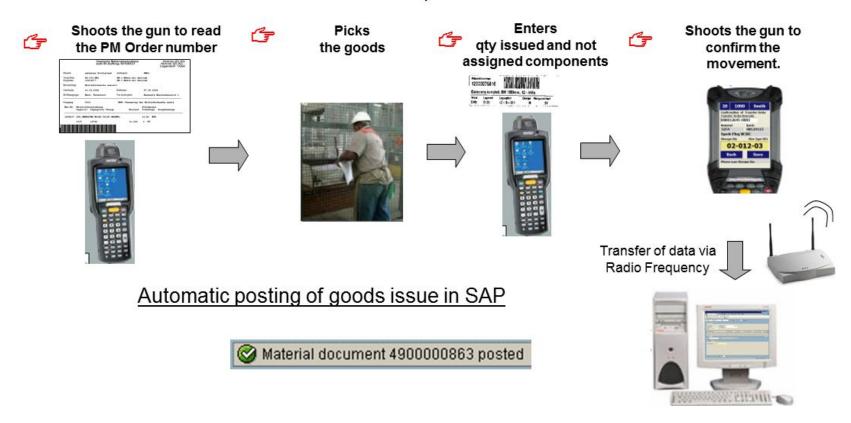


Mobisys has been selected as the standard software to support the EBM **Barcode Solution** 

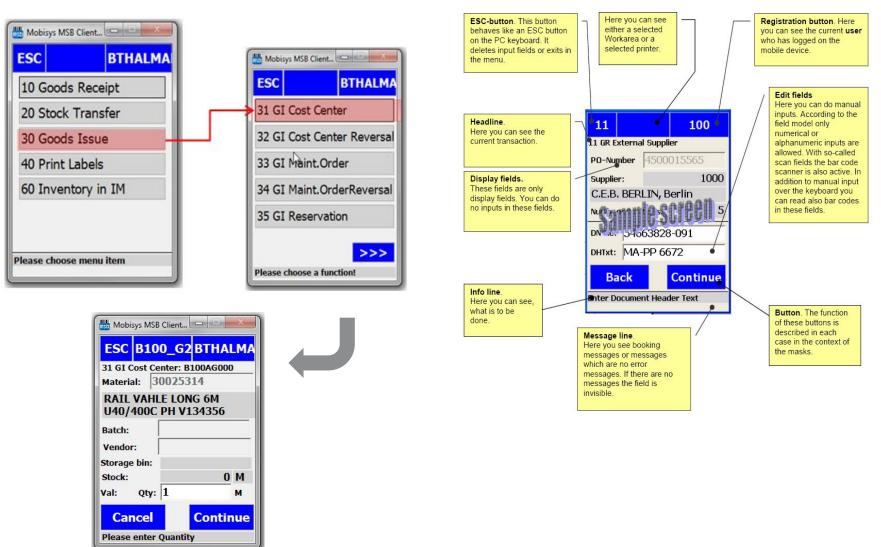
#### **IT Tool**

#### Item taking

The Warehouse or Maintenance responsible:



#### IT Tool



#### **Summary**

#### **Questions / Doubts**

#### **Comments**





#### **Summary**

### CONGRATULATIONS



#### THANK YOU FOR YOUR ATTENTION



Presentation title, Month 00, 2015



# LafargeHolcim