

A GUIDE TO BASIC PRODUCTION PLANNER PROCEDURES USING SAP

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Introduction

Welcome to the team of Lam Research! You are now a member of the division of Lam Research called Production Control, otherwise known as PC. While the assemblers on the Manufacturing floor are working to build Lam Research's products, you will be monitoring our supplies of parts to make sure that the assemblers always have what they need to accomplish their tasks.

Your job is made much easier through the use of the enterprise resource planning (ERP) software programmed by SAP SE. This allows you to oversee the updated inventories for all the parts used by the assemblers.

The purpose of this guide is to give you an introduction to the basic procedures you will carry out as member of PC. All of the procedures described here will be very important to keeping Lam Research's Manufacturing floor running smoothly and on schedule.

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1 Signing In

The first thing that must be done when you begin your work day is to sign into the SAP GUI (Graphical User Interface).

NOTE: If you are working onsite at Lam Research, you can ignore the steps marked with (*). These are steps to sign into the Lam VPN. This is required if you are working outside the Lam facility.

- 1) (*) Double-click on the PulseSecure icon on your desktop.
- 2) (*) Select the Lam-Global-VPN icon and select CONNECT.

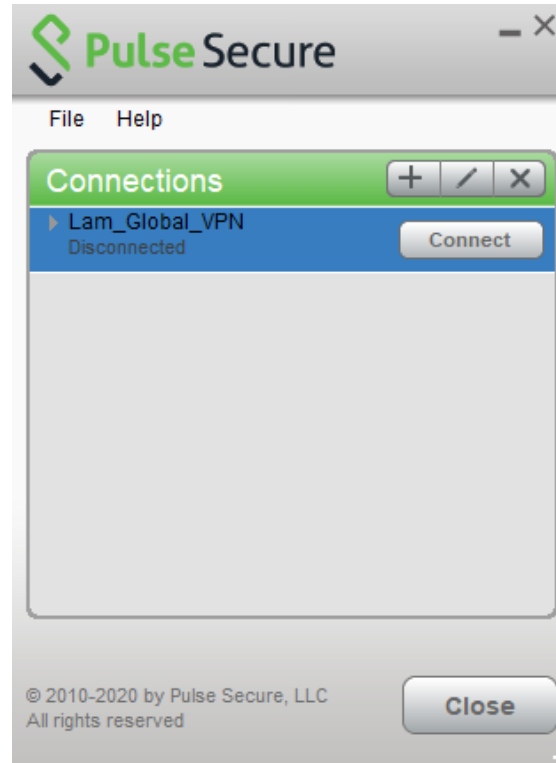


Figure 1-1 The first login screen for PulseSecure VPN.

- 3) (*) Sign in with the same login that you use for your computer. Wait for connecting to complete.



Figure 1-2 The second login screen.

- 4) Double-click on the SAP GUI icon on your desktop.

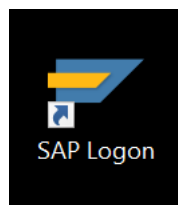


Figure 1-3 The desktop icon for SAP Logon.

- 5) When the SAP window opens, click on the list item SAP PRODUCTION (PRD) and then click LOG ON.

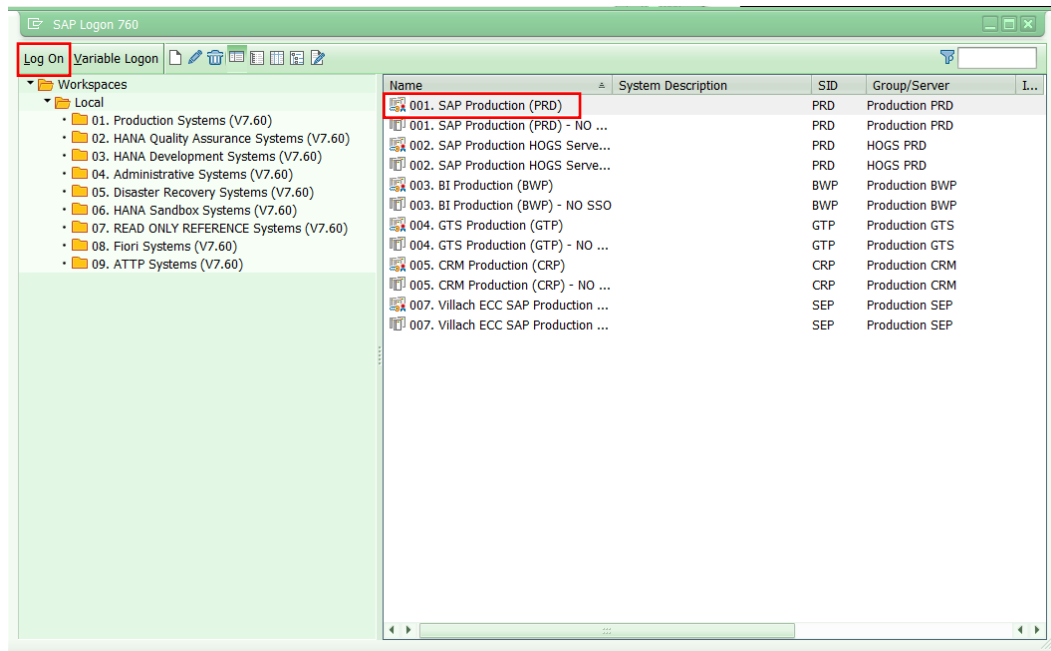


Figure 1-4 Main Logon screen for SAP.

You are now on the home page of the SAP GUI. From here you can type Transaction codes, or T-codes, into the search bar at the top left corner of the window (marked by the red square below). A list of your most used T-codes can be found at the Appendix of this document. You can also create new windows of the GUI by pressing the New Window button (marked by the blue square).

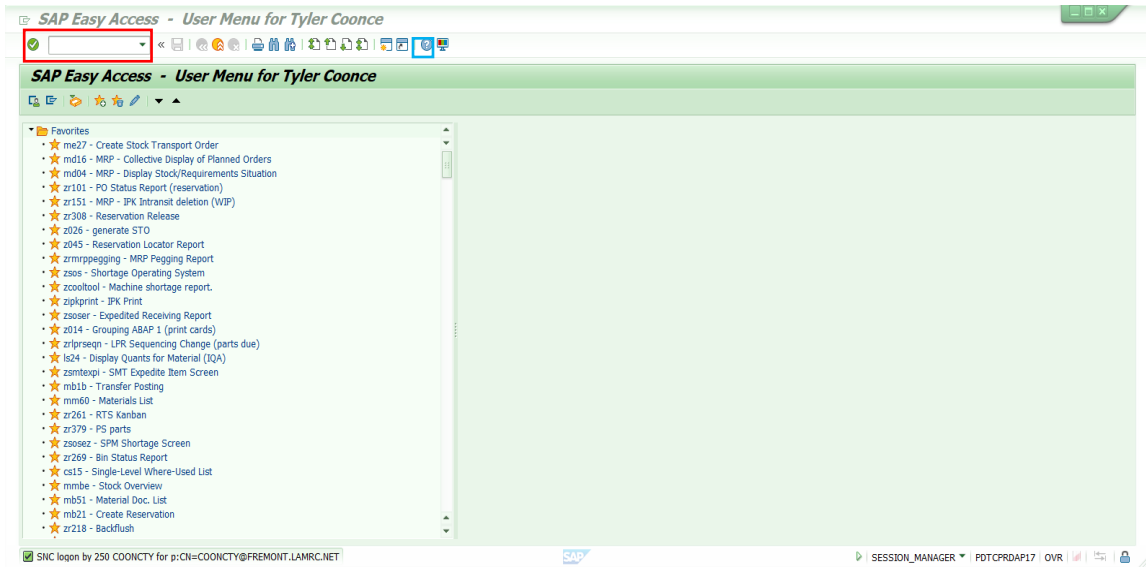


Figure 1-5 SAP GUI Main Menu.

2 Important Terms and Groups

This is a list to help familiarize you with the terms you should familiarize yourself with and groups you will be regularly interacting with over the course of a work day.

- Lam Research Manufacturing 1000 – the Lam manufacturing facility in Livermore. Consists of buildings 3150 and 3250
- Lam Research Warehouse 2000 – the main Lam warehouse storing our parts.
- Lam Research Spares Warehouse 2001 – a Lam warehouse storing emergency stocks for parts that are usually sent worldwide.
- Assemblers – the employees working on the Manufacturing floor of 1000. They will be your most frequent customers.
- DHL – the courier company that manages 2000 and transports our parts.

Its subgroups are listed below

- DHL Receiving – the division responsible for receiving new deliveries of parts to 2000 and making sure they are properly decontaminated and ready for use. You will contact them about the status of incoming deliveries or moving parts to a pickable location.
Email: DL-DHL.LIV-LAM-RECEIVING@dhl.com
- DHL Inventory Control – the division that monitors 2000 inventory. You will contact them about moving Freestock parts from 2000 to 1000.
Email: DL-DHL.LIV-LAM-InventoryControl@dhl.com
- DHL Picking – the division responsible for loading parts onto delivery trucks and sending them to 1000. Contact them about expediting part through the loading process to arrive as soon as possible.
Email: DL-DHL.LIV-LAM-PICKING@dhl.com
- DHL Resupply – the division that receives shipments of parts into 1000 and moves them to the Manufacturing floor. Contact them about the status of recently arrived parts.
Email: DL-DHL.LIV-LAM-CA31.32RESUPPLY@dhl.com
- Hot Orders – the side of Lam that focuses on delivering parts to different facilities around the world. Contact them if you are trying to pull parts into 2000 from outside facilities.
Email: Hot.Orders@lamresearch.com

3 Expediting Parts

The most common action that PC is responsible for is expediting deliveries of parts from 2000 to 1000. When a production line on the Manufacturing floor begins to run out of a specific part, the assemblers will scan the barcode on one of the bins that hold that part. The first scan gets logged on the SAP system and the system will eventually generate a Stock Transfer Order (STO) to replenish the part. When an assembler scans this part for a second time, that will tell the system that the part is entirely depleted and an STO will generate with a faster delivery window.

Sometimes there are special circumstances that require PC to take a more active role in part procurement. Whether from misplaced stock, too many requests on the system, or simple human error, production lines on the Manufacturing floor can find themselves entirely empty of a necessary part and will enter a Line Down situation, where work on the current product builds cannot continue and progress is essentially frozen. To resolve this issue, members of PC will expedite existing STOs or create new ones.

Assemblers will send emails to PC asking for specific parts to be expedited into 1000. Emails can be found in Microsoft Outlook. When your email account is set up, you will be automatically added to the 'PC Mfg' Outlook group.

The first step of expediting parts to 1000 is to find out which part type you are currently working with. The part type determines which procedure you will use to expedite it. This information and more can be found easily on SAP.

1. The T-code you will be using the most throughout these procedures is **MD04**, which shows the scheduled uses and deliveries for a specific part. Type **MD04** into the search bar of the Main Menu and press the ENTER key or click the Green Checkmark to go to the **MD04** page.

NOTE: Pressing the ENTER key and clicking the Green Checkmark are interchangeable for this interface. Both will accomplish the same thing.

2. When you reach the first screen of **MD04**, type out the full number of the part you are searching for on the line marked MATERIAL. Assemblers on the Manufacturing floor will send you the number in an email, along with how many they will need and which location it should be sent to.

The screenshot shows the 'Stock/Requirements List: Initial Screen' in SAP MD04. The interface has a green header bar with the title. Below the header, there are two tabs: 'Individual access' and 'Collective access'. The 'Individual access' tab is selected. The main area contains input fields for 'Material', 'MRP Area', and 'Plant'. The 'Material' field has a checkmark icon to its right. The 'MRP Area' field is empty. The 'Plant' field contains the value '1000'. To the right of the 'Plant' field, the text 'Manufacturing Livermore' is displayed. At the bottom left, there is a checkbox labeled 'With filter' which is currently unchecked.

Figure 3-1 The main page of MD04.

3. When you add the part number and press ENTER, that will take you to the STOCK / REQUIREMENTS LIST page.

Stock/Requirements List as of 14:33 hrs

Stock/Requirements List as of 14:33 hrs

Show Overview Tree Batch/Com.Dt Del. Prty Demand

Material **853-A16921-100** ASSY,ENCL,SHLD,MAG,+Z,TOP BOX
 MRP Area 1000 Manufacturing Operations
 Plant 1000 MRP Type PD Material Type COMP Unit EA

Individual List Cross-Plant View

A...	Date	MRP ele...	Opening date	MRP element data	Rescheduling d...	Except...	Receipt/Reqmt	Available Qty	Supp...	Stor...	R...
	06/14/2021	Stock						3.000			
	02/23/2021	STPord		3507033987/00070	03/29/2021 15		5.000	8.000	2000	3150	A
	02/24/2021	STPord		3507035038/00030	05/18/2021 15		5.000	13.000	2000	3150	A
	03/29/2021	DepReq		848-307589-727			1.000-	12.000			A
	03/29/2021	DepReq		848-307589-727			1.000-	11.000			A
	03/29/2021	DepReq		848-307589-727			1.000-	10.000			A
	03/29/2021	DepReq		848-307589-727			1.000-	9.000			A
	03/29/2021	DepReq		848-307589-727			1.000-	8.000			A
	03/29/2021	DepReq		848-307589-727			1.000-	7.000			A
	05/06/2021	OrdRes		1A-FLKXPPREP-001			1.000-	6.000		0290	A
	05/18/2021	DepReq		848-339666-427			1.000-	5.000		3150	A
	05/18/2021	DepReq		848-339666-427			1.000-	4.000		3150	A
	05/21/2021	DepReq		848-307589-427			1.000-	3.000		3150	A
	05/21/2021	DepReq		848-307589-427			1.000-	2.000		3150	A
	05/21/2021	DepReq		848-307589-427			1.000-	1.000		3150	A
	05/21/2021	DepReq		848-307589-427			1.000-	0.000		3150	A
	05/21/2021	DepReq		848-307589-427			1.000-	1.000-		3150	A

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Figure 3-2 Showing Part Inventory and Schedule.

- To find the part type you are working with, double-click on the part number marked by the square above. This will take you to the DISPLAY MATERIAL page.

Display Material 853-A16921-100 (Component Material)

Additional Data Org. Levels

Purchase Order Text MRP 1 MRP 2 MRP 3 MRP 4 Forecasting Work scheduling Plant da...

Material 853-A16921-100 ASSY,ENCL,SHLD,MAG,+Z,TOP BOX
 Plant 2000 Livermore Warehouse
 RevLev A

General Data

Base Unit of Measure EA each MRP group
 Purchasing Group JJ ABC Indicator A
 Plant-sp.matl status Valid from

MRP procedure

MRP Type PD MRP
 Reorder Point 0.000 Planning time fence 34
 Planning cycle MRP Controller 552

Lot size data

Lot size SP Part period balancing
 Minimum Lot Size 0.000 Maximum Lot Size 0.000
 Maximum stock level 102.000
 Ordering costs 49.00 Storage costs ind. 2
 Assembly scrap (%) 0.00 Takt time 0
 Rounding Profile Rounding value 0.000
 Unit of Measure Grp

MRP areas

☐ MRP area exists MRP areas

Figure 3-3 Display Material; specific information is found on the tabs marked at the top.

- Move through the tabs until you reach one titled BASIC DATA 1. Click on it.

Figure 3-4 In Basic Data 1, the type of part (Material Group) is marked with the red square.

If the MATERIAL GROUP is listed as PL or PC, you will proceed to Section 3.1.

If it is PN, you will proceed to Section 3.2.

Finally, if it is F, you will proceed to Section 3.3.

3.1 PL / PC Parts

PL and PC parts are the easiest to replace. These are smaller and cheaper parts of which the Manufacturing floor receives regular shipments. New shipments are requested by scanning the production line bins these parts are kept in. If no shipments have been generated, however, you can create a new one as needed.

3.1.1 Check for Transit

When you get a new request for parts, the first thing to check is to see if there is any stock already in transit to the Manufacturing floor. If there are parts in transit, you will see a new column on the STOCK / REQUIREMENTS LIST page marked TRANSIT. Most of the cells in this column will be marked with **0.000**, but there will be at least one cell that has a number in it.

Stock/Requirements List as of 07:07 hrs

Material: 714-035203-005, MRP Area: 1000, Plant: 1000, MRP Type: PD, Material Type: COMP, Unit: EA

A...	Date	MRP ele...	Opening date	MRP element data	Rescheduling d...	Except...	Receipt/Reqmt	Available Qty	Stock in transit	Supp...	Stor...	R...
	07/01/2021	Stock						14.000	0.000			
	02/22/2021	STPord		3507093484/00030	06/10/2021	15	18.000	32.000	18.000	2000	3150 B	
	02/26/2021	STPord		3507093493/00020	06/11/2021	15	24.000	56.000	24.000	2000	3150 B	
	03/29/2021	Deliv.		0804091704/000130/0...			1.000-	55.000	0.000		6049	
	05/25/2021	DepReq		857-010949-483			1.000-	54.000	0.000		3150 B	
	05/25/2021	DepReq		857-010949-483			1.000-	53.000	0.000		3150 B	
	05/25/2021	DepReq		857-010949-483			1.000-	52.000	0.000		3150 B	
	05/25/2021	DepReq		857-010949-483			1.000-	51.000	0.000		3150 B	
	05/25/2021	DepReq		857-010949-483			1.000-	50.000	0.000		3150 B	
	05/25/2021	DepReq		857-010949-483			1.000-	49.000	0.000		3150 B	
	06/08/2021	DepReq		857-010949-465			1.000-	48.000	0.000		3150 B	

Figure 3-5 The column marking In Transit parts is marked by the square.

If the Storage Location (SLoc) column is labeled with either **3150** or **3250**, then those parts are meant for us. You can then reply to the assembler to let them know that their parts are already on the way.

3.1.2 Expediting A Pre-existing Order

- 1) Change the number on the MRP AREA line from **1000** to **2000**. This will take you to the Lam inventory in the Fremont warehouse. All of our part deliveries come through this facility.

Stock/Requirements List as of 14:24 hrs

Material: 853-A16921-100 ASSY,ENCL,SHLD,MAG,+Z,TOP BOX
 MRP Area: 2000 Fremont Global Spares
 Plant: 2000 MRP Type: PD Material Type: COMP Unit: EA

Individual List Cross-Plant View

A...	Date	MRP ele...	Opening date	MRP element data	Rescheduling d...	Except...	Receipt/Reqmt	Available Qty	Supp...	Iss./...	Stor...	R. Del. Pr...	Demand
	06/14/2021	Stock		Safety Stock		96	51.000-	18.000					
	06/14/2021	SafeSt		3507033987/00070			5.000-	33.000-					
	04/28/2020	STPord		3507035038/00030			5.000-	38.000-	1000	3150	A 01	CC	
	04/29/2020	STPord		0099034916/00010			5.000-	43.000-	1000	3150	A 01	CC	
	05/27/2021	STPreq		0102130771/00010			24.000-	67.000-	1000		A		
	06/07/2021	STPreq		0804487922/000160/0..			27.000-	94.000-	1000		A		
	06/10/2021	Deliv.		0099034919/00010			10.000-	104.000-			0010		000002743903
	06/10/2021	STPreq		0804495851/000130/0..			36.000-	140.000-	1000		A		
	06/11/2021	Deliv.		0804495857/000130/0..			1.000-	141.000-			0010		000002765442
	06/11/2021	Deliv.		0804499373/000130/0..			4.000-	145.000-			0010		000002769007
	06/11/2021	Deliv.		0804502032/000010/0..			1.000-	146.000-			0010		000002774027
	06/12/2021	Deliv.		0804502033/000010/0..			1.000-	147.000-			0010		000002774028
	06/12/2021	Deliv.		0804502033/000010/0..			1.000-	148.000-			0010		000002774029
	06/14/2021	STPord		4502144422/00010	06/14/2021	10	30.000-	118.000-			0010 A		
	06/14/2021	STPord		3507030894/00170			1.000-	119.000-	1000	9515	A		000002774030
	06/14/2021	STPord		3507030895/00170			1.000-	120.000-	1000	9515	A		000002774031
	06/14/2021	STPord		3507030896/00170			1.000-	121.000-	1000	9515	A		000002774032

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Figure 3-6 The 2000 side of MD04 shows our warehouse inventory.

- 2) When looking through the various Stock Transfer Orders (STO) on the schedule, make note of any that are marked with one of the number designations listed below.
 - a. **35-** — This indicates a delivery scheduled to leave the warehouse to our facility.
 - b. **080-** — Indicates a delivery that is in the stage of being moved to a loading area of the warehouse. At this point, the delivery should be in transit shortly.
 - c. **45-** — Indicates an upcoming shipment of parts to the warehouse from our suppliers.
- 3) Pressing the Delivery and Demand buttons on the top of the screen will reveal more columns on the STO in question. STOs that are going to the

Manufacturing floor will all have the **35-** designation and will also have **CC** in the demand column.

- 4) If there is an STO that fulfills the above criteria, that is a delivery already scheduled to arrive on the line.

Stock/Requirements List as of 14:24 hrs

Material: 853-A16921-100 ASSY,ENCL,SHLD,MAG,+Z,TOP BOX
MRP Area: 2000 Fremont Global Spares
Plant: 2000 MRP Type: PD Material Type: COMP Unit: EA

A...	Date	MRP ele...	Opening date	MRP element data	Rescheduling d...	Except...	Receipt/Reqmt	Available Qty	Supp...	Iss./...	Stor...	R, Del, Pr...	Demand
	06/14/2021	Stock		Safety Stock		96	51.000-	18.000					
	04/28/2020	STPord		3507033987/00070			5.000-	38.000-	1000	3150	A 01	CC	
	04/29/2020	STPord		3507035038/00030			5.000-	43.000-	1000	3150	A 01	CC	
	05/27/2021	STPreq		0099034916/00010			24.000-	67.000-	1000		A		
	06/07/2021	STPreq		0102130771/00010			27.000-	94.000-	1000		A		
	06/10/2021	Deliv.		0804487922/000160/0			10.000-	104.000-			0010		000002743903
	06/10/2021	STPreq		0099034919/00010			36.000-	140.000-	1000		A		
	06/11/2021	Deliv.		0804495851/000130/0			1.000-	141.000-			0010		000002765442
	06/11/2021	Deliv.		0804495857/000130/0			4.000-	145.000-			0010		000002769007
	06/11/2021	Deliv.		0804499373/000130/0			1.000-	146.000-			0010		000002774027
	06/12/2021	Deliv.		0804502032/000010/0			1.000-	147.000-			0010		000002774028
	06/12/2021	Deliv.		0804502033/000010/0			1.000-	148.000-			0010		000002774029
	06/14/2021	STPord		4502144422/00010	06/14/2021	10	30.000-	118.000-			0010 A		
	06/14/2021	STPord		3507030894/00170			1.000-	119.000-	1000	9515	A		000002774030
	06/14/2021	STPord		3507030895/00170			1.000-	120.000-	1000	9515	A		000002774031
	06/14/2021	STPord		3507030896/00170			1.000-	121.000-	1000	9515	A		000002774032

Figure 3-7 The marked STO has its demand marked CC. This is an STO going to 3150.

- 5) The next step is to expedite the STO. Double-click on this row to pull up a detail window. Click on the EDIT button to move to a new screen.

Stock transport ord. 3507033987 Created by Business Ops (US) Batch

Document Overview On Print Preview Messages Personal Setting

Stock transport ord. 3507033987 Supplying Plant 2000 Livermore Warehouse Doc. date 06/13/2021

Item	S...	Item	A	I	Material	Short Text	PO Quantity	UoM	C	Deliv. Date	Matl Group	Plant	Stor. Location	Issuing Stor. Loc.	Batch	Req.
10	U	839-114189			WLDMT,FACIL HKP,N2,PM TO TM...		20.000	EA	D	03/05/2021	Purchase Consig.	Manufacturing Livermore	CA31 LML			HO
20	U	810-802901			PCBA,NODE1,PM,COMMON		10.000	EA	D	03/09/2021	Purchase Consig.	Manufacturing Livermore	CA31 LML			HO
30	U	715-151097			ADPTR,FIN,GUIDE,TOP PL		12.000	EA	D	05/20/2021	Purchase Consig.	Manufacturing Livermore	CA31 LML			HO
40	U	839-253162			WLDMT,BRKT,MTG,RF GEN RACK		8.000	EA	D	03/18/2021	Purchase Consig.	Manufacturing Livermore	CA31 LML			HO
50	U	853-017632			ASSY PRESSURE SWITCH		48.000	EA	D	06/13/2021	Purchase Lean Bin	Manufacturing Livermore	CA31 LML			HO
60	U	775-007784			FLTR,WAFERGARD,PTFE,VCR,MALE		15.000	EA	D	03/03/2021	Purchase Lean Bin	Manufacturing Livermore	CA31 LML			HO
70	U	853-A16921			ASSY,ENCL,SHLD,MAG,+Z,TOP BOX		5.000	EA	D	02/22/2021	Purchase Consig.	Manufacturing Livermore	CA31 LML			HO
80	U	787-A08938			BUMPER,CB0RE,15 OD,19MM LG,U...		30.000	EA	D	03/02/2021	Purchase Consig.	Manufacturing Livermore	CA31 LML			HO
90	U	678-099744			HTR,CRTG,W/FLG,1500W,240VAC		15.000	EA	D	02/26/2021	Purchase Consig.	Manufacturing Livermore	CA31 LML			HO

Default Values Add Planning

Item [70] 853-A16921-100 , ASSY,ENCL,SHLD,MAG,+Z,TOP BOX

Material Data Quantities/Weights Delivery Schedule Delivery Invoice Conditions Texts Delivery Address Confirmations Shipping CA Mfg/R&D Tax Rate Customer Data

Delivery Type NL Replenishment Div. Delivery date 02/22/2021 Sales Org. 9000 Lam Research US
Shipping Point 2000 Fremont Global Spares Deliv. Creation Date 04/28/2020 Distr. Channel 01 Direct Sales
Del. Prior. 1 4 hour Planned Deliv. Time 300 Days Division 01 Default Division
Shp.Cond. 01 Standard ☐ Order Combinat. Shipping Type
Loading Group Customer CP1000 Lam Research Corp - FTZ 18-F Fremont
Trans. Group Unloading Point
Route

Figure 3-9 STO Details. The Shipping tab is marked with red and the Delivery Priority field is marked with blue.

The STO is now expedited and should arrive at our facility sometime within the next four hours. Your task is now complete.

3.1.3 New STO

When an STO does not currently exist for this card, the next step is to create a brand new one.

- 1) Keeping the **MD04** page open, create a new window and type in the T-code **ZR269**. Put the part number on the appropriate line and press the **F8** button or click the EXECUTE ICON at the top of the screen.

Bin Status Report

Plant: 1000

Selection option:

- ☒ By Material

Material: 853-A16921-100 to []
- ☐ By Control Cycle

Control cycle: [] to []
- ☐ By Storage Location

Storage Location: []

Figure 3-10 Bin Status Report. The Execute button is marked in red.

NOTE: The **F8** button and the EXECUTE button are interchangeable and both accomplish the same action.

- 2) You are now on the BIN STATUS REPORT page, which shows the information on the bins for this part. The number you need off this page is the number marked CNTCYCLE. Copy the number that is connected to the bin you are sending these parts to.

Bin Status Report

</

Figure 3-11 The Control Cycle indicates a bin's location. Marked with red.

- 3) Create a new window and use the T-code **ME27**. Paste in the provided information in the way shown below. Press ENTER when you are done.

Create Purchase Order : Initial Screen

Reference to PReq

Supplying Plant: 2000
Order Type: UB
Purchase Order Date: 06/14/2021
Purchase order:

Organizational Data

Purch. Organization: 1000
Purchasing Group: ZZ

Default Data for Items

Item Category: U Stock transfer
Acct Assignment Cat.:
Delivery Date: T
Plant: 1000
Storage Location: 3150
Req. Tracking Number: 0000128140
Promotion:
☐ Acknowledgment Req'd

Figure 3-12 This is the setup of values you absolutely want to follow on ME27.

- 4) You'll be taken to the CREATE PURCHASE ORDER screen. In the first row of the table, input the part number and the quantity you want to order. Input today's date in the DELIV DATE cell. Double-click on the part number. Three prompts will appear, but press ENTER for all of them.

Create Purchase Order : Item Overview

Purchase order: Vendor: Supplying Plant: 2000 Order Type: UB PO Date: 06/14/2021 Livermore Warehouse

Item	I	A	Material	Short Text	PO Quantity	OU	C	Deliv. Date	Mat. Grp	Plant	SLoc	D	R	S	L	Total Value of Servs	Exp. Value	Overall Lim
10	U		853-A16921-100			5	D	X-XX-20XX		1000	3150					0.00	0.00	0.00
20	U						D			1000	3150					0.00	0.00	0.00
30	U						D			1000	3150					0.00	0.00	0.00
40	U						D			1000	3150					0.00	0.00	0.00
50	U						D			1000	3150					0.00	0.00	0.00
60	U						D			1000	3150					0.00	0.00	0.00
70	U						D			1000	3150					0.00	0.00	0.00

Figure 3-13 The inserted values for creating a new STO.

- 5) When the smaller window pops up, press the GENERATE NEW STO button to move to the next screen.
- 6) When you come to the NEXT page, copy the TRACKING number along with one of the leading 0's and paste it onto the line marked MRP ELEMENT NUMBER. Next, type **CC** on the MRP ELEMENT line. When you are finished, click the SAVE icon at the top of the window.

Create Purchase Order : Item 00010

Save button highlighted in red.

Create Purchase Order : Item 00010

Account Assignments

Item: 10, Item Cat.: U, AcctAssCat:
 Material: 853-A16921-100, Matl Group: PC, Plant: 1000
 Short Text: ASSY,ENCL,SHLD,MAG,+Z,TOP BOX, Stor. Loc.: 3150

Quantity and Price

Order Quantity: 5.000, EA

Deadline Monitoring

Delivery Date: D XX/XX/20XX, Reminder 1: , ConfContr.: , Ackn. Reqd:
 Stat. Del. Date: , Reminder 2: , Ackn. No.:
 GR proc. time: 1, Reminder 3: , TrackingNo: 0000128140

GR/IR Control

Underdel. Tol.: % Stock Type: ☐
 Overdeliv. Tol.: 0.1 % ☐ Unlimited
 Tax Code:
 Shipping Instr.:
 Part. Del./Item:
☒ GR
☐ GR non-val
☐ IR
☐ GR-BasedIV

Tracking field

MRP Element: CC, ☐ Firm SLOC, TMS Tracking
 Shipping Block: ☐ MRP element number: 0128140
 MTT Number: MRP elemnt item:

Customer Data

Figure 3-14 Make sure the MRP Element and MRP element number fields are filled as the text specifies. The Save button is marked red.

- 7) A new STO has been generated and you can go back to **MD04** to expedite it by the steps listed in Section 3.1.2.

3.1.4 Replacing

The step for replacing missing or damaged parts is slightly different than creating a normal STO. If parts must be replaced, the assembler contacting you will add provide an NCI number for their request.

1. Similar to the start of Section 3.1.3, go to the **ZR269** page and copy the COUNTER number for the part.
2. Make a new window and use the T-code **ZR261**. Paste the copied COUNTER number on the line and press the button marked NCR.

The screenshot shows a software interface titled "KANBAN Bin Scan". At the top, there is a green header bar with the title. Below the header, there is a toolbar with a green checkmark icon, a dropdown menu, and several icons for navigation and actions. The main area of the screen has a green background. It features a section labeled "Control Cycle No" with a text input field. Below this, there are four yellow buttons: "Ok", "RTS", "NCR", and "Quit".

Figure 3-15 Main page of ZR261.

3. Type in the quantity that are missing and the NCI number on the corresponding lines. When you are done, press ENTER.

NCR

F1 F2 F3 F4 F5 F6 F7 F8 F9 F10

Qty withdrawn
2

NCR Number
131624

Ok Quit

Figure 3-16 Entering values to log damaged parts.

4. When the pop-up window appears, specify whether the bin is empty or not. The assembler will let you know if it is empty. After choosing YES or NO, the request will be complete. The system will generate a new STO to replace the missing parts.

3.2 PN Parts

In contrast to PL and PC parts, PN parts are more expensive and are harder to order. The system typically only orders these parts on an as-needed basis. This is done by linking that part to a unique reservation number, which connects all PN parts to a specific product. When an assembler requests an expedite of PN parts, they will need to provide a Functional Configuration Identification (FCID) that specifies the type of product being built. This FCID is used in the **PC Release Schedule spreadsheets**,

which you should have access to through the PC group SharePoint, and can be used to find the reservations you will be working with for this expedite.

3.2.1 Find the Reservation

1. Open the PC Release Schedule in Excel and press **CTRL+F**. Paste the FCID into the search bar and press ENTER. If the FCID is present in the spreadsheet, your cursor will snap to it.

	B	C	D	E	F	G	H	I	
1		06-28-2021						Dynamic List Display	
2									
3		Module Report; POM: ETCH - CA31 - VOLUME MFG - US - LIVERMOR							
4	Cell Fusion	Mis- M			FCID				
5	CF/DJANC	Mis- M	SD Doc.	Item No	FCID	LPR Customer Fab	Serial No	Description	
556	CFDL	CLOSED	D2669	180	213834	SAMSUNG - M PROJEC	FHXPL-1771	23FLEXHX_PLUS	
557	CFDL	CLOSED	D5791	250	217036	LAM - ETCH/REM	KFXE-3129	23KiyoFXE	
558	CFDL	CLOSED	D5791	250	217036	LAM - ETCH/REM	KFXE-3130	23KiyoFXE	Not okay to grou
559	CFDL	CLOSED	D5791	250	217036	LAM - ETCH/REM	KFXE-3131	23KiyoFXE	Waiting for Misr
560	CFDL	CLOSED	D2555	400	213252	SAMSUNG - P II LINE S	FXM-259	23KiyoFXM	Partial Chamber
561	CFDL	CLOSED	D2555	400	213252	SAMSUNG - P II LINE S	FXM-260	23KiyoFXM	715-800331-006
562	CFDL	CLOSED	D2555	400	213252	SAMSUNG - P II LINE S	FXM-261	23KiyoFXM	
563	CFDL	CLOSED	D2555	400	213252	SAMSUNG - P II LINE S	FXM-262	23KiyoFXM	
564	CFDL	CLOSED	D4310	120	210323	WUHAN XINXIN SEMI	N23SNC-242	SyndionC	Partial Chamber
565	CFDL	CLOSED	D4310	120	210323	WUHAN XINXIN SEMI	N23SNC-241	SyndionC	

Figure 3-17 Use Ctrl+F to find the FCID given in the email. Highlight the full row.

2. Follow along that same row to find the reservation numbers connected to the FCID. If you are sending a part to 3150, you will concentrate on the PM LINE reservation. If instead you are sending to 3250, the BIAS LINE number is the one you want.

	O	P	Q	R	S	T	U	V	W
1				*					
2				>					
3				<					
4				Pump Line	Prep Line	PM Line	Bias Line	Bias Test	Comments
5	Pln Group	Pln Launch	Act Launch	Pump Line	Prep Line	PM Line	Bias Line	Bias Test	Comments
556	6/22/2021	6/29/2021				17446899*	17446900*		
557	6/22/2021	6/29/2021			17455626	17455627	17455628		
558	6/22/2021	6/29/2021			17455626	17455627	17455628		
559	6/22/2021	6/29/2021			17455626	17455627	17455628		
560	6/22/2021	6/29/2021			17446901*	17446902*	17446903*		
561	6/22/2021	6/29/2021			17446901*	17446902*	17446903*		
562	6/22/2021	6/29/2021			17446901*	17446902*	17446903*		
563	6/22/2021	6/29/2021			17446901*	17446902*	17446903*		
564	6/22/2021	6/29/2021		17446906*	17446907*	17446908*	17446909*	17446910*	17446911*
565	6/22/2021	6/29/2021		17446906*	17446907*	17446908*	17446909*	17446910*	17446911*

Figure 3-18 Follow the row to find the reservation number you need.

Make note of this reservation number.

3.2.2 Expediting

1. Similar to Section 3.1.2, you want to search if there are any already active STOs when you first receive an expedite request. Go to the **2000** side of **MD04**.
2. Click on the DEL PRTY and DEMAND buttons near the top of the screen to see what reservations the active STOs are connected to.

Stock/Requirements List as of 06:48 hrs

Material: 810-240284-005 PCBA, SAMPLE HOLD, BIAS
MRP Area: 2000 Fremont Global Spares
Plant: 2000 MRP Type: PD Material Type: COMP Unit: EA CHOWTPA 04/20/21

A...	Date	MRP ele...	Opening date	MRP element data	Rescheduling d...	Except...	Receipt/Reqmt	Available Qty	Supp...	Iss./...	Stor...	R./Del. Pr...	Demand
	06/29/2021	Stock		Safety Stock		96		9.000					
	06/29/2021	SafeSt					37.000	28.000					
	06/23/2021	STPreq		0100307604/00010			2.000	30.000	1000		B		
	06/24/2021	Deliv.		0804582988/000010/0			4.000	34.000			0010		0017457131
	06/24/2021	STPreq		0103617102/00010			3.000	37.000	1000		B		
	06/25/2021	STPord		3507085718/00010			10.000	47.000	1000	3250	B 01		0017446903
	06/28/2021	STPord		4100363216/00010	06/29/2021	10	1.000	46.000			0010 B		
	06/28/2021	STPord		4501582254/00010	06/29/2021	10	40.000	6.000			0010 A		
	06/28/2021	Deliv.		0804601008/000010/0			3.000	9.000			0010		0017495977
	06/28/2021	STPreq		0100338664/00010			15.000	24.000	1000		B		
	06/29/2021	STPreq		0099246304/00010			6.000	30.000	1000		B		

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Figure 3-19 The Delivery Priority and Demand buttons are marked with red.

3. If you do not see this part's reservation number in **MD04**, you can ignore the rest of this section and move on to Section 3.2.3. Otherwise, we first need to make sure that this reservation has been properly released for transit. Create a new window using T-code **ZR101**. Fill in the bubble marked NR/ENG REPORT and paste your reservation number onto the line. Click EXECUTE.

PO Status report

☐ PO Status Report

Purchase Order

☒ NR/ENG Report

Reservation

☐ Production Order Report

Order no.

Figure 3-20 Main page for ZR101.

4. When you see this reservation's RESERVATION ITEM STATUS, check the top line. If the line has any sort of text on it, this reservation has been released. If the line is blank, then this is not the case. Consult with your supervisor at this point.

Reservation Item Status

Disply Res.
 Change Res.
 Stk/Reqmts (MFG)
 Stk/Reqmts (WHS)
 MRP Controller
 Status Log

Reservation Item Status

Reservation : 0017380385
 Req By
 Req Date
 Status :
 00/00/0000 00:00:00

Item	Material	Descriptn	SLoc	MGr	Reqd	Issd	ZMAKE	ZQty
0001	575-013640-438	CONFIG,RF CAR	9520	MN	6.00			
0002	575-043960-438	CONFIG,CHAMBE	9520	MN	6.00			
0003	575-800096-438	CONFIG, ASSY,	9520	MN	6.00			
0004	575-800325-348	CONFIG,BIAS A	9520	MN	6.00			
0005	853-802259-421	ASSY,COLLIMAT	9520	MN	6.00			

Figure 3-21 This page shows the items of the reservation.

- If your supervisor approves releasing this reservation, create a new window and use the T-code **ZR308**.

Reservation Release

Reservation to

Additional filter data

Sales Order	<input type="text"/>
Item	<input type="text"/>
Line	<input type="text"/>
Op	<input type="text"/>
Parent Assembly	<input type="text"/>

Figure 3-22 Main page of ZR308.

- Paste the reservation number on the line a click EXECUTE.

- When the next window comes up, click the bubble next to the reservation you want and press the RELEASE RESERVATION button.
- Now the reservation has been released for transit. Return to **MD04** and expedite the STO as you have done in Section 3.1.2.

3.2.3 New STO

- If there is no current STO, you will have to create a new one. Use the reservation number and make a new window for **ZR101**.
- If the reservation is released, press the CHANGE RES button at the top. It has a pen icon.

Reservation Item Status

Disply Res.
 Change Res.
 Stk/Reqmts (MFG)
 Stk/Reqmts (WHS)
 MRP Controller
 Status Log
 0

Reservation Item Status

Reservation : 0017380385
 Req By

Status :
Req Date

00/00/0000 00:00:00

Item	Material	Descriptn	SLoc	MGr	Reqd	Issd	ZMAKE	ZQty
0001	575-013640-438	CONFIG,RF CAR	9520	MN	6.00			
0002	575-043960-438	CONFIG,CHAMBE	9520	MN	6.00			
0003	575-800096-438	CONFIG, ASSY,	9520	MN	6.00			
0004	575-800325-348	CONFIG,BIAS A	9520	MN	6.00			
0005	853-802259-421	ASSY,COLLIMAT	9520	MN	6.00			

Figure 3-23 The Change Reservation button is marked with red.

- Press the button at the top that has the icon of a blank page. This will let you create a new item for the reservation.

Change Reservation 0017314931 : Collective Processing

  Details fm item

Movement type TF tfr. within plant

Goods recipient

Rcvg SLoc



Positionen

Itm	Material	Quantity	UnE	Plnt	SLoc	Batch	M	FIS	PO Crea	D
1	684-084547-111	6.000	EA	1000	9520		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
2	684-084547-112	6.000	EA	1000	9520		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
3	684-084547-113	6.000	EA	1000	3250		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
4	684-084547-114	6.000	EA	1000	3250		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
5	713-083420-014	6.000	EA	1000	9520		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
6	713-112956-437	6.000	EA	1000	9520		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
7	713-136118-006	6.000	EA	1000	9520		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
8	713-155260-025	6.000	EA	1000	9520		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Figure 3-24 The New Item button is marked with red.

- A small window will pop up asking for the REQUIREMENT DATE for this new delivery. Copy the BASE DATE onto that line and write **1000** for the PLANT.

Change Reservation 0017314931 : Collective Processing

  Details fm item

Movement type TF tfr. within plant

Goods recipient

Positionen

Itm	Material	Quantity	UnE	Plnt	SLoc	Batch	M	FIS	PO Crea	D
1	684-084547-111	6.000	EA	1000	9520		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
2	684-084547-112	6.000	EA	1000	9520		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
3	684-084547-113	6.000	EA	1000	3250		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
4	684-084547-114	6.000	EA	1000	3250		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
5	713-083420-014	6.000	EA	1000	9520		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
6	713-112956-437	6.000	EA	1000	9520		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
7	713-136118-006	6.000	EA	1000	9520		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
8	713-155260-025	6.000	EA	1000	9520		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Default Values

Header information

Base date

Suggestion for new items

Reqmts date

Plant

Figure 3-25 Pop up menu for making a new part entry. Make sure the Reqmts date matches the Base date.

- You can now create a new reservation item. Fill in the first row of the new page, adding the part number, quantity, and whether this part is going to 3150 or 3250. All of this information should be present in the email.

Double click on the part number after you have added the information.

Change Reservation 0017314931 : New Items

Details fm item

Movement type 311 TF tfr. within plant

Goods recipient

Rcvg SLoc 3250

Positionen

Itm	Material	Quantity	UnE	P1nt	SLoc	Batch	M	FIS	PO Crea	D
28	839-800328-229	1		1000	3250		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
29				1000			<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
30				1000			<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
31				1000			<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
32				1000			<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
33				1000			<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
34				1000			<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
35				1000			<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Figure 3-26 Fill out a line for a new entry as shown.

- The item you have created will be at the very end of the reservation. Hold SHIFT+F7 to move through the reservation items until you reach the very end. Copy the RECIPIENT and TEXT lines from previous entries and paste them on the appropriate lines. Add the UNLOAD PT that this part must be delivered to, with the first three digits being the production line and the last two digits being the workstation as shown below. Press the SAVE button at the top of the screen.


Change Reservation 0017314931 : Details 0028 / 0028			
◀ ▶ New item			
Movement type	311	TF tfr. within plant	
Plant	1000	Manufacturing Livermore	
Material	839-800328-229	ESC,ITER, BTM, 300MM	
Stor. location	3250 CA32 LML		
Quantity in			
Unit of entry	1.000	EA	<input type="checkbox"/> Qty. is fixed
Stockkeepg.unit	1.000	EA	
Further information			
Reqmts date	06/18/2021	<input type="checkbox"/> Final issue	
<input checked="" type="checkbox"/> Mvt allowed		<input type="checkbox"/> Item deleted	
Recipient	C9669/MULTI	Unload.pt.	03112
Text	571-800096-478		


Figure 3-27 Make sure to fill in these lines as the text specifies.

7. Create a new window and use the T-code **Z026**. Make sure PLANT is **1000** and that the RESERVATION NUMBER option is bubbled. Paste the number onto the line and click EXECUTE. This will generate a new STO for the reservation item you just created.

Grouping ABAP 2

Plant

☒ Reservation number to 

☐ Production order number to 

☒ Business area


☐ Storage location 

Figure 3-28 Main page for Z026.

8. Close all previous windows and go back to **MD04**. Find the new STO you have just generated and expedite it as you did in Section 3.1.2. Email the assembler and let them know that you have expedited the part.

3.2.4 Replacing

Like making a replacement STO for PL or PC parts, replacing a PN part will require use of an NCI number. Fortunately, the procedure for making such an STO is almost exactly the same as the procedure in Section 3.2.3. Go through the instructions of the previous section like normal, but just make an addition to the TEXT line with “NCI #” and the NCI number the assembler gave you. Then just finish the steps listed above in Section 3.2.3.

Change Reservation 0017446903 : Details 0002 / 0002

✓ [dropdown] << [icons]

Change Reservation 0017446903 : Details 0002 / 0002

◀ ▶ New item

Movement type	311	TF tfr. within plant
Plant	1000	Manufacturing Livermore
Material	810-240284-005	PCBA,SAMPLE HOLD,BIAS
Stor. location	3250 CA32 LML	

Quantity in

Unit of entry	10.000	EA	<input type="checkbox"/> Qty. is fixed
Stockkeepg.unit	10.000	EA	

Further information

Reqmts date	06/30/2021	<input type="checkbox"/> Final issue
<input checked="" type="checkbox"/> Mvt allowed		<input type="checkbox"/> Item deleted
Recipient	D2555/MULTI	Unload.pt. 00803
Text	571-800096-820 NCI # 1359612	

Figure 3-29 The given NCI information has been added to the text line.

3.3 Freestock Parts

Freestock parts are the final type of parts you will regularly work with. They are frequently those that are small and numerous, such as screws and caps for rivets. The challenge of these parts is they do not officially exist within the system and an STO cannot be made for them. There are three methods of pulling Freestock parts and it is recommended to try them in this sequence.

3.3.1 Inventory Control

1. On some occasions, the warehouse will be carrying the Freestock parts you are looking for. This can be confirmed by going to the warehouse **2000** side of **MD04**. Check with the procedure mentioned previously in Section 3.1.2.

2. If there turns out to be stock for this part in the warehouse, write an email to DHL Inventory Control and ask them to transfer the necessary quantity of the part to the location specified by the original email.

3.3.2 Wave Orders

1. If no stock can be found in **2000**, you will need to try a new approach.

Create a new window and use the T-code **ZRWAVE01**. Fill in PLANT as **1000** and paste the part number on the MATERIAL NUMBER line.

Wave Report for Manufacturing

Database Selection

Warehouse	101	to		
Material Number	720-056626-020	to		
Create Date		to		
Create Time	00:00:00	to	00:00:00	
Ship Date		to		
Ship Time	00:00:00	to	00:00:00	
Wave		to		
Pick		to		
Order		to		
Operation		to		
Status		to		
Cart		to		

Database

☒ Current Table
☐ History Table

Report Output

☒ Display on Screen
☐ Write to File

Filename

Figure 3-30 Main page for ZRWAVE01.

- The WAVE REPORT page shows all the incoming deliveries bound for **3150** and **3250**. Scroll down the ORDER until you find row items that have an order number starting with **993-**. Find one or more of these orders that provide the required quantity of Freestock parts and copy the order numbers.

Wave Report for Manufacturing

Figure 3-31 The current orders in progress for this part.

- Send an email to DHL Picking asking for them to pull in the specified wave orders as soon as they can.

3.3.3 Spares

If neither of the above methods are successful, it is time to see if there is stock for this part in Spares.

- Go back to the **MD04** page and change the MRP AREA value to **2001**.

This will show stock in the Fremont Spares Warehouse.

- If there is stock for this Freestock part in 2001, write an email to Hot Orders asking that they transfer the required stock from 2001 to 2000. Parts will be sent and you can then communicate with the warehouse using the procedure found in Section 3.3.1.

If all three methods have been attempted and there is no available stock for this part, consult your supervisor on possible next steps.

4 Pulling in Stock

Expediting parts is normally a simple process, but sometimes you will find that there are none of this part available in 2000 and our Manufacturing lines are desperately asking for them. In situations like this, you will need to try other ways of finding the parts you need. This can be done by either reaching out to buyers or by contacting other Lam facilities.

4.1 Contacting Buyers

After checking the 2000 inventory for a specific part and finding it empty, the first thing you want to do is try to communicate with the buyer. The buyer is the link between Lam and our part suppliers and order shipments of parts as we need them. If you inform them of the current predicament, they may be able to pull a shipment of parts into 2000 sooner than they would have arrived on their own.

1. First you want to look through the STOCK REQUIREMENTS LIST and find the next shipment of parts. As mentioned in Section 3.1.2, they will always be denoted by a number code beginning with **45-**. Copy this number for later use.

Stock/Requirements List as of 11:07 hrs

Show Overview Tree Batch/Com.Dt Del. Prty. Demand

Material 715-101136-051 CLIP,CAM,SHAFT,INNER ELCTD

MRP Area 2000 Fremont Global Spares

Plant 2000 MRP Type PD Material Type COMP Unit EA KRAYNRI 10/31/13

Individual List Cross-Plant View

A...	Date	MRP ele...	Opening date	MRP element data	Rescheduling d...	Except...	Receipt/Reqmt	Available Qty	Supp...	Iss./...	Stor...	R. Del. Pr...	Demand
	06/15/2021	Stock				96		0.000					
	06/15/2021	SafeSt		Safety Stock			260.000-	260.000-					
	03/29/2021	STPord		3506819128/00080		10	8.000	252.000-	10006049		0010 B		
	05/17/2021	STPord		3507010551/00020			33.000-	285.000-	10003250		B 02	CC	
	06/09/2021	STPord		3507024372/00070			40.000-	325.000-	10003250		B 02	CC	
	06/25/2021	STPord		4500893952/00010	06/15/2021	10	50.000	275.000-			0010 B		
	06/30/2021	STPord		4500893952/00010	06/15/2021	10	100.000	175.000-			0010 B		
	07/02/2021	STPreq		0097662746/00010			172.000-	347.000-	1000		B		
	07/07/2021	STPord		4500893952/00010	06/15/2021	10	100.000	247.000-			0010 B		
	07/09/2021	STPreq		0105899948/00010			96.000-	343.000-	1000		B		
	07/14/2021	STPord		4500893952/00010	06/15/2021	10	200.000	143.000-			0010 B		
	07/16/2021	STPreq		0103395314/00010			240.000-	383.000-	1000		B		
	07/21/2021	STPord		4500893952/00010	07/02/2021	10	240.000	143.000-			0010 B		
	07/28/2021	STPord		4500893952/00010	07/16/2021	10	100.000	43.000-			0010 B		
	08/04/2021	STPord		4500893952/00010	07/16/2021	10	100.000	57.000			0010 B		

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Figure 4-1 An incoming shipment of parts is marked with red.

- Next to the PART line at the top of the screen there is a file icon. It is marked in the image above with a blue square. Click on it to extend a pull-down menu showing additional information on this part. Click on the tab marked OVERVIEW OF PART DATA. The person listed as PURCHASING GROUP is the buyer for this part.

Stock/Requirements List as of 11:07 hrs

Show Overview Tree | Batch/Com.Dt | Del. Prty. | Demand

Material: 715-101136-051 | CLIP,CAM,SHAFT,INNER ELCTD
 MRP Area: 2000 | Fremont Global Spares
 Plant: 2000 | MRP Type: PD | Material Type: COMP | Unit: EA | KRAYNRI 10/31/13

Overview of material data | Procurement and scheduling | Stocks/coverage | Statistic 1 | In-house production data | Ex...

MRP Controller: 570 Deepak Duraikannoo
 Purchasing Group: W10 Abdul Shahid
 Procurement Type: F
 Planning time fence: 35
 ABC Indicator: B

MRP group: Strategy Group: 40
 Special procurement: 10
 Availability check: Z2
☐ BADI Active

Individual List | Cross-Plant View

A...	Date	MRP ele...	Opening date	MRP element data	Rescheduling d...	Except...	Receipt/Reqmt	Available Qty	Supp...	Iss./...	Stor...	R. Del. Pr...	Demand
	06/15/2021	Stock		Safety Stock		96	260.000-	0.000					
	06/15/2021	SafeSt					260.000-						
	03/29/2021	STPord		3506819128/00080		10	8.000	252.000-	10006049	0010	B		
	05/17/2021	STPord		3507010551/00020			33.000-	285.000-	10003250		B 02	CC	
	06/09/2021	STPord		3507024372/00070			40.000-	325.000-	10003250		B 02	CC	
	06/25/2021	STPord		4500893952/00010	06/15/2021	10	50.000	275.000-			0010 B		

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Figure 4-2 This part's buyer is marked with red.

- Write an email to this buyer and ask if it is possible to expedite the upcoming shipment of parts. They will reply when they are able about the status of the shipment.

4.2 Reaching out Worldwide

If parts cannot be found in the way marked above, then you will need to borrow some from other Lam facilities.

- After copying the part number, create a new window and use the T-code **MMBE**. When the page appears, copy the number onto the PART line and click EXECUTE. **Make sure all other lines in the DATABASE SELECTIONS area are empty.**

Stock Overview: Company Code/Plant/Storage Location/Batch

Database selections

Material: 719-101612-887

Plant: to

Storage location: to

Batch: to

Stock Type Selection

☒ Also Select Special Stocks

☒ Also Select Stock Commitments

List Display

Special Stock Indicator: to

Display version: 1

Display Unit of Measure:

☒ No Zero Stock Lines

☐ Decimal Place as per Unit

Selection of Display Levels

☒ Company Code

☒ Plant

☒ Storage Location

☒ Batch

Figure 4-3 Main page of MMBE

- You will now find yourself on the STOCK OVERVIEW page, which shows how much of this part every other Lam facility currently has and is expected to receive. Scroll through the list until you find one or more locations that carry the quantity of part that you need.

Figure 4-4 This shows our stock for a specific part company-wide. The Unrestricted use column shows parts that are open for use while On-Order Stock shows parts to be delivered.

- Write an email to Hot Orders and ask them to transfer the quantity of part from the specified locations to the 2000 warehouse.

5 Return to Stock

While the previous chapter informed you on how to pull parts from other Lam facilities, this next chapter will inform you on what to do when other Lam facilities need to pull parts from the Manufacturing floor and transfer them to the warehouse so they can be sent out worldwide. These procedures are called Return to Stock, or RTS.

For a number of reasons, people from other Lam facilities will send emails to PC to ask to use some of the parts we have on hand. It can be to support Manufacturing in

another country or to repair a customer's damaged machine. Therefore, we need to do what we can to make sure they get the parts they need as quickly as possible. When you receive an email asking you to RTS a certain quantity of part, these emails will usually be sent by Hot Orders. They can handle the transfer of parts from the warehouse to their location, but they can't do anything about parts on the Manufacturing floor. These are steps to follow to accomplish that.

5.1 PL / PC Parts

1. When you receive the RTS email, you will need to find the supervisor of the production line the parts are found at. Make a new window and use the T-code **ZR269**. This will tell you what production line this part is located at. Your supervisor can provide you with the names of the supervisors in charge of that production line.
2. Add them to the original email and request that they check our on-hand stock for this part and advise if we can fill the RTS request. They will check our stock and respond back. Any parts we RTS are physically moved to the Material Review Board (MRB) room.
3. Go through the procedures listed in Section 3.1.4, but click on the RTS button instead of NCR.
4. Respond to the original email letting the requester know we can support their RTS. Add DHL Resupply to ask them to place these parts on a Hot Truck to the warehouse.

5.2 PN Parts

PN parts are frequently requested for RTS, but it is rare that we are able to accommodate these requests. We typically transfer PN parts to the Manufacturing floor on an as-needed basis. However, in the event we are able to support this RTS, whether because more PN parts were ordered than necessary or a production order was cancelled by a customer, follow these steps to RTS the parts.

1. Start by going to **MD04** and search for the PN part requested for RTS.
2. To find the location of this part, double-click on the total stock count on the **1000** side of **MD04** and then press the STOCK OVERVIEW button on the pop-up window. This shows the current and on-order stock for this part.

Stock Overview: Basic List

Selection

Material

714-143334-013

BRKT,SUPPORT,CDA LINE

Material Type

COMP

Component Material

Unit of Measure

EA

Base Unit of Measure

EA

Stock Overview

Detailed Display

Client/Company Code/Plant/Storage Location/Batch/Special Stock	Unrestricted use	Qual. inspection	Reserved	Rcpt reservation	On-Order Stock	Cor
<div><div></div>Full</div>	5.000		22.000	9.000	9.000	
<div><div><div></div>2700 Lam Research Intl Sarl</div></div>	5.000		22.000	9.000	9.000	
<div><div><div><div></div>1000 Manufacturing Livermore</div></div></div>	5.000		22.000	9.000	9.000	
<div><div><div><div><div></div>0290 Fremont Eng Etch</div></div></div></div>	4.000		13.000			
<div><div><div><div><div></div>3150 CA31 LML</div></div></div></div>	1.000			9.000		
<div><div><div><div><div></div>9520 NR Staging</div></div></div></div>			9.000		9.000	

Figure 5-1 This Stock Overview shows all stock of this part within the 1000 facility.

3. Right-click on the stock number in 3150 / 3250 and select the RESERVATIONS option.

Stock Overview: Basic List

Selection

Material: 714-035203-005 COV,ENCL,DBLCNTN

Material Type: COMP Component Material

Unit of Measure: EA Base Unit of Measure: EA

Stock Overview

Client/Company Code/Plant/Storage Location/Batch/Special Stock

	Unrestricted use	Qual. inspection	Reserved	Rcpt reservation	On-Order Stock	Consgt
Full	14.000		13.000		55.000	
2700 Lam Research Intl Sarl	14.000		13.000		55.000	
1000 Manufacturing Livermore	14.000		13.000		55.000	
3150 CA31 LML NEW	13.000				42.000	
6049 IMF RTS						
9515 Kitting					13.000	

Find
Help
Back
New Selection
Refresh
Allowed Units of Measure
Display Material
Purchase Orders
Stock/Requirements List
Reservations
Material Movements
Production Orders
Equipment/Serial Number
Handling Unit
WM Stocks
Display Batch
Batch Classification

Figure 5-2 The option you need, Reservations, is marked with red.

- This new page has all of the previous reservations that arrived for this part. Find a reservation that has the movement type (MvT) of 311 and copy the reservation number.

Reservation List Inventory Management

Figure 5-3 Reservations with a movement type of 311 are ones that arrive in 3150/3250.

5. Create a new window for **ZR101** and put in the number like in Section 3.2.2.
6. This will take you to the RESERVATION ITEM STATUS page and you can now find the entry for the PN part you are searching for. Click the button marked DISPLAY RES.

Reservation Item Status									
<div> Change Res. Stk/Reqmts (MFG) Stk/Reqmts (WHS) MRP Controller Status Log </div>									
Reservation Item Status									
Reservation : 0017380385 Status :					Req By Req Date 00/00/0000 00:00:00				
Item	Material	Descriptn	SLoc	MGr	Reqd	Issd	ZMAKE	ZQty	
0001	575-013640-438	CONFIG,RF CAR	9520	MN	6.00				
0002	575-043960-438	CONFIG,CHAMBE	9520	MN	6.00				
0003	575-800096-438	CONFIG, ASSY,	9520	MN	6.00				
0004	575-800325-348	CONFIG,BIAS A	9520	MN	6.00				
0005	853-802259-421	ASSY,COLLIMAT	9520	MN	6.00				

Figure 5-4 The Display Reservation button is marked with red.

7. Scroll through the list of part entries until you find the part you are searching for. Double-click the entry.

Display Reservation 0017380385 : Overview

Details fm item

Movement type TF tfr. within plant

Rcvg SLoc

Items

Itm	Reqmnt qty Qty withdrawn	BUn	Material Material Description	Plnt	SLoc	Batch	Rqmnt date		
							Mvt	PO Cre	FIs Del D/C
1	6.000	EA	575-013640-438	1000	9520				06/21/2021
		EA	CONFIG,RF CART ASSY,FLEX HX PLUS			<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
2	6.000	EA	575-043960-438	1000	9520				06/21/2021
		EA	CONFIG,CHAMBER ASSY,FLEX HX PLUS			<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
3	6.000	EA	575-800096-438	1000	9520				06/21/2021
		EA	CONFIG, ASSY,UP PL, FLEX HX PLUS			<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
4	6.000	EA	575-800325-348	1000	9520				06/21/2021
		EA	CONFIG,BIAS ASSY, MU-METAL,FLEX HX PLUS			<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
5	6.000	EA	853-802259-421	1000	9520				06/21/2021
		EA	ASSY,COLLIMATOR,OES,DCX LENS,ADJ GAP			<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Figure 5-5 The individual parts that make up a reservation.

- Attached to the entry will be the location this part was delivered to.

Change Reservation 0017314931 : Details 0028 / 0028			
◀ ▶ New item			
Movement type	311	TF tfr. within plant	
Plant	1000	Manufacturing Livermore	
Material	839-800328-229	ESC,ITER, BTM, 300MM	
Stor. location	3250 CA32 LML		
Quantity in			
Unit of entry	1.000	EA	<input type="checkbox"/> Qty. is fixed
Stockkeepg.unit	1.000	EA	
Further information			
Reqmts date	06/18/2021	<input type="checkbox"/> Final issue	
<input checked="" type="checkbox"/> Mvt allowed		<input type="checkbox"/> Item deleted	
Recipient	C9669/MULTI	Unload.pt.	03112
Text	571-800096-478		

Figure 5-6 The location a part is delivered to is marked with red.

9. Now that you have the location, you can contact the production line supervisor. Like in Section 5.1, ask them to check our on-hand stock for this part to see if we can support this RTS.
10. If parts are found and moved to the MRB room, create a new window and use the T-code **MB1B**.

Enter Transfer Posting: Initial Screen

New Item To Reservation... To Purchase Order... WM Parameters...

Document Date Posting Date

Material Slip

Defaults for Document Items

Movement Type	<input type="text" value="344"/>	Special Stock	<input type="text"/>
Plant	<input type="text" value="1000"/>	Reason for Movement	<input type="text"/>
Storage Location	<input type="text" value="3149"/>	<input type="checkbox"/> Suggest Zero Lines	

GR/GI Slip

☐ Print
 ☐ Individual Slip
 ☐ Indiv.Slip w.Inspect.Text
 ☒ Collective Slip

Figure 5-7 Main page of MB1B

11.MB1B is used when moving parts between different locations via differing movement types. In this instance, mark MOVEMENT TYPE as **344**. Write **3149** on the STORAGE LOCATION line if the specified part is found in 3150. Otherwise, write **3249** if 3250. Press ENTER.

Enter Transfer Posting: New Items

To Reservation... To Order... To Purchase Order...

Movement Type TR blocked to unre.

Iss. SLoc.

Items

Item	Material	Quantity	UnE	SLoc	Batch	Re PInt
1	714-143334-013	1		3149		1000
2				3149		1000
3				3149		1000
4				3149		1000

Figure 5-8 Fill the values of the line as shown above. Make certain that SLoc is 3149 and Iss. SLoc is 3150.

12. Fill out the PART NUMBER and QUANTITY. Write **3150** / **3250** for the ISS. SLOC at the top. Double-click on the PART NUMBER.

Enter Transfer Posting: Details 0001 / 0001				
◀ ▶ 🏠 📧 📄 New Item 📧 Messages To Reservation... To Order... WM Details...				
Movement Type	344	TR blocked to unre.		
Material	714-143334-013	BRKT,SUPPORT,CDA LINE		
Quantity in				
Unit of Entry	1.000	EA	Plant	1000
			Stor. Loc.	3149
Account Assignment				
			Iss. SLoc.	3150
Text				

Figure 5-9 This is where you fill in specifics of why this part is needed for RTS.

13. On the TEXT line, copy and paste the subject line for the RTS request email. Press the SAVE button at the top of the page.
14. Now the part is ready for RTS. Email Resupply and ask them to put this part on a “hot truck”, which means a truck is meant to deliver the part as quickly as possible.

6 Production Cards

Printing out Production Cards is a simple procedure for PC. There are two production lines on the Manufacturing floor, lines 15 and 18, that are responsible for creating sub-assemblies that go onto the main product as a single part. When these sub-assemblies get used on the other production lines, the assemblers scan the bins as they would for other parts. Instead of creating an STO for this one sub-assembly, however, the SAP system will create STOs for the smaller parts going into the creation

of the sub-assembly and also generate a Production Card. One of the duties of PC is to print out these cards and take them down to the floor in a timely manner.

1. To print the newly generated Production Cards, use the T-code **ZIPKPRINT**. Near the top of the window, make sure cards are being printed for both **3150** and **3250**. Also write **Z500** on the line marked PRINTER. This is the printer in the PC work area. After that, click the EXECUTE button to begin printing the Production Cards.

Storage locatio/Material due Labels

Location

Issuing Storage Location to

Repeat print options

☐ Re-print
☒ Demand
☐ Internal

Plant to

Material Number to

Sales Order to

Serial Number to

Counter to

Control Cycle Number to

Print Date to

Printing options

Printer

Figure 6-1 Main page for ZIPKPRINT.

2. When the printing is complete, the Production Card stickers must be placed onto laminated cards by hand. Make note that there are likely

different types of Production Cards in a single batch. Not only will they need to be sent to different production lines, but they could be for different types of parts as well.

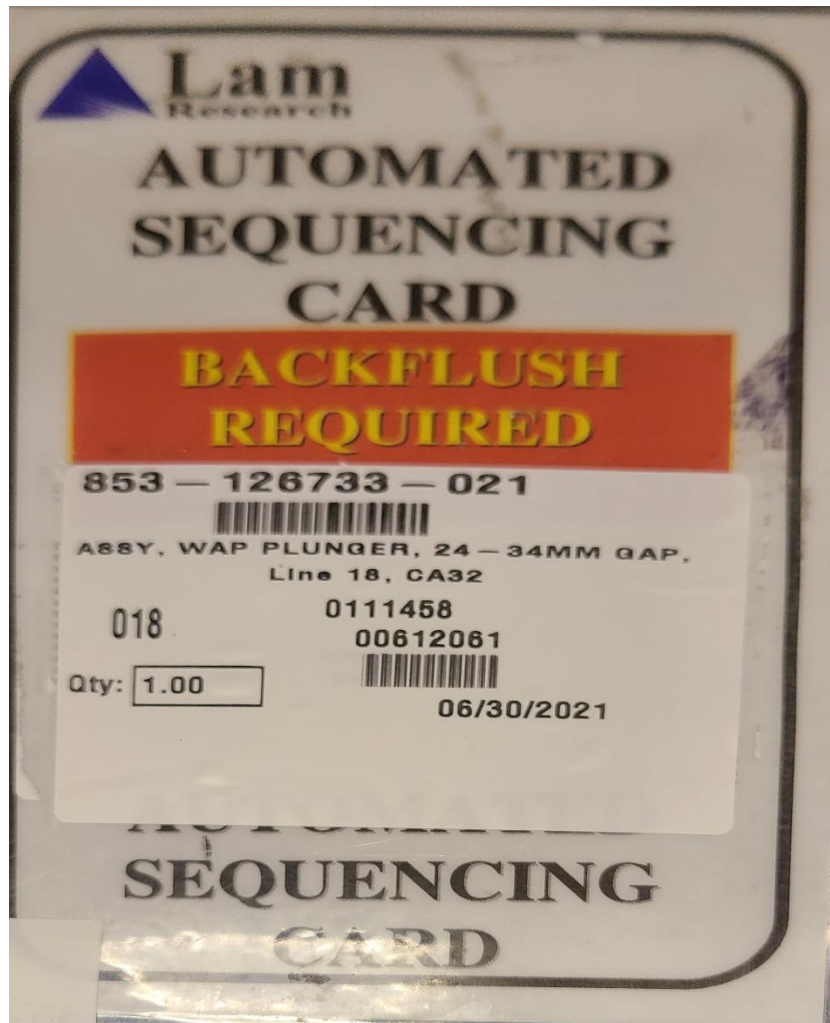


Figure 6-2 This is a White Card with a corresponding Production Card stuck on.

3. Make note of the difference between the cards below.

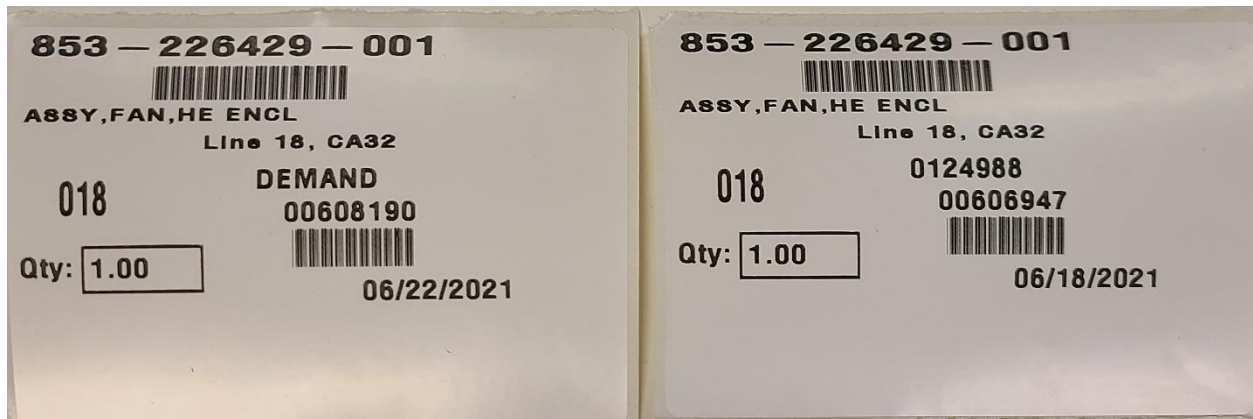


Figure 6-3 The card on the left is a Yellow Card and is marked DEMAND. The card on the right is a White Card and just has an ID number.

- a. A Yellow Card means the subassembly that is built will be going somewhere different than the Manufacturing floor.
 - b. White Cards are sub-assemblies that are used on the Manufacturing floor.
4. When all the stickers are placed on cards, contact the supervisors who are in charge of the specified lines. Make arrangements with them to meet at one of the Decontamination rooms downstairs and hand these cards over to them.

7 Backflushing

When a product is complete, it is moved off the Manufacturing floor into a Decontamination room, where it is prepared for shipping. There is one final step before it can be shipped, though. A member of the Lam team on the loading dock makes note of the product's unique serial number and emails it to the PC team to be backflushed.

Backflushing is the process where all of the parts that have gone into the assembly of this product are accounted for and deleted from the 1000 inventory. These backflushes must be done in a specific order, as shown by the table below.

Table 7-1 Work Center values and their corresponding Backflush Types

Work Center ((WC))	Backflush Type ((BT))
08	TOPPLATE
14	PUMPCRT
31	BIASELTRD
32	CHAMBER
01	MODULE

For the below steps, follow down the left column, adding the specified work center where you see **((WC))** and the corresponding backflush type where you see **((BT))**.

To give a step-by-step example, we will use the serial number **FLGL-116** as an example.

1. To start, you will need to use the T-code **ZR151**. When you get to this new page, type **1000** on the PLANT line and then copy the above serial number on the line marked SERIAL NUMBER. Press ENTER.

Delete IPK Intransit table entry

Plant 1000 to

Material to

Receiving location to

Sales Order to

Sales Item to

FCID to

Serial Number FLGL-116 to

Additional parameters

Work Center to

Print date to

Selection

☒ All

Material Part Filter

☐ Only Spares

☐ Others

☐ History Only

Figure 7-1 Main page for ZR151.

- You are now showing the major assemblies that add up into a completed product.

Delete IPK Intransit table entry

	Material	Counter	ContrCyc	Qty	Plant	SLOC	RcLOC	WrkCtr	CreateBy	CreateDt	PrintDt	MtGrp	Sales Ord	Sales Item	FCID	Ser Num	Order	Supply Area	Start Date	Comp Date	Comp Time	Comp By
<input checked="" type="checkbox"/>	571-800096-433	591217	INTERNAL	1.000	1000	3150	3150	001	MANTA	05/03/2021	05/03/2021	MN	D1942	170	200303	FLGL-116		00112	05/10/2021		00:00:00	
<input type="checkbox"/>	575-013640-433	591223	INTERNAL	1.000	1000	3150	3150	014	MANTA	05/03/2021	05/03/2021	MN	D1942	170	200303	FLGL-116		00117	05/10/2021		00:00:00	
<input type="checkbox"/>	575-043960-433	591224	INTERNAL	1.000	1000	3150	3150	032	MANTA	05/03/2021	05/03/2021	MN	D1942	170	200303	FLGL-116		00101	05/10/2021		00:00:00	
<input type="checkbox"/>	575-800096-433	591218	TRANSFER	1.000	1000	3150	3250	008	MANTA	05/03/2021	05/03/2021	MN	D1942	170	200303	FLGL-116		00112	05/10/2021		00:00:00	
<input type="checkbox"/>	575-800325-445	591222	TRANSFER	1.000	1000	3150	3250	031	MANTA	05/03/2021	05/03/2021	MN	D1942	170	200303	FLGL-116		00108	05/10/2021		00:00:00	

Figure 7-2 The active cards corresponding with the Serial Number above.

- Create a new window and use the T-code **ZR218**. Type **3150** on the line labeled SLOC, but don't add anything else for the moment. You will need both this page and the previous **ZR151** to complete this task. Find the row on **ZR151** that has the number matching **((WT))** in the WRKCTR column.

One by one, copy the SALES ORD, SALES ITEM, and COUNTER from **ZR151** and paste them on the corresponding lines on **ZR218** (the COUNTER goes on the line marked CONTROL NUMBER). On the final line marked BACKFLUSH TYPE, type in **((BT))**. Click EXECUTE.

Process Production Orders from a Sales Order

Sales Order

 Item

 Planned Order

 Plant

 To Location

 Control Number

 Backflush Type

Figure 7-3 Main page of ZR218.

4. Scroll through the list of assembly numbers until you find the number that matches the row you were working with on **ZR151**.

Delete IPK Intransit table entry

	Material	Counter	ContrCyc	Qty	Plant	SLOC	RcLOC	WrkCtr	CreateBy	CreateDt	PrintDt	MtGrp	Sales Ord	Sales Item	FCID	Ser Num	Order	Supply Area	Start Date	Comp Date	Comp Time	Comp By
<input type="checkbox"/>	571-800096-433	591217	INTERNAL	1.000	1000	3150	3150	001	MANTA	05/03/2021	05/03/2021	MN	D1942	170	200303	FLGL-116		00112	05/10/2021		00:00:00	
<input type="checkbox"/>	575-013640-433	591223	INTERNAL	1.000	1000	3150	3150	014	MANTA	05/03/2021	05/03/2021	MN	D1942	170	200303	FLGL-116		00117	05/10/2021		00:00:00	
<input type="checkbox"/>	575-043960-433	591224	INTERNAL	1.000	1000	3150	3150	032	MANTA	05/03/2021	05/03/2021	MN	D1942	170	200303	FLGL-116		00101	05/10/2021		00:00:00	
<input type="checkbox"/>	575-800096-433	591218	TRANSFER	1.000	1000	3150	3250	008	MANTA	05/03/2021	05/03/2021	MN	D1942	170	200303	FLGL-116		00112	05/10/2021		00:00:00	
<input type="checkbox"/>	575-800325-445	591222	TRANSFER	1.000	1000	3150	3250	031	MANTA	05/03/2021	05/03/2021	MN	D1942	170	200303	FLGL-116		00108	05/10/2021		00:00:00	

Figure 7-4 Pay attention to the row with a WrkCtr value that matches **((WC))**.

MAKE ABSOLUTELY CERTAIN THEY MATCH.

Press ENTER.

Delete IPK Intransit table entry

	Material	Counter	ContrCyc	Qty	Plant	SLOC	RcLOC	WrkCtr	CreateBy	CreateDt	PrintDt	MtGrp	Sales Ord	Sales Item	FCID	Ser Num	Order	Supply Area	Start Date	Comp Da
<input type="checkbox"/>	571-800096-433	591217	INTERNAL	1.000	1000	3150	3150	001	MANTA	05/03/2021	05/03/2021	MN	D1942	170	200303	FLGL-116		00112	05/10/2021	
<input type="checkbox"/>	575-013640-433	591223	INTERNAL	1.000	1000	3150	3150	014	MANTA	05/03/2021	05/03/2021	MN	D1942	170	200303	FLGL-116		00117	05/10/2021	
<input type="checkbox"/>	575-043960-433	591224	INTERNAL	1.000	1000	3150	3150	032	MANTA	05/03/2021	05/03/2021	MN	D1942	170	200303	FLGL-116		00101	05/10/2021	
<input type="checkbox"/>	575-800096-433	591218	TRANSFER	1.000	1000	3150	3250	008	MANTA	05/03/2021	05/03/2021	MN	D1942	170	200303	FLGL-116		00112	05/10/2021	
<input type="checkbox"/>	575-800325-445	591222	TRANSFER	1.000	1000	3150	3250	031	MANTA	05/03/2021	05/03/2021	MN	D1942	170	200303	FLGL-116		00108	05/10/2021	

Process Production Orders from a Sales Order

Selection of plnd orders for Sales order SO item

S	Plnd order	Material	Ver.	Prp1	P1P1	End	Order quantity	GR qty
<input type="radio"/>	30111204	575-800325-445	0001	1000	1000	05/07/2021	1.000	0.000
<input type="radio"/>	30111209	575-013640-433	0001	1000	1000	05/07/2021	1.000	0.000
<input type="radio"/>	30111194	575-043960-433	0001	1000	1000	05/07/2021	1.000	0.000
<input checked="" type="radio"/>	30111199	575-800096-433	0001	1000	1000	05/07/2021	1.000	0.000
<input type="radio"/>	30096834	571-800096-433	0001	1000	1000	05/21/2021	1.000	0.000
<input type="radio"/>	30795724	570-003368-001	0001	1000	1000	06/09/2021	1.000	0.000

Figure 7-5 Make sure both numbers marked in red are matching when you select them.

- When the screen changes, press the button marked PROD ORD and press YES on the window that pops up. Wait a few moments for the system to complete the action and take you back to the original **ZR218** screen.

SAP

Components **Prod Order** Component List

Order Details

Planned Order: 0030111236

Material No: 575-013640-438 CONFIG,RF CART ASSY,FLEX HX PLUS

Planning Plant: 1000

Discrepant Component Report

Material	Material Description	Material Group	SLoc	Qty in unit of entry	Requirement Quantity	MS
660-210103-392	GEN,400KHZ,PULSED	PL	3150	1.000	0.000	
660-210105-351	GEN,60MHZ,PULSED	PC	3150	1.000	0.000	
660-260960-176	GEN,TES,PULSED,HR	PC	3150	1.000	0.000	
853-243882-011	ASSY,GEN CART	PC	3150	1.000	0.000	

Figure 7-6 The Prod Order is marked with red.

6. Delete the information on the lines marked PLANNED ORDER, CONTROL NUMBER, and BACKFLUSH TYPE.
7. Repeat steps 4 through 7 for all items, but make certain you are performing the actions in the order shown in Table 7-1. If there are any items that do not match with this table, consult with your supervisor.

When the last item is processed, your backflush has now been completed.

Appendix

Important T-codes:

- MD04 – Stock/Requirements List
 - Used to verify part inventory and expedite upcoming STOs.
- ZR269 – Bin Status Report
 - Used to check bins and find Counter numbers.
- ME27 – Create Purchase Order
 - Used to create new STOs.
- ZR101 – PO Status Report
 - Used to check on the status of reservations and create part entries.
- Z026 – Grouping ABAP 2
 - Used to generate new STOs for parts added to reservations.
- ZRWAVE01 – Wave Report of Manufacturing
 - Used to find the status of shipments to 1000 and to expedite freestock parts.
- MMBE – Stock Overview
 - Used to check part inventory across all Lam facilities.
- ZR261 – KANBAN Bin Scan
 - Used to RTS and log replacements for PL and PC parts.
- MB1B – Enter Transfer Posting
 - Used to mark parts for transfer between facilities.

- ZIPKPRINT – Storage location/Material due Labels
 - Used to print new production cards.
- ZR151 – Delete IPK Intransit table entry
 - Used for performing backflushes.
- ZR218 – Process Production Orders from a Sales Order
 - Used for performing backflushes.

Glossary

C

Control Cycle – A number referring to the bin a specific part is stored in. Used to create new shipments.

D

DHL – The logistics and courier company that is in charge of moving our parts between facilities.

F

F Parts – Freestock parts; things like screws and caps that are cheap to replace and are delivered in large quantities.

FCID – an identifying number that refers to a specific product currently being built.

H

Hot Orders – A division of Lam Research that is responsible for transferring parts between facilities to cover demands or to repair customer machines.

I

Inventory Control – A division of DHL that keeps inventory of warehouse 2000.

M

Manufacturing floor – The main production area of Lam facility 1000.

N

NCI – An identifying number that is used when a part has been damaged and is in need of a replacement.

P

Picking

PL / PC Parts

PN Parts

Purchase Order

Production Control

Production Line

PulseSecure

R

Receiving

Reservation

Resupply

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