



CROSS DOCK UTEC S4 PROJECT

Prepared by Jasmit Singh Kainth

Date 01/18/2022

PLACEHOLDER
PHOTO



Agenda

- Requirement
- Types of Cross Dock
- Process Flow
- Process Data Review
- Demo (Per request)
- Questions

Requirement

- Business want to ship any Stock Transfer orders and Customer fulfillment order from MX thru Cross Dock Whse under US Sales Org/Order. Delivering Plant US Entity.
- The Business Requires STO and Customer order to be in Same TU/Shipment and deconsolidate it Cross Dock Whse.
- Business would Pre label all the pallets Appropriately along with Child Bill of Ladings in MX with Shipping Instruction for Cross Dock Whse.
- Cross Dock Whse will require to receive the inventory and load to the next available truck to destination as LTL or FTL based on Instructions provided by CSR in orders.
- Any Order in MX will be directly filled from UTEC Plant 5510 Monterrey MX.
- Carrier controls Business \$400m entity will use this process.

Types of SAP Cross DOCK

- Cross-Docking (CD)

Cross-docking helps improve warehousing and lean supply chain management via reduced inventory costs, improved transportation planning, better product handling, and improved order fulfillment.

- Type of Cross DOC

- Planned Cross-Docking

- a. Transportation Cross-Docking (TCD)

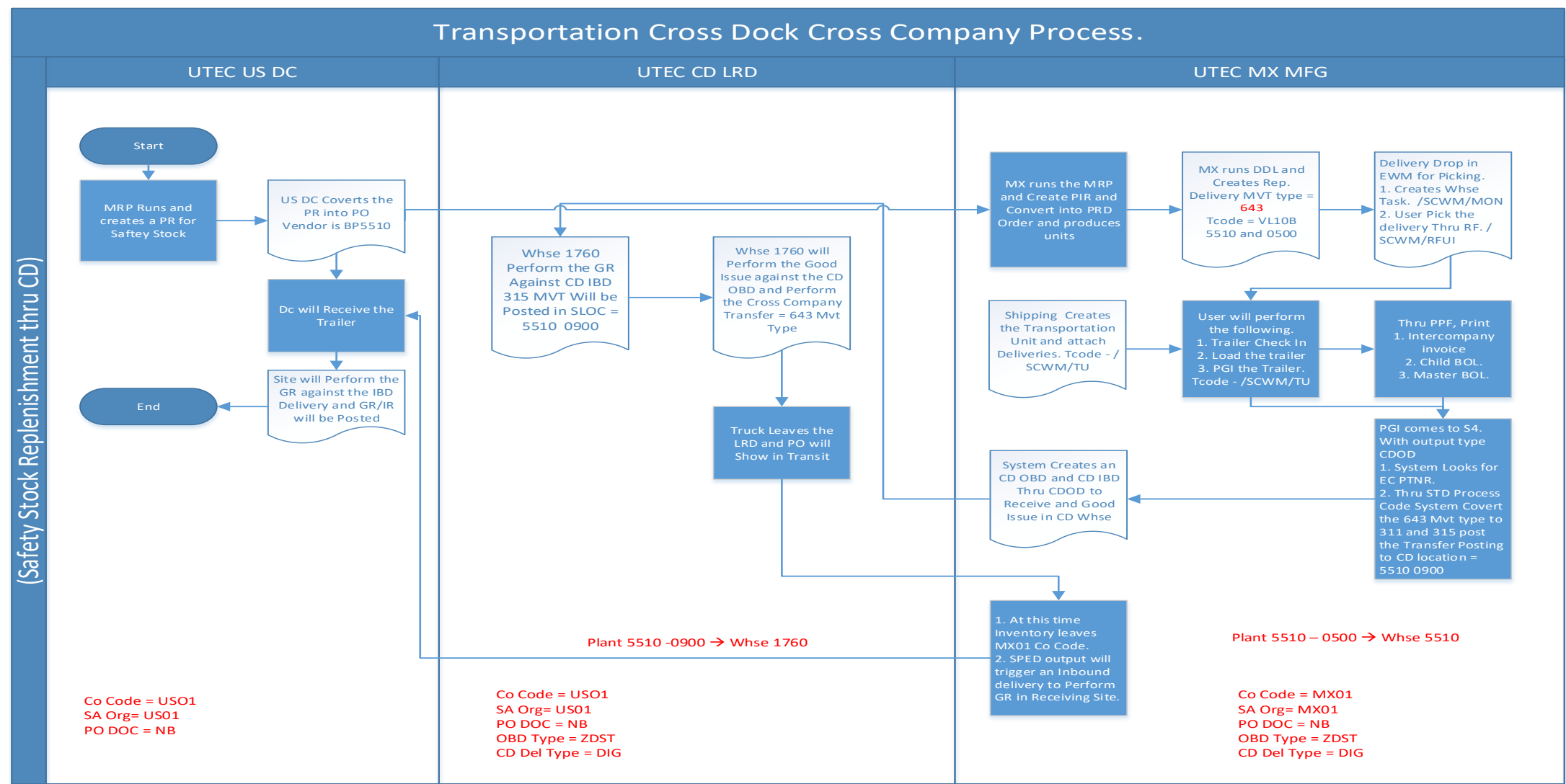
- b. Merchandise Distribution

- Opportunistic Cross-Docking

- a. Push Deployment (PD) and Pick from Goods Receipt (PFGR)

- b. EWM-Triggered Opportunistic Cross-Docking

Process Flow- Transportation Cross-Docking (TCD)



Data flow - Transportation CD (TCD)

Transportation Cross Dock - STO Replenishment thru CD

Whse 5510 Steps

PO = 4500000645
Rep delivery* = 80001997 (*Later This delivery will be changed to Good movements delivery)
Whse Task= 100002015
Whse Order = 2001179
EWM TU = 6500000403
Child BOL = Checked
Intercompany Billing = 0090043887
Master BOL= Checked
TR Posting= 4900001351 (MVT Type 311) (- Ive in Plant 5510 -0500)
Inb.Deliv.Gds Mvt = 0180000690 (MVT Type 315)
Replenishment Delivery = 80001998

Whse 1760 Steps

Inb.Deliv.Gds Mvmnt
TF pl.in str.in Sloc = 4900001352 (MVT Type 315 Posted) (+ Ive in Plant 5510 -0900)
TF to cross company 4900001354 (Mvt type 643) (- Ive in Plant 5510 -0900)
Inbound Delivery 180000691 has been saved (OPEN ISSUE LOOKING SPED to Work)

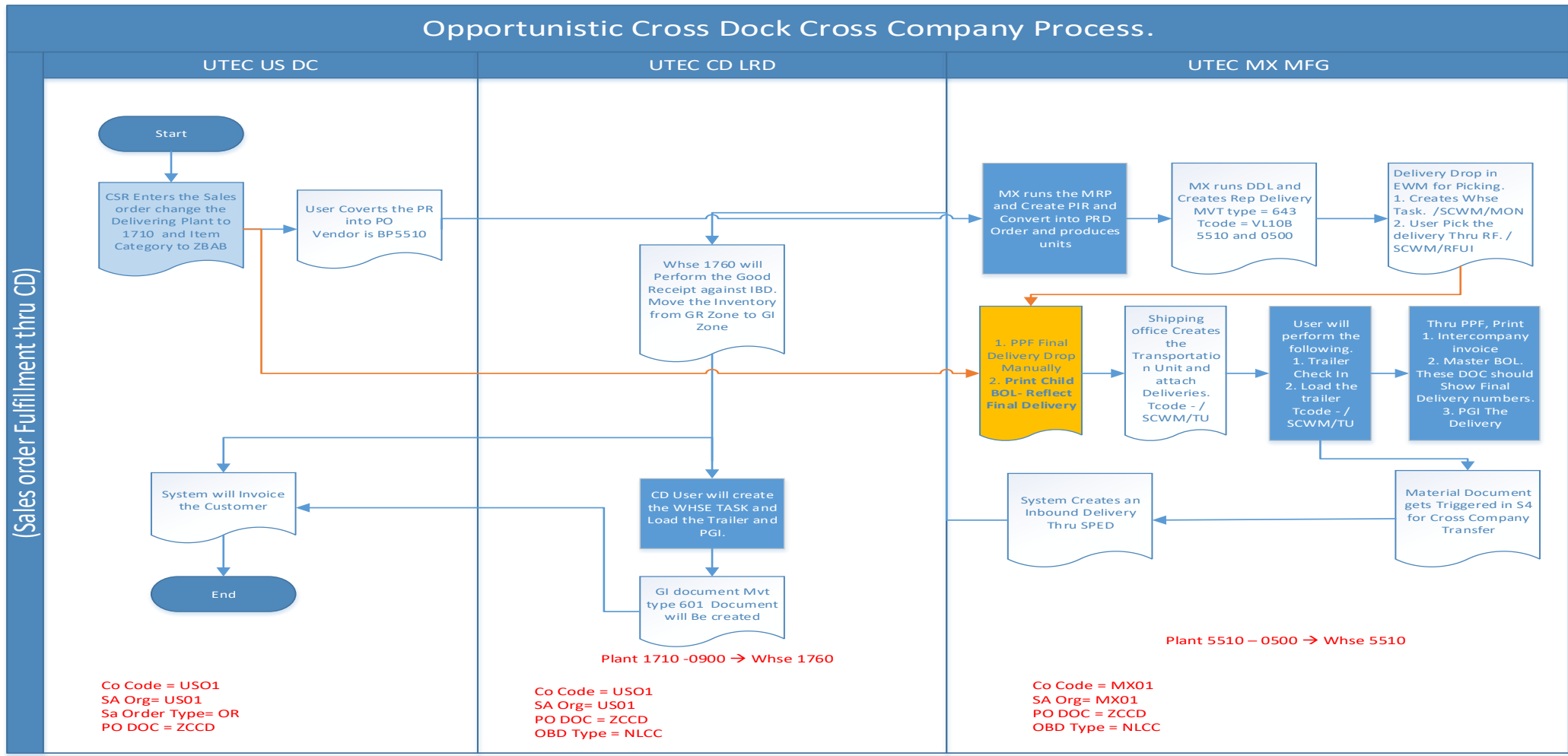
Whse 1711 Steps

GR goods receipt 5000000325

US DC Receives the Inventory-- END of the Process



Flow- EWM- OCD (New Fully Automated)



Data flow - EWM- Opportunistic Cross Dock

Opportunistic Cross DOCK - Sales Order Cross Dock Process

Whse 5510 Steps

Sales order = 650
PO = 4500000644
Rep delivery = 80001996
Whse Task= 100002013
Whse Order = 2001178
EWM TU = 6500000403
Child BOL = Checked
Intercompany Billing = 0090043886
Master BOL= Checked
PGI Posted in MX01= 4900001350
Inbound Delivery = 0180000696 (Mvt Type 101)

Whse 1760 Steps

GR goods receipt = 5000000324
Whse Task = 100000288 (Auto Confirm)
Whse Order = 2000285 (Auto Confirm)

CSR Drop OBD for SO = 80001999
Whse Task = 100000290
Whse Order = 2000287
PGI Sales ordr Delivery = 4900001353.

Customer Receives the Inventory-- END of the Process

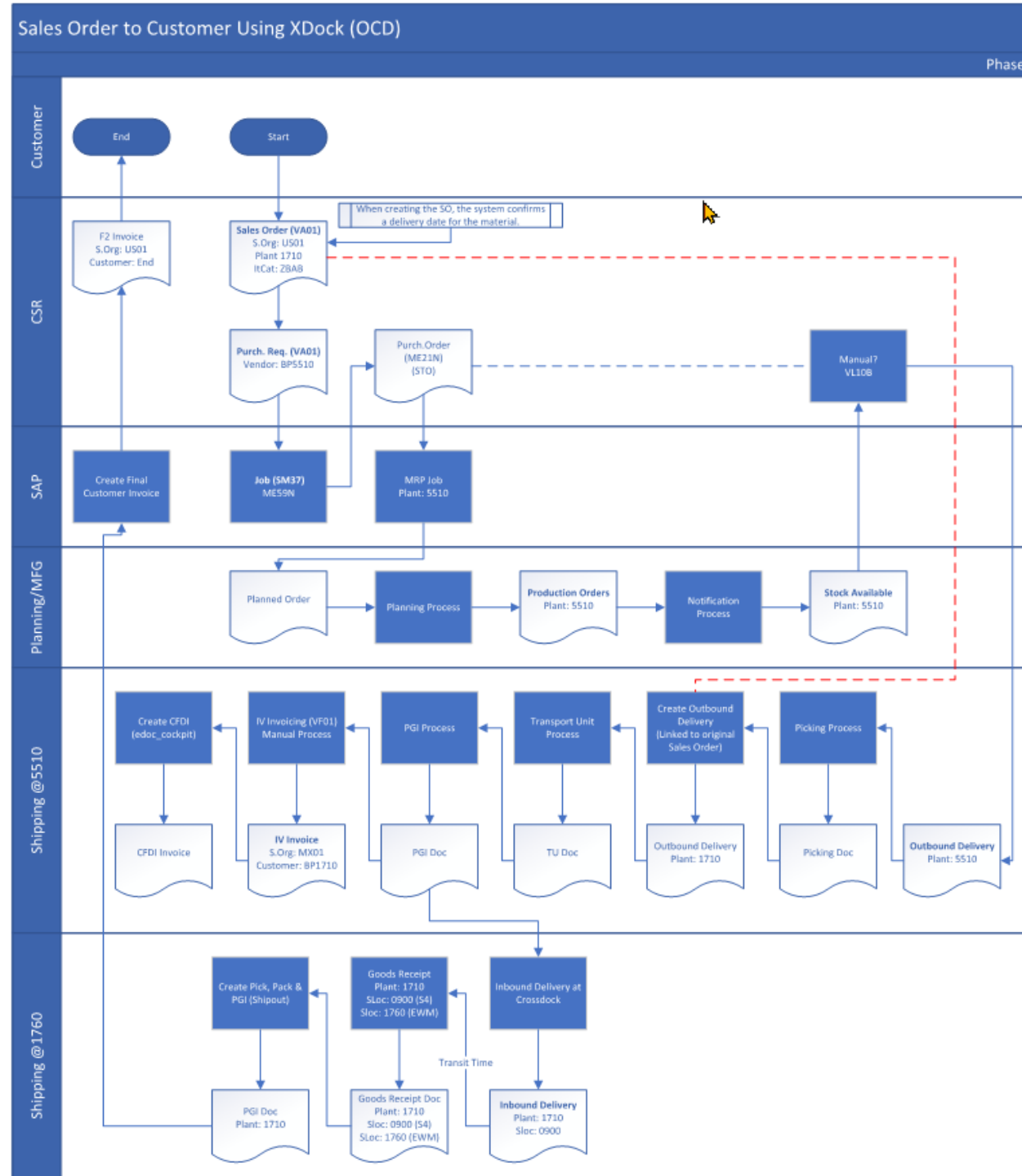
Benefits & opportunity

Benefits:-

1. Customer order comes in US, Final shipment happens from MFG to US customers.
2. Low Material handling cost.
3. Freight Planning Optimizations.
4. Less follow up between the entities.

Opportunity:-

1. Need std Automation in Cross Dock Transactions to reduce number of transactions. (critical from cost optimization)
2. E2E process flow reporting.
3. Required STD Dashboards or Monitor to manage business process.



Question





THANK YOU

Optional contact information



Back Up Slides

Process Flow- EWM- Opportunistic CD(OLD)

