

<b>Title:</b> Pre-Physical Inspection				
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Revision History Users of this document are required to verify that they are working with the appropriate revision and version.				
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FaST Division

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## 2. Purpose

The purpose of this procedure is to define the activity that is performed before starting the Customer acceptance phase.

## 3. Scope

This document covers the Fast Viking & Aleris tools.

## 4. Roles & Responsibilities

Customer Acceptance Engineering (CAE) is responsible for performing this procedure on all MFG tools, as required.

## 5. Reference Documents

- ETEL ENCODER TESTING PROCEDURE (P/N 0672256-xxx)
- Procedure, Labeling, SpectraShape 10K (P/N 0604063-xxx)
- Procedure, Labeling Aleris (P/N 0254277-xxx)
- PROC, GUIDE, CHUCK VAC CONF AND ROUTE (P/N 0983318-xxx)
- Signal Tower Validation procedure (Unreleased procedure)
- SQL Server POA for Timeout Issues
- CCL,SS11K (P/N 0818084-xxx)
- CCL LS11K (P/N 0789266-xxx)
- CCL,LS12K (P/N 0833119-xxx)
- CCL,SS12K\_i (P/N 1004316-xxx)
- CCL,SS11K-HBW (P/N 1042848-xxx)
- PROC, Pre-Physical Training (MFG Training Portal)

## 6. Definitions

### 6.1. Abbreviations, Acronyms

AC	—	Alternating Current
BBSE	—	Broadband Spectroscopic Ellipsometer
CA	—	Certificate Authority
CAE	—	Customer Acceptance Engineering
DL	—	Distribution List
Eq	—	eQuality
FI	—	Final Integration
FOUP	—	Front Opening Universal Pod
FOV	—	Field Of View
IPA	—	Isopropyl Alcohol
LDSR	—	Laser-Driven Spectroscopic Reflectometer
LoTo	—	Lockout/Tagout
MSDS	—	Material Safety Data Sheet
N/A	—	Not Applicable/Not Available
NC	—	Non-Conformance
OPCON	—	Operator Control
OTS	—	On-Time Shipment
P/N or PN	—	Part Number
PCB	—	Printed Circuit Board
POC	—	Point Of Contact
PPE	—	Personal Protective Equipment
RDM	—	Recipe Database Manager / Management
RF	—	Radio Frequency
RPRC	—	Rotating Polarizer, Rotating Compensator (spectroscopic ellipsometer feature that supports Mueller Matrix optical characterization)
SE	—	Spectroscopic Ellipsometer / Ellipsometry; or Secondary Electrons (e-beam); or Single Exposure (lithography scanning)

SN	-	Serial Number
SV	-	Supervisor
SWE	-	Single Wavelength Ellipsometry
TEC	-	Thermoelectric Cooler
TSMC	-	Taiwan Semiconductor Manufacturing Company
UI	-	User Interface
UTID	-	Universally Traceable Identifier
VAC/VA	-	Volts Alternating Current
VDC/VD	-	Volts Direct Current
WITC	-	Wafer Inspection Time Control
XMSE	-	eXtreme Multi-angle Spectroscopic Ellipsometer

## 6.2. Conventions used in this Manual

IND. (0,1,2)	-	Screen text to type
Open	-	Screen text to read or click.
<Enter>	-	Physical keys on the keyboard

## 6.3. Symbols



### **Tip!**

Indicates information aimed to provide alternate (and sometimes faster) methods to get to the process or step just documented.



### **Note:**

Indicates additional information, which is helpful, but not critical to the operation of the equipment.



### **Important!**

Indicates information that may be critical to an operation being performed, or to a specific version of a product. Important information is not safety-related to the equipment or personnel.



### **Caution!**

Indicates that the equipment or environment can be damaged, or data can be corrupted.



**Warning!**

Indicates a potentially hazardous situation, which, if not avoided, could result in injury or death.



**Danger!**

Indicates an immediate hazardous situation, which, if not avoided, will result in serious injury or death. This warning symbol is limited to extreme situations.

## 7. Records and Metrics

N/A

## 8. Requirements

N/A

## 9. Equipment

The following equipment and materials are required for this procedure:

No.	Name	PN	Qty
1	KIT, SAFETY LABELING, COMMON, FAST	0749447-00x	1
2	KIT, ALERIS, SF LABELING, SIMPL CHNS/ENG (If labelling is required in a foreign language)	0567547-00x	1
3	KIT, SHELBY, SF LABELING, SIMPL CHNS/ENG (If labelling is required in a foreign language)	0567548-00x	1
4	Signal Tower Validation procedure	Unreleased procedure	1
5	CCL,SS11K	0818084-xxx	1
6	CCL LS11K	0789266-xxx	1
7	CCL,LS12K	0833119-xxx	1
8	CCL,SS12K i	1004316-xxx	1
9	CCL,SS11K-HBW	1042848-xxx	1
10	PROC, GUIDE, CHUCK VAC CONF AND ROUTE	0983318-xxx	1
11	PROC, Pre-Physical Training	MFG Training Portal	1

## 10. Safety

Refer to Working Cleanroom Standards.

## 11. Regulatory

Identify any regulatory requirements which must be complied with when completing the procedure/work instruction.

## 12. General

Perform all the steps in this procedure. Take note that any failed test must be reflected in the appropriate item in the report

## 13. Initial Steps

As a utility, for the below task, use the below links:

- [“Open Database Folder”](#)
- [“Offline Details”](#)

1. Under the applicable FaST Database folder, create a folder, named as follows:

- Last four digits of the UTID (for example, UTID = **7272757**)
- Tool Model (for example, Aleris = **8350**)
- Customer Name (for example, **Samsung**)

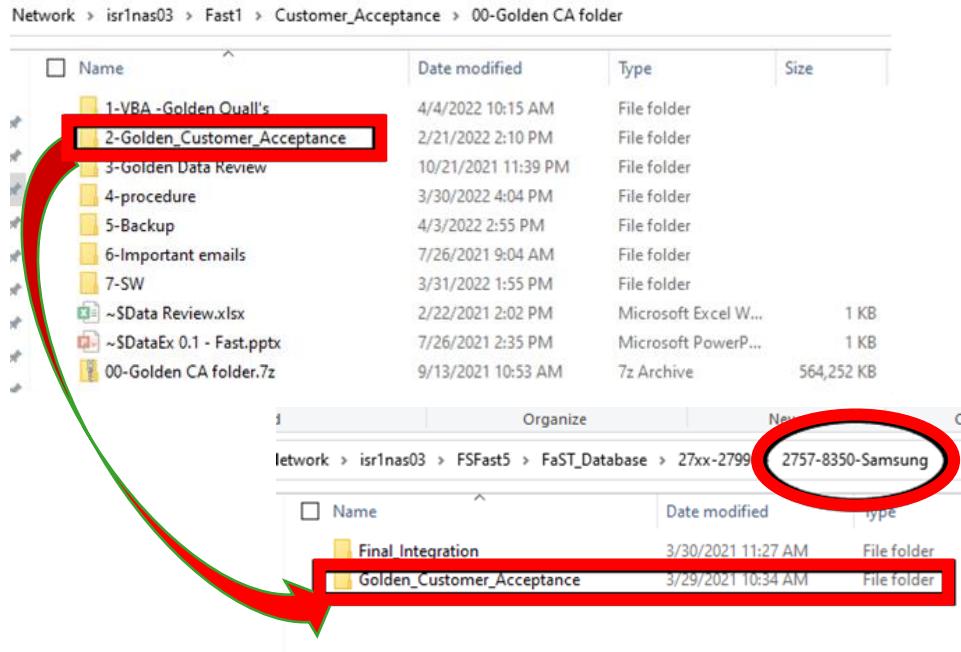
[UTID]–[Model]–[Customer]

In this example, create a folder named as follows, under the marked folder.

2757-Aleris8350-Samsung

work > isrlnas03 > FSFast5 > FaST_Database			
Name	Date modified	Type	
\$RECYCLE.BIN	9/8/2019 12:16 PM	File folder	
1- Data for TQ on SS11k	4/20/2022 4:30 PM	File folder	
12K template	3/25/2022 9:29 AM	File folder	
14xx-1499	2/14/2022 7:59 AM	File folder	
16xx-1699	4/16/2020 8:43 AM	File folder	
17xx-1799	4/16/2020 8:43 AM	File folder	
18xx-1899	8/4/2020 1:00 AM	File folder	
19xx-1999	12/5/2021 12:21 PM	File folder	
20xx-2099	10/5/2020 10:33 PM	File folder	
21xx-2199	11/16/2020 9:22 AM	File folder	
22xx-2299	4/16/2020 9:55 AM	File folder	
23xx-2399	4/28/2022 10:09 PM	File folder	
24xx-2499	6/17/2020 11:20 AM	File folder	
25xx-2599	4/28/2022 9:29 PM	File folder	
26xx-2699	9/3/2021 9:05 AM	File folder	
27xx-2799	12/15/2021 3:27 PM	File folder	
28xx-2899	2/7/2022 2:29 PM	File folder	
29xx-2999	2/1/2022 3:49 PM	File folder	
30xx-3099	5/2/2022 6:09 PM	File folder	
31xx-3199	5/6/2022 8:16 AM	File folder	

2. Into the folder in the following link, copy the **Golden\_Customer\_Acceptance** folder; then, under the copied folder, create the **Pre-Physical** folder.



[\\isr1nas03\Fast1\Customer\\_Acceptance\00-Golden CA folder](\\isr1nas03\Fast1\Customer_Acceptance\00-Golden CA folder)

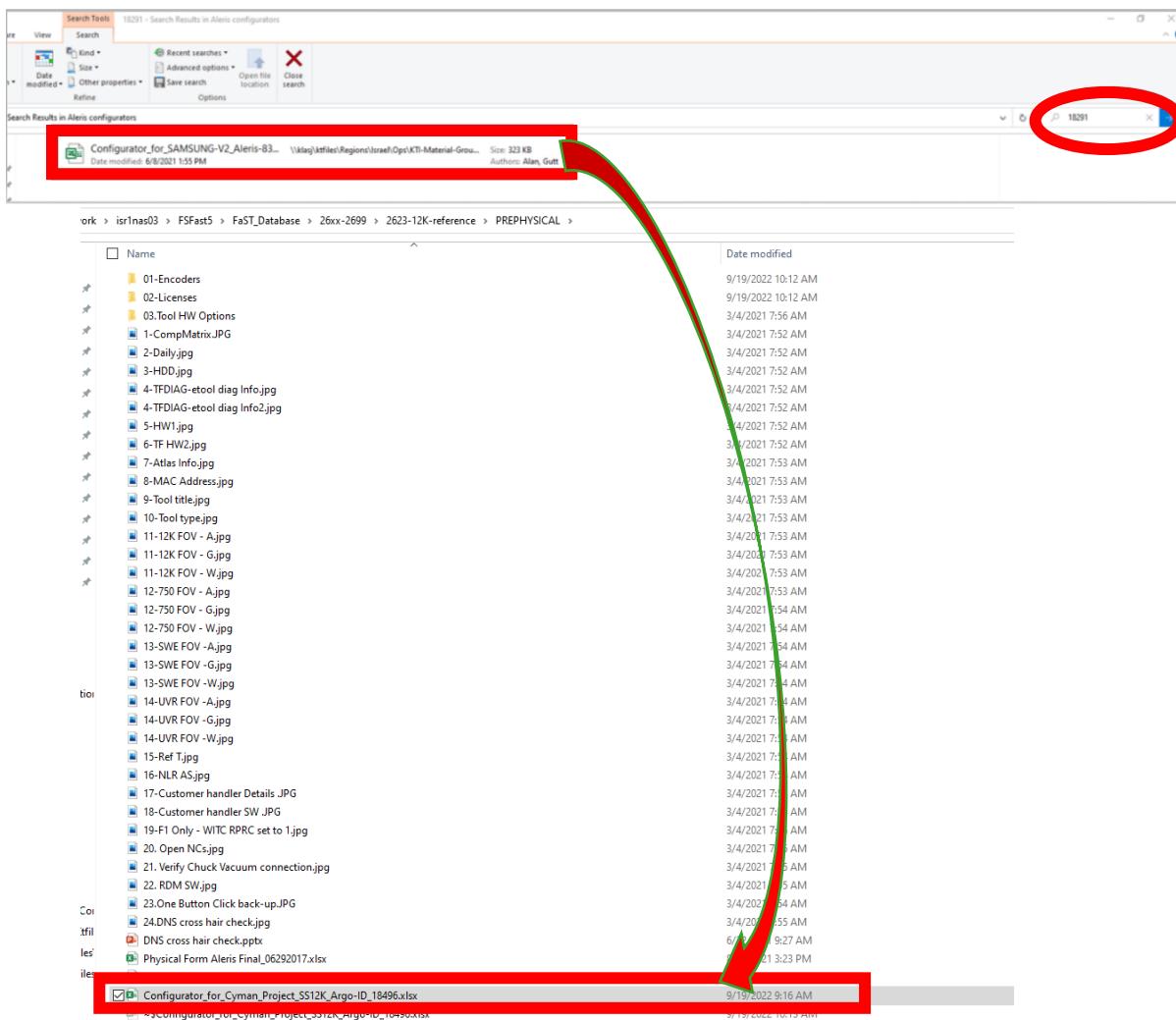
3. In the Daily app File type, the UTID; then, record the **Argo ID**.

Argo ID	Flex 01	Slot UTID	Sales Order	Fab Name	Forecast ID	Drop Ship	Risk OTD Level	Reason	Tier Level	WLR/FD	BBSE	UVR	SWE	ID New Advanced	Chucks	T-Stage	Progress	Dep	MFG Material Readiness	Int. Ops Date
55002	F1	7274299	154765	PICOSUN OY	4190048	Yes	Low		T0		XMS	LDSR	SWE-EP	SSID	Ceramic chuck - 0299903-000		70%	CA	09/11/25	11/02/25

4. Select the row; then, save it under the **Pre-Physical** folder as a graphic file named **2-daily.jpg** in the DB folder (see Step **Error! Reference source not found.** on page **Error! Bookmark not defined.**). Ensure that the Daily picture includes the tabs from **Argo ID** to **Internal Ops Ship Readiness Date**.

5. Under the folder in the link below, search for the recorded **Argo ID**; then, copy the located file into the **Pre-Physical** folder created in Step 2.

[\\klasj\ktfiles\Regions\Israel\Ops\KTI-Material-Group\Master\\_Planning\\_Group\Configuration\Fast configurators\Aleris configurators](\\klasj\ktfiles\Regions\Israel\Ops\KTI-Material-Group\Master_Planning_Group\Configuration\Fast configurators\Aleris configurators)



6. Open the Configuration in C-Point; then, locate and record the tool's CFS number.

**Sales order / Quotes order and Details**

**Order No:** 0000158659

**Build Product :** SPECTRA SHAPE 12K

**Sales Order :** 158659

**Handler Drop Ship :** No

**Flex01 :** SS12K

**Flex04 :**

**Tool SW :** CFS\_8.20.30.28073 (highlighted with a red box)

**Server SW :**

**Purchase Order :** 5000003728

7. Go to [\\isr1nas03\Fast1\Customer\\_Acceptance\02 - Aleris\SW](\\isr1nas03\Fast1\Customer_Acceptance\02 - Aleris\SW) and open the Compatibility file.
8. Locate the CFS number (**8.20.30.28073** in this example); then, select the row and save it under the **Pre-Physical** folder as file **1-CompMatrix.jpg** in the DB folder (see Step **Error! Reference source not found.** on page **Error! Bookmark not defined.**).

Network > isr1nas03 > Fast1 > Customer\_Acceptance > 02 - Aleris > SW

Name	Date modified	Type	Size
~\$Shipped_tools1.xlsx	6/28/2021 11:23 AM	Microsoft Excel W...	1 KB
~\$SW issues - status - Jun 8.xlsx	6/8/2017 10:10 AM	Microsoft Excel W...	1 KB
~\$SW issues - status - May 8.xlsx	5/11/2017 9:01 AM	Microsoft Excel W...	1 KB
~\$SW issues - status - May 16.xlsx	5/16/2017 11:13 AM	Microsoft Excel W...	1 KB
~\$SW issues - status.xlsx	5/8/2017 9:02 AM	Microsoft Excel W...	1 KB
~\$SW issues -Daily status 18 Jun.xlsx	6/21/2017 9:33 AM	Microsoft Excel W...	1 KB
~\$SW issues -Daily status 28 Jun.xlsx	6/28/2017 8:29 AM	Microsoft Excel W...	1 KB
~\$SW issues -Daily status.xlsx	6/14/2017 10:10 AM	Microsoft Excel W...	1 KB
~\$SW status - Fleet Tools - CR - Apr 4...	4/11/2017 8:32 PM	Microsoft Excel W...	1 KB
~\$SW status - Fleet Tools - CR - Apr 19...	4/19/2017 4:00 PM	Microsoft Excel W...	1 KB
~\$SW status - Fleet Tools - CR - Apr 20...	4/20/2017 1:52 PM	Microsoft Excel W...	1 KB
~\$SW status - Fleet Tools - CR - Dec 2...	12/29/2016 10:10 AM	Microsoft Excel W...	1 KB
~\$SW status - Fleet Tools - CR - Feb 1...	2/2/2017 1:40 PM	Microsoft Excel W...	1 KB
~\$SW status - Fleet Tools - CR - Feb 9...	2/9/2017 3:17 PM	Microsoft Excel W...	1 KB
~\$SW status - Fleet Tools - CR - Feb 14...	2/14/2017 8:54 AM	Microsoft Excel W...	1 KB
~\$SW status - Fleet Tools - CR - Feb 15...	2/15/2017 10:19 AM	Microsoft Excel W...	1 KB
~\$SW status - Fleet Tools - CR - Jan 15...	1/17/2017 9:13 AM	Microsoft Excel W...	1 KB
~\$SW status - Fleet Tools - CR - Jan 19...	1/22/2017 2:25 PM	Microsoft Excel W...	1 KB
~\$SW status - Fleet Tools - CR - Mar 8...	3/8/2017 3:08 PM	Microsoft Excel W...	1 KB
~\$SW status - Fleet Tools - CR - May 8...	5/11/2017 1:50 PM	Microsoft Excel W...	1 KB
~\$SW status - Fleet Tools - CR - May 1...	5/10/2017 3:50 PM	Microsoft Excel W...	1 KB
~\$SW status - Fleet Tools - CR - May 1...	5/16/2017 10:32 AM	Microsoft Excel W...	1 KB
~\$SW status - Fleet Tools - CR - May 2...	5/25/2017 9:35 AM	Microsoft Excel W...	1 KB
~\$SW status - Fleet Tools - CR - May 2...	5/28/2017 11:19 AM	Microsoft Excel W...	1 KB
~\$SW status - Fleet Tools - CR.xlsx	12/5/2016 8:15 AM	Microsoft Excel W...	1 KB
~\$SW status - Fleet Tools - CR_.xlsx	12/25/2016 10:17 AM	Microsoft Excel W...	1 KB
~\$SW Weekly Report.xlsx	7/18/2017 4:33 PM	Microsoft Excel W...	1 KB
~\$Tools in Clean Rooms with SW.xlsx	11/27/2016 1:17 PM	Microsoft Excel W...	1 KB
Compatibility_Matrix_19-Jan.xlsx	1/30/2022 9:07 AM	Microsoft Excel W...	57 KB
ListApps.zip	12/2/2018 10:09 PM	zip Archive	N/A
MOXA Ports mismatch.docx	12/17/2018 12:31 PM	Microsoft Word D...	1.165

CFS	Comments / Date Mod	PC	Tool Type	Tool Name - Per Configuration	RDM	Custom	Acushape	FTML	TFDiag	TFDiag using for	Phoenix handles	MEC FW / RzM	sMCB FW NIOS / FPGA
6.40.31.11203 Win 7_x64	V5.5	Aleris 83505	Aleris 83505	Samsung	-	-	-	6.04.06	3.75.29	For Win7 PC: 32.7.1.20300 + 301HF + 303HE Handler FW 1.1.1.20202 For Win XP: 12.7.5.20100	7.42.40	3.3.2	

## 14. Handler Software

[As a utility, for the below task, click here and use the video “Handler Verification”](#)

1. Open the Handler Tracker, by locating it in the following link:

[\\klasj\ktfiles\Regions\Israel\Ops\KTI-Material-Group\Master\\_Planning\\_Group\Configuration\Handlers\\_Tracking](\\klasj\ktfiles\Regions\Israel\Ops\KTI-Material-Group\Master_Planning_Group\Configuration\Handlers_Tracking)



**Note:**

Make sure that you are opening the newest version of FaST in the link.

Name	Date modified	Type	Size
OMD Updated.xlsx	5/9/2022 2:32 PM	Microsoft Excel W...	2,736 KB
~\$OMD Updated.xlsx	5/9/2022 9:48 AM	Microsoft Excel W...	1 KB
main.py	5/9/2022 9:36 AM	PY File	8 KB
OMD PSG Handler - 8.5.22.xlsx	5/9/2022 9:30 AM	Microsoft Excel W...	2,504 KB
FaST PSG Handler - 8.5.22.xlsx	5/9/2022 9:27 AM	Microsoft Excel W...	4,495 KB
~\$FaST PSG Handler - 8.5.22.xlsx	5/9/2022 9:24 PM	Microsoft Excel W...	1 KB

2. Locate the latest version of the FaST division using the ARGO ID in column A; then, locate the H000xxxx serial number – save the row as file  
**17-Customer Handler Details.jpg**.

Argo ID	SN	Handler P/N	Handler Description	STD #	SD	FID	Build Product	Customer	QTR
18288	H000264506	218782-000	PHX T2.0	21399159	109774	4089584	ALERIS B350	SAMSUNG P2F	Q2-2021

3. Open eQuality.
  - a. From the browser, open <https://eq.kla.com/eQualityWeb/index.html#/login>
  - b. Enter your Username and Password.
  - c. Click on the three stripes icon (upper left corner) and choose Traveler.
4. Verify that the ASO icon is displayed – this means that the ASO division has been selected.

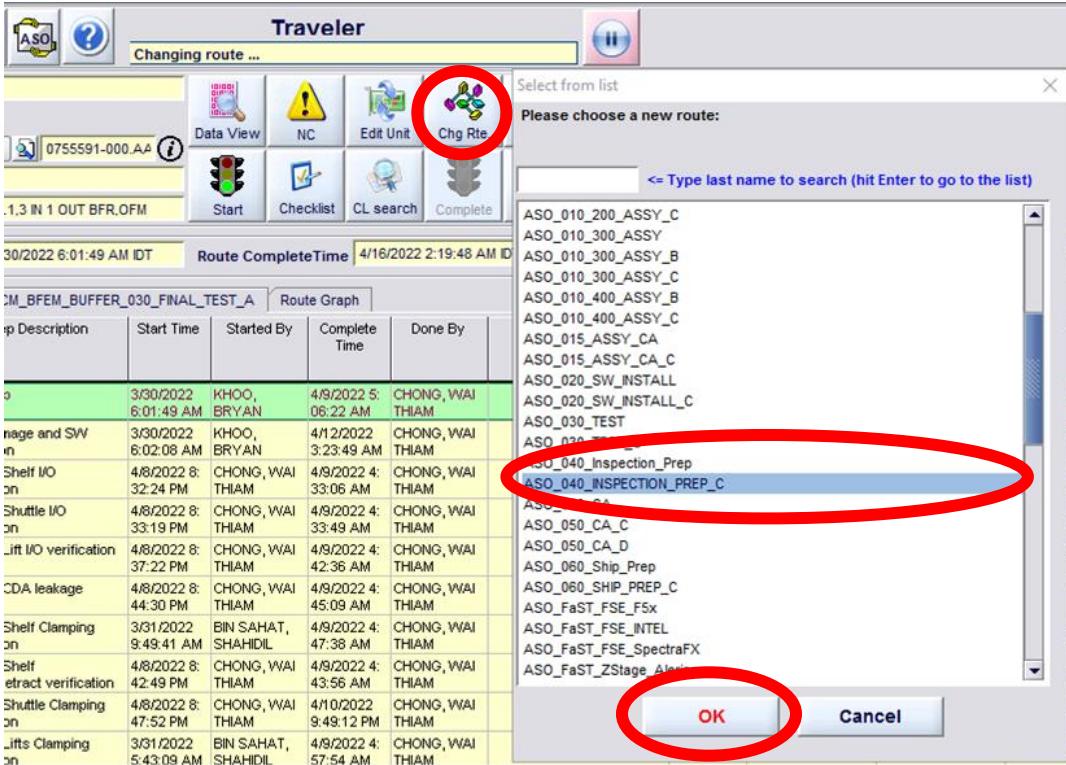
**Note:**

If the route hasn't started yet, open an NC for this issue and mention it in the final report.

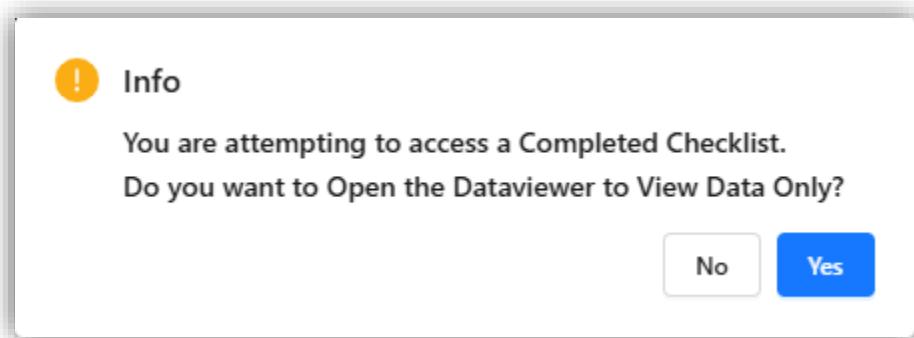
The screenshot shows the KLA Traveler software interface. At the top, there's a toolbar with various icons. Two specific icons are circled in red: the 'ASO' icon (a green square with a white 'ASO' logo) and the 'Chg Rte' icon (a blue circle with a white gear and wrench icon). Below the toolbar is a table listing routes. One row is highlighted in yellow, showing details like route ID (0755591-000 AA), start time (30/2022 6:01:49 AM), and completion time (4/16/2022 2:19:48 AM). To the right of the table, a 'Select from list' dialog box is open. It contains a search bar with the placeholder 'Please choose a new route:' and a list of route names. The route 'ASO\_040\_INSPECTION\_PREP\_C' is highlighted with a blue selection bar. At the bottom of the dialog box are 'OK' and 'Cancel' buttons.

Route Description	Start Time	Started By	Complete Time	Done By
image and SW on	3/30/2022 6:01:49 AM	KHOO, BRYAN	4/9/2022 5:06:22 AM	CHONG, WAI THIAM
Shuttle I/O on	3/30/2022 6:02:08 AM	KHOO, BRYAN	4/12/2022 3:23:49 AM	CHONG, WAI THIAM
Lift I/O verification	4/8/2022 8:32:24 PM	CHONG, WAI THIAM	4/9/2022 4:33:06 AM	CHONG, WAI THIAM
CDA leakage	4/8/2022 8:37:22 PM	CHONG, WAI THIAM	4/9/2022 4:42:36 AM	CHONG, WAI THIAM
Shelf Clamping on	3/31/2022 9:49:41 AM	BIN SAHAT, SHAHIDIL	4/9/2022 4:45:09 AM	CHONG, WAI THIAM
Lifts Clamping on	4/8/2022 8:42:49 PM	CHONG, WAI THIAM	4/9/2022 4:43:56 AM	CHONG, WAI THIAM
Shuttle Clamping on	4/8/2022 8:47:52 PM	CHONG, WAI THIAM	4/10/2022 9:49:12 PM	CHONG, WAI THIAM
Lifts Clamping on	3/31/2022 5:43:09 AM	BIN SAHAT, SHAHIDIL	4/9/2022 5:57:54 AM	CHONG, WAI THIAM

5. In the Serial number field, type the handler's SN.
6. Click the **Chg Rte** button; then, from the list, double-click **ASO\_040\_INSPECTION\_PREP\_C** (or select and click **OK**).



7. Select the **View data ONLY** option and click **YES**.



8. In line 27, check the Data value and compare it to the COMP MATRIX row, configuration and Handler Details picture.

Save a screenshot of the row as file **18-Customer Handler SW.jpg** (see Step **Error! Reference source not found.** on page **Error! Bookmark not defined.**).

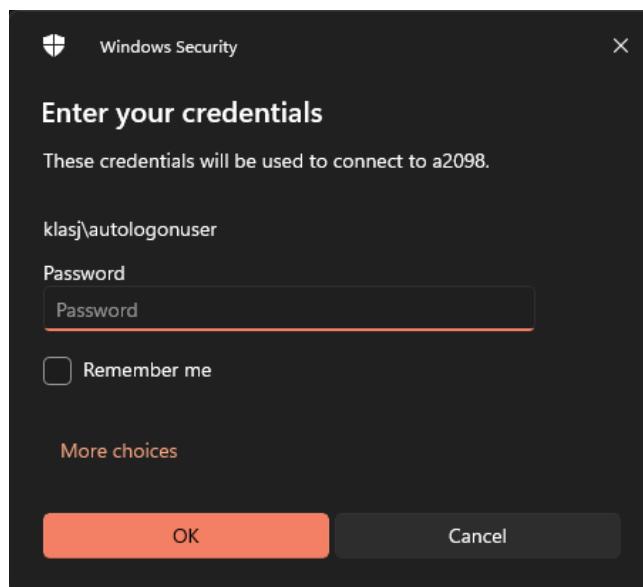
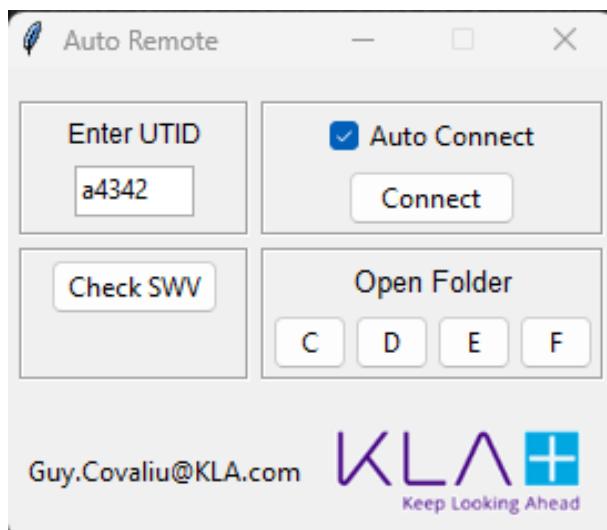
#	Step description	Data value	Result	N
10	Verify all system components free	PASS		
11	Verify all cables are properly	PASS		
12	Verify all cables are properly routed	PASS		
13	Verify Dual FFU fan speed is set to*	PASS		
14	Verify casters rotate freely and	PASS		
15	Verify all panels are mounted	PASS		
16	Verify all hardware on panels is	PASS		
17	Install the following: caster covers,	PASS		
18	Verify air fitting is installed and	PASS		
19	Check Isoport thumbscrews are	NA		
20	Verify cable 0078134-XXX and	NA		
21	Verify cables 0078134-XXX,	PASS		
22	Verify TDK loadports comm and	NA		
23	Install all safety and serial labels per	PASS		
24	Install purple stripe & KT logo per	PASS		
25	Refrun all leftover parts to check if	PASS		
26	Install interlock brackets and start	PASS		
27	Enter & verify FEC SW per SW	6 V12.5.4.22001 + 002 HF + 003 HF + 006 HF	PASS	
28	Install Trend Micro Office Scan		PA	
29	Attach anti virus scan result & sw version		PASS	
30	Uninstall Trend Micro Office Scan		PASS	
31	Install Malware bytes scan		PASS	
32	Attach scan result & sw version	2	PASS	
33	Uninstall Malware bytes scan		PASS	
34	For intel alert handler 0218805-		PASS	

## 15. Connection to the tool

1. Open the Auto remote app, type the desired UTID (AXXXX) and connect to tool using:

Username: autologonuser

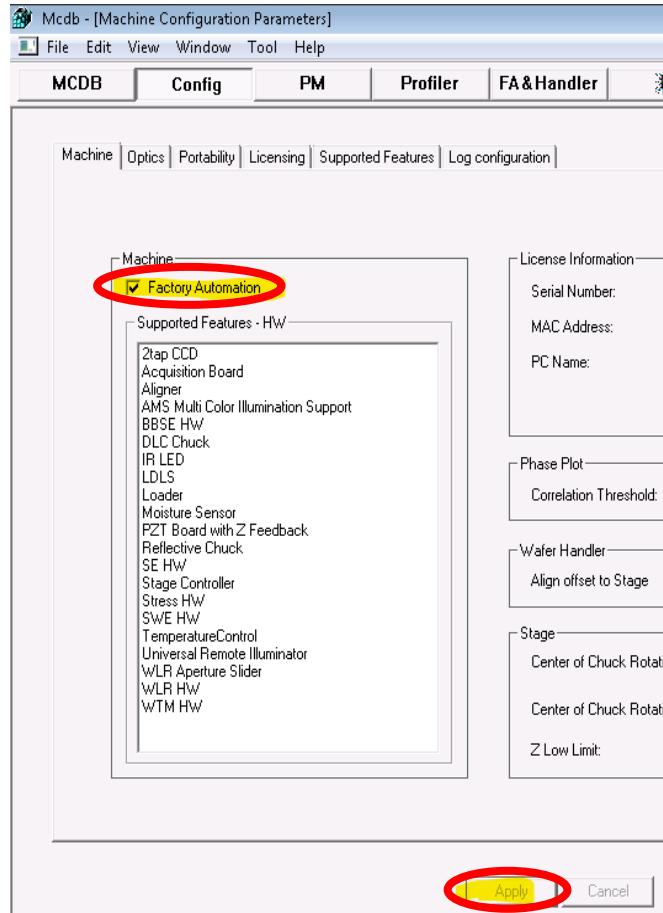
Password: Columbia03



## 16. Factory Automation Verification

[As a utility, for the below task, click here and use the video “FA UI”](#)

1. Enable **Factory Automation** in the MCDB.
  - a. Go to Config → Machine; then, select Factory Automation.
  - b. Click **Apply**; save, then close MCDB.



-Run “killall” command. Wait until process is over. Then, boot-up the Machine app.

\* While waiting for tool to boot-up, proceed to next steps.

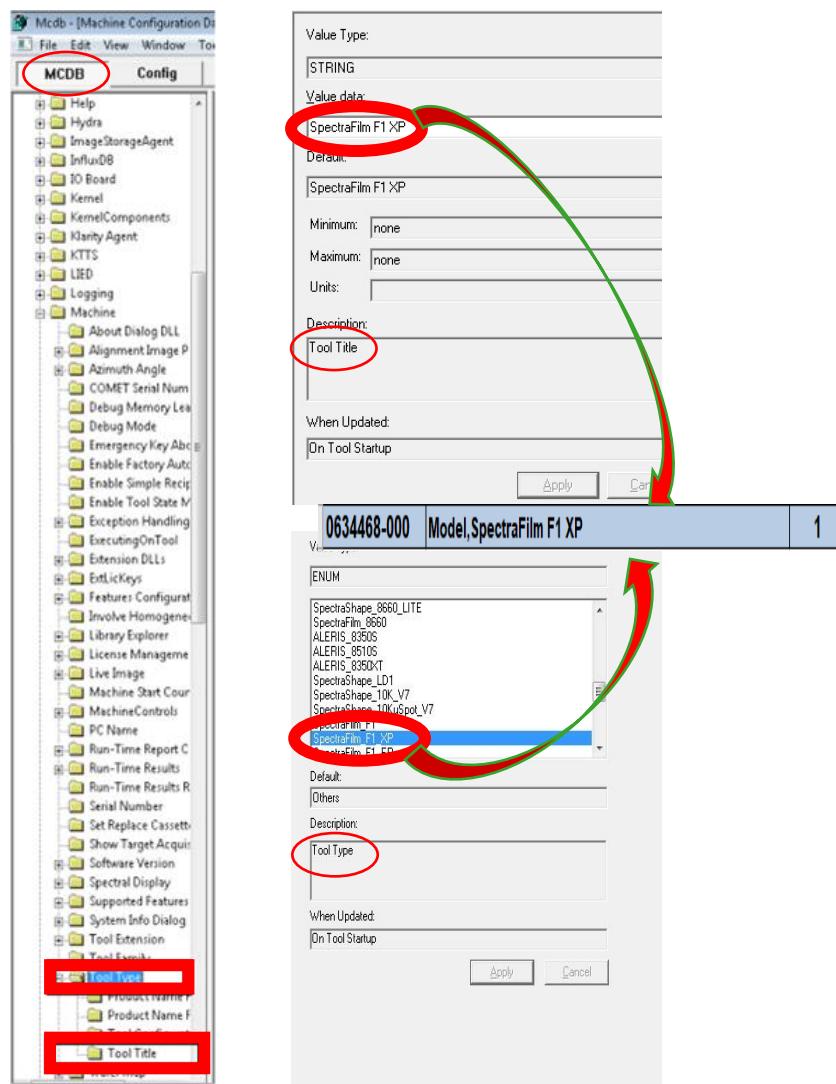
## 17. Software Verification

[As a utility, for the below task, click here and use the video “MCDB\\_Details”](#)

1. Verify that the 5300 Headers in Tool Title and Tool Type are identical.
  - a. From the 5300 Header, press <Ctrl>+<F> and search for each tool title and tool type; then, capture a screenshot for each of them.

Tool Title – save as file **9-Tool title.jpg**

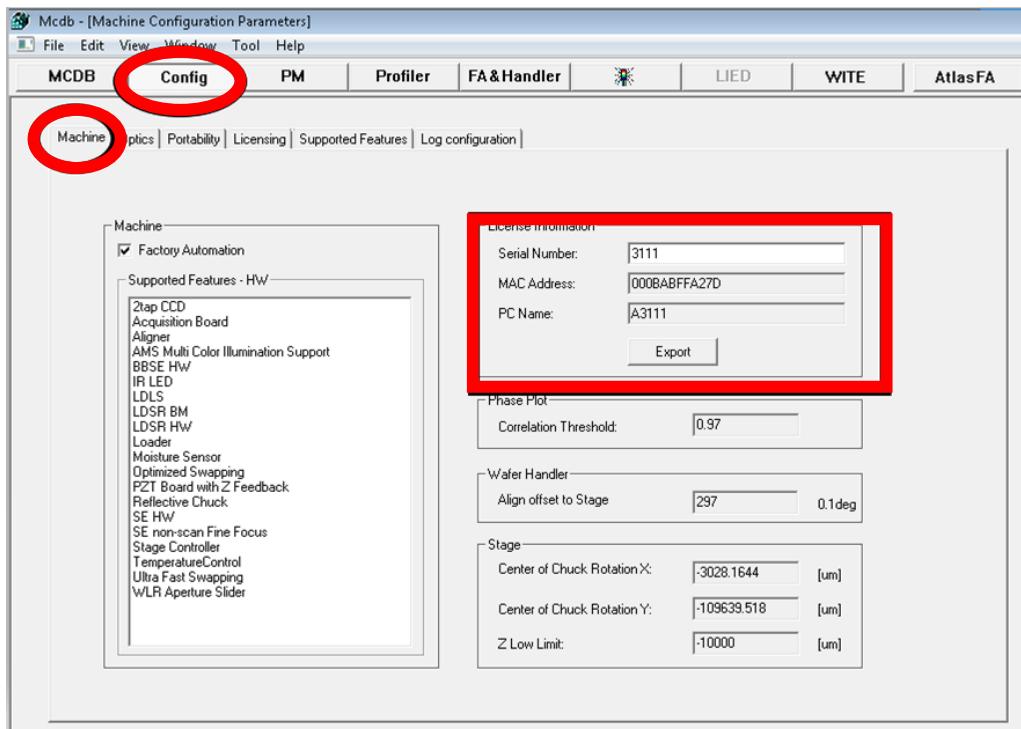
Tool type – save as file **10-Tool type.jpg**



## 18. MAC Address

[As a utility, for the below task, click here and use the video “MCDB\\_ Details”](#)

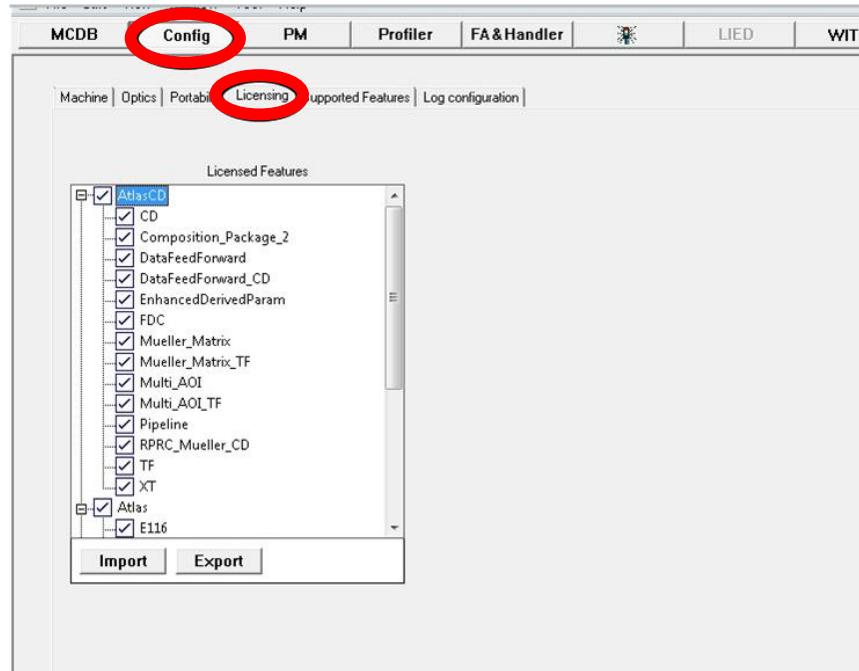
1. In the Machine Configuration app (MCDB), under the **Config** tab, select **Machine**; then, check that the value in the **Serial Number** field matches the tools UTID.
2. Capture the license information under MAC Address as file **8-MAC address.jpg** in the DB folder (see Step **Error! Reference source not found.** on page **Error! Bookmark not defined.**).



## 19. Licenses Validation

[As a utility, for the below task, click here and use the video “MCDB\\_Details”](#)

1. In the Licensing tab of the **Config** menu, select the **Licensing** page.



2. On each one of the Licensed Features (above), verify that the license number matches the one that appears in C-Point.

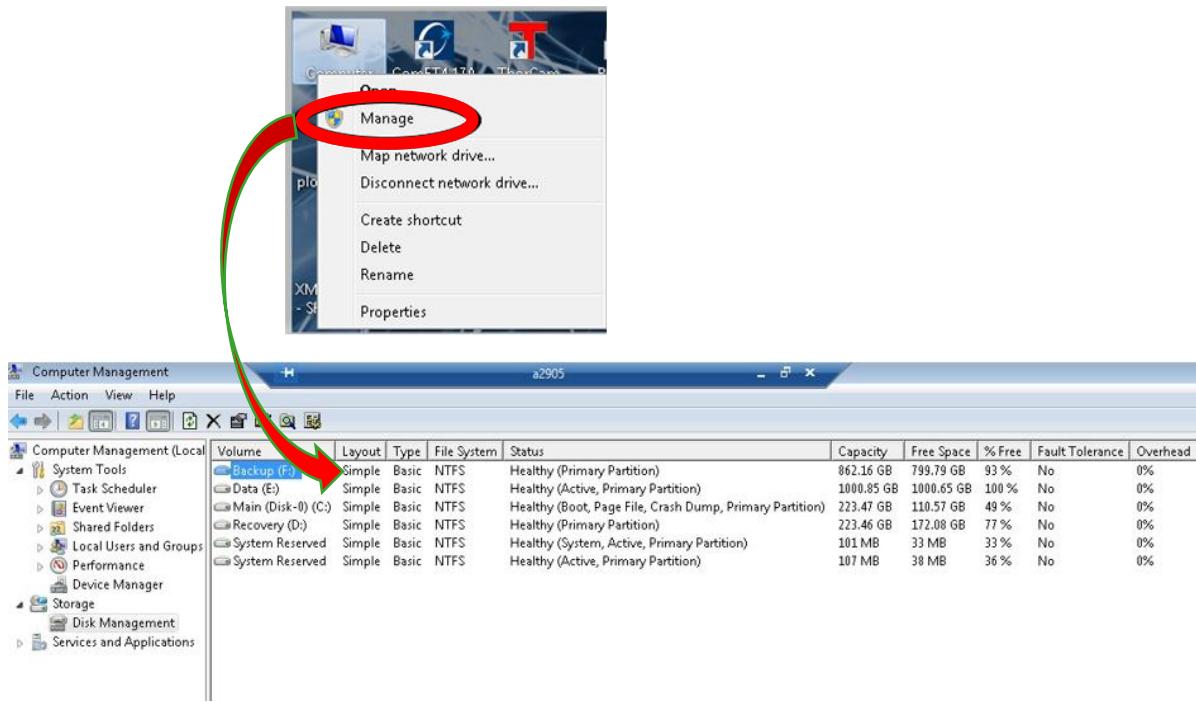
Tool License & SW (16)

Item	Material	Description	Quantity
70	0358673-000	FAILURE DETECTION & CLASSIFICATION SW	1
80	0673085-000	SPECIAL FDC SW	1
310	0611714-000	E84 ERROR RECOVERY RETRY/COMPLETE	1
320	0612293-000	E84 REAL TIME SIGNAL DISPLAY LICENSE	1
450	0730716-000	LICENSE.ATLASCD_VT	1
10.02	0798281-000	LICENSE CONFIG PACKAGE,SS12K	1
10.09	0722905-000	LICENSE CONFIG PACKAGE,FMA OPTION,SS11K	1
10.11	0723263-000	LICENSE CONFIG PACKAGE,DFF OPTION,SS11K	1

## 20. HDD

[As a utility, for the below task, click here and use the video “HDD verification”](#)

1. Right-click the Computer icon on the Desktop; then, from the list, select **Manage**.



Select **Disk Management**; then, verify that there is enough space in tool disks (10% and up). Save a screenshot as file **3-HDD.jpg**.

## 21. Windows Activation



**Note:**

Applicable only for **Windows 10 Enterprise**.

1. Verify that the Windows OS on the tool has been Activated.
  - a. Right click **This PC**; then, from the drop-down list, select **Properties**.
  - b. Select **Change product key** and wait until Windows is activated.
2. If the tool is running with Windows10 Enterprise OS, use the following key:  
**XHXWY-FMNVB-YVMC6-PC9BX-BKQCB**.
3. After activation, save a screenshot of the properties window as file  
**28. Windows Activation.jpg**.

## 22. SQL Validation (Available only for W10 tools)

**Note:**

This Section is only available for W10 tools.

1. Follow the attached procedure – [SQL Server POA for Timeout Issues](#).
2. Capture the screen of the “Server Properties”.

The screenshot shows the 'Server Properties' dialog box for the 'ENG2\ATLAS' instance. The left pane lists navigation options: General, Memory, Processors, Security, Connections, Database Settings, Advanced, and Permissions. The right pane displays server properties in a grid. The 'Version' row is selected and highlighted with a yellow background. The 'Version' column contains the value '14.0.3456.2'. Other properties listed include Name (ENG2\ATLAS), Product (Microsoft SQL Server Enterprise (64-bit)), Operating System (Windows 10 Pro (10.0)), Platform (Windows), Language (English (United States)), Memory (130724 MB), Processors (32), Root Directory (C:\Program Files\Microsoft SQL Server\MSSQL14\_), Server Collation (SQL\_Latin1\_General\_CI\_AS), Is Clustered (False), Is HADR Enabled (False), and Is XTP Supported (True). Below the grid, the 'Connection' section shows the server as 'ENG2\ATLAS' and the connection as 'ENG2\Autologonuser'. A 'View connection properties' link is present. The 'Progress' section indicates the task is 'Ready'. A warning message at the bottom states: 'Changes to server properties and settings may affect the performance, security, and availability of this SQL Server instance. Before making any such changes, consult the product documentation.' Buttons for 'OK' and 'Cancel' are at the bottom right.

## 23. Computer V5.6 Availability



- Check if the PC OS version is V5.6.
- Note:** Applicable only for **Windows 10** environment.

1. In the applicable row of the COMPATABILITY MATRIX, check that column C (PC) contains the correct computer version.

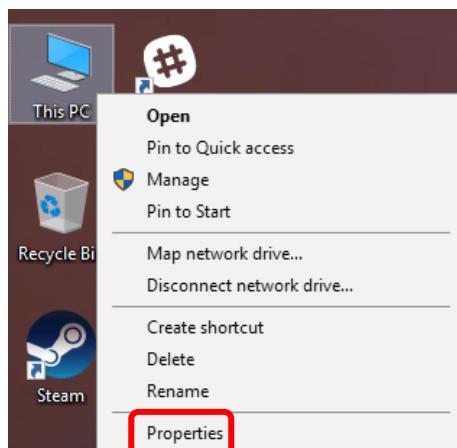
Network > isr1nas03 > Fast1 > Customer\_Acceptance > 02-Aleris > SW

Name	Date modified	Type	Size
~\$Shipped_tools.xlsx	6/28/2017 11:23 AM	Microsoft Excel W...	1 KB
~\$SW issues - status - Jun 8.xlsx	6/8/2017 10:10 AM	Microsoft Excel W...	1 KB
~\$SW issues - status - May 8.xlsx	5/1/2017 9:01 AM	Microsoft Excel W...	1 KB
~\$SW issues - status - May 16.xlsx	5/16/2017 11:13 AM	Microsoft Excel W...	1 KB
~\$SW issues - status.xlsx	5/8/2017 9:02 AM	Microsoft Excel W...	1 KB
~\$SW issues - Daily status 18 Jun.xlsx	6/21/2017 9:33 AM	Microsoft Excel W...	1 KB
~\$SW issues - Daily status 28 Jun.xlsx	6/28/2017 8:29 AM	Microsoft Excel W...	1 KB
~\$SW issues - Daily status.xlsx	6/14/2017 10:10 AM	Microsoft Excel W...	1 KB
~\$SW status - Fleet Tools - CR - Apr 4...	4/11/2017 8:32 PM	Microsoft Excel W...	1 KB
~\$SW status - Fleet Tools - CR - Apr 19...	4/19/2017 4:00 PM	Microsoft Excel W...	1 KB
~\$SW status - Fleet Tools - CR - Apr 20...	4/23/2017 1:52 PM	Microsoft Excel W...	1 KB
~\$SW status - Fleet Tools - CR - Dec 2...	12/29/2016 10:10 AM	Microsoft Excel W...	1 KB
~\$SW status - Fleet Tools - CR - Feb 1...	2/2/2017 1:40 PM	Microsoft Excel W...	1 KB
~\$SW status - Fleet Tools - CR - Feb 9...	2/9/2017 3:17 PM	Microsoft Excel W...	1 KB
~\$SW status - Fleet Tools - CR - Feb 14...	2/14/2017 8:54 AM	Microsoft Excel W...	1 KB
~\$SW status - Fleet Tools - CR - Feb 15...	2/15/2017 10:19 AM	Microsoft Excel W...	1 KB
~\$SW status - Fleet Tools - CR - Jan 15...	1/17/2017 9:13 AM	Microsoft Excel W...	1 KB
~\$SW status - Fleet Tools - CR - Jan 19...	1/22/2017 2:25 PM	Microsoft Excel W...	1 KB
~\$SW status - Fleet Tools - CR - Mar 8...	3/8/2017 3:00 PM	Microsoft Excel W...	1 KB
~\$SW status - Fleet Tools - CR - May 8...	5/11/2017 1:50 PM	Microsoft Excel W...	1 KB
~\$SW status - Fleet Tools - CR - May 1...	5/10/2017 3:50 PM	Microsoft Excel W...	1 KB
~\$SW status - Fleet Tools - CR - May 1...	5/16/2017 10:32 AM	Microsoft Excel W...	1 KB
~\$SW status - Fleet Tools - CR - May 2...	5/25/2017 9:35 AM	Microsoft Excel W...	1 KB
~\$SW status - Fleet Tools - CR - May 2...	5/28/2017 11:19 AM	Microsoft Excel W...	1 KB
~\$SW status - Fleet Tools - CR.xlsx	12/3/2016 8:15 AM	Microsoft Excel W...	1 KB
~\$SW status - Fleet Tools - CR.xlsx	12/25/2016 10:17 AM	Microsoft Excel W...	1 KB
~\$SW Weekly Report.xlsx	7/18/2017 4:33 PM	Microsoft Excel W...	1 KB
~\$Windows Clean Room with CR.xlsx	11/29/2016 5:19 PM	Microsoft Excel W...	1 KB
Compatibility_Matrix_19-Jan.xlsx	1/30/2017 9:07 AM	Microsoft Excel W...	57 KB
listapps.zip	1/26/2018 9:59 PM	zip archive	105 KB
MOXA Ports mismatch.docx	12/17/2018 12:31 PM	Microsoft Word D...	1.165 KB

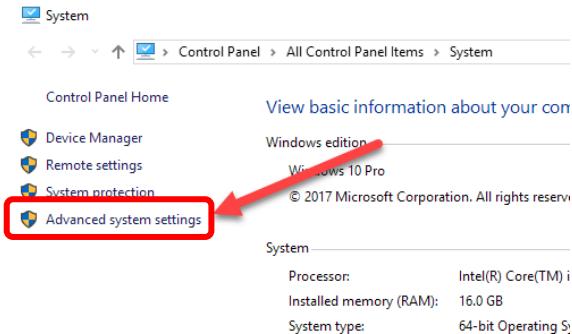
  

File	Comments / Data Range	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z

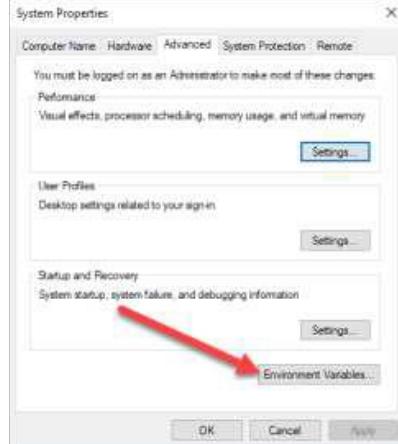
2. Right-click the **Computer** or **This PC** icon on the desktop; then, from the drop-down list, select **Properties**.



3. In the **System** dialog page, select the **Advanced system settings** option.



4. In the **System Properties** dialog, under the **Advanced** tab, click on the **Environment Variables** button.

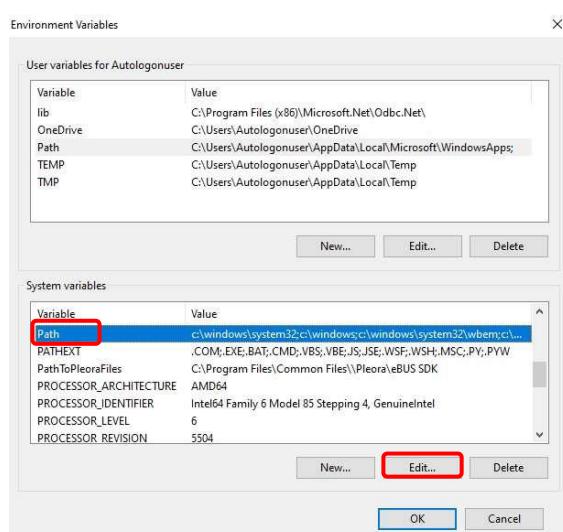


5. Open the **System Variables**; then, select **Path**, and click **Edit...**

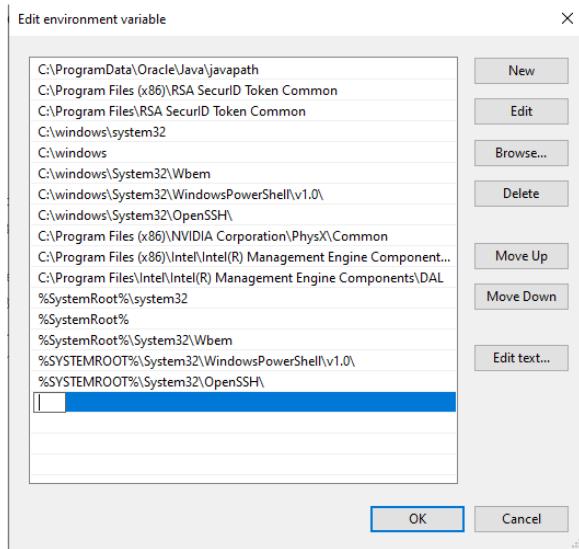


**Note:**

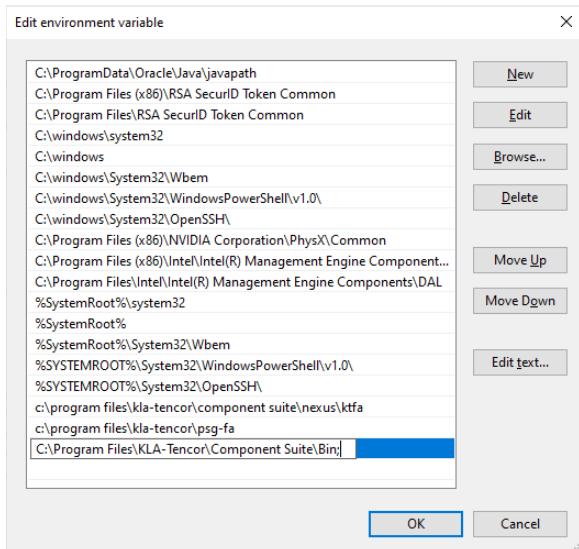
Take care Do **NOT** select path in the Environment Variables.



6. Click New to add a new path; then, in the empty row, type:  
C:\program files\kla tencor\component suite\nexus\ktfa and click OK.



7. Repeat Step 6 for paths:  
C:\program files\kla-tencor\psg-fa; then, for path  
C:\Program Files\KLA-Tencor\Component Suite\Bin



8. Capture the screen of the **Edit Environment Variable** window after the addition of the three paths and save it as **29. W10 Environment – only for V5.6 computers**.

9. Click **OK**.

## 24. Fleet Hub Validation

**Note:**

Fleet Hub validation available only from CFS 6.40.34.11004!

1. Hover with the mouse above the Fleet Hub icon.
2. Check if the Fleet Hub is installed properly:
  - a. Agent enrolled – **Good**



- b. Agent not enrolled – **Fail**

Status	Description
Agent Connected: Agent Not Enrolled	Installation is successful and agent is connected to FleetHub server. Tool has to be enrolled from FleetPack UI. Contact FleetPack Engineer or Service Manager for the tool enrollment.

- c. FleetHub is disabled – **Fail**

Status	Description
Agent Status - FleetHub is disabled!	Installation is successful. Current FleetHub mode is "Encryption Only" or "No Encryption and No FleetHub".

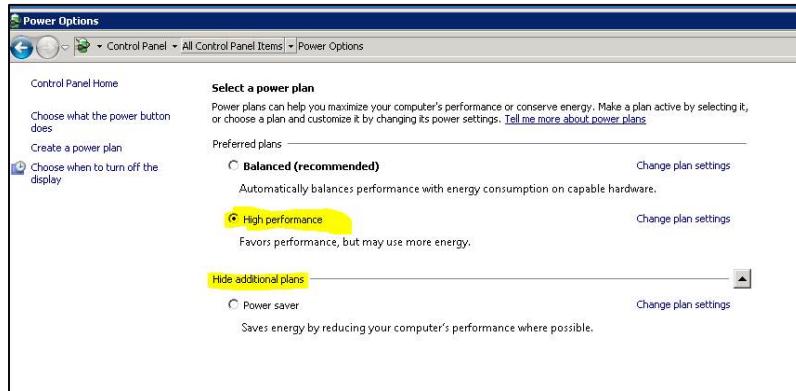
- d. Connection failed - **Fail**

Status	Description
Agent Disconnected	The agent connection to FleetHub server has failed. Refer to the section <b>Troubleshooting FleetHub Agent Connection Failed</b> to troubleshoot.

3. Capture this window as file **21. FleetHub Validation.jpg**

## 25. NLR Validation

4. Go to the NLR IP (192.168.40.01).
5. In search bar, type **Power Options**.
6. Make sure that the selected **Preferred plans** option is **High Performance**.  
Change as required.



7. Capture this window as file **27. NLR Validation.jpg**.

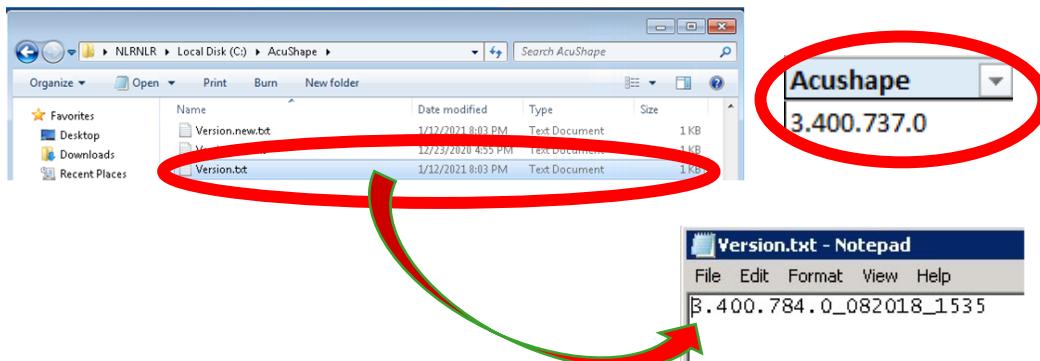
## 26. Acushape Version

1. Connect to the NLR computer at IP **192.168.40.1** – password is **Columbia03**.
2. Under **C:/AcuShape**, search for the **version.txt** file and take a screenshot of its contents – capture the details as file **16-Acushape Vesion.jpg** in the DB folder (see Step **Error! Reference source not found.** on page **Error! Bookmark not defined.**).
3. Validate that the software version defined in the **txt** file is compatible with the software version defined in the compatibility matrix in the **Acushape** tab.



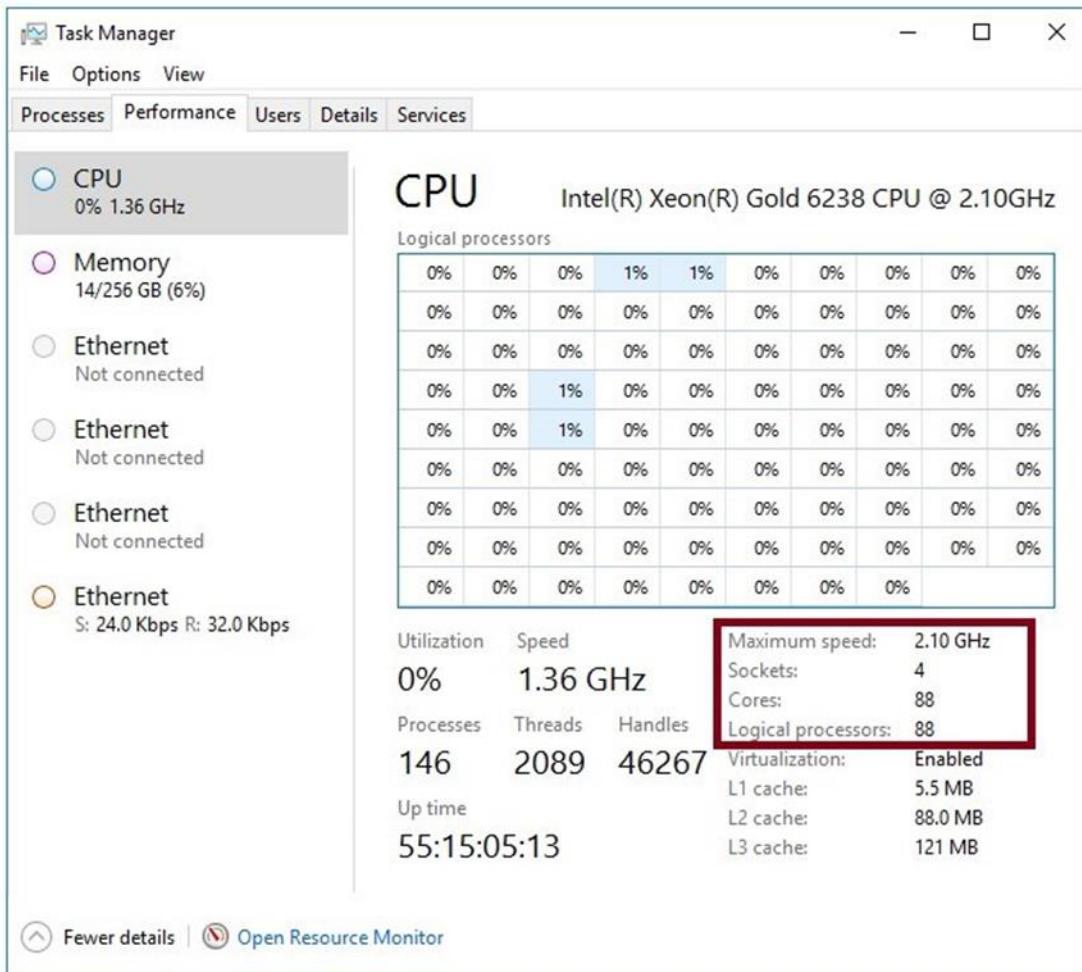
### Note:

For a general view of the referenced pictures, see Step **Error! Reference source not found.** on page **Error! Bookmark not defined..**



## **27. CPU Validation (On the NLR Computer)**

1. Open the NLR computer at IP **192.168.40.1** – password is **Columbia03**.
  2. Open the **Task Manager**; then, select the **Performance** tab.
  3. Validate that the values for **Cores** and **Logical processors** are identical.
  4. Capture as file **30.CPU Validation.jpg**.

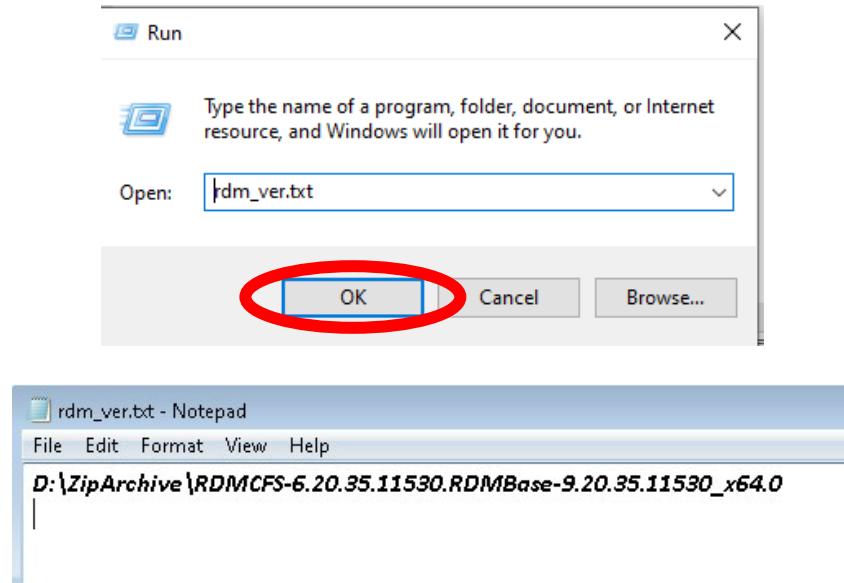


## 28. RDM

[As a utility, for the below task, click here and use the video “RDM\\_Validation”](#)

If required, there will be RDM licenses in the licenses table in the configuration, such as RDM\_CLIENT. The verification must be done on the main PC.

1. From the Windows menu, select **Run**; then, type **rdm\_ver.txt**, and press <Enter>.



2. Capture the screen as file **22-RDM SW**.

## 29. KTCS File

[As a utility, for the below task, click here and use the video “KTCS”](#)

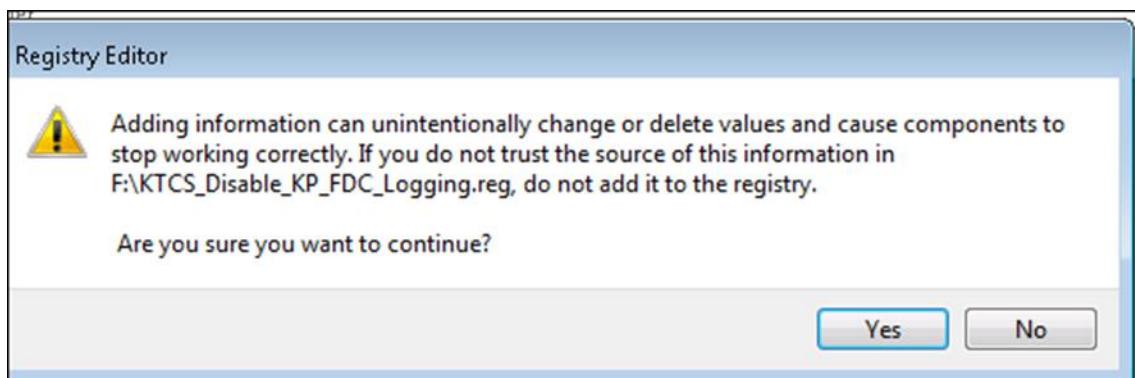
1. Download the attached txt file and rename as “.reg” file from the attached file:

[\\isr1nas03\Fast1\Customer\\_Acceptance\58-CFP\Procedures\Pre-Physical](\\isr1nas03\Fast1\Customer_Acceptance\58-CFP\Procedures\Pre-Physical)

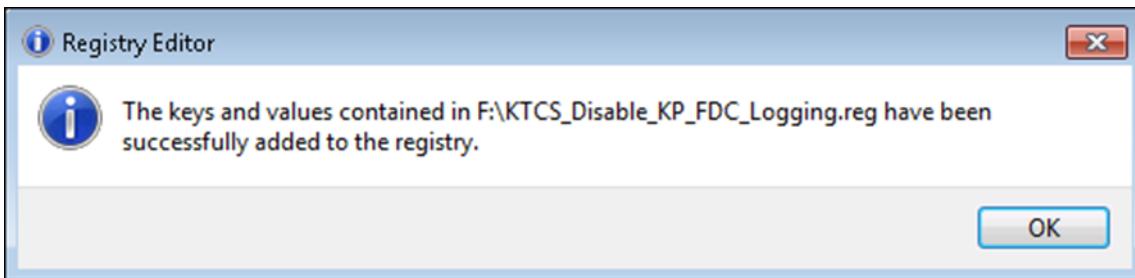


- 2 Execute the file to disable the KP message:

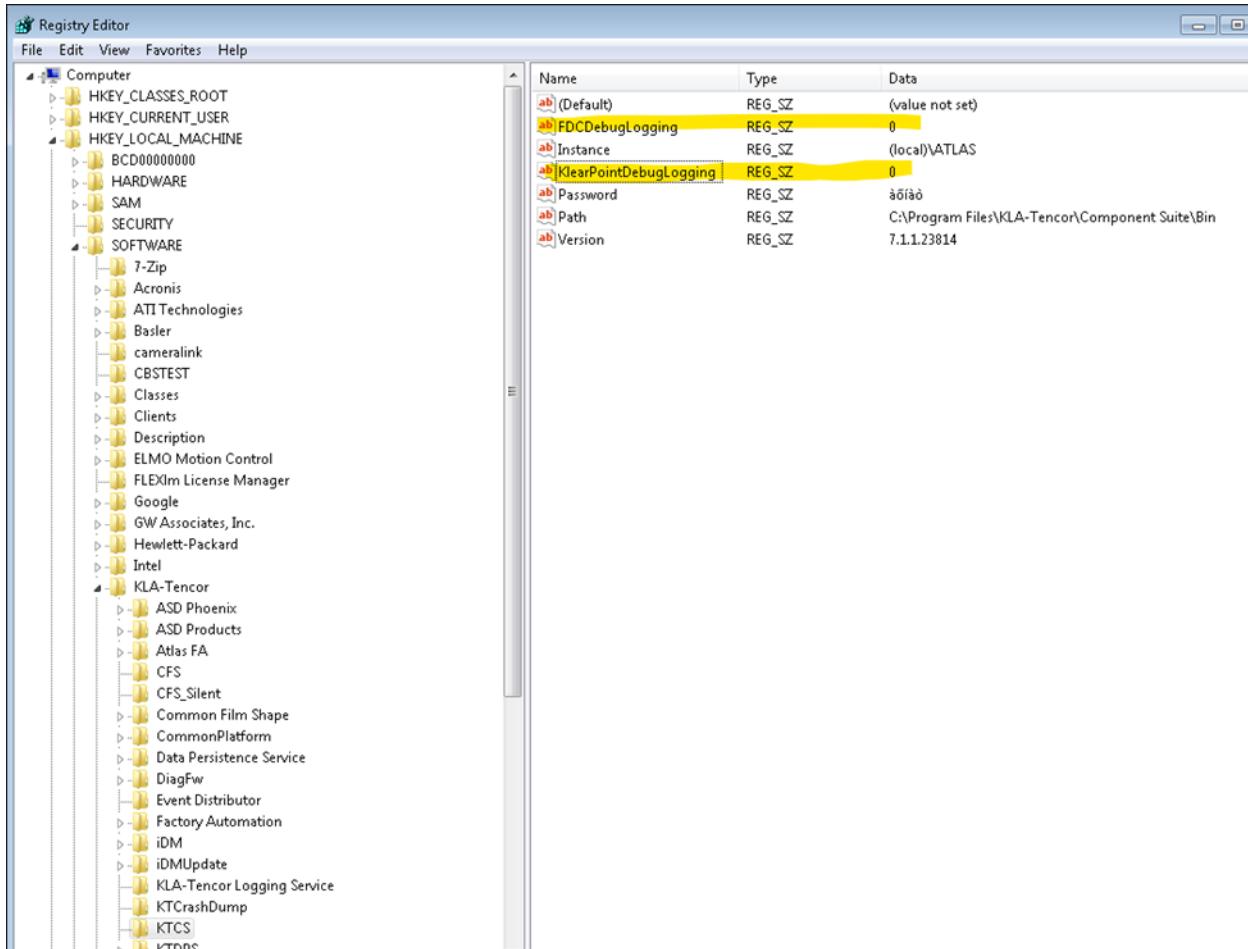
- b. Click YES.



- c. Click OK.



3. In ‘Run command’ type ‘regedit’ to open Registry; then, drill down to **HKEY\_LOCAL\_MACHINE\SOFTWARE\KLA-Tencor\KTCS**.
4. Verify that the value at the **Data** marked rows below is **0**.



5. Capture the key screen and save it as file **35. KTCS.jpg**.

## 30. One-Button-Click

[As a utility, for the below task, click here and use the video “One Button Click”](#)

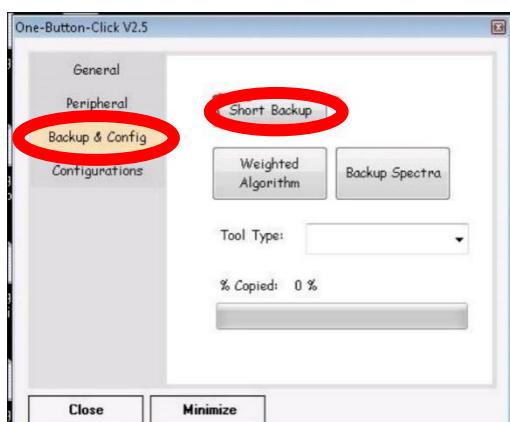


**Note:**

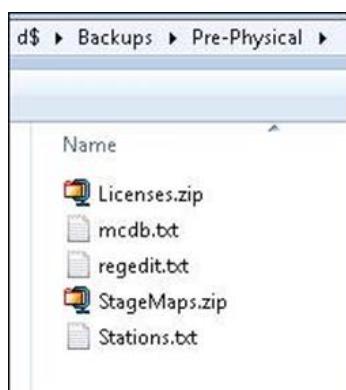
If the Backup folder does not exist, proceed to Step 1.  
If it already exists, jump to Step 3.



1. On the Desktop, double-click the **One-Button-Click** icon
2. If the app is not installed, copy the app to the tool desktop from the link below:  
[\\lsr1nas03\Fast1\Customer\\_Acceptance\02 - Aleris\SW\Apps\One-Button-Click and copy One-Button-Click -V2.5.exe](\\lsr1nas03\Fast1\Customer_Acceptance\02 - Aleris\SW\Apps\One-Button-Click and copy One-Button-Click -V2.5.exe)
3. On drive D:\ create a folder named BACKUPS. (if it doesn't exist).
4. From the **Backup & Config** menu, click **Short Backup**.



5. Move the files displayed below to the **D:\Backups\Pre-Physical** directory; then, capture the screenshot and save as **23. One Button Click back-up.JPG**.



## 31. Nexus Verification

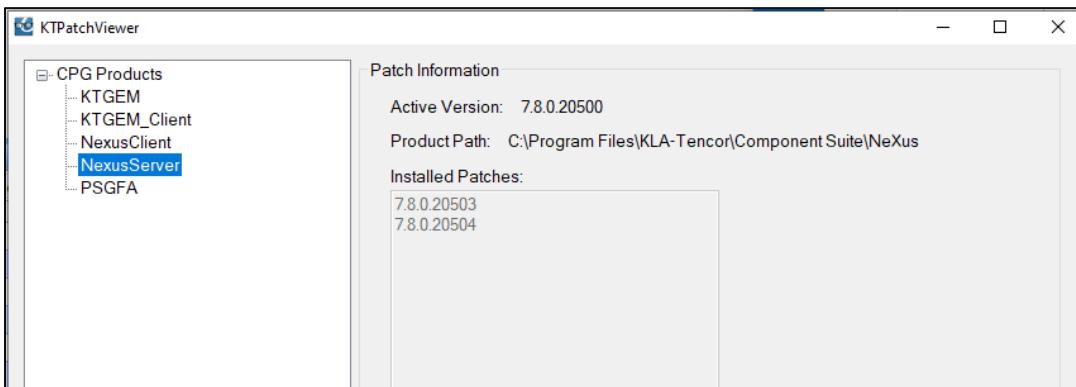
[As a utility, for the below task, click here and use the video “Nexus Validation”](#)



**Note:**

If Nexus doesn't match the configuration, open a NC for this issue – mention the NC in the final report.

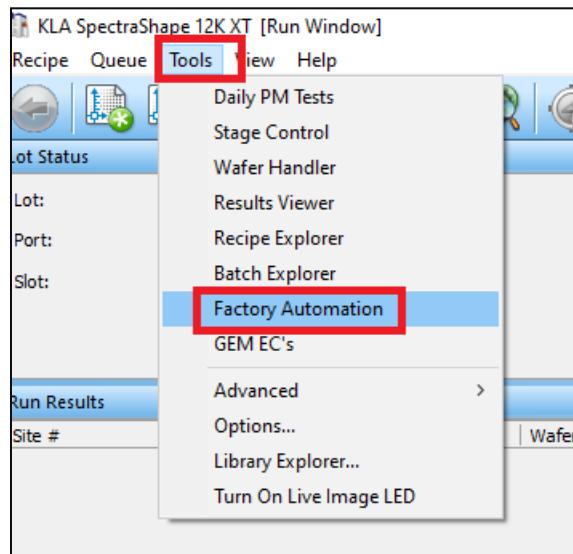
1. Before installing **KTPatchViewer** app, in C-Point, verify if it should be on tool.
2. Check if the **KTPatchViewer** app ( **KTPatchViewer.exe**) is installed on the tool (usually on drive F) – install as required.
3. Double-click the KTPatchViewer icon; then, check the patches that the details in the “NexusClient and NexusServer sections match those in the Pheonix Versions file (or Configuration file).



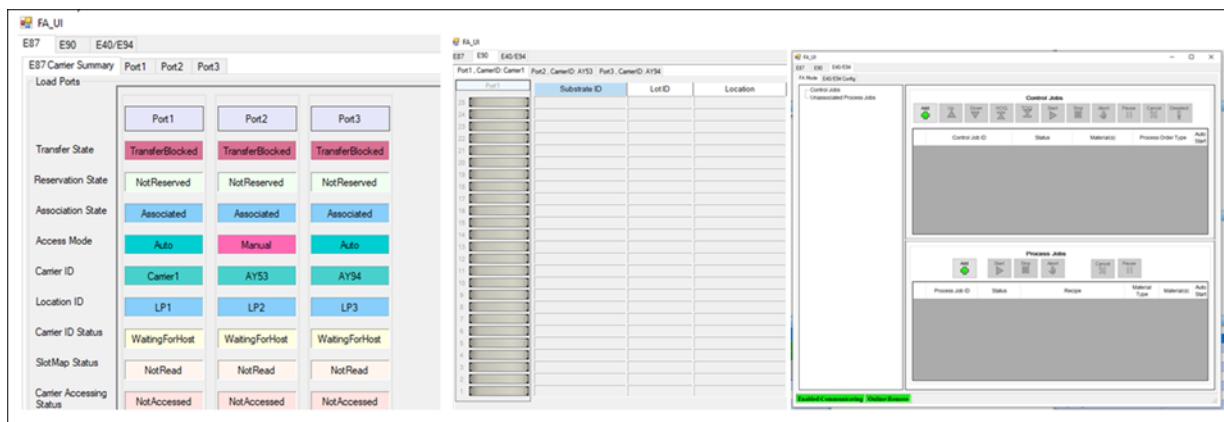
4. Capture each of the displayed screens, and save as
  - 25. Nexus Client.jpg
  - 26. Nexus Server.jpg

## 32. Factory Automation verification

1. Connect to Machine application.
2. From the **Tools** menu, select **Factory Automation**.



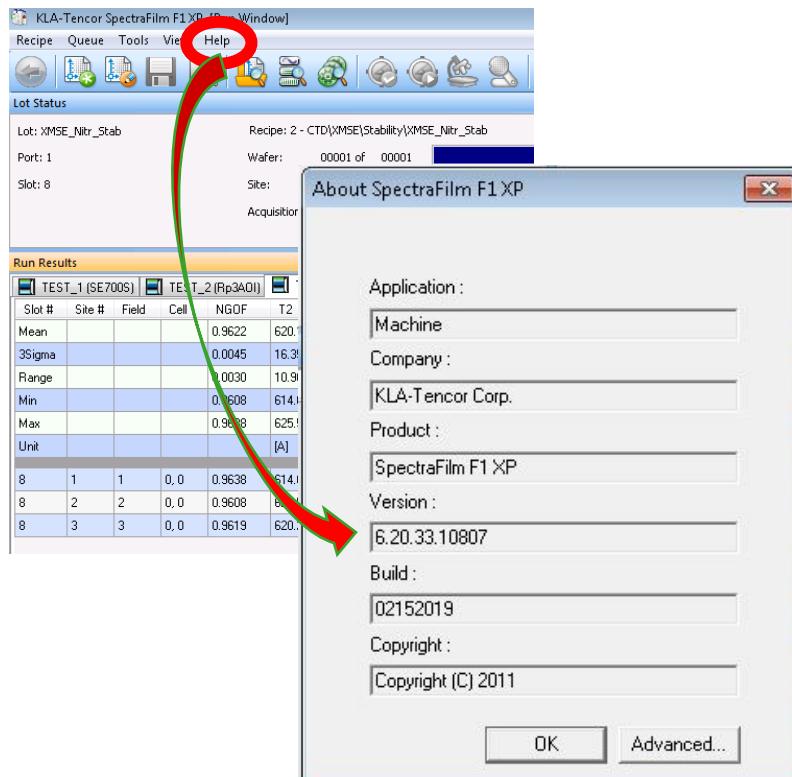
3. Capture the following screenshots as files (a file for each tab):
  - a. 32.FAU\_UI\_E87.jpg
  - b. 33.FAU\_UI\_E90.jpg
  - c. 34.FAU\_UI\_E40/E94.jpg



### 33. Atlas Info

[As a utility, for the below task, click here and use the video “MCDB\\_Details”](#)

4. From the **Help** menu of the tool screen, select the **About...** option; then verify that the version is compatible with the one in the configuration file.

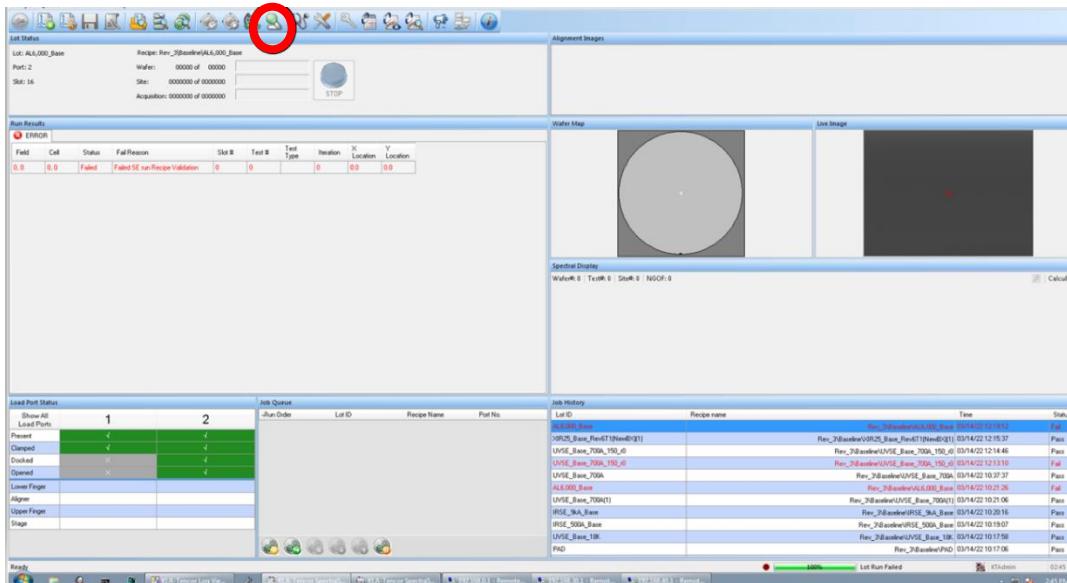


Capture the displayed window as file 7-Atlas Info.jpg in the DB folder (see Step **Error! Reference source not found.** on page **Error! Bookmark not defined.**).

## 34. Cameras FOV

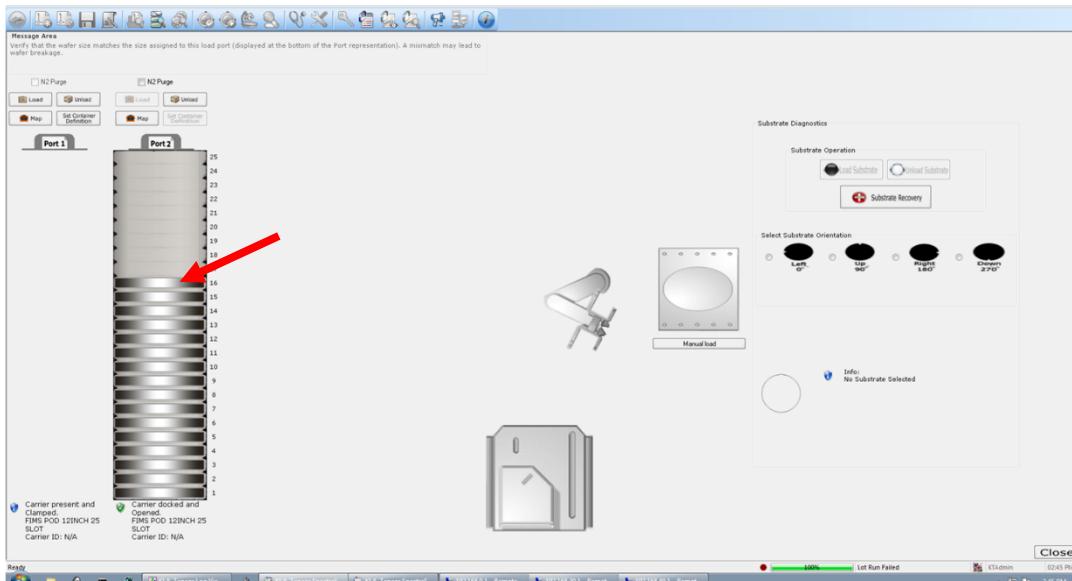
As a utility, for the below task, click here and use the video “FOV (Field of view)”

1. Switch to the tool screen.
  2. Ensure there is a FOUP containing a blank wafer in the handler port; then click the wafer handling icon .

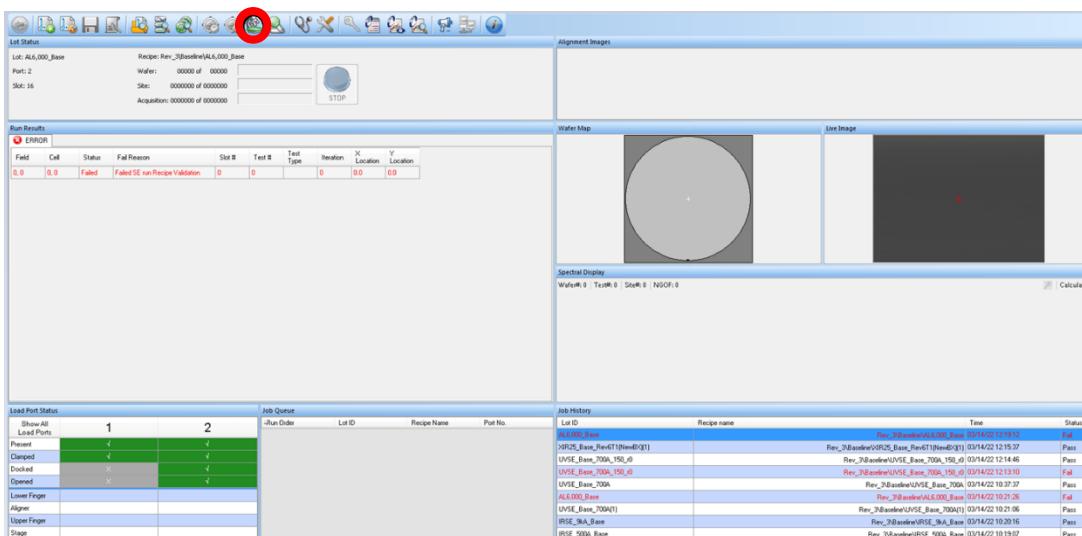


3. Double-click the blank wafer in the stack.

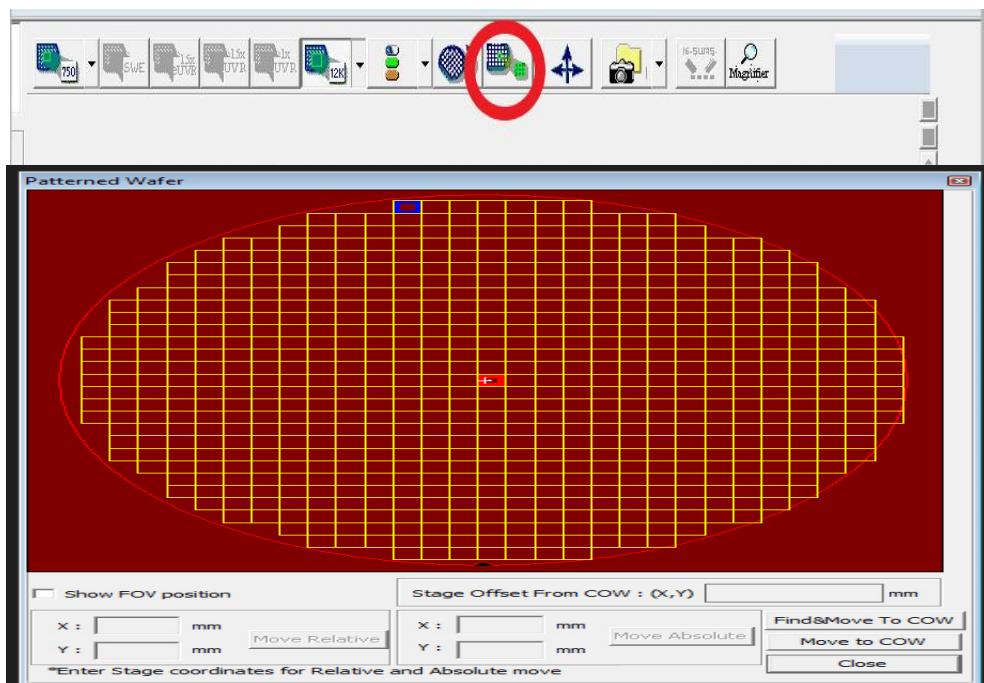
The wafer is loaded onto the chuck.



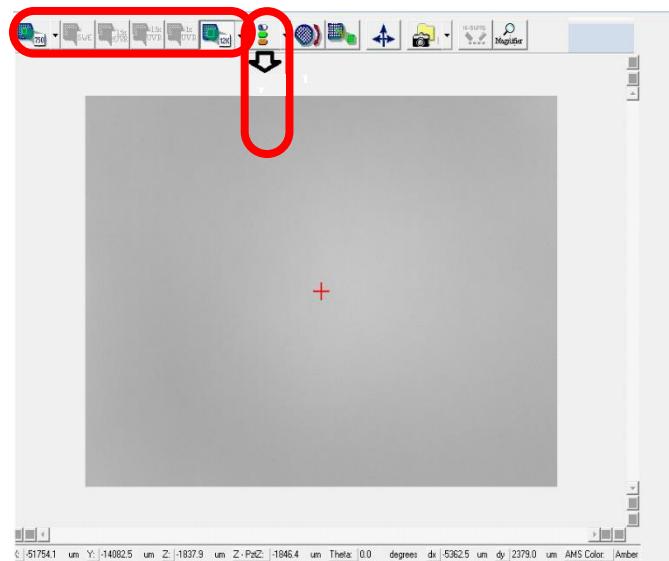
4. Click the wafer map icon



5. Verify that all cameras are clean
  - a. Is there a black smudge, or any other suspicious mark on the viewed camera?
6. For each of the enabled LEDs, perform the following:
  - a. Click a camera icon.
  - b. Perform move to COW.



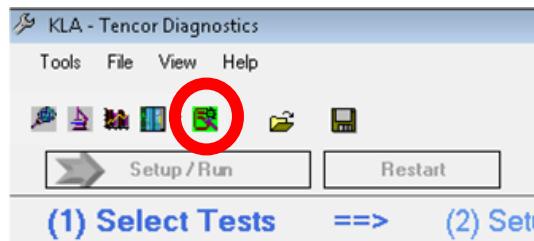
- c. From the LEDs list, select a LED, and verify that it turns ON, and that the image (LED/Lens) is clean.
- d. Take a screenshot of the resulting window and save files according to the following steps:
  - i. 12K LEDs
  - ii. White – 11-12K FOV -W.jpg
  - iii. Green – 11-12K FOV -G.jpg
  - iv. Amber – 11-12K FOV -A.jpg
  - v. 750 LEDs
  - vi. White – 12-750 FOV -W.jpg
  - vii. Green – 12-750 FOV -G.jpg
  - viii. Amber – 12-750 FOV -A.jpg
  - ix. SWE LEDs
  - x. White – 13-SWE FOV -W.jpg
  - xi. Green – 13-SWE FOV -G.jpg
  - xii. Amber – 13-SWE FOV -A.jpg
  - xiii. UVR LEDs
  - xiv. White – 14-UVR FOV -W.jpg
  - xv. Green – 14-UVR FOV -G.jpg
  - xvi. Amber – 14-UVR FOV -A.jpg



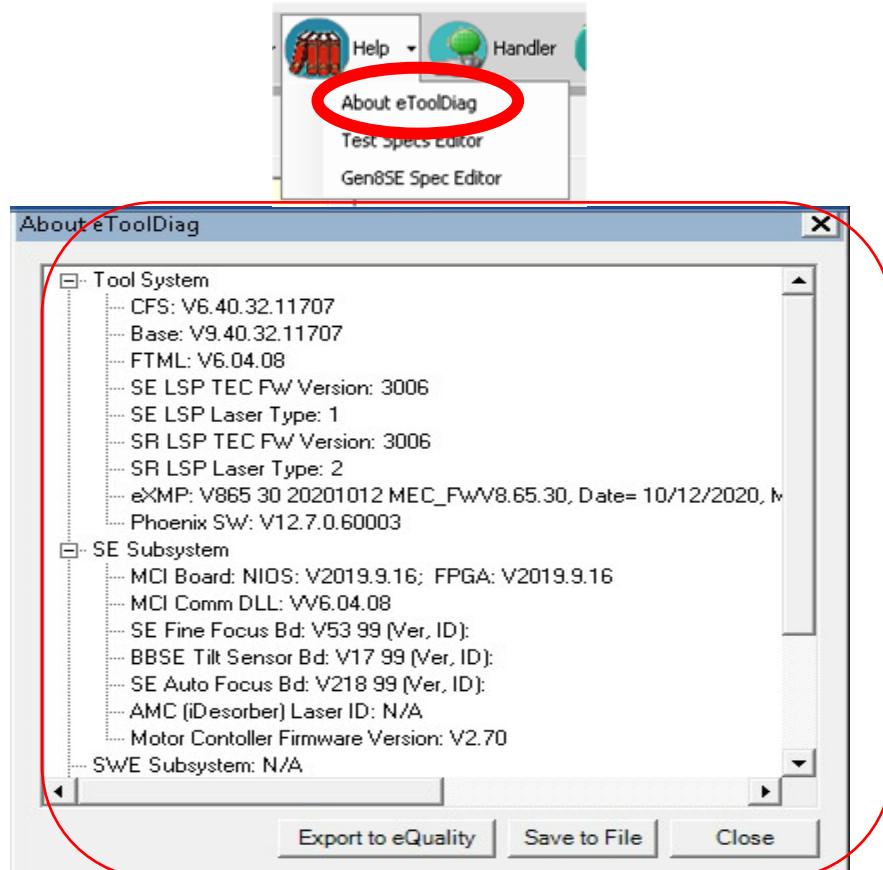
### 35. eToolDiag/TFDiag Validation

[As a utility, for the below task, click here and use the video “eToolDiag verification”](#)

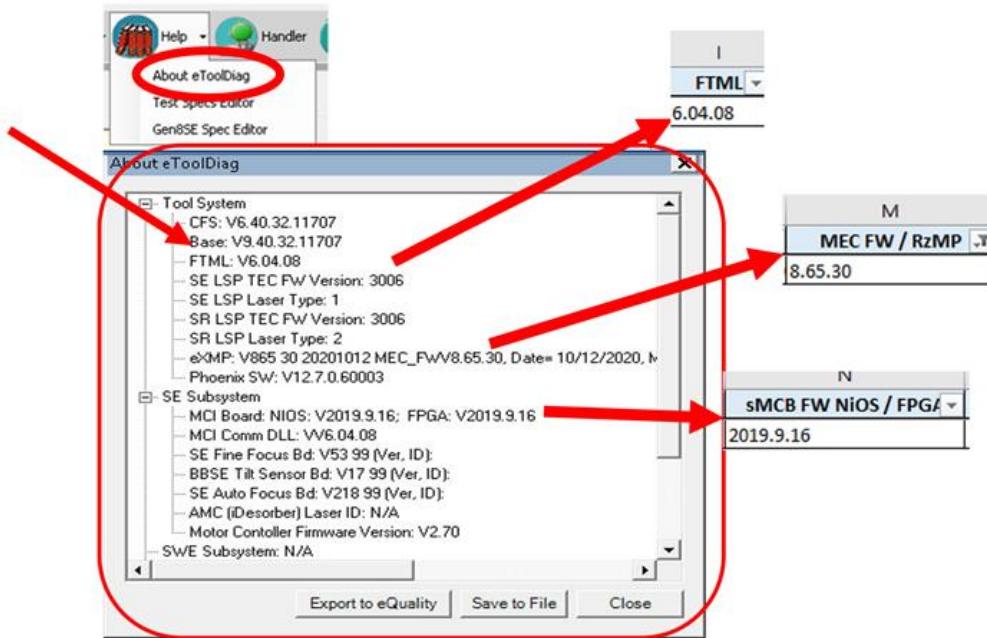
1. In the Diagnostics app., click the marked icon to open the eToolDiag.  
\*Need to verify that nothing running in the background.



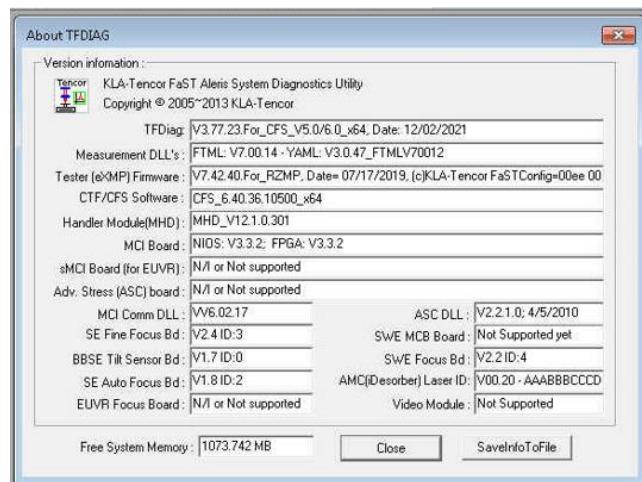
2. From the Help menu, select the **About eToolDiag** option – save the screenshot as file **4-TFDIAG Info.jpg** in the DB folder (see Step **Error! Reference source not found.** on page **Error! Bookmark not defined.**).



3. Verify that the version numbers in the **tool software** and the COMP MATRIX row are identical.



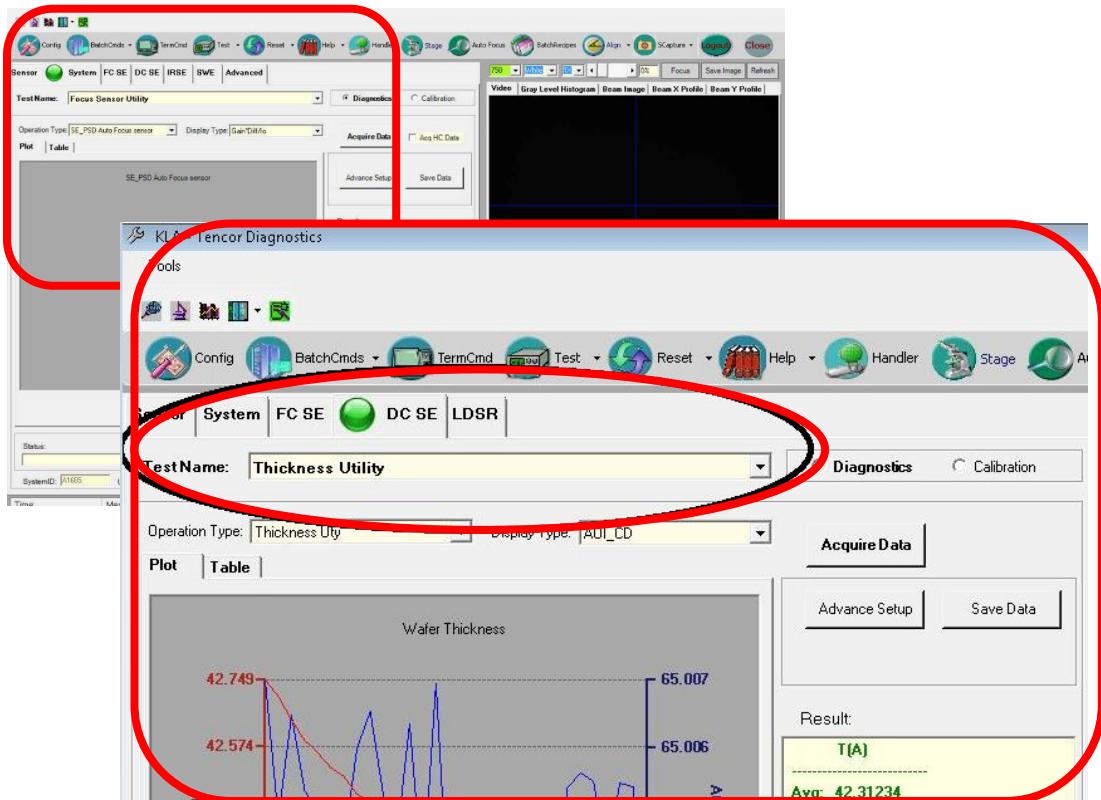
4. If tool has **TFDiag**, run “killall”, then open the TFDIAG icon.
- Click **Help**.
  - Click **About TFDIAG**.
  - Compare the details (TFDiag, FTML, MEC FW, sMCB) to the COMP MATRIX row – make sure they are identical.
  - Capture the details and save them as **4-TFDIAG Info.jpg**.



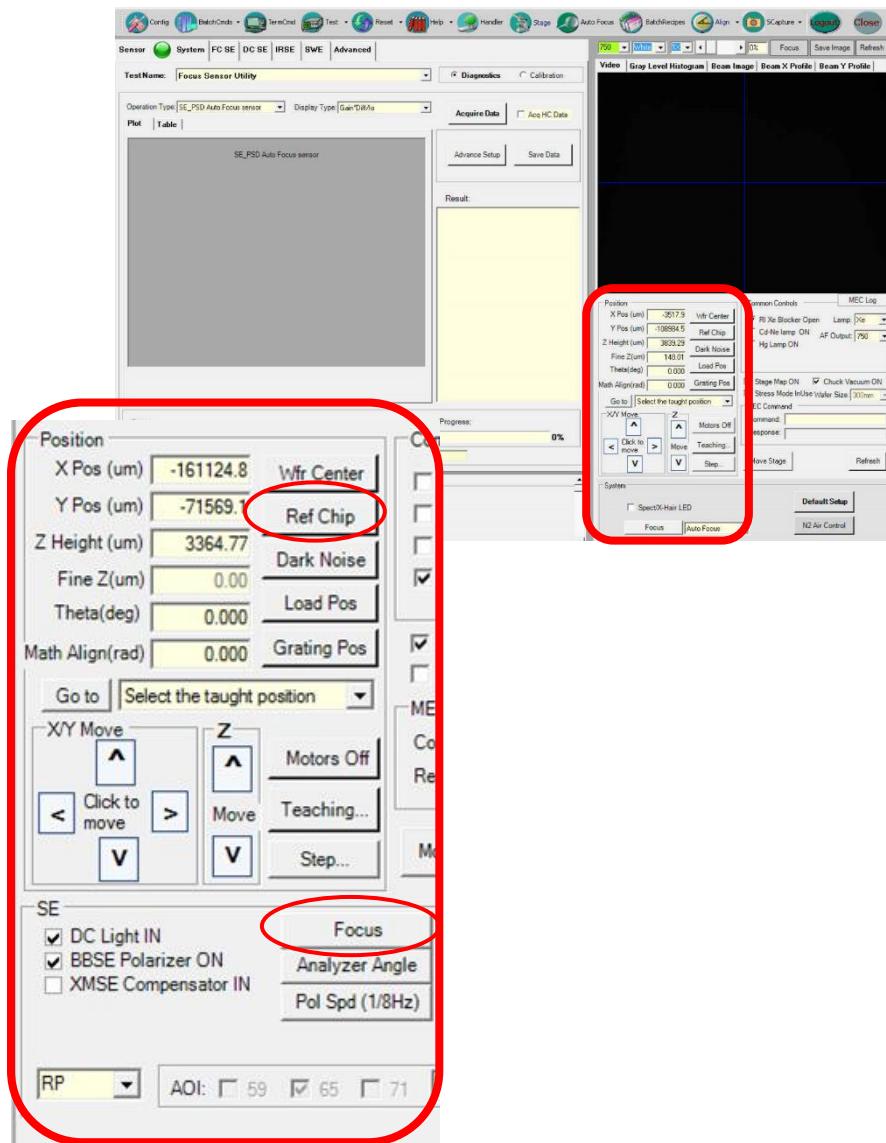
### 36. Ref T Check - eToolDiag

[As a utility, for the below task, click here and use the video “eToolDiag verification”](#)

1. Open the **Diagnostics** tool.
2. Select the **FC SE / DC SE** tab; then, from the **TestName** drop-down list, select **Thickness Utility**.



3. Click the Ref Chip and Focus buttons.



### 37. Ref T Check – TFDiag



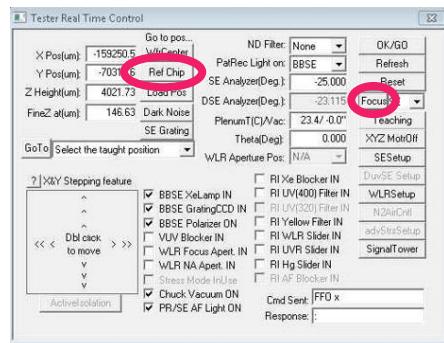
**Note:**

This Section is applicable only for Aleris tools.

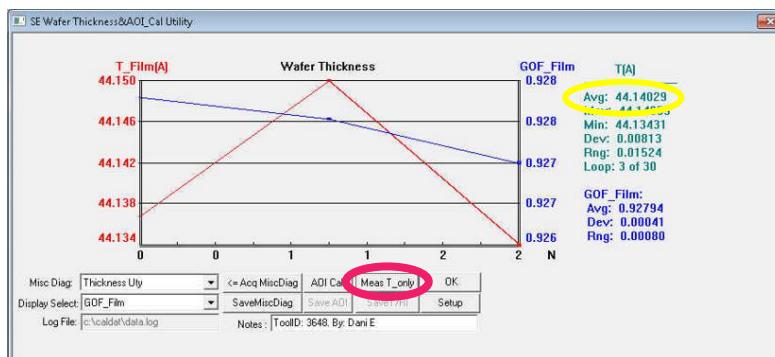
1. Run **killall** on tool.
2. Open “**TFDiag**” icon.
3. Open “**Tester Stage** and “**Th. Meas.** Windows.



4. In the **Tester Stage** window, click **Ref Chip** then **Focus**.



5. On “**Th. Meas.** Window click **Meas\_T\_Only** and wait for results.



6. Verify that the Rev T results (at **Avg.**) are between 0-50.

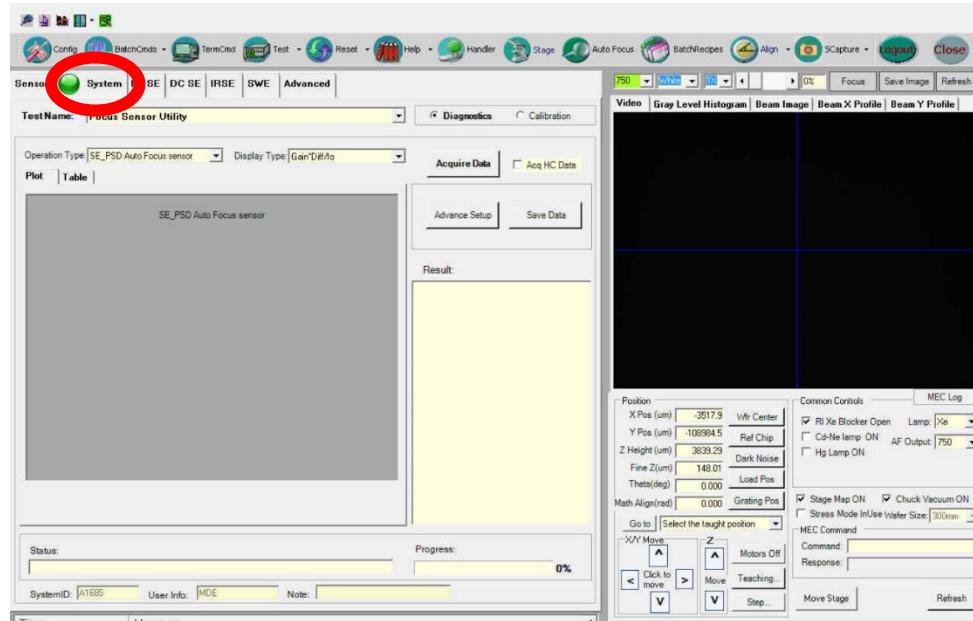
## 38. DNS Cross Hair Check



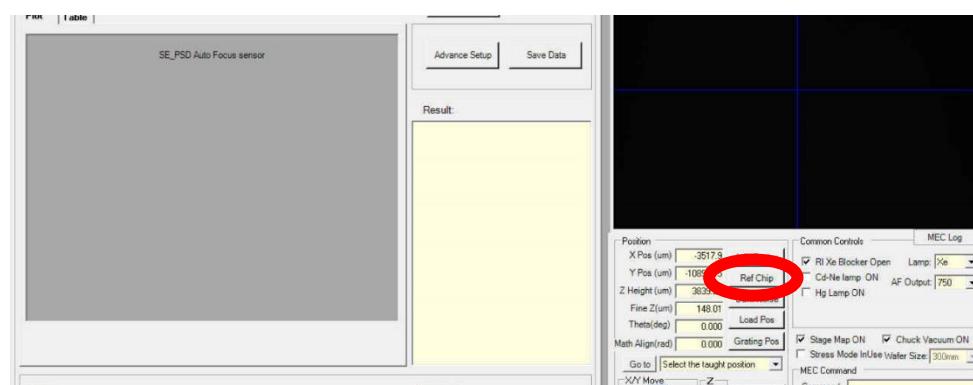
**Tip!**

Before doing test, check if tool has DNS option.

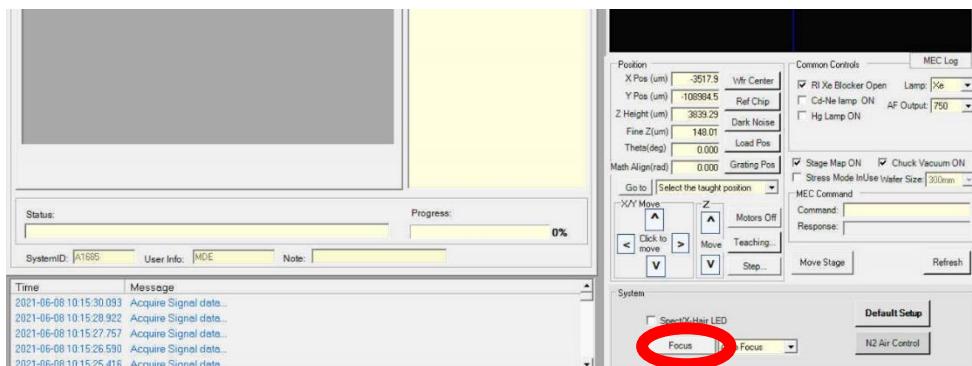
1. Open the Diagnostics tool.
2. Select the System tab.



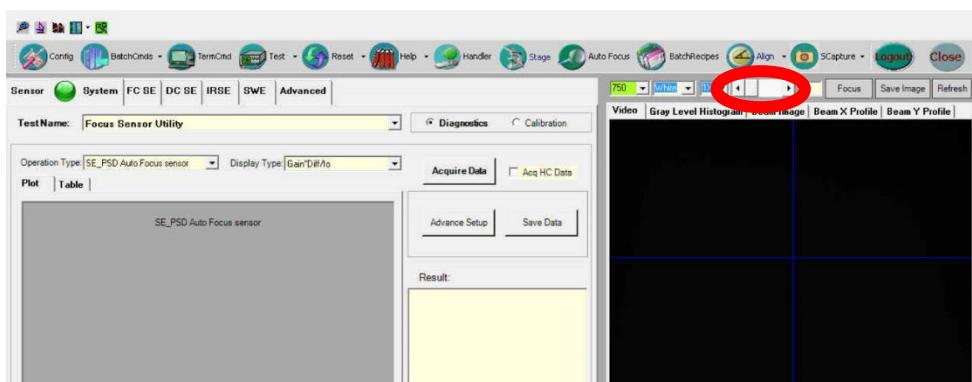
3. Click Ref Chip position.



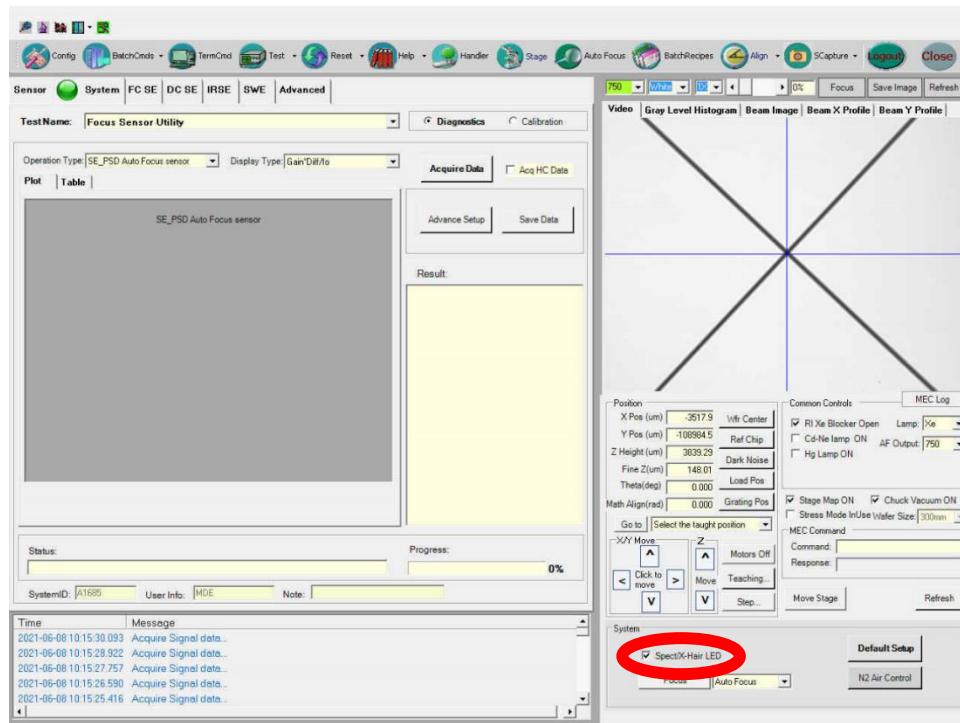
4. Click **Focus** position.



5. Reduce PR LED intensity to 0%.



6. Select the **Spect/X-hair LED** option; then, make sure that the LED is functional and that the Video is displayed as shown below.

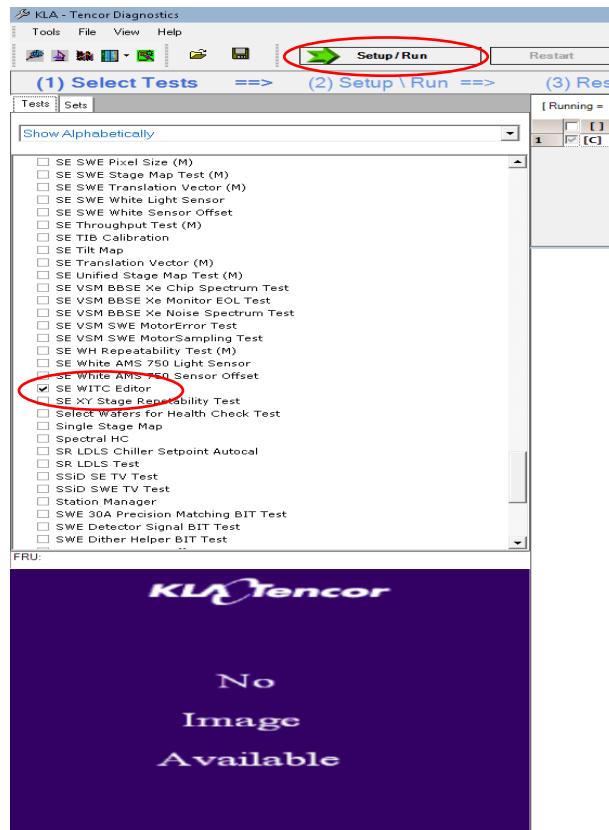


## 39. Setting RPRC to 1

**Note:**

This Section is applicable for F1 tools ONLY (except for TSMC).

1. From the tests list in the **Diagnostics** menu, click **SE WITC EDITOR**; then, click **Setup/Run**.



2. Generate the password by inserting tools MAC Adress .
3. Type the password; then, click **OK**

**Note:**

If you don't have a password, export it from the **WITCadmin** application.

If you don't have access to the **WITCadmin** application, request the password from a CA member.



4. Contact the FI owner and ask if you can change the WITC RPRC values to 1.  
If not, leave them as 4.

If yes, change them to 1, take a screenshot and save it as file

**19-F1 Only - WITC RPRC set to 1.jpg (Step Error! Reference source not found. on page Error! Bookmark not defined.).**

WITC Delay Property Name	Default Value	Current Value
BBSE		
TF		
— USE_DSE Delay	2300	2300
— IRSE Delay	2300	2300
— RPRC-USE Delay	2100	2100
— SE Turns Per Scan	4	4
— DSE Turns Per Scan	4	4
— IRSE Turns Per Scan	8	8
— RP SE TurnsPerScan 65	4	4
— RP SE TurnsPerScan 59	4	4
— RPRC SE TurnsPerScan 65	4	1
— RPRC SE TurnsPerScan 59	4	1
— RPRC SE TurnsPerScan 71	4	1
— IRSE TurnsPerScan 59	8	8
— IRSE TurnsPerScan 71	8	8
— SE Max Number of Scans	10	10
— DSE Max Number of Scans	10	10
— IRSE Max Number of Scans	10	10
CD		
— USE_DSE Delay	2350	2350
— IRSE Delay	2350	2350
— RPRC-USE Delay	2150	2150
— SE Turns Per Scan	4	4
— DSE Turns Per Scan	4	4
— IRSE Turns Per Scan	8	8
— RP SE TurnsPerScan 65	4	4
— RP SE TurnsPerScan 59	4	4
— RP SE TurnsPerScan 71	4	4
— RPRC SE TurnsPerScan 65	4	4
— RPRC SE TurnsPerScan 59	4	4
— RPRC SE TurnsPerScan 71	4	4
— IRSE TurnsPerScan 65	4	4
— IRSE TurnsPerScan 59	8	8
— IRSE TurnsPerScan 71	8	8
— SE Max Number of Scans	10	10
— DSE Max Number of Scans	10	10
— IRSE Max Number of Scans	10	10
TurboFilm		
— USE_DSE Delay	2300	2300
— IRSE Delay	2300	2300
— RPRC-USE Delay	2100	2100
— SE Turns Per Scan	4	4
— DSE Turns Per Scan	4	4

File Last Modified Time: 8/23/2022 11:18:58 AM - User: Autologonuser - Machine: A3287 (C:\5300\Config\WITC\WITC.xml)  
Authorized by 'oeweiss' on '5/9/2022' @ 'IL1-LT-7DC2DK3'



### Note:

After changing the WITC parameters, open a NC for this issue – mention the NC in the final report.



## 40. Encoders

Perform the attached [Etel Encoder Testing procedure](#) – to access the procedure, click the link.

If the link is not working, search in the Enovia for this P/N: 0672256-00x.

[As a utility, for the below task, click here and use the video “Encoders test”](#)

## 41. HW and Optics

As a utility, for the below task, use the below links:

- [Starting HW Phase](#)
- [Configuration](#)
- [LT Check](#)
- [Interlock & AC Validation](#)
- [Chuck Validation](#)
- [End of Chuck & Magnets Validation](#)
- [More Option Validation 1](#)
- [More Option Validation 2](#)
- [Starting Labels Phase](#)
- [Finish Labels Phase](#)

1. Open the Configuration file.
2. Check if all the options in the configuration are installed on the tool.

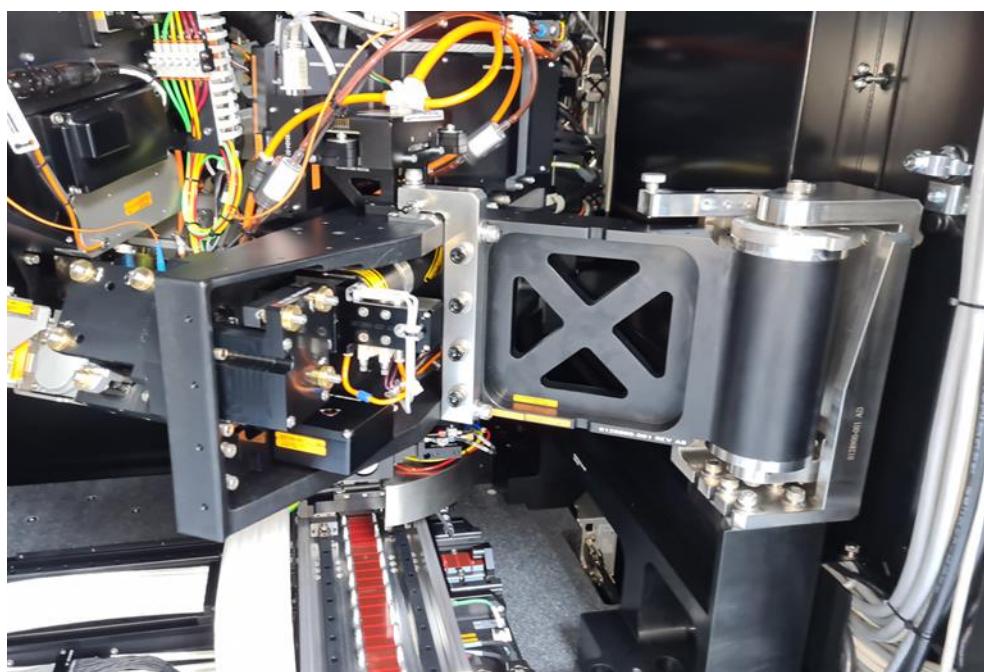
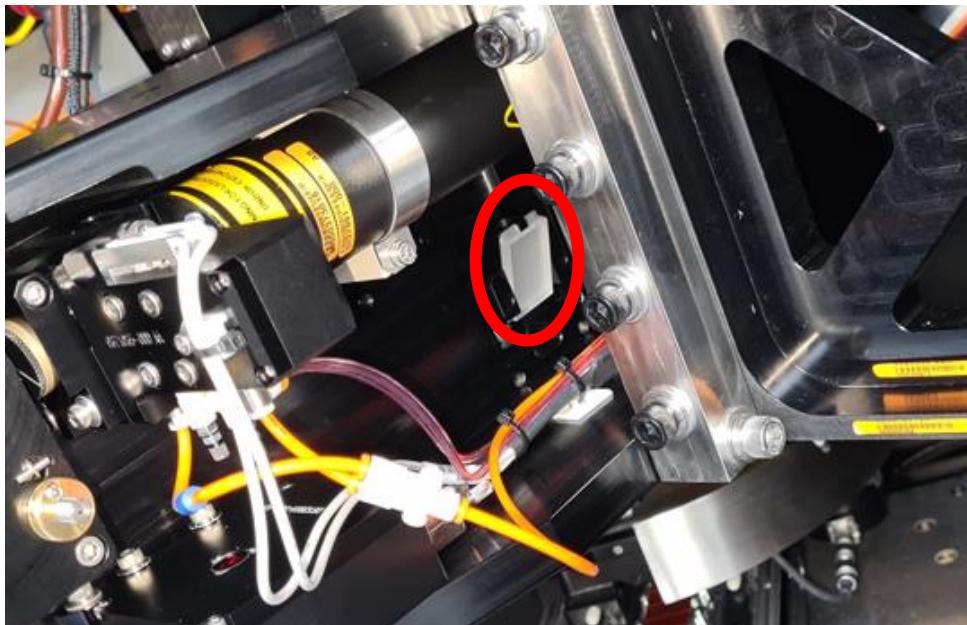
27	I8U	E84HecovernModel2	1
28	TBD	E84RecoveryModel3	1
29	0611714-000	E84 ERROR RECOVERY RETRY/COMPLETE	1
30	0611717-000	E84 LIGHT CURTAIN ERROR RECOVERY	1
31	0612233-000	E84 Real Time Signal Display License	1
32	0125437-000	1D Stress	1
33	TBD	AtlasCD_BOW	1
34	TBD	AtlasCD_WST	1
35	0716198-000	CFS 5.00.30.10912	1
36	<b>Tool Hardware options</b>		
37	PN	Description	Quantity
38	0100231-001	WLR	1
39	0603648-000	BBSE 193 DUV Aleris 8350,ROW	1
40	0245428-000	MAIN ONLY,LT 3CLR,W/BUZZER,OPC	1
41	0245428-000	OPTION,KIT,WAFER THICKNESS,ALE	1
42	0125437-000	OPTION,STD STRESS,SFX 1000	1
43	0726897-000	COMET,SYSTEM ELECTRONICS W/O RING TERMIN	1
44	<b>Accessories Options</b>		
45	PN	Description	Quantity
46	0972013-000	KIT, WAFER, 300MM BASELINE SET	1
47	0210044-000	Tool, Test Wafers, Advanced Stress	1
48	0147544-000	KIT,SEISMIC RESTRAINT,TESTER,ALERIS	1
49	0787018-000	KIT,DECALS,ALERIS 8350	1
50	0669038-000	OLSA,6.0 GR W/USB Dongle	1
51	0805550-000	KIT, AMC CHEMICAL FILTER, ALER	1
52	<b>Handler Type &amp; Hardware options</b>		
53	PN	Description	Quantity
54	0755577-000	PHX-T3.0-WT1.1,SLP8,WFT, KTRA	1

## 42. Adjusting the SWE

**Note:**

This section is applicable for tools with the SWE option ONLY.

1. Verify that the mirror is not damaged.

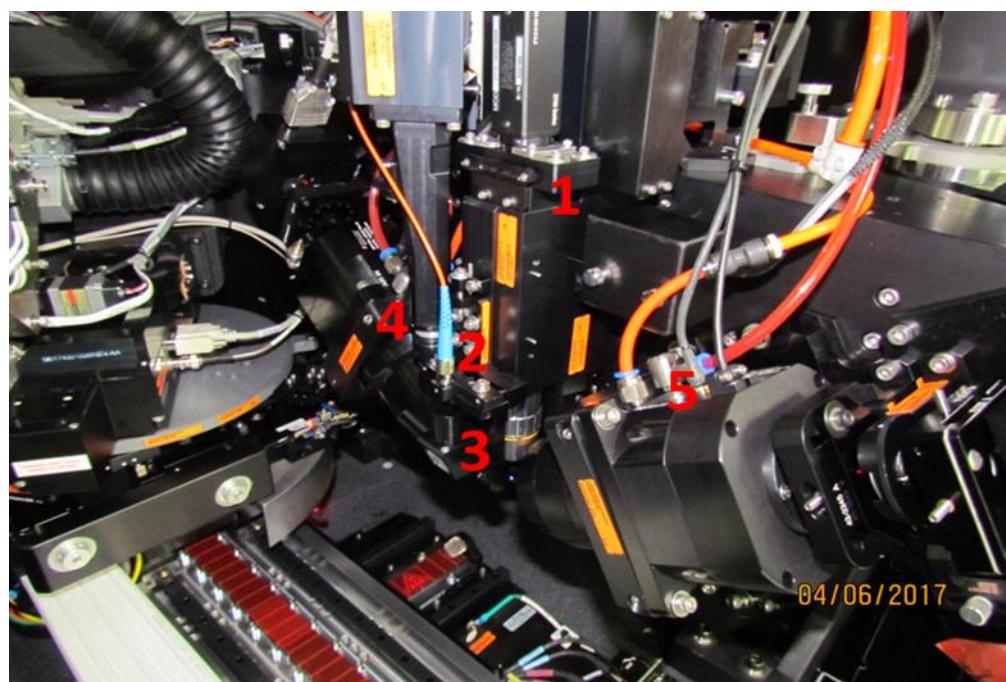


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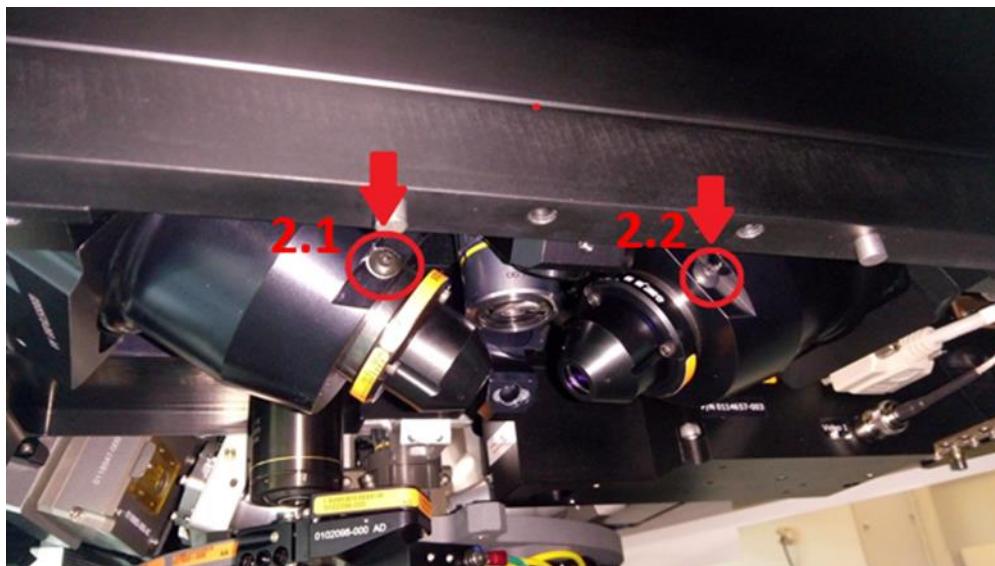
2. Turn the key Off the On; then, verify that the SWE shutter closes and opens – while switching key position, make sure no other parts are moving.



3. Verify the following.
  - a. SWE camera filter is secured by 2 screws (1).
  - b. SWE fiber is secured (2).
  - c. SWE auto focus tube is secured (3).
  - d. SSID focus and zoom lens adjustment two screws are secured (4).
  - e. Vacuum Tube is connected (5).



4. Verify that the two screws of Generator and Analyzer plug the suction holes.



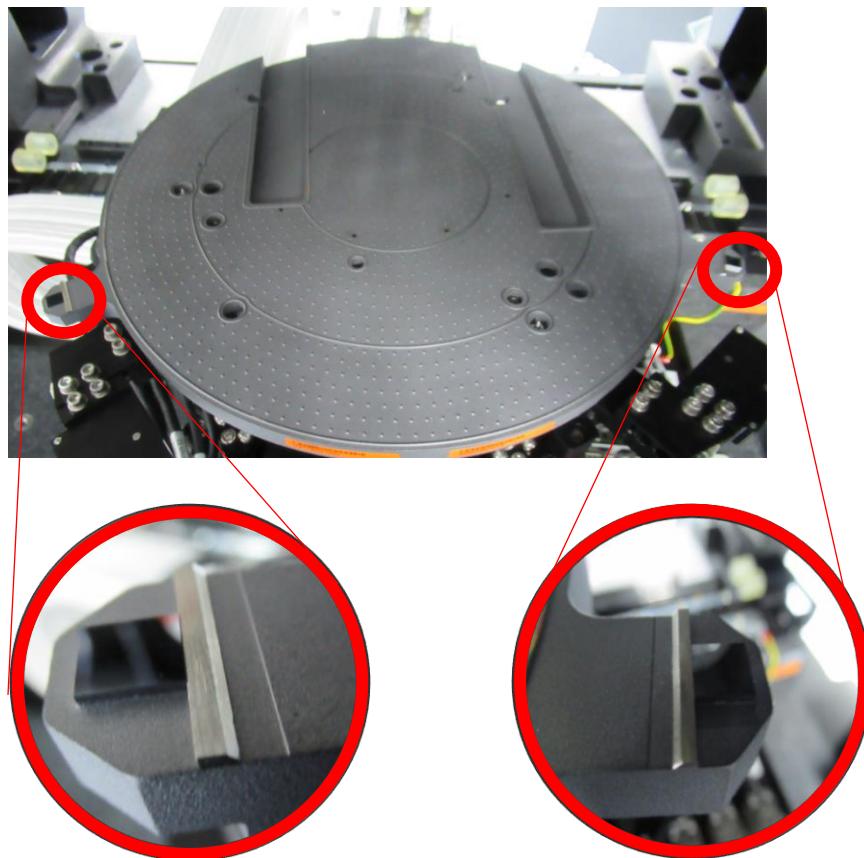
5. Verify that the handler arm is locked and secured.

### 43. Chuck

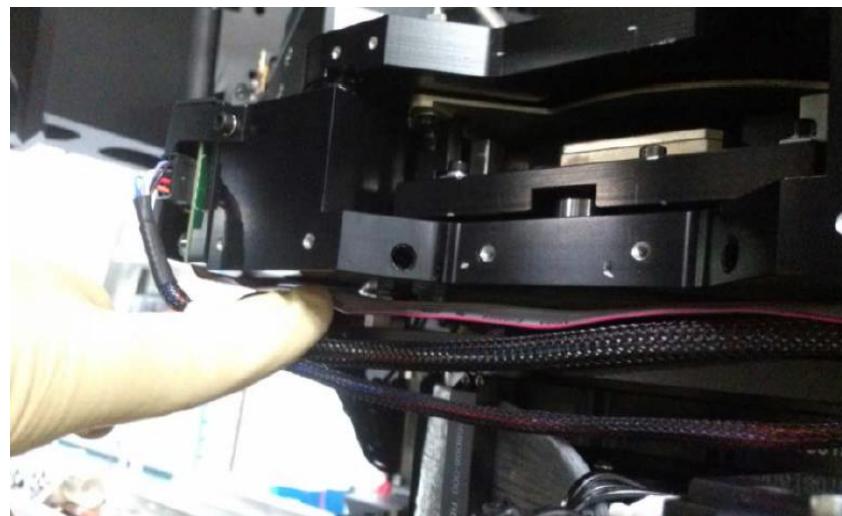
1. Verify that the P/N on the label is identical with the one in the configuration tool.



2. Check the whole chuck and verify that it is without scratches, stains or any other damage.
3. Check the WST mirrors.



4. Verify that there are no oil marks on the Black Z base.

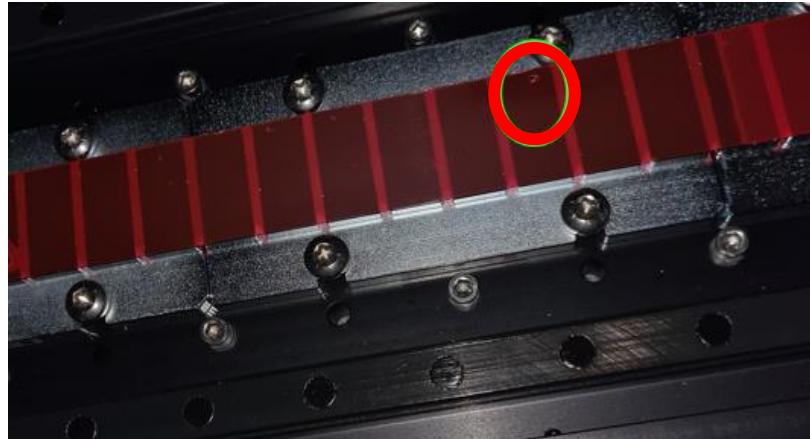


#### 44. Chuck Vacuum Connection

1. Perform the updated procedure [P/N 0983318-xxx](#) – click link to view procedure.  
If the link is not working, search in the Enovia.

## 45. Magnets

1. Verify that the red tape is not damaged.

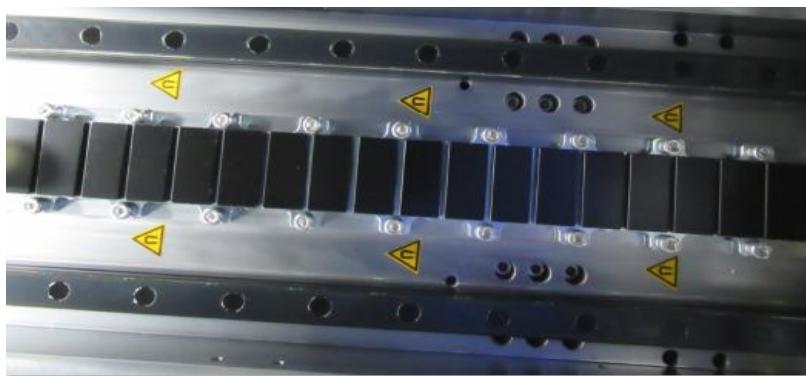


2. In cases where there is no red tape (V9), verify that the magnets are not damaged.



***Important!***

Note that there are four (4) such tracks.

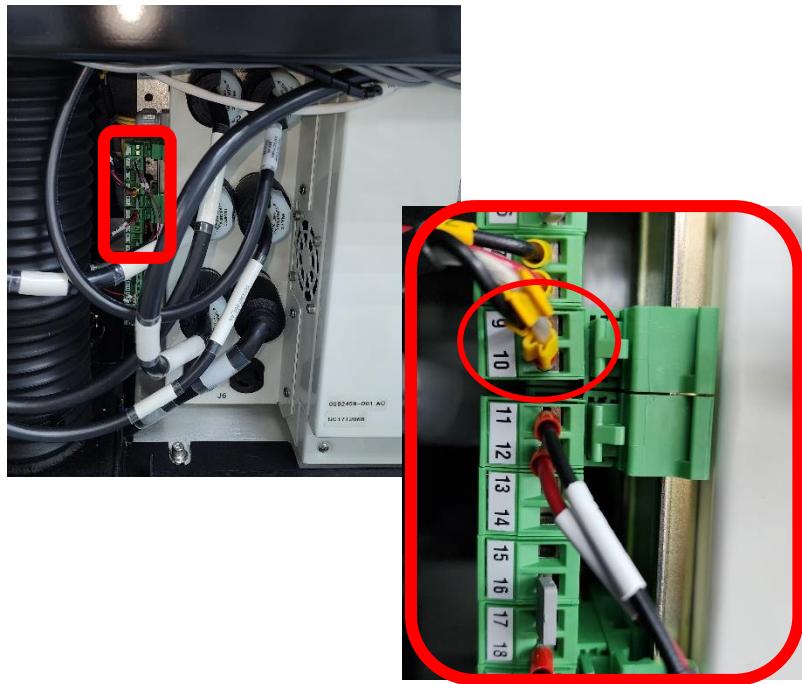


## 46. AC Unit

1. Verify that the AC is as defined in the configuration tool (if needed).



2. Verify that Handler EMO (pins 9, 10) near the AC unit are properly connected (NOT jumpered).



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## 47. Computers

Check that the PC drawer is secured by all 4 screws.



## 48. OPCON Station

Check the following as described:

- Keyboard & Mouse are clean.
- USB functionality.
- Arm movement.
- Op-Con can be locked, as shown below.



**49. XMSE/BBSE**

See figure below for references:

1. Verify Bellows Position.
2. Verify Cable is secured.
3. Verify Focus & Collections are secured.
4. Verify LDLS Lamp Housing is secured.
5. Verify Lamp Housing is secured with metal ring.
6. Verify Illuminator bracket is installed.
7. After Handler removal, verify Spectrometer Cover is installed.
8. Verify LDLS lamp Housing Collimation and power are secured.
9. Verify Collection AOI Mask Cover is installed.



## 50. eRack



### **Important!**

Make sure that there are no unnecessary/foreign objects inside the eRack!

1. From the eRack front, check the following – refer to Figure 1 for references.
  - a. Grounding screws and cables are correctly installed (1).
  - b. EMO is firmly attached (2).
  - c. Fans are properly installed, and rotate freely (3).
  - d. All electronic devices are properly attached (4).
  - e. All relevant Skins exist (5).

**Figure 1: eRack Front**



2. Verify that TEC unit has been installed. If there is an LDSR option, 2 Thermoelectric Coolers (TECs) are installed.



3. Check the following – refer to Figure 2 for references:
    - a. Cables in place (1).
    - b. Lower fans are properly installed, and rotate freely (2).
    - c. EMO firmly attached (3).
    - d. Connectors are properly plugged –  
additionally, verify that at JP9 (4) a  
cable is connected and not the jumper.



- e. TECs are installed (5).

**Figure 2: eRack Back**



## 51. Labels Application

Check that all the labels have been applied according to the updated

- Procedure, Labeling, SpectraShape 10K (P/N 0604063-00x) or
- Aleris tools (P/N 0254277-00x)

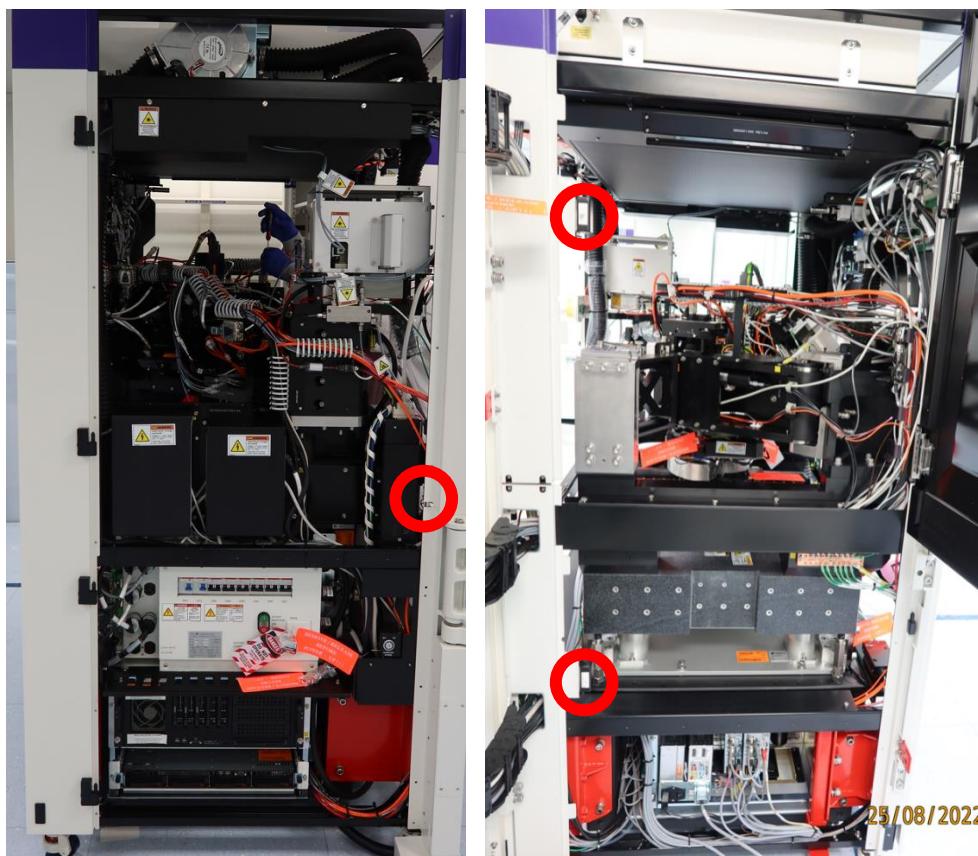
## 52. Interlocks

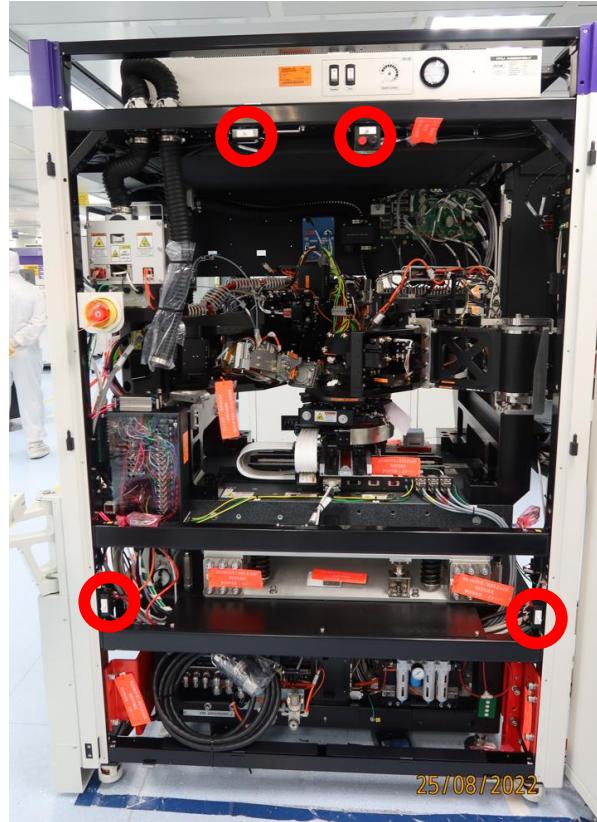
- Verify that all seven interlock switches are installed, and electrically connected. See Figure 3 and Figure 4.

**Figure 3: Front and Back Interlock Switches**

Front

Back



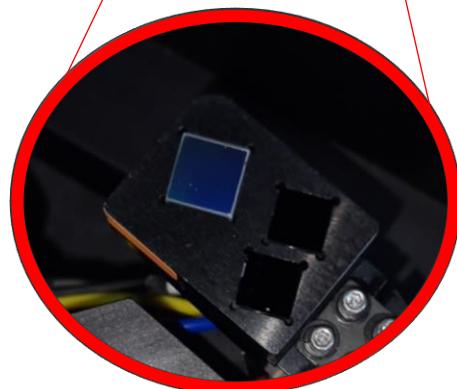
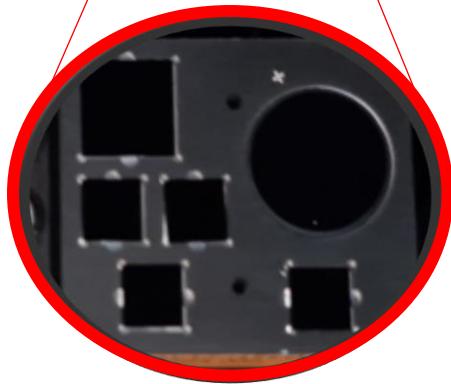
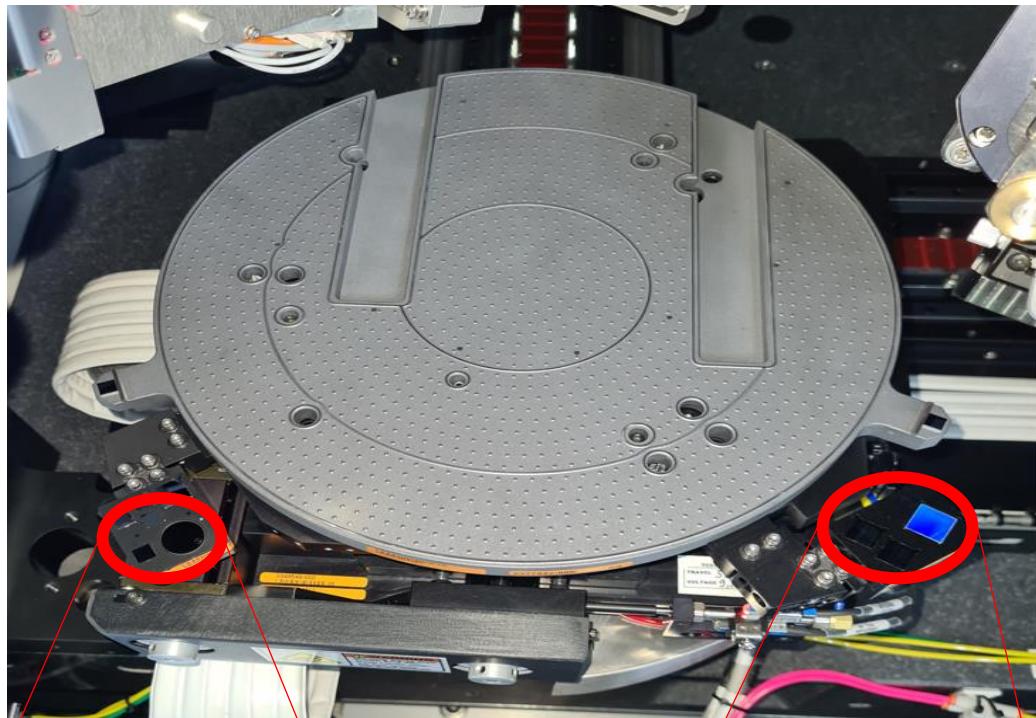
**Figure 4: Right Side Interlock Switches**

2. Close all the panels; then, verify that the light around the main key is ON.



### 53. Ref. Chip and Grating Visual Inspection

Check the ref chip and the grating – Verify that they are not damaged.



### 54. Light Tower

Verify functionality of the Light Tower, according to the [Signal Tower validation procedure](#).

## 55. Bay

Check that the bay is clean and tidy – including the shelves.



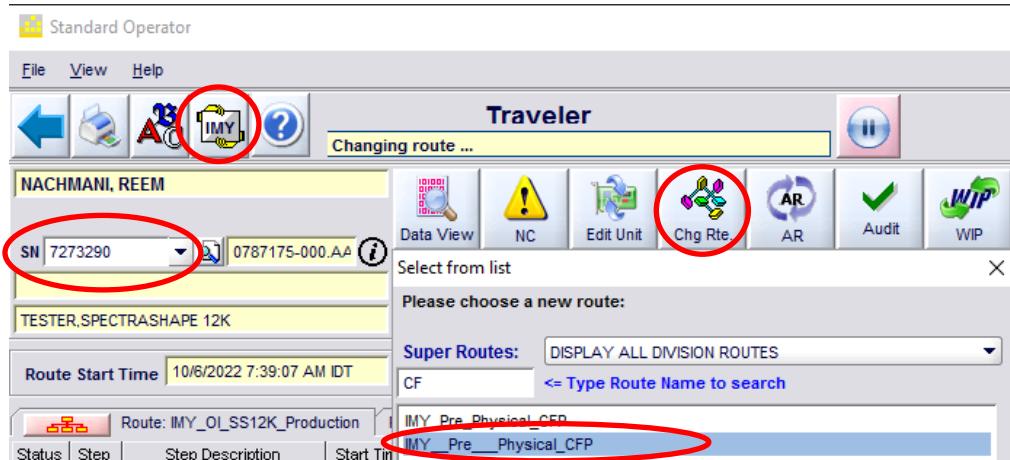
### Note:

If there are any HW gaps, update the FI owner to fix all the issues.  
If some gaps in the Pre-Physical remain unresolved, open a NC and mention it in the final report.

## 56. eQuality

[As a utility, for the below task, click here and use the video “Pre-Physical Final Report”](#)

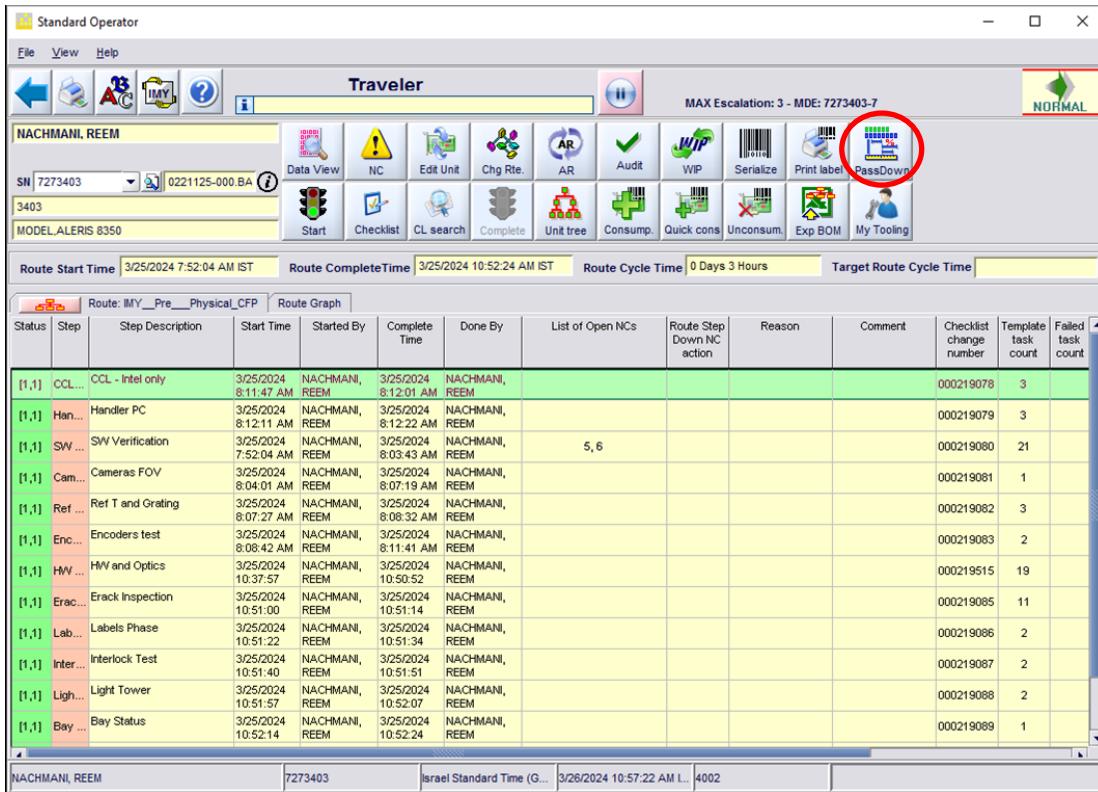
1. Check for Non-conformity (NC) issues.
  - a. Request the tool owner to close all open NCs.
  - b. Capture the relevant part of the screens and send them in the final report.
2. If tool has any rejects that were not resolved in the Pre-Physical phase, open a NC for all the rejects !!!
3. Complete all Pre-Physical tasks in the eQuality route:
  - a. Enter the UTID tool in the SN search bar.
  - b. Navigate to ISRAEL MFG OCD Division (**IMY**).
  - c. Choose the **IMY\_\_Pre\_\_Physical\_CFP** route.



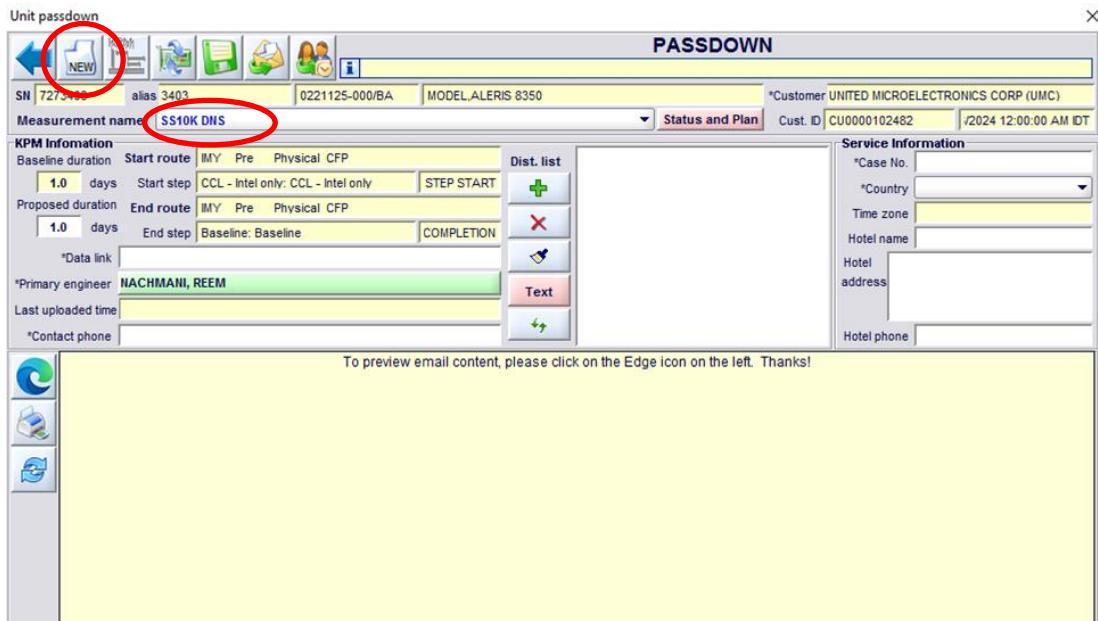
### Note:

All Pre-Physical tasks need to be completed at the actual time that the relevant task is finished.

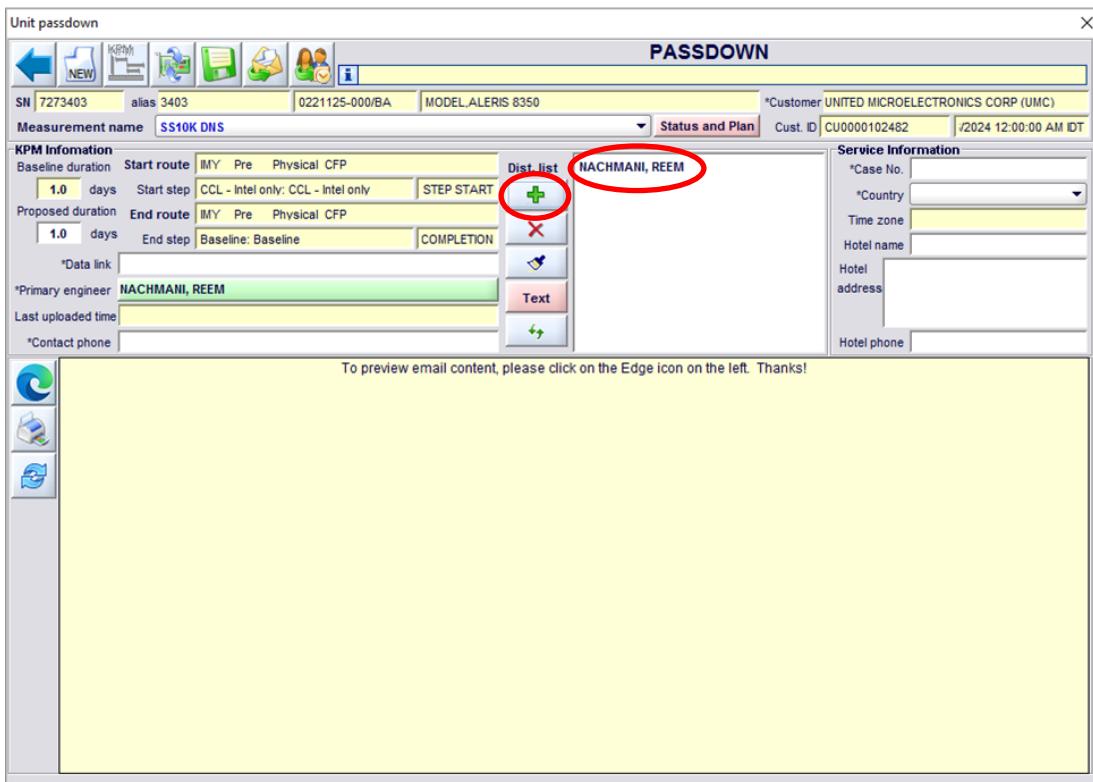
4. After the whole route is completed, click **PassDown**.



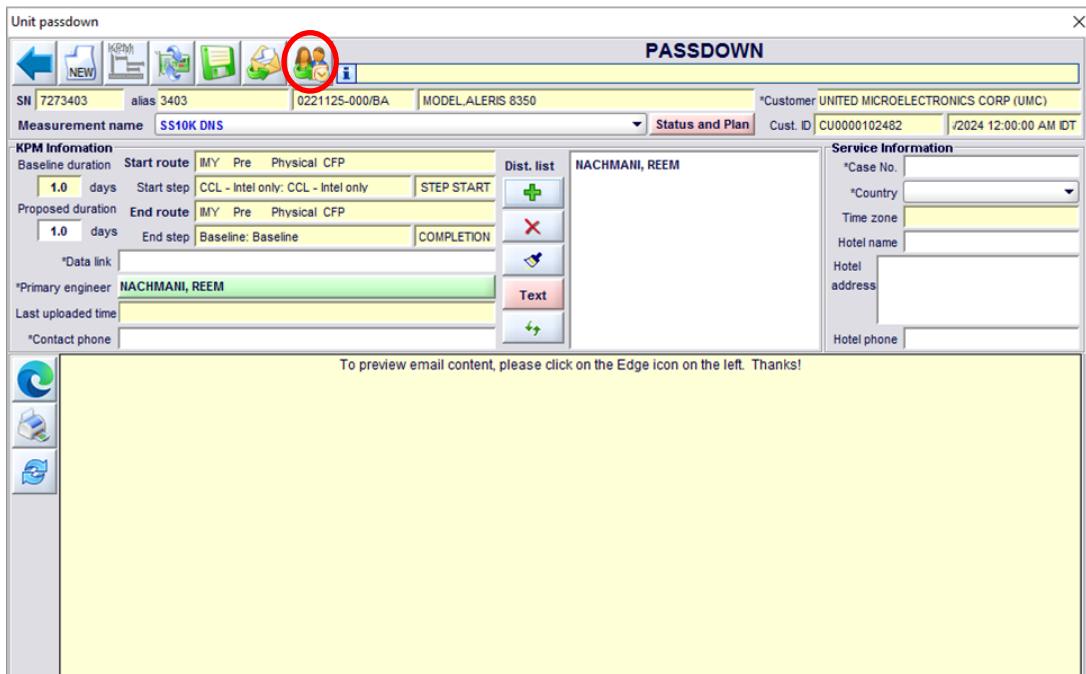
5. Click **New**; then, select the **SS10K DNS KPM** template.



6. On the Dist. List (distribution List), click +, and add yourself to the list.



7. Click the Distribute icon to send the Passdown report.





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Following is the sent report:

## ALERIS | SS10K DNS Passdown Report 7273403 (Alias: )

Unit: 7273403 Alias: Model: ALERIS 8350		SS10K DNS Details									
Unit	Process	Customer									
Serial Number: 7273403	Route: IMY_Pre_Physical_CFP	Customer: Not Available									
Alias:	Actual Start Date: 25 Mar 24	Case: Not Available									
Part Number: 0221125-000	Orig. Comp Date: 26 Mar 24	Engineer: Not Available									
Part Description: MODEL:ALERIS 8350	Actual Comp Date: 25 Mar 24	Not Available									
Tool software version:		Contact Phone: Not Available									
Cycle Time	0% 10% 20% 30% 40% 50% 60% 70% 80% 90% 100%	Fab: Not Available									
Actual Performance	100% complete, Day 1 of 1.0	Ship Date: Not Available									
Committed Performance	COMPLETE - 1 Days AHEAD										
Last system status (18/18)	matching SWE - passed DPN - passed particles - done										
Last system plan (18/18)	pre physical final validation move to CA										
Data Location											

Route: IMY_Pre_Physical_CFP											
Status	Step	Description	Started	Completed	Start. By	Comp. By	Op. Ncs	Total Ncs	Compl. - Total tasks	Co	
[1,1]	CCL- Intel only	Intel only	2024-03-24T23:11:47.000-07:00;America/Los_Angeles	2024-03-24T23:12:01.000-07:00;America/Los_Angeles	NACHMANI, REEM	NACHMANI, REEM			3 - 3		
[1,1]	Handler PC	Handler PC	2024-03-24T23:12:11.000-07:00;America/Los_Angeles	2024-03-24T23:12:22.000-07:00;America/Los_Angeles	NACHMANI, REEM	NACHMANI, REEM			3 - 3		
[1,1]	SW Verification	SW Verification	2024-03-24T22:52:04.066-07:00;America/Los_Angeles	2024-03-24T23:03:43.000-07:00;America/Los_Angeles	NACHMANI, REEM	NACHMANI, REEM	2	2	21 - 21		
[1,1]	Cameras FOV	Cameras FOV	2024-03-24T23:04:01.000-07:00;America/Los_Angeles	2024-03-24T23:07:19.000-07:00;America/Los_Angeles	NACHMANI, REEM	NACHMANI, REEM			1 - 1		
[1,1]	Ref T and Grating	Ref T and Grating	2024-03-24T23:07:27.000-07:00;America/Los_Angeles	2024-03-24T23:08:32.000-07:00;America/Los_Angeles	NACHMANI, REEM	NACHMANI, REEM			3 - 3		
[1,1]	Encoders test	Encoders test	2024-03-24T23:08:42.000-07:00;America/Los_Angeles	2024-03-24T23:11:41.000-07:00;America/Los_Angeles	NACHMANI, REEM	NACHMANI, REEM			2 - 2		
[1,1]	HW and Optics	HW and Optics	2024-03-25T01:37:57.000-07:00;America/Los_Angeles	2024-03-25T01:50:52.000-07:00;America/Los_Angeles	NACHMANI, REEM	NACHMANI, REEM			19 - 19		
[1,1]	Etrack Inspection	Etrack Inspection	2024-03-25T01:51:00.000-07:00;America/Los_Angeles	2024-03-25T01:51:14.000-07:00;America/Los_Angeles	NACHMANI, REEM	NACHMANI, REEM			11 - 11		
[1,1]	Labels Phase	Labels Phase	2024-03-25T01:51:22.000-07:00;America/Los_Angeles	2024-03-25T01:51:34.000-07:00;America/Los_Angeles	NACHMANI, REEM	NACHMANI, REEM			2 - 2		
[1,1]	Interlock Test	Interlock Test	2024-03-25T01:51:40.000-07:00;America/Los_Angeles	2024-03-25T01:51:50.000-07:00;America/Los_Angeles	NACHMANI, REEM	NACHMANI, REEM			2 - 2		
[1,1]	Light Tower	Light Tower	2024-03-25T01:51:57.000-07:00;America/Los_Angeles	2024-03-25T01:52:07.000-07:00;America/Los_Angeles	NACHMANI, REEM	NACHMANI, REEM			2 - 2		
[1,1]	Bay Status	Bay Status	2024-03-25T01:52:14.000-07:00;America/Los_Angeles	2024-03-25T01:52:24.000-07:00;America/Los_Angeles	NACHMANI, REEM	NACHMANI, REEM			1 - 1		
[1,1]	eQuality	eQuality	2024-03-24T23:12:31.000-07:00;America/Los_Angeles	2024-03-24T23:12:42.000-07:00;America/Los_Angeles	NACHMANI, REEM	NACHMANI, REEM			3 - 3		
[1,1]	Baseline	Baseline	2024-03-24T23:12:49.000-07:00;America/Los_Angeles	2024-03-24T23:13:01.000-07:00;America/Los_Angeles	NACHMANI, REEM	NACHMANI, REEM			2 - 2		

## Open NCs(3)

Top

7273403-1 (Alias: )											
Status: Open				Closure							
Unit serial Number: 7273403				Fault Date: 3/4/2024 10:39:03 AM PST							
Part Number: 0221125-000 Rev: BA				Route: IMY_CI_BOXX_Production							
Desc: 7273403-1				Step: 007: Optics Integration							
Supplier: KLA-TENCOR				Owner: SHEDCHTER, DAVID (dshedchte)							
Buyer:											
Planner: MICHAELOVICH, LIMOR											
Created: 2024-02-28T13:58:21.277-08:00;America/Los_Angeles											
Ref Loc:											
Problem Code: CAL/TEST FAILED:SOFTWARE											
- PROBLEM LOG: need to take golden image after CA phase new SW HF-05 and save it under Misc Folder											

7273403-5 (Alias: )											
Status: Open				Closure							
Unit serial Number: 7273403				Fault Date: 3/25/2024 7:51:52 AM PDT							
Part Number: 0221125-000 Rev: BA				Route: IMY_Pre_Physical_CFP							
Desc: 7273403-5				Step: SW Verification: SW Verification							
Supplier: KLA-TENCOR				Owner: NACHMANI, REEM (rnachma)							
Buyer:											
Planner: MICHAELOVICH, LIMOR											
Created: 2024-02-28T13:58:21.277-08:00;America/Los_Angeles											
Ref Loc:											
Problem Code: DOCUMENTATION-INCORRECT / MISSING											
- PROBLEM LOG: CA Owner need to verify Handler SW post CA phase.											

7273403-6 (Alias: )											
Status: Open				Closure							
Unit serial Number: 7273403				Fault Date: 3/25/2024 8:00:01 AM PDT							
Part Number: 0221125-000 Rev: BA				Route: IMY_Pre_Physical_CFP							
Desc: 7273403-6				Step: SW Verification: SW Verification							
Supplier: KLA-TENCOR				Owner: NACHMANI, REEM (rnachma)							
Buyer:											
Planner: MICHAELOVICH, LIMOR											
Created: 2024-02-28T13:58:21.277-08:00;America/Los_Angeles											
Ref Loc:											
Problem Code: DOCUMENTATION-INCORRECT / MISSING											
- PROBLEM LOG: Nexus version on tool doesn't match the required version by configuration.											



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8. On your PC, divide the **Route:xxx** section in the Passdown report into **PASS** and **FAIL** tasks, and save to your disk.

**FAILURES**

Route: IMY_Pre_Physical.CFP											
Status	Step	Description	Started	Completed	Start. By	Comp. By	Open NCs	Total NCs	Compl. - Total tasks	Comments	Due Date
[1,1]	SW Verification	SW Verification	2024-01-30T22:39:43.000-08:00 America/Los_Angeles	2024-01-30T23:06:52.000-08:00 America/Los_Angeles	NACHMANI, REEM	NACHMANI, REEM	2	2	21 - 21	<ul style="list-style-type: none"><li>CA owner need to change back the WITC values from 4 to 1, <a href="#">BOL-CA-Film</a> for your attention.</li><li>CA Owner need to verify Handler SW post CA phase.</li></ul>	Post-CA phase Post-CA phase
[1,1]	Baseline	Baseline	2024-01-30T23:59:18.000-08:00 America/Los_Angeles	2024-01-30T23:59:32.000-08:00 America/Los_Angeles	NACHMANI, REEM	NACHMANI, REEM			2 - 2	• Baseline is needed, <a href="#">BOL-IL-CFP</a> please support	Pre-CA phase

**PASS**

Route: IMY_Pre_Physical.CFP											
Step	Description	Started	Completed	Start. By	Comp. By	Open NCs	Total NCs	Compl. - Total tasks	Comments		
Handler PC	Handler PC	2024-01-30T23:07:38.000-08:00 America/Los_Angeles	2024-01-30T23:07:54:000-08:00 America/Los_Angeles	NACHMANI, REEM	NACHMANI, REEM			3 - 3			
Cameras FOV	Cameras FOV	2024-01-30T23:07:00:000-08:00 America/Los_Angeles	2024-01-30T23:07:10:000-08:00 America/Los_Angeles	NACHMANI, REEM	NACHMANI, REEM			1 - 1			
Ref T and Grating	Ref T and Grating	2024-01-30T23:08:29:000-08:00 America/Los_Angeles	2024-01-30T23:09:44:000-08:00 America/Los_Angeles	NACHMANI, REEM	NACHMANI, REEM			3 - 3			
Encoders test	Encoders test	2024-01-30T23:08:05:000-08:00 America/Los_Angeles	2024-01-30T23:08:19:000-08:00 America/Los_Angeles	NACHMANI, REEM	NACHMANI, REEM			2 - 2			
H/W and Optics	H/W and Optics	2024-01-30T23:55:37:000-08:00 America/Los_Angeles	2024-01-31T00:35:57:000-08:00 America/Los_Angeles	NACHMANI, REEM	NACHMANI, REEM			19 - 19			
Etrack Inspection	Etrack Inspection	2024-01-30T23:55:48:000-08:00 America/Los_Angeles	2024-01-30T23:57:31:000-08:00 America/Los_Angeles	NACHMANI, REEM	NACHMANI, REEM			11 - 11			
Labels Phase	Labels Phase	2024-01-30T23:57:40:000-08:00 America/Los_Angeles	2024-01-30T23:57:52:000-08:00 America/Los_Angeles	NACHMANI, REEM	NACHMANI, REEM			2 - 2			
Interlock Test	Interlock Test	2024-01-30T23:58:00:000-08:00 America/Los_Angeles	2024-01-30T23:58:14:000-08:00 America/Los_Angeles	NACHMANI, REEM	NACHMANI, REEM			2 - 2			
Bay Status	Bay Status	2024-01-30T23:58:39:000-08:00 America/Los_Angeles	2024-01-30T23:58:50:000-08:00 America/Los_Angeles	NACHMANI, REEM	NACHMANI, REEM			1 - 1			

9. Locate the email you initially received for this task; then, click the Reply All icon – attach the edited Passdown report, and send.



## 57. Finalization Steps

1. Open the **Pre-Physical Documentation** file and insert all the relevant documented screenshots (pictures).
2. Ensure that the final report includes the following:
  - Link to the Pre-Physical folder.
  - Process Cycle-Time and Tool Details.
  - **FAILURES** and **PASS** tasks with the POC and Due date for the rejects.

SPECTRAFILM F10 | SS10K DNS Passdown Report 7273682 (Alias: ) Escalation Level 3

Hi all

Summary of the Pre-Physical: [\\visr1nas03\FSFast5\FaST\\_Database\36xx-3699\3682-F10\\_XP\\_L-TSMC\2-Golden\\_Customer\\_Acceptance\4-Pre-Physical](\\visr1nas03\FSFast5\FaST_Database\36xx-3699\3682-F10_XP_L-TSMC\2-Golden_Customer_Acceptance\4-Pre-Physical)

Unit: 7273682 Alias: Model: F10-XP-L		SS10K DNS Details					
Unit	Process	Customer					
Serial Number: 7273682	Route: IMY_Pre_Physical_CFP	Customer: Not Available					
Alias:	Actual Start Date: 31 Jan 24	Contact: Not Available					
Part Number: 0917723-000	Org. Comp Date: 31 Jan 24	Engineer: Not Available					
Part Description: TESTER,SPECTRAFILM F10-L	Actual Comp Date: 31 Jan 24	Not Available					
Tool software version:		Contact Phone: Not Available					
		Feb: Not Available					
		Ship Date: Not Available					
Cycle Time		0% 10% 20% 30% 40% 50% 60% 70% 80% 90% 100%					
Actual Performance		100% complete, Day 1 of 0.6					
Committed Performance		COMPLETE - 1 Days AHEAD					

### FAILURES

Route: IMY_Pre_Physical_CFP											
Status	Step	Description	Started	Completed	Start By	Comp By	Open NCs	Total NCs	Compl. - Total tasks	Comments	Due Date
[1,1]	SW Verification	SW Verification	2024-01-30T23:39:43.000-08:00:America/Los_Angeles	2024-01-30T23:08:52:00-08:00:America/Los_Angeles	NACHMANI, REEM	NACHMANI, REEM	2	2	21 - 21	<ul style="list-style-type: none"><li>CA owner need to change back the WITC values from 4 to 1, <a href="#">@OL-CA-Film</a> for your attention.</li><li>CA Owner need to verify Handler SW post CA phase.</li><li>Baseline is needed, <a href="#">@OL-IL-CFP</a> please support</li></ul>	<ul style="list-style-type: none"><li>Post-CA phase</li><li>Post-CA phase</li><li>Pre-CA phase</li></ul>
[1,1]	Baseline	Baseline	2024-01-30T23:59:18:000-08:00:America/Los_Angeles	2024-01-30T23:59:32:000-08:00:America/Los_Angeles	NACHMANI, REEM	NACHMANI, REEM			2 - 2		

### PASS

Route: IMY_Pre_Physical_CFP											
Step	Description	Started	Completed	Start By	Comp By	Open NCs	Total NCs	Compl. - Total tasks	Comments		
Handler PC	Handler PC	2024-01-30T23:07:38:000-08:00:America/Los_Angeles	2024-01-30T23:07:54:000-08:00:America/Los_Angeles	NACHMANI, REEM	NACHMANI, REEM			3 - 3			
Cameras FOV	Cameras FOV	2024-01-30T23:07:00:000-08:00:America/Los_Angeles	2024-01-30T23:07:10:000-08:00:America/Los_Angeles	NACHMANI, REEM	NACHMANI, REEM			1 - 1			
Ref T and Grating	Ref T and Grating	2024-01-30T23:08:29:000-08:00:America/Los_Angeles	2024-01-30T23:09:44:000-08:00:America/Los_Angeles	NACHMANI, REEM	NACHMANI, REEM			3 - 3			
Encoders test	Encoders test	2024-01-30T23:08:05:000-08:00:America/Los_Angeles	2024-01-30T23:08:19:000-08:00:America/Los_Angeles	NACHMANI, REEM	NACHMANI, REEM			2 - 2			
H/W and Optics	H/W and Optics	2024-01-30T23:55:37:000-08:00:America/Los_Angeles	2024-01-31T00:35:57:000-08:00:America/Los_Angeles	NACHMANI, REEM	NACHMANI, REEM			19 - 19			
Etrack Inspection	Etrack Inspection	2024-01-30T23:55:48:000-08:00:America/Los_Angeles	2024-01-30T23:57:31:000-08:00:America/Los_Angeles	NACHMANI, REEM	NACHMANI, REEM			11 - 11			
Labels Phase	Labels Phase	2024-01-30T23:57:40:000-08:00:America/Los_Angeles	2024-01-30T23:57:52:000-08:00:America/Los_Angeles	NACHMANI, REEM	NACHMANI, REEM			2 - 2			
Interlock Test	Interlock Test	2024-01-30T23:58:00:000-08:00:America/Los_Angeles	2024-01-30T23:58:14:000-08:00:America/Los_Angeles	NACHMANI, REEM	NACHMANI, REEM			2 - 2			
Bay Status	Bay Status	2024-01-30T23:58:39:000-08:00:America/Los_Angeles	2024-01-30T23:58:50:000-08:00:America/Los_Angeles	NACHMANI, REEM	NACHMANI, REEM			1 - 1			



FaST Division

## 3. Open the NCs &amp; Waivers list.

[Open NCs\(7\)](#)[Top](#)

7273682-17 (Alias: )			Status: Open		
Unit serial Number: 7273682		Fail Date: 1/21/2024 3:24:02 PM PST	Closure		
Part Number: 0817723-000 Rev: AC Desc: 7273682-17 Supplier: KLA-TENCOR Buyer: Planner: MALCA, ASAFAF Created: 2023-12-24T13:44:43.075-08:00 America/Los_Angeles Ref Loc:		Route: IMY_SPECTRAFILM_FI_F10_ Step: 034: Health Check F10 - L Owner: DANINO, NETANEL (ndanino)	Fault: KLA-TENCOR		
Problem Code: CAL/TEST FAILED:OPTICAL  - PROBLEM LOG: N2 optimization can't run(br)FTML Fail					
NC ACTIONS					
#	Repair Hrs	Sln	ActionDateBy	ActionCode/Log	Child Unit/PN
1	4.00		1/22/2024 1:31:05 PM PST DANINO, NETANEL	LOG - PLAN OF ACTION - ACTION LOG: Matan Shimon worked on N2 optimization SW(br)didn't solved the problem	

7273682-19 (Alias: )			Status: Open
Unit serial Number: 7273682		Fail Date: 1/23/2024 4:15:51 PM PST	Closure
Part Number: 0817723-000 Rev: AC Desc: 7273682-19 Supplier: KLA-TENCOR Buyer: Planner: MALCA, ASAFAF Created: 2023-12-24T13:44:43.075-08:00 America/Los_Angeles Ref Loc:		Route: IMY_Pre_Physical_CFP Step: SW_Verification: SW_Verification Owner: NACHMANI, REEM (machma)	Fault: KLA-TENCOR
Problem Code: DOCUMENTATION INCORRECT / MISSING  - PROBLEM LOG: CA Owner need to verify Handler SW post CA phase.			

7273682-20 (Alias: )			Status: Open	- Escalation Level: 3 - MDE - Escalation Owner: KURUILKAR, DAN
Unit serial Number: 7273682		Fail Date: 1/24/2024 11:06:27 AM PST	Closure	
Part Number: 0817723-000 Rev: AC Desc: 7273682-20 Supplier: KLA-TENCOR Buyer: Planner: MALCA, ASAFAF Created: 2023-12-24T13:44:43.075-08:00 America/Los_Angeles Ref Loc:		Route: IMY_Pre_Physical_CFP Step: CCL - Intel only: CCL - Intel only Owner: TOLEDANO, SHAI (stoleda)	Fault: KLA-TENCOR	
Problem Code: CAL/TEST FAILED:HANDLER / ROBOT / STAGE  - PROBLEM LOG: ETEL ERROR.(br)(br)Tool cant do reboot with stage error.				

4. Send the report by email to the FI owner, the manager and the team leader.  
CC the relevant DL of CA (Film\CD) and add your team DL-IL-CFP.