Checklist Creation Process

1. Scope and Objective:

This procedure provides a guideline on how to pull data from multiple sources and add it in Checklist. The purpose of this document is to provide detailed instructions on how to reach data at different locations so that any team member can carry out the task correctly every time. The purpose or objective Checklist is to share equipment tool to tool matching data in a Source Checklist which is requested by Customer.

2. Responsibilities:

Sr. No.	Data Source	Data Owner
1	ATAC data	Steven Grout
3	ATAC data (Remote Factory)	Heriberto Rivera
3	Livermore MFG.	Rebecca Farr
4	Osan MFG.	Denial Kang, In Sub So
5	Tualatin MFG.	Curtis Herring
6	Account Team	Sophia Lee
7	Configuration Engineer	Carol Hernandez, Kevin Hoder
8	GSQA	Raj Natraj, Sidharth Jasoriya
9	Cellfusion (PN SN)	Carol Lee
10	CF data (DPG)	Curtis Herring
11	CF dashboards	Tony Kmetetz

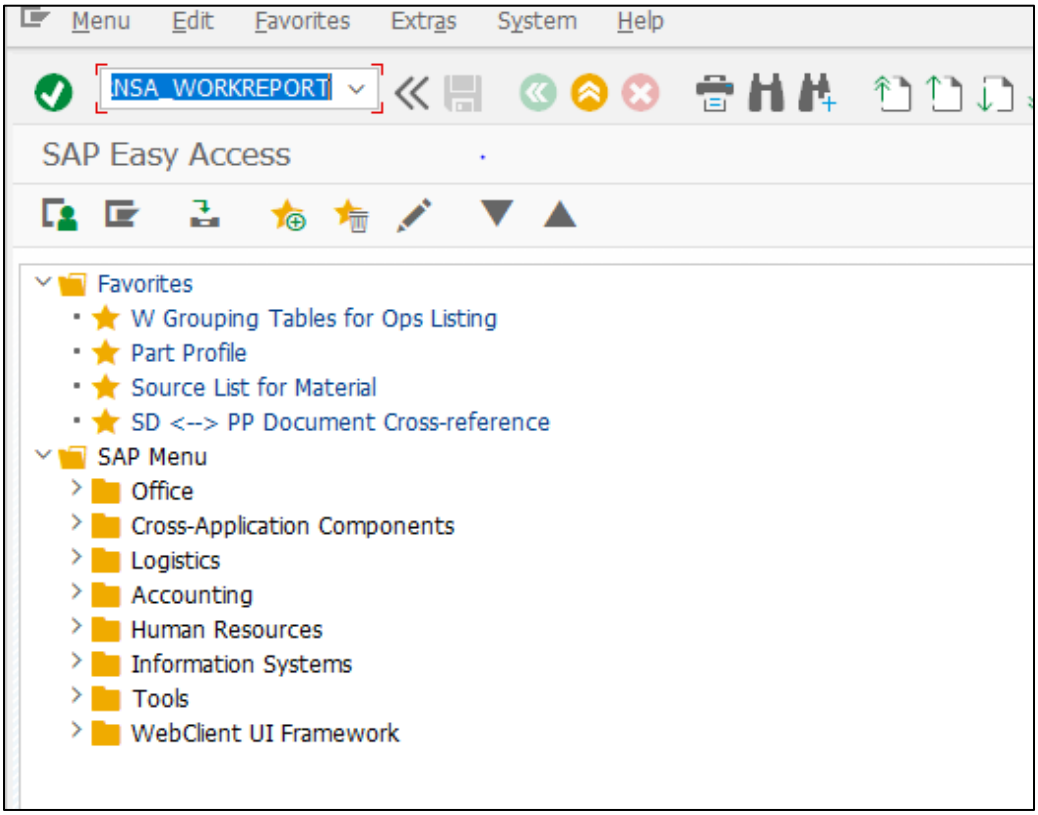
3. Acronyms:

1. **eTTTM:** equipment Tool to Tool Matching
2. **GSQA:** Global Supplier Quality Assurance
3. **CID:** Checklist ID
4. **FCID:** Forecast ID
5. **SAP:** System Applications and Products
6. **CF:** Cellfusion
7. **NSR**: Non Standard Request

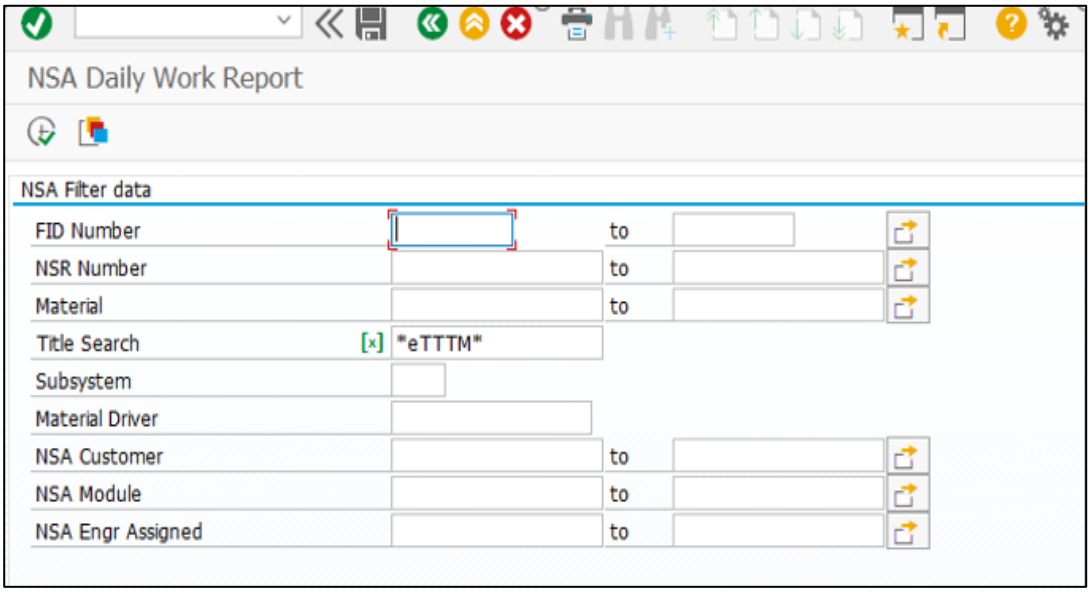
4. Procedure:

1. Update NSR report:

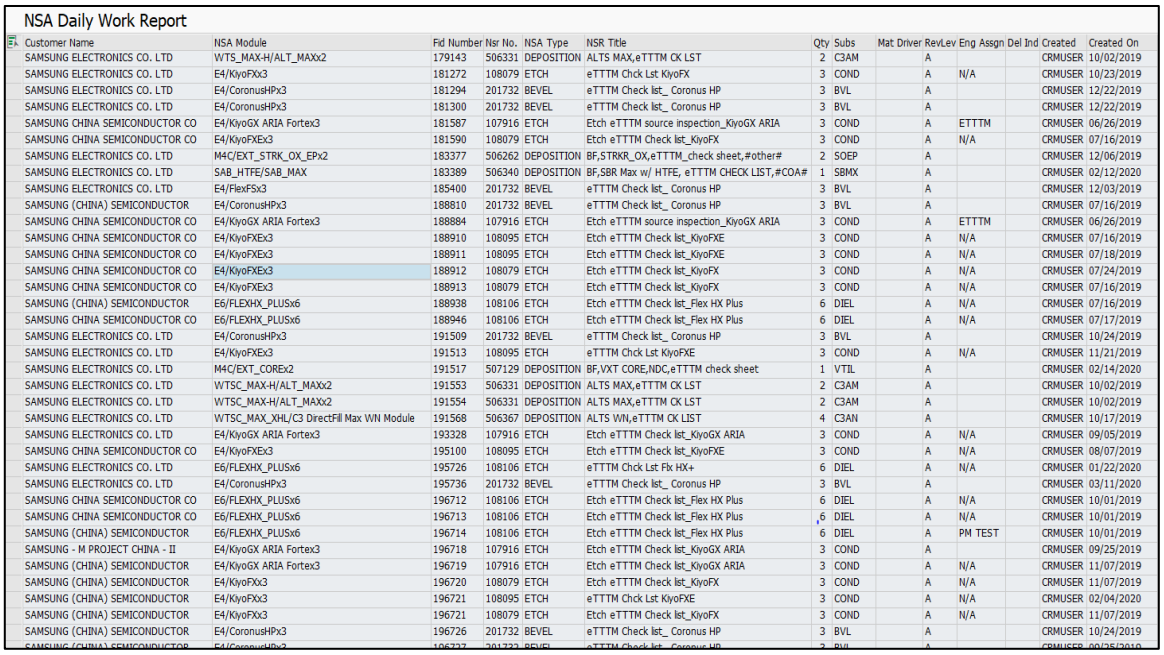
a. To reach NSR report from SAP, process T-code **ZRNSA_WORKREPORT.**



b. Populate Title search with ***eTTTM*.**



c. NSR report will appear, export it in excel format.



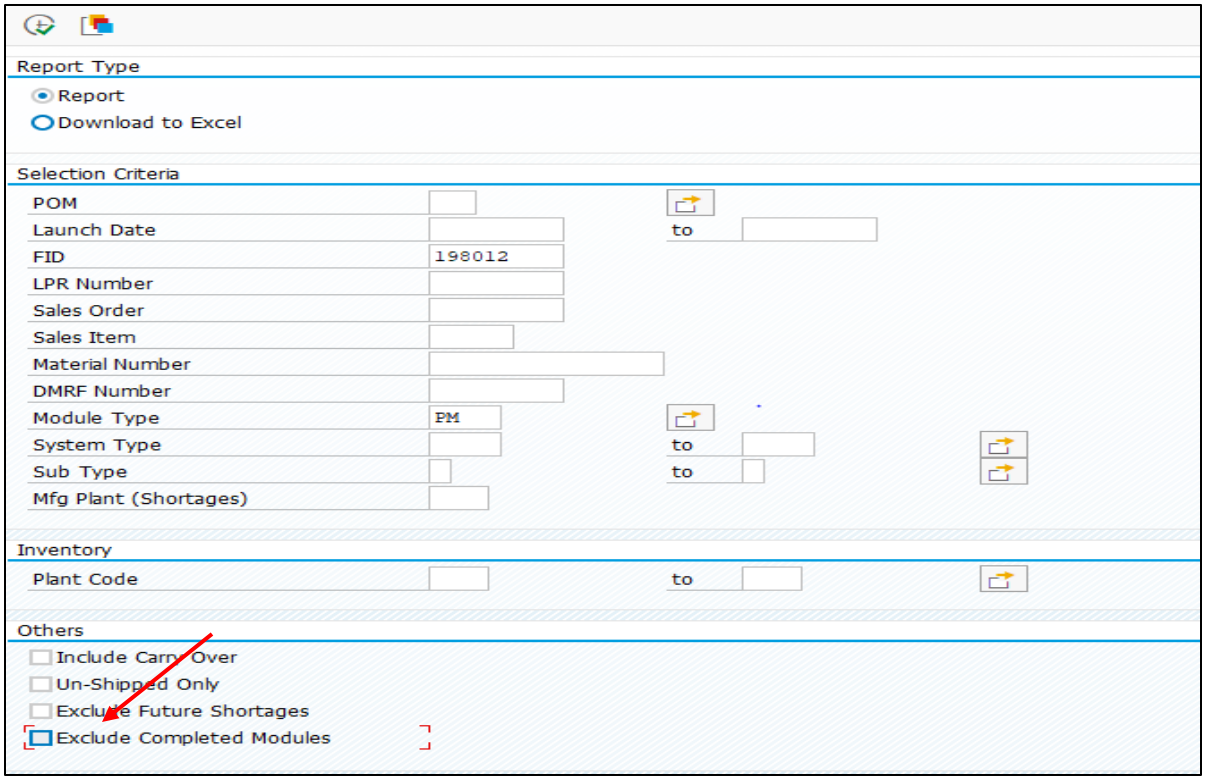
NSA Daily Work Report

Customer Name	NSA Module	Fd Number	Nsr No.	NSA Type	NSR Title	Qty	Subs	Mat Driver	RevLev	Eng Assgn	Del Ind	Created	Created On
SAMSUNG ELECTRONICS CO. LTD	WTS_MAX-H/ALT_MAXx2	179143	506331	DEPOSITION	ALTS MAX,eTTTM CK LST	2	C3AM		A			CRMUSER	10/02/2019
SAMSUNG ELECTRONICS CO. LTD	E4/KiyoFXx3	181272	108079	ETCH	eTTTM Chck Lst KiyoFX	3	COND		A	N/A		CRMUSER	10/23/2019
SAMSUNG ELECTRONICS CO. LTD	E4/CoronusHPx3	181294	201732	BEVEL	eTTTM Check list_ Coronus HP	3	BVL		A			CRMUSER	12/22/2019
SAMSUNG ELECTRONICS CO. LTD	E4/CoronusHPx3	181300	201732	BEVEL	eTTTM Check list_ Coronus HP	3	BVL		A			CRMUSER	12/22/2019
SAMSUNG CHINA SEMICONDUCTOR CO	E4/KiyoGX ARIA Fortex3	181587	107916	ETCH	Etch eTTTM source inspection_KiyoGX ARIA	3	COND		A	ETTTM		CRMUSER	06/26/2019
SAMSUNG CHINA SEMICONDUCTOR CO	E4/KiyoFXEx3	181590	108079	ETCH	Etch eTTTM Check list_KiyoFX	3	COND		A	N/A		CRMUSER	07/16/2019
SAMSUNG ELECTRONICS CO. LTD	M4C/EXT_STRK_OX_EPx2	183377	506262	DEPOSITION	BF,STRKR_OX,eTTTM_check sheet,#other#	2	SOEP		A			CRMUSER	12/06/2019
SAMSUNG ELECTRONICS CO. LTD	SAB_HTFE/SAB_MAX	183389	506340	DEPOSITION	BF,SBR Max w/ HTFE, eTTTM CHECK LIST,#COA#	1	SBMX		A			CRMUSER	02/12/2020
SAMSUNG ELECTRONICS CO. LTD	E4/FlexFSx3	185400	201732	BEVEL	eTTTM Check list_ Coronus HP	3	BVL		A			CRMUSER	12/03/2019
SAMSUNG (CHINA) SEMICONDUCTOR	E4/CoronusHPx3	188810	201732	BEVEL	eTTTM Check list_ Coronus HP	3	BVL		A			CRMUSER	07/16/2019
SAMSUNG CHINA SEMICONDUCTOR CO	E4/KiyoGX ARIA Fortex3	188884	107916	ETCH	Etch eTTTM source inspection_KiyoGX ARIA	3	COND		A	ETTTM		CRMUSER	06/26/2019
SAMSUNG CHINA SEMICONDUCTOR CO	E4/KiyoFXEx3	188910	108095	ETCH	Etch eTTTM Check list_KiyoFXE	3	COND		A	N/A		CRMUSER	07/16/2019
SAMSUNG CHINA SEMICONDUCTOR CO	E4/KiyoFXEx3	188911	108095	ETCH	Etch eTTTM Check list_KiyoFXE	3	COND		A	N/A		CRMUSER	07/18/2019
SAMSUNG CHINA SEMICONDUCTOR CO	E4/KiyoFXEx3	188912	108079	ETCH	Etch eTTTM Check list_KiyoFX	3	COND		A	N/A		CRMUSER	07/24/2019
SAMSUNG CHINA SEMICONDUCTOR CO	E4/KiyoFXEx3	188913	108079	ETCH	Etch eTTTM Check list_KiyoFX	3	COND		A	N/A		CRMUSER	07/16/2019
SAMSUNG (CHINA) SEMICONDUCTOR	E6/FLEXHX_PLUSx6	188938	108106	ETCH	Etch eTTTM Check list_Flex HX Plus	6	DIEL		A	N/A		CRMUSER	07/16/2019
SAMSUNG CHINA SEMICONDUCTOR CO	E6/FLEXHX_PLUSx6	188946	108106	ETCH	Etch eTTTM Check list_Flex HX Plus	6	DIEL		A	N/A		CRMUSER	07/17/2019
SAMSUNG ELECTRONICS CO. LTD	E4/CoronusHPx3	191509	201732	BEVEL	eTTTM Check list_ Coronus HP	3	BVL		A			CRMUSER	10/24/2019
SAMSUNG ELECTRONICS CO. LTD	E4/KiyoFXEx3	191513	108095	ETCH	eTTTM Chck Lst KiyoFXE	3	COND		A	N/A		CRMUSER	11/21/2019
SAMSUNG ELECTRONICS CO. LTD	M4C/EXT_COREx2	191517	507129	DEPOSITION	BF,VXT CORE,NDC,eTTTM check sheet	1	VTIL		A			CRMUSER	02/14/2020
SAMSUNG ELECTRONICS CO. LTD	WTSC_MAX-H/ALT_MAXx2	191553	506331	DEPOSITION	ALTS MAX,eTTTM CK LST	2	C3AM		A			CRMUSER	10/02/2019
SAMSUNG ELECTRONICS CO. LTD	WTSC_MAX-H/ALT_MAXx2	191554	506331	DEPOSITION	ALTS MAX,eTTTM CK LST	2	C3AM		A			CRMUSER	10/02/2019
SAMSUNG ELECTRONICS CO. LTD	WTSC_MAX_XHL/C3 DirectFill Max WN Module	191568	506367	DEPOSITION	ALTS WN,eTTTM CK LIST	4	C3AN		A			CRMUSER	10/17/2019
SAMSUNG ELECTRONICS CO. LTD	E4/KiyoGX ARIA Fortex3	193328	107916	ETCH	Etch eTTTM Check list_KiyoGX ARIA	3	COND		A	N/A		CRMUSER	09/05/2019
SAMSUNG CHINA SEMICONDUCTOR CO	E4/KiyoFXEx3	195100	108095	ETCH	Etch eTTTM Check list_KiyoFXE	3	COND		A	N/A		CRMUSER	08/07/2019
SAMSUNG ELECTRONICS CO. LTD	E6/FLEXHX_PLUSx6	195726	108106	ETCH	eTTTM Chck Lst Flx HX+	6	DIEL		A	N/A		CRMUSER	01/22/2020
SAMSUNG ELECTRONICS CO. LTD	E4/CoronusHPx3	195736	201732	BEVEL	eTTTM Check list_ Coronus HP	3	BVL		A			CRMUSER	03/11/2020
SAMSUNG CHINA SEMICONDUCTOR CO	E6/FLEXHX_PLUSx6	196712	108106	ETCH	Etch eTTTM Check list_Flex HX Plus	6	DIEL		A	N/A		CRMUSER	10/01/2019
SAMSUNG CHINA SEMICONDUCTOR CO	E6/FLEXHX_PLUSx6	196713	108106	ETCH	Etch eTTTM Check list_Flex HX Plus	6	DIEL		A	N/A		CRMUSER	10/01/2019
SAMSUNG (CHINA) SEMICONDUCTOR	E6/FLEXHX_PLUSx6	196714	108106	ETCH	Etch eTTTM Check list_Flex HX Plus	6	DIEL		A	PM TEST		CRMUSER	10/01/2019
SAMSUNG - M PROJECT CHINA - II	E4/KiyoGX ARIA Fortex3	196718	107916	ETCH	Etch eTTTM Check list_KiyoGX ARIA	3	COND		A			CRMUSER	09/25/2019
SAMSUNG (CHINA) SEMICONDUCTOR	E4/KiyoGX ARIA Fortex3	196719	107916	ETCH	Etch eTTTM Check list_KiyoGX ARIA	3	COND		A	N/A		CRMUSER	11/07/2019
SAMSUNG (CHINA) SEMICONDUCTOR	E4/KiyoFXx3	196720	108079	ETCH	Etch eTTTM Check list_KiyoFX	3	COND		A	N/A		CRMUSER	11/07/2019
SAMSUNG (CHINA) SEMICONDUCTOR	E4/KiyoFXx3	196721	108095	ETCH	eTTTM Chck Lst KiyoFXE	3	COND		A	N/A		CRMUSER	02/04/2020
SAMSUNG (CHINA) SEMICONDUCTOR	E4/KiyoFXx3	196721	108079	ETCH	Etch eTTTM Check list_KiyoFX	3	COND		A	N/A		CRMUSER	11/07/2019
SAMSUNG (CHINA) SEMICONDUCTOR	E4/CoronusHPx3	196726	201732	BEVEL	eTTTM Check list_ Coronus HP	3	BVL		A			CRMUSER	10/24/2019

d. Export report and update the NSR file on eTTTM SharePoint site with tool des, FCID, SO, NSR no. and Fab name.

PRODUCT	FCID	SO	NSR	STATUS	SYSTEM DESCRIPTIO	NSR Title	LPR Customer FAB	MCSD	Month	NOTES
ETCH	188938	A6234	108106	APPROVED	E6/FLEXHXx6	Etch eTTTM Check list_Flex HX Plus	SAMSUNG - M PROJECT CHINA - II	8/1/2019	08	Checklist Complete
ETCH	188910	A7623	108095	APPROVED	E4/KiyoFXEx3	Etch eTTTM Check list_KiyoFXE	SAMSUNG - M PROJECT CHINA - II	8/5/2019	08	Checklist Complete
BEVEL	188810	A4768	201732	APPROVED	E4/CoronusHPx3	eTTTM Check list_ Coronus HP	SAMSUNG - M PROJECT CHINA - II	8/10/2019	08	Checklist Complete
ETCH	188911	A5848	108095	APPROVED	E4/KiyoFXEx3	Etch eTTTM Check list_KiyoFXE	SAMSUNG - M PROJECT CHINA - II	8/10/2019	08	Checklist Complete
ETCH	188884	A4778	107916	APPROVED	E4/KiyoGX ARIA Fortex3	Etch eTTTM source inspection_KiyoGX ARIA	SAMSUNG - M PROJECT CHINA - II	8/10/2019	08	Checklist Complete
ETCH	188912	A6571	108079	APPROVED	E4/KiyoFXEx3	Etch eTTTM Check list_KiyoFX	SAMSUNG - M PROJECT CHINA - II	9/20/2019	09	Checklist Complete
ETCH	188913	A7496	108079	APPROVED	E4/KiyoFXEx3	Etch eTTTM Check list_KiyoFX	SAMSUNG - M PROJECT CHINA - II	9/28/2019	09	Checklist Complete
ETCH	181590	A7374	108079	APPROVED	E4/KiyoFXEx3	Etch eTTTM Check list_KiyoFX	SAMSUNG - M PROJECT CHINA - II	10/2/2019	10	Checklist Complete
ETCH	188946	A6238	108106	APPROVED	E6/FLEXHXx6	Etch eTTTM Check list_Flex HX Plus	SAMSUNG - M PROJECT CHINA - II	10/4/2019	10	Checklist Complete
ETCH	199493	A8740	108106	APPROVED	E6/FLEXHX_PLUSx6	Etch eTTTM Check list_Flex HX Plus	SAMSUNG - M PROJECT CHINA - II	10/10/2019	10	Checklist Complete
ETCH	199494	A8738	108106	APPROVED	E6/FLEXHX_PLUSx6	Etch eTTTM Check list_Flex HX Plus	SAMSUNG - M PROJECT CHINA - II	10/15/2019	10	Checklist Complete
DEPOSITION	199273	A8224		TBD	M1C/EXC_DBx2	#N/A	SAMSUNG - M PROJECT CHINA - II	10/15/2019	10	WIP - DPG PRELIMINARY
DEPOSITION	199270	A8474		TBD	M1C/EXC_DB/EXC_MD/E	#N/A	SAMSUNG - M PROJECT CHINA - II	10/18/2019	10	WIP - DPG PRELIMINARY
ETCH	199496	A9360	108106	APPROVED	E6/FLEXHX_PLUSx6	Etch eTTTM Check list_Flex HX Plus	SAMSUNG - M PROJECT CHINA - II	10/20/2019	10	Checklist Complete
ETCH	199495	A9356	108106	APPROVED	E6/FLEXHX_PLUSx6	Etch eTTTM Check list_Flex HX Plus	SAMSUNG - M PROJECT CHINA - II	10/31/2019	10	Checklist Complete
BEVEL	199483	A9476	201732	APPROVED	E4/CoronusHPx3	eTTTM Check list_ Coronus HP	SAMSUNG - M PROJECT CHINA - II	11/5/2019	11	Checklist Complete
ETCH	195100	A9833	108095	APPROVED	E4/KiyoFXEx3	Etch eTTTM Check list_KiyoFXE	SAMSUNG - M PROJECT CHINA - II	11/5/2019	11	Checklist Complete
ETCH	199498	A9463	108106	APPROVED	E6/FLEXHX_PLUSx6	Etch eTTTM Check list_Flex HX Plus	SAMSUNG - M PROJECT CHINA - II	11/5/2019	11	Checklist Complete
ETCH	199499	A9503	108106	APPROVED	E6/FLEXHX_PLUSx6	Etch eTTTM Check list_Flex HX Plus	SAMSUNG - M PROJECT CHINA - II	11/15/2019	11	Checklist Complete
BEVEL	199484	A9767	201732	APPROVED	E4/CoronusHPx3	eTTTM Check list_ Coronus HP	SAMSUNG - M PROJECT CHINA - II	11/16/2019	11	Checklist Complete
ETCH	199035	A9787	108095	APPROVED	E4/KiyoFXEx3	Etch eTTTM Check list_KiyoFXE	SAMSUNG - P II PROJECT DRAM	11/22/2019	11	Checklist Complete
ETCH	181587	A9639	107916	APPROVED	E4/KiyoGX ARIA Fortex3	Etch eTTTM source inspection_KiyoGX ARIA	SAMSUNG - M PROJECT CHINA - II	12/4/2019	12	Checklist Complete
ETCH	199489	A9558	108540	APPROVED	E4/FlexFSEx3	Etch eTTTM Check list_Flex FSE	SAMSUNG - M PROJECT CHINA - II	12/5/2019	12	Checklist Complete
ETCH	200429	A9561	108106	APPROVED	E6/FLEXHX_PLUSx6	Etch eTTTM Check list_Flex HX Plus	SAMSUNG - P PROJECT NAND - II	12/6/2019	12	Checklist Complete
ETCH	200430	A9560	108106	APPROVED	E6/FLEXHX_PLUSx6	Etch eTTTM Check list_Flex HX Plus	SAMSUNG - P PROJECT NAND - II	12/9/2019	12	Checklist Complete
ETCH	199503	B0342	108079	APPROVED	E4/KiyoFXx3/ST45	Etch eTTTM Check list_KiyoFX	SAMSUNG - M PROJECT CHINA - II	12/13/2019	12	Checklist Complete
ETCH	200443	A9568	108540	APPROVED	E4/FlexFSEx3	Etch eTTTM Check list	SAMSUNG - P PROJECT NAND - II	12/18/2019	12	Checklist Complete
ETCH	200435	A9562	107916	APPROVED	E4/KiyoGX ARIA Fortex3	Etch eTTTM Check list_KiyoGX ARIA	SAMSUNG - P PROJECT NAND - II	12/18/2019	12	Checklist Complete
ETCH	198008	B0727	108106	APPROVED	E6/FLEXHX_PLUSx6	Etch eTTTM Check list_Flex HX Plus	SAMSUNG - P PROJECT NAND - II	12/18/2019	12	Checklist Complete
BEVEL	199485	B1368	201732	APPROVED	E4/CoronusHPx3	eTTTM Check list_ Coronus HP	SAMSUNG - M PROJECT CHINA - II	12/19/2019	12	Checklist Complete
BEVEL	199486	B1366	201732	APPROVED	E4/CoronusHPx3	eTTTM Check list_ Coronus HP	SAMSUNG - M PROJECT CHINA - II	12/19/2019	12	Checklist Complete
ETCH	199504	A9569	108095	APPROVED	E4/KiyoFXEx3	Etch eTTTM Check list_KiyoFXE	SAMSUNG - M PROJECT CHINA - II	12/20/2019	12	Checklist Complete

2. To add MCSDs in NSR report, use Sales report or T-code **ZRLPR_SEQD** in SAP. Uncheck **Exclude Completed Modules** option.

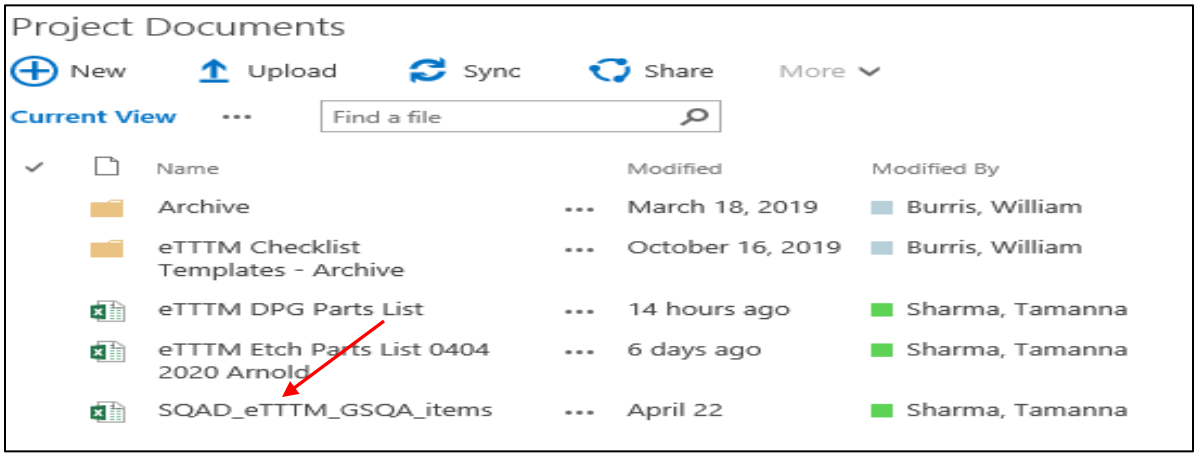


3. Pick FCID from NSR Report to prepare checklist on the basis of MCSDs and open the Checklist

PRODUCT	FCID	SO	NSR	STATUS	SYSTEM DESCRIPTION	LPR Customer FAB	MCSD	NOTES
ETCH	188938	A6234	108106	APPROVED	E6/FLEXHXx6	SAMSUNG - M PROJECT CHINA - II	8/1/2019	Checklist Complete

4. Collect supplier data:

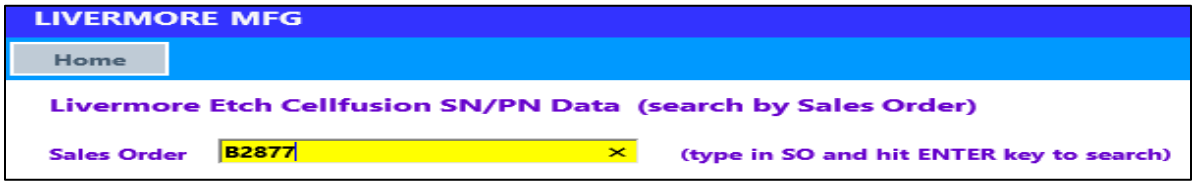
a. Go to Requirement Spec folder on eTTTM SharePoint site. Open Customer Requirement sheet.



b. Collect Part Numbers from customer requirement sheet associated with supplier data for the tool (for FCID).

ID	Minor Categ	Inspection details	Produc	Part Family	PN
15	HF Generator	Check if RF Gen has the high-frequency shielding (including ground)	Flex HX+	RF Generator	660-210105-335
21	Match Box	Check if the starting value of matching is same with ending values	Flex HX+	RF Match	853-040482-665
23	Match Box	Check matching Position Spec	Flex HX+	RF Match	853-040482-665
24	Match Box	Check initial phase matching	Flex HX+	RF Match	853-040482-665
25	Match Box	Check initial impedence matching	Flex HX+	RF Match	853-040482-665
55	Volume	Check whether the chamer machining is processed within standard tolereance	Flex HX+	Process Chamber	715-801020-118

c. Go to CF link and login with SO.

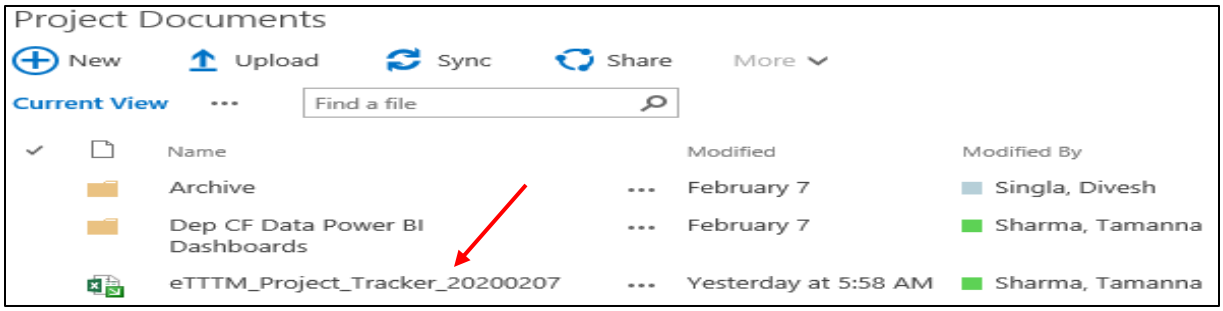


d. Export report as excel sheet and collect SNs for the mentioned PNs.

Sales Order B2877 (type in SO and hit ENTER key to search)

CFSO	CFSOItem	CFPMSN	CFLotSN	CFAssembly	CFOrigMatl	CFFlowID	WorkStation	SOEEvent	CFPartNumber	CFSN
B2877	180	FHXPL-597	FHXPL-597	571-800096-432	571-800096-438	00499292	00106	3320	685-064724-110	1010161-19-46-0023
B2877	180	FHXPL-597	FHXPL-597	571-800096-432	571-800096-438	00499292	00105	3130.P-PROJECT	685-245815-001	110558682
B2877	180	FHXPL-597	FHXPL-597	571-800096-432	571-800096-438	00499292	00105	3125.P-PROJECT	685-245815-001	110558712
B2877	180	FHXPL-597	FHXPL-597	571-800096-432	571-800096-438	00499292	00104	2000	796-001604-014	110606723
B2877	180	FHXPL-597	FHXPL-597	571-800096-432	571-800096-438	00499292	00101	1310.EDW	796-043420-102	208152778
B2877	180	FHXPL-597	FHXPL-597	571-800096-432	571-800096-438	00499292	00101	1015.P-PROJECT	796-231346-103	CAE3/1220
B2877	180	FHXPL-597	FHXPL-597	571-800096-432	571-800096-438	00499292	00103	2100	796-801289-002	110590902
B2877	180	FHXPL-597	FHXPL-597	571-800096-432	571-800096-438	00499292	00107	4310	853-042958-650	102322020100105
B2877	180	FHXPL-597	A10268690	575-013640-438		00499298	00401	2030	660-210103-375	040116032
B2877	180	FHXPL-597	A10268690	575-013640-438		00499298	00401	2015	660-210105-335	040116411
B2877	180	FHXPL-597	A10268690	575-013640-438		00499298	00401	2045.1	660-260960-175	040115473
B2877	180	FHXPL-597	A10268690	575-013640-438		00499298	01402	3420	726-014673-001	A10268690
B2877	180	FHXPL-597	A10268690	575-013640-438		00499298	00401	1000	853-243882-011	1034583-20-06-0005
B2877	180	FHXPL-597	FHXPL-597	575-043960-432	575-043960-438	00499299	03001	1500	715-801020-118	1003306-20-06-1609
B2877	180	FHXPL-597	FHXPL-597	575-043960-432	575-043960-438	00499299	03202	1060	768-093959-001	44455
B2877	180	FHXPL-597	FHXPL-597	575-043960-432	575-043960-438	00499299	03207	4200	771-001032-014	04022057440
B2877	180	FHXPL-597	FHXPL-597	575-043960-432	575-043960-438	00499299	03001	4000	853-041348-796	1043362-20-10-0058
B2877	180	FHXPL-597	FHXPL-597	575-043960-432	575-043960-438	00499299	03204	3165	853-210646-003	1002001 20 09 0063
B2877	180	FHXPL-597	FHXPL-597	575-043960-432	575-043960-438	00499299	03001	1150	859-072664-488	1043362-20-08-0096
B2877	180	FHXPL-597	A10257743	575-800096-432	575-800096-438	00499293	00801	1010.0	715-085777-301	1003306-20-08-0017
B2877	180	FHXPL-597	A10257743	575-800096-432	575-800096-438	00499293	00803	2100.0	715-119652-301	1003306-20-05-5023
B2877	180	FHXPL-597	A10257743	575-800096-432	575-800096-438	00499293	00803	2050.0	715-143206-056	1014664-19-48-0315
B2877	180	FHXPL-597	A10257743	575-800096-432	575-800096-438	00499293	00801	1020.0	726-014673-001	A10257743
B2877	180	FHXPL-597	A10257743	575-800096-432	575-800096-438	00499293	00806	5540.1 ECAT	796-245816-002	110603172
B2877	180	FHXPL-597	A10257743	575-800096-432	575-800096-438	00499293	00801	1220.0	810-066590-004	JABM20035870
B2877	180	FHXPL-597	A10257743	575-800096-432	575-800096-438	00499293	00801	1120.0	839-073449-302	1013895-20-07-1120

e. Open **Project tracker** sheet located in **Orbit internal folder** on eTTTM SharePoint site.

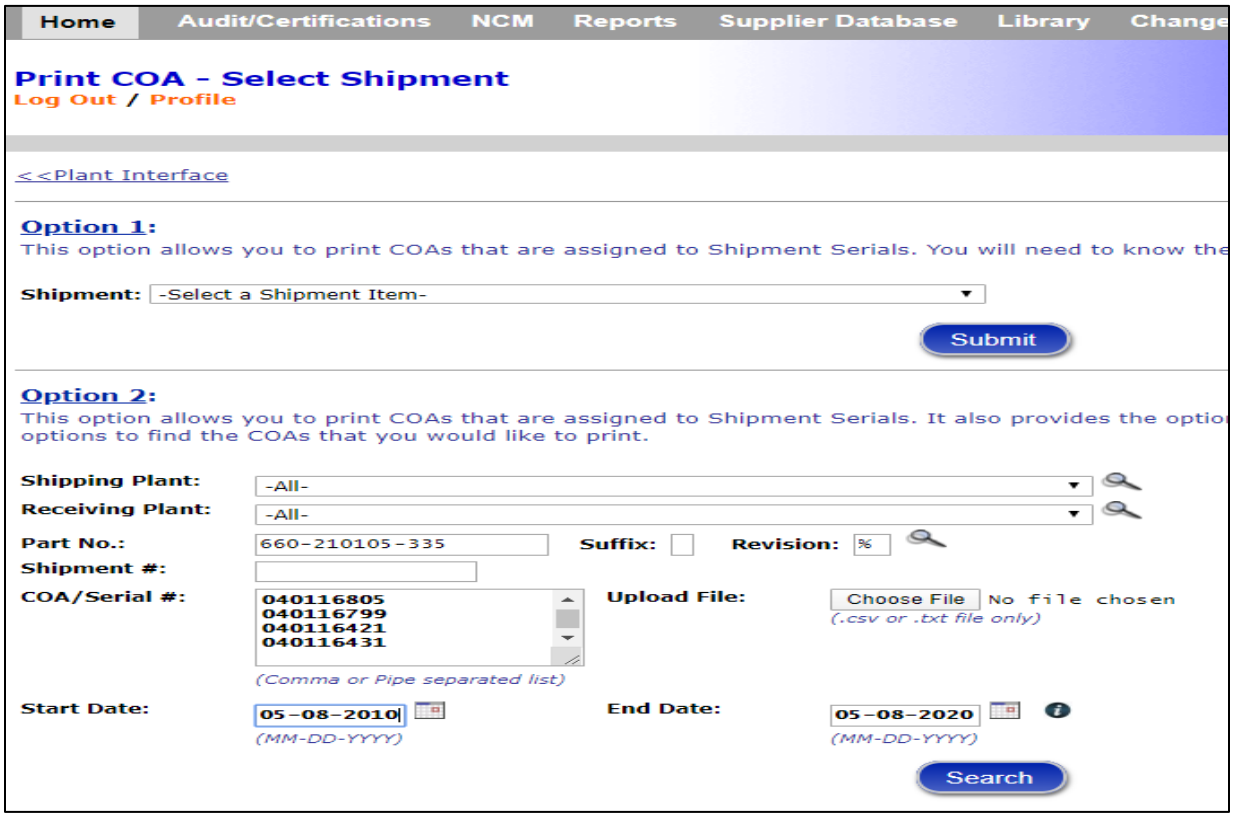


f. Update PN and SNs.

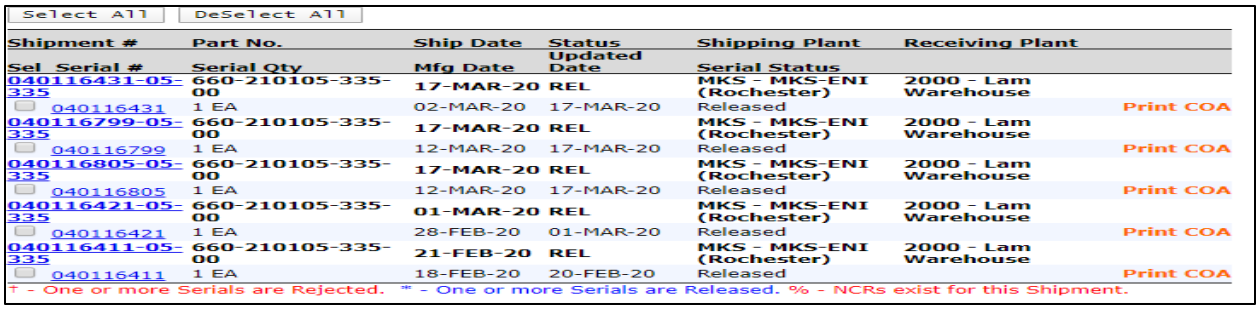
203122_B2877 (FLEX HXP) MCSD 4/27/2020					
PN	660-210105-335	660-210103-375	839-102001-136	853-040482-665	715-801020-118
PMSN	RF Gen	RF Gen	ESC	Match	Chamber
FHXPL-597	040116411	40116032	1035067-111297	1122641	1003306-20-06-1609
FHXPL-598	040115395	40115395	1035067-111143	1132724	1003306-20-05-2022
FHXPL-599	040116805	40116038	1035067-111295	1136494	1003306-20-05-2016
FHXPL-600	40116799	40116196	1035067-111248	1132725	1003306-20-06-1602
FHXPL-601	40116421	40116195	1035067-111225	1132721	1003306-20-05-1625
FHXPL-602	40116431	40116031	1035067-109161	1132740	1003306-20-06-1624

g. Login to GSQA for supplier data.

h. Click on Print COA option, Add PN and SN at defined places and click on Search option.

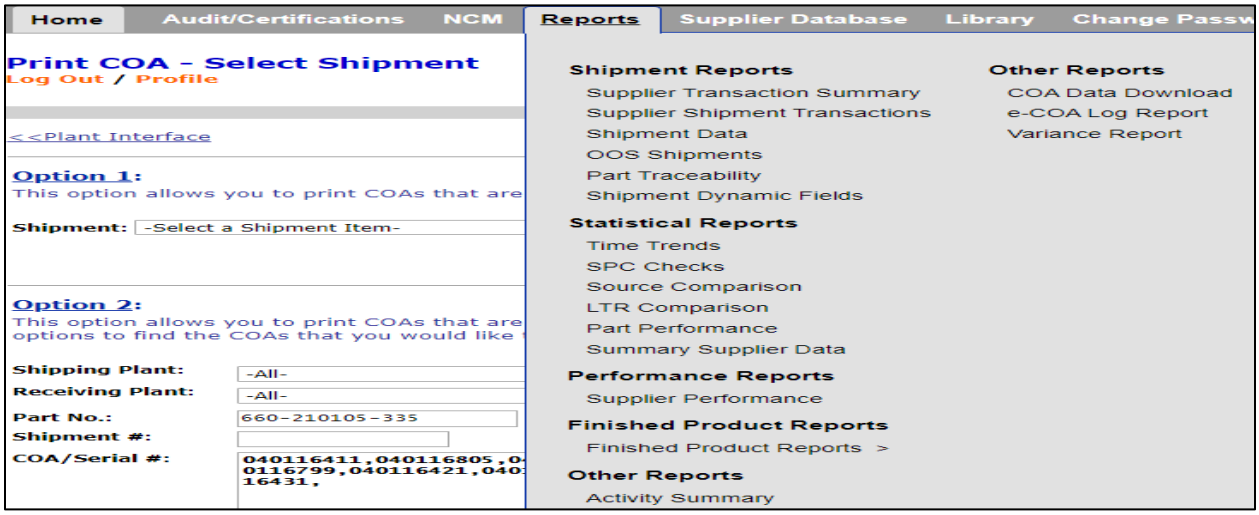


i. For Pass/Fail data, check existence of data in GSQA. If its there it means test pass

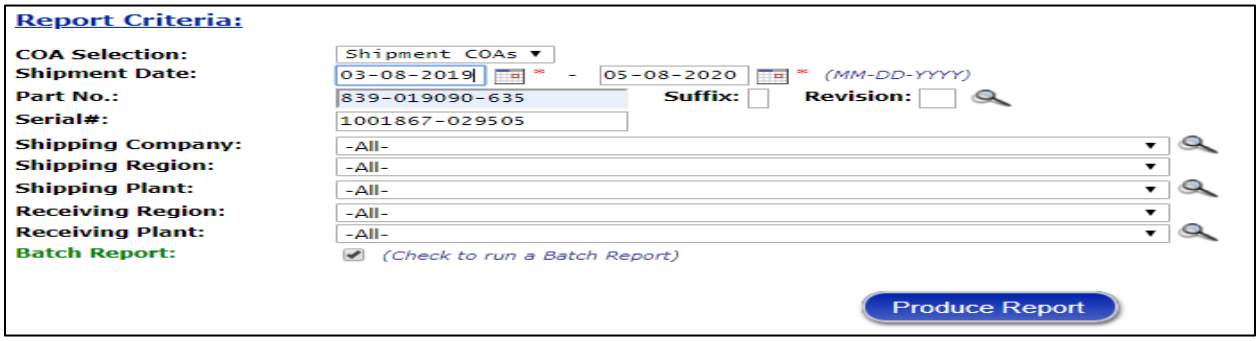


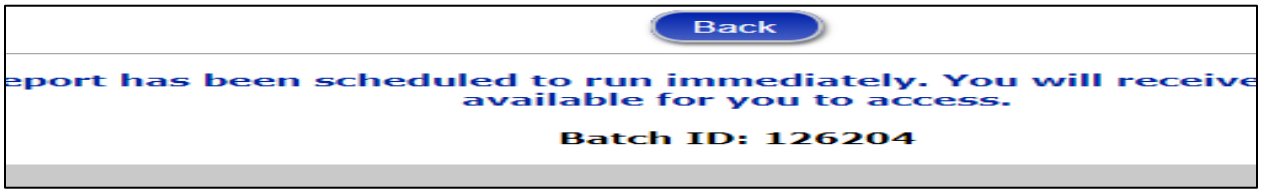
j. For actual data, there are two ways to export data.

k. First way is to Go to **Report** in GSQA, click on **COA data download**.



l. add PN, SNs and date range. Check the Batch report and Batch ID will be generated.



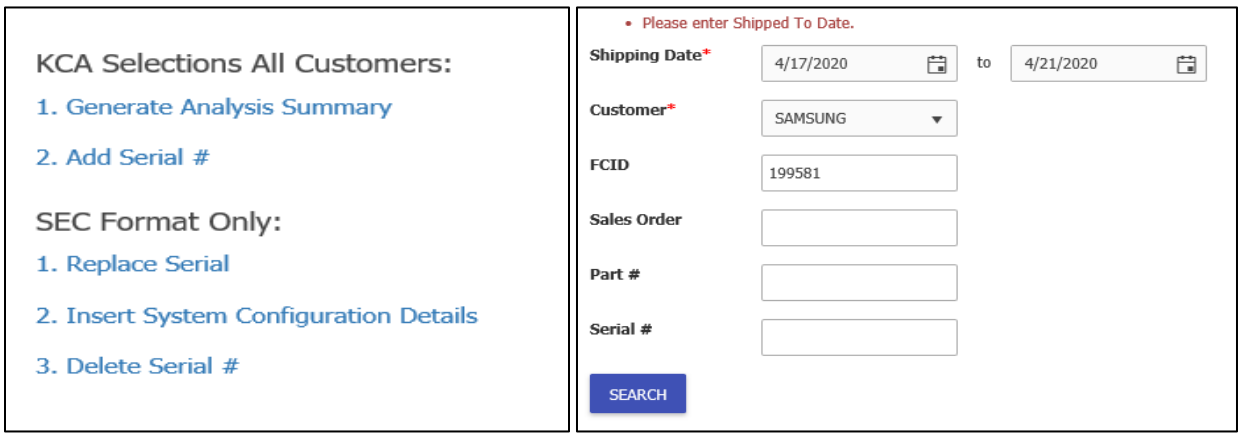


m. Report will be generated. Click on View and you will get data.

Report Name	Report Id (details)	Requested Date	Requested User Id	Access	
COA Data Download (Shipment COAs)	126204	08-MAY-20	SHARMATA	Private (Edit)	View / Delete
COA Data Download (Shipment COAs)	124726	20-MAR-20	SHARMATA	Private (Edit)	View / Delete
COA Data Download (Shipment COAs)	124446	11-MAR-20	SHARMATA	Private (Edit)	View / Delete
COA Data Download (Shipment COAs)	124445	11-MAR-20	SHARMATA	Private (Edit)	View / Delete
COA Data Download (Shipment COAs)	124444	11-MAR-20	SHARMATA	Private (Edit)	View / Delete

Shipment	Part No.	Part Rev #	Shipment Date	Shipment	Shipment	Shipping F	Shipping F	Shipping F	Receiving	Receiving	Receiving	Serial #	COA Prod	Test Code	Test Nam	Measuren	#Obs	Result/Me
9.06E+10	839-01909	3	19-Mar-20	1	EA	1001362	SHINKO	AP	ESC	Lam (ESC (	NA	1001867-0	5-Mar-20	ANGLE1-D	ANGLE [D	Postion Ve	1	144
9.06E+10	839-01909	3	19-Mar-20	1	EA	1001362	SHINKO	AP	ESC	Lam (ESC (	NA	1001867-0	5-Mar-20	FLAT10	FLATNESS	2/A3 Flatn	1	-0.0001
9.06E+10	839-01909	3	19-Mar-20	1	EA	1001362	SHINKO	AP	ESC	Lam (ESC (	NA	1001867-0	5-Mar-20	FLAT11	FLATNESS	2/A3 Flatn	1	-0.0001
9.06E+10	839-01909	3	19-Mar-20	1	EA	1001362	SHINKO	AP	ESC	Lam (ESC (	NA	1001867-0	5-Mar-20	FLAT12	FLATNESS	2/A3 Flatn	1	-0.0002
9.06E+10	839-01909	3	19-Mar-20	1	EA	1001362	SHINKO	AP	ESC	Lam (ESC (	NA	1001867-0	5-Mar-20	FLAT13	FLATNESS	2/A3 Flatn	1	-0.0001
9.06E+10	839-01909	3	19-Mar-20	1	EA	1001362	SHINKO	AP	ESC	Lam (ESC (	NA	1001867-0	5-Mar-20	FLAT14	FLATNESS	2/A3 Flatn	1	0.0001
9.06E+10	839-01909	3	19-Mar-20	1	EA	1001362	SHINKO	AP	ESC	Lam (ESC (	NA	1001867-0	5-Mar-20	FLAT15	FLATNESS	2/A3 Flatn	1	0.0001
9.06E+10	839-01909	3	19-Mar-20	1	EA	1001362	SHINKO	AP	ESC	Lam (ESC (	NA	1001867-0	5-Mar-20	FLAT16	FLATNESS	2/A3 Flatn	1	0.0001
9.06E+10	839-01909	3	19-Mar-20	1	EA	1001362	SHINKO	AP	ESC	Lam (ESC (	NA	1001867-0	5-Mar-20	FLAT17	FLATNESS	2/A3 Flatn	1	0.0001
9.06E+10	839-01909	3	19-Mar-20	1	EA	1001362	SHINKO	AP	ESC	Lam (ESC (	NA	1001867-0	5-Mar-20	FLAT18	FLATNESS	2/A3 Flatn	1	0.0001
9.06E+10	839-01909	3	19-Mar-20	1	EA	1001362	SHINKO	AP	ESC	Lam (ESC (	NA	1001867-0	5-Mar-20	FLAT19	FLATNESS	2/A3 Flatn	1	0.0001
9.06E+10	839-01909	3	19-Mar-20	1	EA	1001362	SHINKO	AP	ESC	Lam (ESC (	NA	1001867-0	5-Mar-20	FLAT20	FLATNESS	2/A3 Flatn	1	0.0001
9.06E+10	839-01909	3	19-Mar-20	1	EA	1001362	SHINKO	AP	ESC	Lam (ESC (	NA	1001867-0	5-Mar-20	FLAT21	FLATNESS	2/A3 Flatn	1	0.0001
9.06E+10	839-01909	3	19-Mar-20	1	EA	1001362	SHINKO	AP	ESC	Lam (ESC (	NA	1001867-0	5-Mar-20	FLAT22	FLATNESS	2/A3 Flatn	1	0.0003
9.06E+10	839-01909	3	19-Mar-20	1	EA	1001362	SHINKO	AP	ESC	Lam (ESC (	NA	1001867-0	5-Mar-20	FLAT23	FLATNESS	2/A3 Flatn	1	0.0003
9.06E+10	839-01909	3	19-Mar-20	1	EA	1001362	SHINKO	AP	ESC	Lam (ESC (	NA	1001867-0	5-Mar-20	FLAT24	FLATNESS	2/A3 Flatn	1	0.0003
9.06E+10	839-01909	3	19-Mar-20	1	EA	1001362	SHINKO	AP	ESC	Lam (ESC (	NA	1001867-0	5-Mar-20	FLAT25	FLATNESS	2/A3 Flatn	1	0.0003
9.06E+10	839-01909	3	19-Mar-20	1	EA	1001362	SHINKO	AP	ESC	Lam (ESC (	NA	1001867-0	5-Mar-20	FLAT26	FLATNESS	2/A3 Flatn	1	0.0003
9.06E+10	839-01909	3	19-Mar-20	1	EA	1001362	SHINKO	AP	ESC	Lam (ESC (	NA	1001867-0	5-Mar-20	FLAT6	FLATNESS	2/A3 Flatn	1	-0.0001
9.06E+10	839-01909	3	19-Mar-20	1	EA	1001362	SHINKO	AP	ESC	Lam (ESC (	NA	1001867-0	5-Mar-20	FLAT7	FLATNESS	2/A3 Flatn	1	-0.0001
9.06E+10	839-01909	3	19-Mar-20	1	EA	1001362	SHINKO	AP	ESC	Lam (ESC (	NA	1001867-0	5-Mar-20	FLAT8	FLATNESS	2/A3 Flatn	1	-0.0002
9.06E+10	839-01909	3	19-Mar-20	1	EA	1001362	SHINKO	AP	ESC	Lam (ESC (	NA	1001867-0	5-Mar-20	FLAT9	FLATNESS	2/A3 Flatn	1	-0.0001
9.06E+10	839-01909	3	19-Mar-20	1	EA	1001362	SHINKO	AP	ESC	Lam (ESC (	NA	1001867-0	5-Mar-20	FLATNESS	FLATNESS	2/A3 Flatn	1	0.0005
9.06E+10	839-01909	3	19-Mar-20	1	EA	1001362	SHINKO	AP	ESC	Lam (ESC (	NA	1001867-0	5-Mar-20	HEIGHT1	HEIGHT [H	2/A7 Over	1	1.5023
9.06E+10	839-01909	3	19-Mar-20	1	EA	1001362	SHINKO	AP	ESC	Lam (ESC (	NA	1001867-0	5-Mar-20	HEIGHT10	HEIGHT [H	2/A7 Over	1	1.502
9.06E+10	839-01909	3	19-Mar-20	1	EA	1001362	SHINKO	AP	ESC	Lam (ESC (	NA	1001867-0	5-Mar-20	HEIGHT11	HEIGHT [H	2/A7 Over	1	1.502
9.06E+10	839-01909	3	19-Mar-20	1	EA	1001362	SHINKO	AP	ESC	Lam (ESC (	NA	1001867-0	5-Mar-20	HEIGHT12	HEIGHT [H	2/A7 Over	1	1.5019

n. Open KCA, go to **KCA selections** and then add FCID and date range. Click on **Search**.



o. An excel file will be generated carrying supplier data.

부품타입코	부품타입 품명	공정	챔버사코드	챔버사	자재코드	규격	설비모델	검사항목	검사코드	Spec	단위	LSL	USL	* Manufact	Chamber S	의뢰번호(M	* 납품일자	* 시리얼번	* 측정값	* 라인(예:	Cpk	검사방법코	검사방법	SUB_LOC
10	신규핵심부	Generator	ETCH	A2D6	램리서치코	Q410-0852	660-07839	KIYO FX	01. Bias A	1968995		W	-9999	-9999	199581	3@0		2020-04-2(	1651943	175.20	X2		-	-	KFX-3388@0
10	신규핵심부	Generator	ETCH	A2D6	램리서치코	Q410-0852	660-07839	KIYO FX	02. Bias A	1968996		W	-9999	-9999	199581	3@0		2020-04-2(	1651943	356.40	X2		-	-	KFX-3388@0
10	신규핵심부	Generator	ETCH	A2D6	램리서치코	Q410-0852	660-07839	KIYO FX	02. Bias D	1968999		us	-9999	-9999	199581	3@0		2020-04-2(	1651943	0.885	X2		-	-	KFX-3388@0
10	신규핵심부	Generator	ETCH	A2D6	램리서치코	Q410-0852	660-07839	KIYO FX	03. Bias A	1968997		W	-9999	-9999	199581	3@0		2020-04-2(	1651943	1475.10	X2		-	-	KFX-3388@0
10	신규핵심부	Generator	ETCH	A2D6	램리서치코	Q410-0852	660-07839	KIYO FX	03. Bias D	1969000		us	-9999	-9999	199581	3@0		2020-04-2(	1651943	0.013	X2		-	-	KFX-3388@0
10	신규핵심부	Generator	ETCH	A2D6	램리서치코	Q410-0852	660-07839	KIYO FX	04. Bias A	1968998		W	-9999	-9999	199581	3@0		2020-04-2(	1651943	2999.90	X2		-	-	KFX-3388@0
10	신규핵심부	Generator	ETCH	A2D6	램리서치코	Q410-0852	660-07839	KIYO FX	04. Bias D	1969001		us	-9999	-9999	199581	3@0		2020-04-2(	1651943	0.122	X2		-	-	KFX-3388@0
10	신규핵심부	Generator	ETCH	A2D6	램리서치코	Q410-0852	660-07839	KIYO FX	05. Bias D	1969002		us	-9999	-9999	199581	3@0		2020-04-2(	1651943	0.0033	X2		-	-	KFX-3388@0
10	신규핵심부	Generator	ETCH	A2D6	램리서치코	Q410-0852	660-07839	KIYO FX	01. Bias A	1968995		W	-9999	-9999	199581	4@0		2020-04-2(	1652448	174.70	X2		-	-	KFX-3389@0
10	신규핵심부	Generator	ETCH	A2D6	램리서치코	Q410-0852	660-07839	KIYO FX	02. Bias A	1968996		W	-9999	-9999	199581	4@0		2020-04-2(	1652448	355.60	X2		-	-	KFX-3389@0
10	신규핵심부	Generator	ETCH	A2D6	램리서치코	Q410-0852	660-07839	KIYO FX	02. Bias D	1968999		us	-9999	-9999	199581	4@0		2020-04-2(	1652448	0.871	X2		-	-	KFX-3389@0
10	신규핵심부	Generator	ETCH	A2D6	램리서치코	Q410-0852	660-07839	KIYO FX	03. Bias A	1968997		W	-9999	-9999	199581	4@0		2020-04-2(	1652448	1472.10	X2		-	-	KFX-3389@0
10	신규핵심부	Generator	ETCH	A2D6	램리서치코	Q410-0852	660-07839	KIYO FX	03. Bias D	1969000		us	-9999	-9999	199581	4@0		2020-04-2(	1652448	0.0322	X2		-	-	KFX-3389@0
10	신규핵심부	Generator	ETCH	A2D6	램리서치코	Q410-0852	660-07839	KIYO FX	04. Bias A	1968998		W	-9999	-9999	199581	4@0		2020-04-2(	1652448	2993.80	X2		-	-	KFX-3389@0
10	신규핵심부	Generator	ETCH	A2D6	램리서치코	Q410-0852	660-07839	KIYO FX	04. Bias D	1969001		us	-9999	-9999	199581	4@0		2020-04-2(	1652448	0.0599	X2		-	-	KFX-3389@0
10	신규핵심부	Generator	ETCH	A2D6	램리서치코	Q410-0852	660-07839	KIYO FX	05. Bias D	1969002		us	-9999	-9999	199581	4@0		2020-04-2(	1652448	0.0446	X2		-	-	KFX-3389@0
10	신규핵심부	Generator	ETCH	A2D6	램리서치코	Q410-0852	660-07839	KIYO FX	01. Bias A	1968995		W	-9999	-9999	199581	2@0		2020-04-2(	1652449	175.00	X2		-	-	KFX-3387@0
10	신규핵심부	Generator	ETCH	A2D6	램리서치코	Q410-0852	660-07839	KIYO FX	02. Bias A	1968996		W	-9999	-9999	199581	2@0		2020-04-2(	1652449	356.00	X2		-	-	KFX-3387@0
10	신규핵심부	Generator	ETCH	A2D6	램리서치코	Q410-0852	660-07839	KIYO FX	02. Bias D	1968999		us	-9999	-9999	199581	2@0		2020-04-2(	1652449	0.893	X2		-	-	KFX-3387@0
10	신규핵심부	Generator	ETCH	A2D6	램리서치코	Q410-0852	660-07839	KIYO FX	03. Bias A	1968997		W	-9999	-9999	199581	2@0		2020-04-2(	1652449	1474.20	X2		-	-	KFX-3387@0
10	신규핵심부	Generator	ETCH	A2D6	램리서치코	Q410-0852	660-07839	KIYO FX	03. Bias D	1969000		us	-9999	-9999	199581	2@0		2020-04-2(	1652449	0.0278	X2		-	-	KFX-3387@0
10	신규핵심부	Generator	ETCH	A2D6	램리서치코	Q410-0852	660-07839	KIYO FX	04. Bias A	1968998		W	-9999	-9999	199581	2@0		2020-04-2(	1652449	2999.20	X2		-	-	KFX-3387@0
10	신규핵심부	Generator	ETCH	A2D6	램리서치코	Q410-0852	660-07839	KIYO FX	04. Bias D	1969001		us	-9999	-9999	199581	2@0		2020-04-2(	1652449	0.126	X2		-	-	KFX-3387@0
10	신규핵심부	Generator	ETCH	A2D6	램리서치코	Q410-0852	660-07839	KIYO FX	05. Bias D	1969002		us	-9999	-9999	199581	2@0		2020-04-2(	1652449	0.0045	X2		-	-	KFX-3387@0
10	신규핵심부	Generator	ETCH	A2D6	램리서치코	Q410-0670	660-07839	KIYO FX	01. TCP A	1832629		W	-9999	-9999	199581	3@0		2020-04-2(	1655745	139.20	X2		-	-	KFX-3388@0
10	신규핵심부	Generator	ETCH	A2D6	램리서치코	Q410-0670	660-07839	KIYO FX	02. TCP A	1832630		W	-9999	-9999	199581	3@0		2020-04-2(	1655745	646.30	X2		-	-	KFX-3388@0
10	신규핵심부	Generator	ETCH	A2D6	램리서치코	Q410-0670	660-07839	KIYO FX	03. TCP A	1832631		W	-9999	-9999	199581	3@0		2020-04-2(	1655745	1796.80	X2		-	-	KFX-3388@0
10	신규핵심부	Generator	ETCH	A2D6	램리서치코	Q410-0670	660-07839	KIYO FX	04. TCP A	1832632		W	-9999	-9999	199581	3@0		2020-04-2(	1655745	2996.90	X2		-	-	KFX-3388@0
10	신규핵심부	Generator	ETCH	A2D6	램리서치코	Q410-0670	660-07839	KIYO FX	01. TCP A	1832629		W	-9999	-9999	199581	4@0		2020-04-2(	1660832	139.40	X2		-	-	KFX-3389@0
10	신규핵심부	Generator	ETCH	A2D6	램리서치코	Q410-0670	660-07839	KIYO FX	02. TCP A	1832630		W	-9999	-9999	199581	4@0		2020-04-2(	1660832	646.80	X2		-	-	KFX-3389@0
10	신규핵심부	Generator	ETCH	A2D6	램리서치코	Q410-0670	660-07839	KIYO FX	03. TCP A	1832631		W	-9999	-9999	199581	4@0		2020-04-2(	1660832	1798.60	X2		-	-	KFX-3389@0
10	신규핵심부	Generator	ETCH	A2D6	램리서치코	Q410-0670	660-07839	KIYO FX	04. TCP A	1832632		W	-9999	-9999	199581	4@0		2020-04-2(	1660832	2999.00	X2		-	-	KFX-3389@0
10	신규핵심부	Generator	ETCH	A2D6	램리서치코	Q410-0670	660-07839	KIYO FX	01. TCP A	1832629		W	-9999	-9999	199581	2@0		2020-04-2(	1661537	139.10	X2		-	-	KFX-3387@0
10	신규핵심부	Generator	ETCH	A2D6	램리서치코	Q410-0670	660-07839	KIYO FX	02. TCP A	1832630		W	-9999	-9999	199581	2@0		2020-04-2(	1661537	646.20	X2		-	-	KFX-3387@0
10	신규핵심부	Generator	ETCH	A2D6	램리서치코	Q410-0670	660-07839	KIYO FX	03. TCP A	1832631		W	-9999	-9999	199581	2@0		2020-04-2(	1661537	1797.60	X2		-	-	KFX-3387@0
10	신규핵심부	Generator	ETCH	A2D6	램리서치코	Q410-0670	660-07839	KIYO FX	04. TCP A	1832632		W	-9999	-9999	199581	2@0		2020-04-2(	1661537	2997.10	X2		-	-	KFX-3387@0
10	신규핵심부	Matcher	ETCH	A2D6	램리서치코	Q310-4933	832-12973	KIYO FX	01. Bias S	1832617		Ω	-9999	-9999	199581	4@0		2020-04-2(	1583109	0.2949	X2		-	-	KFX-3389@0
10	신규핵심부	Matcher	ETCH	A2D6	램리서치코	Q310-4933	832-12973	KIYO FX	02. Bias S	1832618		Ω	-9999	-9999	199581	4@0		2020-04-2(	1583109	-40.4578	X2		-	-	KFX-3389@0

p. Check PN which need actual data in Appian, if its approved only then data will be shared.
q. Add test description, measured value and UOM in the Addendum 2 of the Checklist template for the tool.
r. If data is missing in GSQA, contact GSQA team and they will work with supplier to get data in GSQA.

5. Add ATAC data:

a. In the Checklist Template Data Source, Table Name and Field are mentioned against the Checklist IDs which require ATAC data.

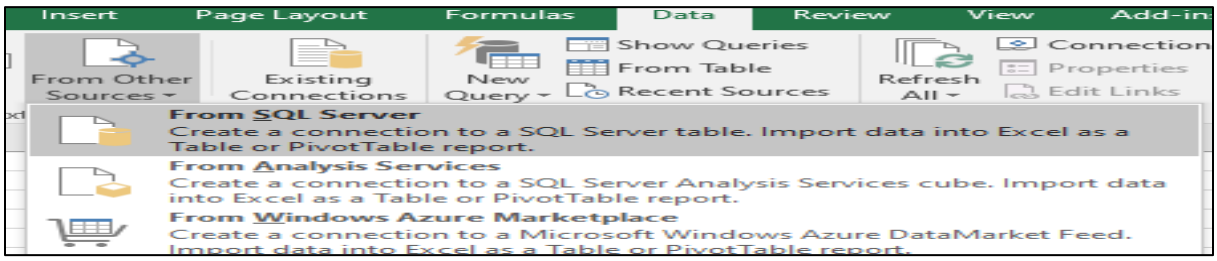
Lam RESEARCH

DESCRIPTION:
FCID:
SALES ORDER:
SHIP DATE:

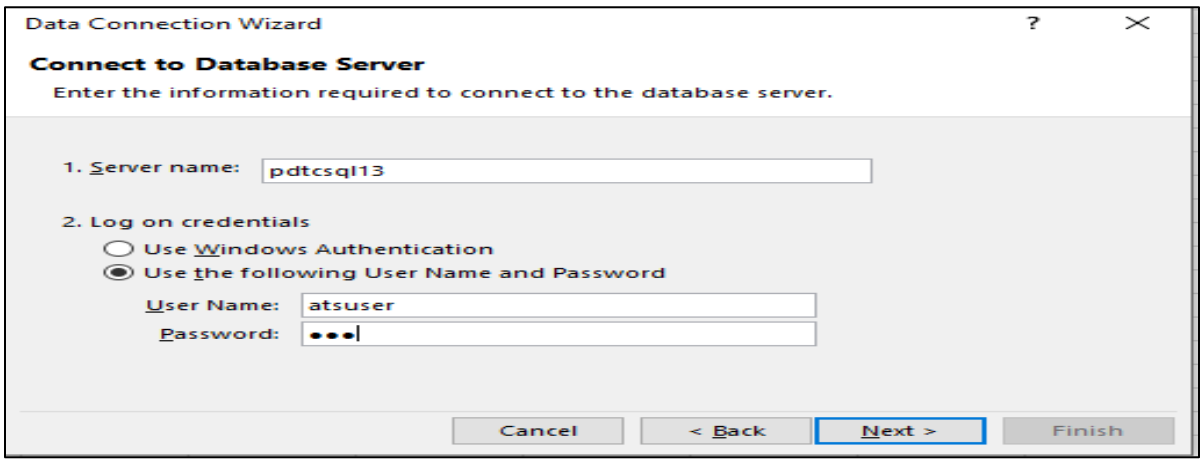
Large Category		Middle Category		Minor Category			Inspection details		ID	eTTTM Checklist Description	Data Format	eTTTM Results
Large Categ	n		n		n							
1. Planning /Production (Specifications)	1.1	TURBO PUMP	1.1.1	TMP	1	Check if the model name is the same with SEC POR model		1	Turbo Pump P/N verified	P/N	
									Turbo Pump Model		
					2	Check if the Max Speed is the same with SEC POR model		2	TMP conductance test Max Speed	Pass/Fail	
					3	Check if the capacity is the same with SEC POR model		3	TMP capacity validated at mfg automated test conductance test	Pass/Fail	
			1.1.2	CONTROLLER	4	Check if the model is the same with SEC POR model		4	Turbo Pump Controller P/N Verified	P/N	
									Turbo Pump Controller Model		
					5	Check if the communication method is the same with SEC POR model		5	Turbo Pump Controller mfg automated test communication	Pass/Fail	
	1.2	APC (Throttle Gate v/v)	1.2.1	APC	6	Check if the ID size is the same with SEC POR model		6	APC P/N verified	P/N	
									APC Model		
					7	Check the alignment of open position		7	APC mfg automated test check alignment of Open Position	Pass/Fail	
					8	Check the alignment of close position		8	APC mfg automated test check alignment of Close Position	Pass/Fail	
			1.2.2	Controller	9	Check if the model is the same with SEC POR model		9	APC Controller P/N verified	P/N	
									APC Model		
					10	Check the software virsion with SEC POR model					
					11	Check if the communication method is the same with SEC POR model		10	APC Controller mfg automated test communication	Pass/Fail	
			1.2.3	Conductance check	12	Check the result of the conductance		11	APC mfg automated test conductance test	Pass/Fail	
	1.3	RF	1.3.1	HF Generator	13	Check if the model is the same with SEC POR model		12	HF Generator P/N verified	P/N	
									HF Generator Model		
					14	Check whether the pulsing type is required or not					
					15	Check if Max Power is the same with SEC POR model		13	HF Generator mfg automated test Linearity test	Pass/Fail	
					16	Ensure that the output control method is the same with SEC POR model		14	HF Generator output control communication test	Pass/Fail	
					17	Check if RF Gen has the high-frequency shielding (including ground)		15	HF Generator harmonics final test	Pass/Fail	

Data Owner		Kiyo FXE	
	Data Source	Table/Report	Field
Steven G.	ATAC	PM_Conductance_Learn_Table	OVER_ALL_RESULT
Steven G.	ATAC	PM_Conductance_Learn_Table	OVER_ALL_RESULT
Steven G.	ATAC	PM_Conductance_Learn_Table	OVER_ALL_RESULT
Steven G.	ATAC	PM_Conductance_Learn_Table	OVER_ALL_RESULT
Steven G.	ATAC	PM_Conductance_Learn_Table	OVER_ALL_RESULT
Steven G.	ATAC	PM_Conductance_Learn_Table	OVER_ALL_RESULT
Steven G.	ATAC	PM_Conductance_Learn_Table	OVER_ALL_RESULT
Steven G.	ATAC	PM_TCP_RF_Linearity_Table	OVER_ALL_RESULT
Steven G.	ATAC	PM_TCP_RF_Linearity_Table	OVER_ALL_RESULT
Steven G.	ATAC	PM_Bias_RF_Linearity_Table	OVER_ALL_RESULT
Steven G.	ATAC	PM_Bias_RF_Linearity_Table	OVER_ALL_RESULT
Steven G.	ATAC	Kiyo3x_VCI_Probe_wTestHardware_Table	SLOPE
Steven G.	ATAC	PM_Conductance_Learn_Table	OVER_ALL_RESULT
Steven G.	ATAC_Subassembly	BiasElectrode_Lifter_BSR_LinerDoor_CycleSpeedCheck_	OVER_ALL_RESULT
Steven G.	ATAC	PM_Node_Comm_Table	OVER_ALL_RESULT
Steven G.	ATAC	PM_Vacuum_Integrity_Table	chamberROR
Steven G.	ATAC	PM_Vacuum_Integrity_Table	chamberROR
Steven G.	ATAC	PM_Disconnect_Table	OVER_ALL_RESULT
Steven G.	ATAC_Subassembly	Bias_Electrode_Tunable_ESC_Resistance_Table	OUTER_HEATER_RESISTANCE MID_INNER_HEATER_RESISTANCE MID_OUTER_HEATER_RESISTANCE

b. Go to excel sheet. Click on **Data** and then select **From SQL Server.**

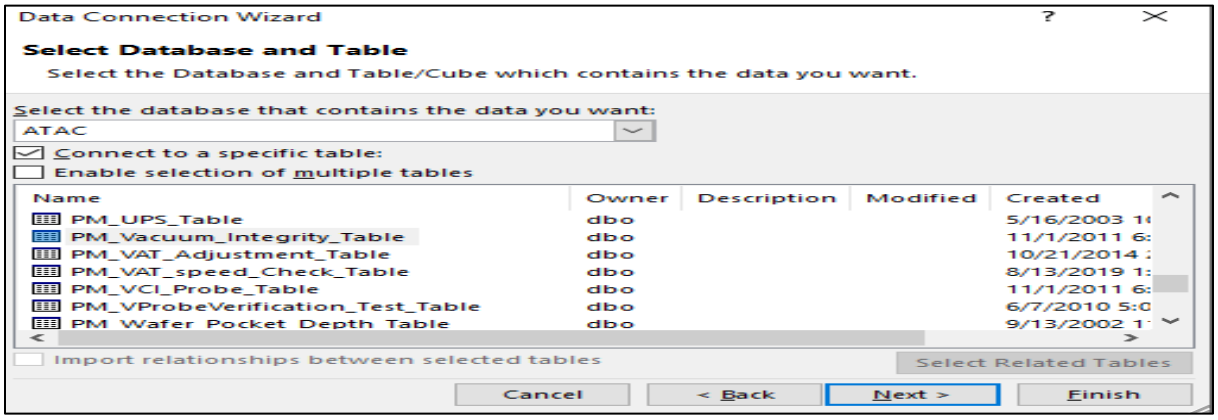


c. Login to SQL DB with following details:



i. Server Name: pdtcsql13
ii. User Name : atsuser
iii. Password: xyz

d. Select defined data source e.g. ATAC and then table name.



e. Search for the FCID /SO (remote factory) for tool on which we are working, under EID.
f. Add EID , Serial Number and test results for the mentioned fields.

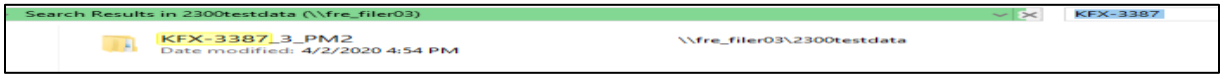
EID	SERIAL_NUMBER	chamberROR
199581-PM2	KFX-3387	0.7792
199581-PM3	KFX-3388	0.6764
199581-PM4	KFX-3389	0.9428

g. Add Pass/Fail data in main/ First sheet of the checklist template and Actual data for multiple modules will be added in Addendum-2.
h. Repeat this process for all ATAC data related IDs.
i. In case data is missing contact data owner and populate the data ID as Data not available.
j. For some IDs, no path is defined so we write data source is not defined.

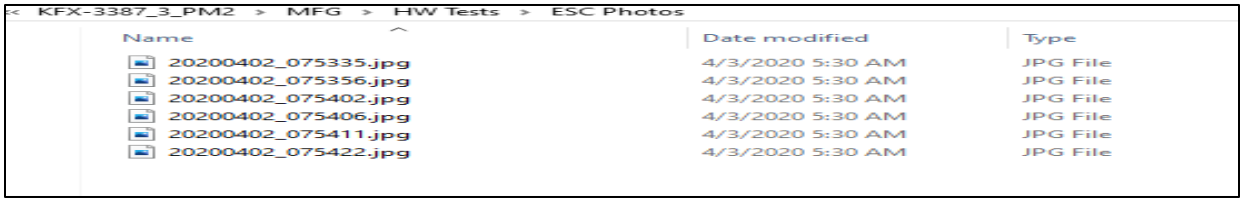
Data Owner	Data Source	Table/Report
Heriberto		Eddie - Is there any Test Data related to this
Heriberto		Eddie - Is there any Test Data related to this
Heriberto	Testing checks Flow not Max Value	
Heriberto	This is not Documented - has not been a requirement configured from Cellfusio	

6. Add Images from Fre_filer

a. Search for Fre_filer03 and then enter in folder 2300 test data.
b. Search for the PMSN.



c. Folder will appear, dig in the folder.
d. You will find ESC images for PMSN, somewhere in MFG folder.



e. Copy the link and paste it in addendum-2 against the ID.

199581-PM2	KFX-3387		\\fre_filer03\2300testdata\KFX-3387_3_PM2\MFG\HW Tests\ESC Photos
199581-PM3	KFX-3388		\\fre_filer03\2300testdata\KFX-3388_3_PM3\MFG\HW Tests\ESC pics
199581-PM4	KFX-3389		\\fre_filer03\2300testdata\KFX-3389_3_PM4\MFG\HW Tests\ESC Pic

7. CF data (for DPG Tools):

a. This point is applicable only for Dep Tool Checklists.

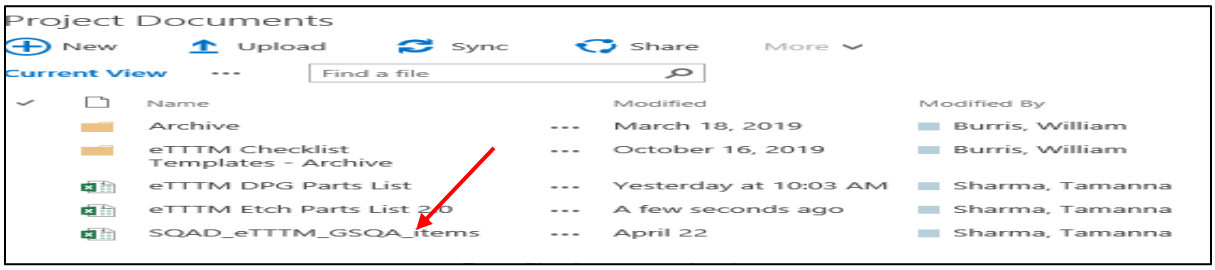
b. We have Power BI dashboards and excel file which keep on updating as data is updated in CF.

c. We copy data and add it against the metric IDs.

8. PN Verification:

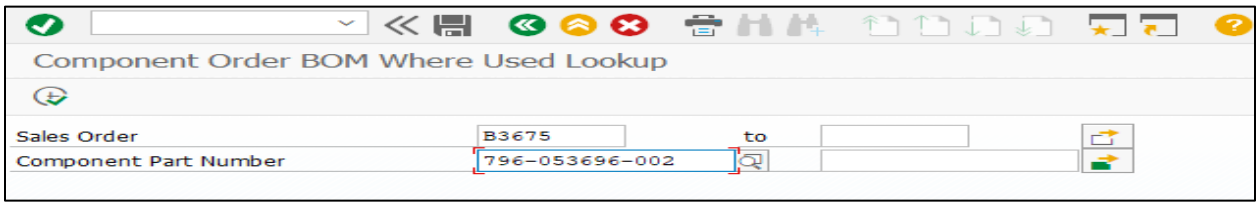
For Livermore and Tualatin Tools:

a. Copy PNs from the file containing PNs on eTTTM SharePoint site in Requirement Spec folder.



Produc	Category	Commodity	ID	Data Forma	P/N	Model
KIYO FXE	TURBO PUMP	TMP	1	P/N	796-053696-001	U66621A2
KIYO FXE	TURBO PUMP	CONTROLLER	4	P/N	796-046752-003	121671
KIYO FXE	APC (Throttle Gate v/v)	APC	6	P/N	719-901160-223	65148-PHHX-CBG1
KIYO FXE	APC (Throttle Gate v/v)	Controller	9	P/N	796-130484-223	865747
KIYO FXE	RF	TCP Generator	12	P/N	660-078399-205	3156330-160
KIYO FXE	RF	Bias Generator	16	P/N	660-078399-106	3156330-164
KIYO FXE	RF	Match Box TCP	19	P/N	853-043759-223	NO
KIYO FXE	RF	Match Box Bias	20	P/N	832-129731-013	3155301-023
KIYO FXE	SFEM	Robot	33	P/N	799-139163-005	NT520BFD60055
KIYO FXE	SFEM	Side Buffer	35	P/N	857-195674-601 857-195674-602	
KIYO FXE	SFEM	Load Port	38	P/N	857-289085-401	NO
KIYO FXE	TM	Robot (VTM)	48	P/N	799-085668-009	501600-594-0001-1-FBK
KIYO FXE	TM	Gate Door Rocker Valve	49	P/N	715-067213-002	351976
KIYO FXE	Chamber	Chamber Body	50	P/N	715-801020-014	NO
KIYO FXE	Chamber	ESC	57	P/N	719-101612-887	NO
KIYO FXE	Chamber	Lift Pin	58	P/N	716-800621-021	NO
KIYO FXE	Chamber	Corvus Pin	58	P/N	716-207828-350	NO
KIYO FXE	Chamber	OES	60	P/N	685-064724-103	5500640176
KIYO FXE	Chamber	IEP (or other EPD system)	61	P/N	NA	
KIYO FXE	Process Kit	ESC	66	P/N	719-101612-887	NO

b. Go to Sap and process T-code **ZOBOMWUD**.
c. Add SO and paste PNs and execute it.



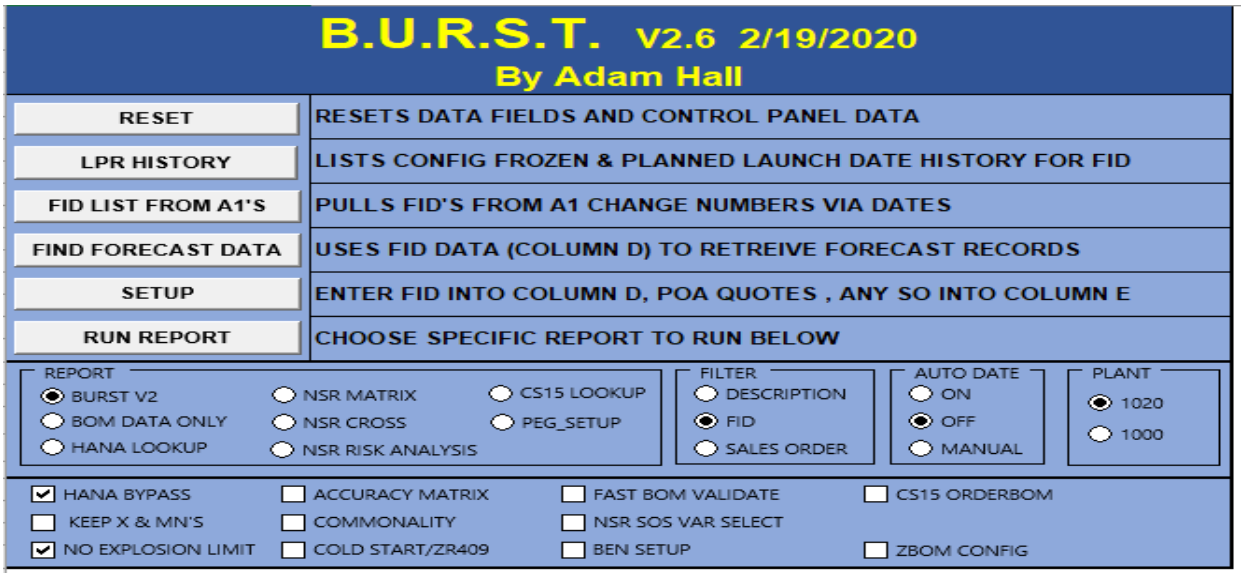
d. PNs with status (Part found/Part not found) will appear.

Part Number	Sales Order	Item	Top Level	Top Level Description	Message	Qty Fo...	BKO R...
660-078399-106	B3675	000330	848-007228-004	FTR,PROCESS MODULE, POSITION 4	Part Found	1	
660-078399-106	B3675	000330	848-007228-003	FTR,PROCESS MODULE, POSITION 3	Part Found	1	
660-078399-106	B3675	000330	848-007228-002	FTR,PROCESS MODULE, POSITION 2	Part Found	1	
660-078399-205	B3675	000330	848-007228-002	FTR,PROCESS MODULE, POSITION 2	Part Found	1	
660-078399-205	B3675	000330	848-007228-004	FTR,PROCESS MODULE, POSITION 4	Part Found	1	
660-078399-205	B3675	000330	848-007228-003	FTR,PROCESS MODULE, POSITION 3	Part Found	1	
685-064724-002	B3675	000330	571-003644-001	CONFIG,SHIP WITH,PM	Part Found	3	
715-042721-866	B3675	000330	571-003644-001	CONFIG,SHIP WITH,PM	Part Found	3	
715-045710-821	B3675	000330	571-003644-001	CONFIG,SHIP WITH,PM	Part Found	3	
715-059638-603	B3675	000330	571-003644-001	CONFIG,SHIP WITH,PM	Part Found	3	
715-067214-001	B3675	000600	571-073682-B3675	CONFIG,TM,VTM, 2300	Part Found	3	
715-801020-014	B3675	000330	848-007228-003	FTR,PROCESS MODULE, POSITION 3	Part Found	1	
715-801020-014	B3675	000330	848-007228-002	FTR,PROCESS MODULE, POSITION 2	Part Found	1	
715-801020-014	B3675	000330	848-007228-004	FTR,PROCESS MODULE, POSITION 4	Part Found	1	
716-123867-208	B3675	000330	571-003644-001	CONFIG,SHIP WITH,PM	Part Found	3	
716-207828-350	B3675	N/A			Part Not Found	0	
716-236356-476	B3675	N/A			Part Not Found	0	
716-800621-021	B3675	000330	848-007228-004	FTR,PROCESS MODULE, POSITION 4	Part Found	3	
716-800621-021	B3675	000330	848-007228-002	FTR,PROCESS MODULE, POSITION 2	Part Found	3	
716-800621-021	B3675	000330	848-007228-003	FTR,PROCESS MODULE, POSITION 3	Part Found	3	
719-003481-861	B3675	000330	571-003644-001	CONFIG,SHIP WITH,PM	Part Found	3	
719-901160-223	B3675	000330	848-007228-004	FTR,PROCESS MODULE, POSITION 4	Part Found	1	
719-901160-223	B3675	000330	848-007228-003	FTR,PROCESS MODULE, POSITION 3	Part Found	1	
719-901160-223	B3675	000330	848-007228-002	FTR,PROCESS MODULE, POSITION 2	Part Found	1	
796-046752-003	B3675	000330	848-007228-002	FTR,PROCESS MODULE, POSITION 2	Part Found	2	
796-046752-003	B3675	000330	848-007228-003	FTR,PROCESS MODULE, POSITION 3	Part Found	2	
796-046752-003	B3675	000330	848-007228-004	FTR,PROCESS MODULE, POSITION 4	Part Found	2	
796-053696-002	B3675	000330	848-007228-002	FTR,PROCESS MODULE, POSITION 2	Part Found	1	
796-053696-002	B3675	000330	848-007228-003	FTR,PROCESS MODULE, POSITION 3	Part Found	1	
796-053696-002	B3675	000330	848-007228-004	FTR,PROCESS MODULE, POSITION 4	Part Found	1	
796-130484-223	B3675	000330	848-007228-004	FTR,PROCESS MODULE, POSITION 4	Part Found	1	
796-130484-223	B3675	000330	848-007228-002	FTR,PROCESS MODULE, POSITION 2	Part Found	1	
796-130484-223	B3675	000330	848-007228-003	FTR,PROCESS MODULE, POSITION 3	Part Found	1	
799-085668-009	B3675	000600	571-073682-B3675	CONFIG,TM,VTM, 2300	Part Found	1	
799-139163-005	B3675	001029	571-073683-B3675	CONFIG, SFEM, 3 LPM	Part Found	1	
832-129731-015	B3675	000330	848-007228-004	FTR,PROCESS MODULE, POSITION 4	Part Found	1	
832-129731-015	B3675	000330	848-007228-002	FTR,PROCESS MODULE, POSITION 2	Part Found	1	
832-129731-015	B3675	000330	848-007228-003	FTR,PROCESS MODULE, POSITION 3	Part Found	1	
853-043759-223	B3675	000330	848-007228-004	FTR,PROCESS MODULE, POSITION 4	Part Found	1	
853-043759-223	B3675	000330	848-007228-002	FTR,PROCESS MODULE, POSITION 2	Part Found	1	
853-043759-223	B3675	000330	848-007228-003	FTR,PROCESS MODULE, POSITION 3	Part Found	1	
857-289085-401	B3675	001029	571-073683-B3675	CONFIG, SFEM, 3 LPM	Part Found	3	
NA	B3675	N/A			Part Not Found	0	

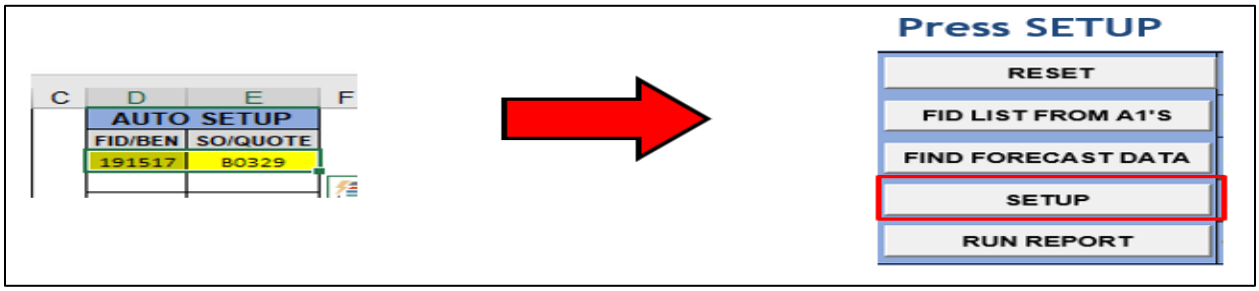
e. PNs found in OBOM will be added against the IDs along with Model No.
f. PN not found will be absent in checklist and ID will be filled with PN not available in OBOM.

For LMK Tools:

a. Open tool BURST V2.
b. **On the CONTROL_PANEL tab, select "BURST V2", check "HANA BYPASS" and "NO EXPLOSION LIMIT".**
c. COLD START / ZR409 should NOT be checked for large BOM pulls since it is a very resource heavy feature.



d. On the CONTROL_PANEL tab, enter FCID in (FID/BEN) column and enter the Sales Order in (SO/QUOTE) column.



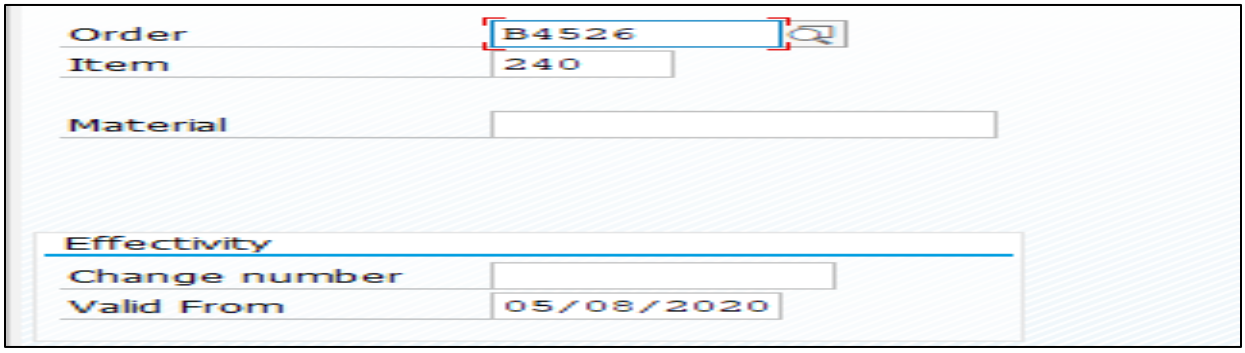
e. If data filed tab is blank, then enter the following:

G	H	I	J	K	L	M	N
FID	ITEM	MATERIAL	DESC.	SO/QUOTE	QTY	BOM	MRP DATE
191517	579	571-281953-B0329B	VEXT CORE	B0329	1	O	2/14/2020
191517	579	571-281953-B0329C	VEXT CORE	B0329	1	O	2/14/2020
191517	749	571-264647-B0329	MACH4 CEFEMFE	B0329	1	O	2/10/2020
191517	749	571-235189-B0329	MACH4 CEFEMBE	B0329	1	O	2/10/2020
191517	143	570-232118-001	570-232118-001	B0329	1	P	3/3/2020
191517	260	570-241286-030	570-241286-030	B0329	1	P	3/3/2020
191517	270	570-284196-020	570-284196-020	B0329	1	P	3/3/2020
191517	60	570-274333-030	570-274333-030	B0329	1	P	3/3/2020
191517	589	570-284114-020	570-284114-020	B0329	1	P	3/3/2020

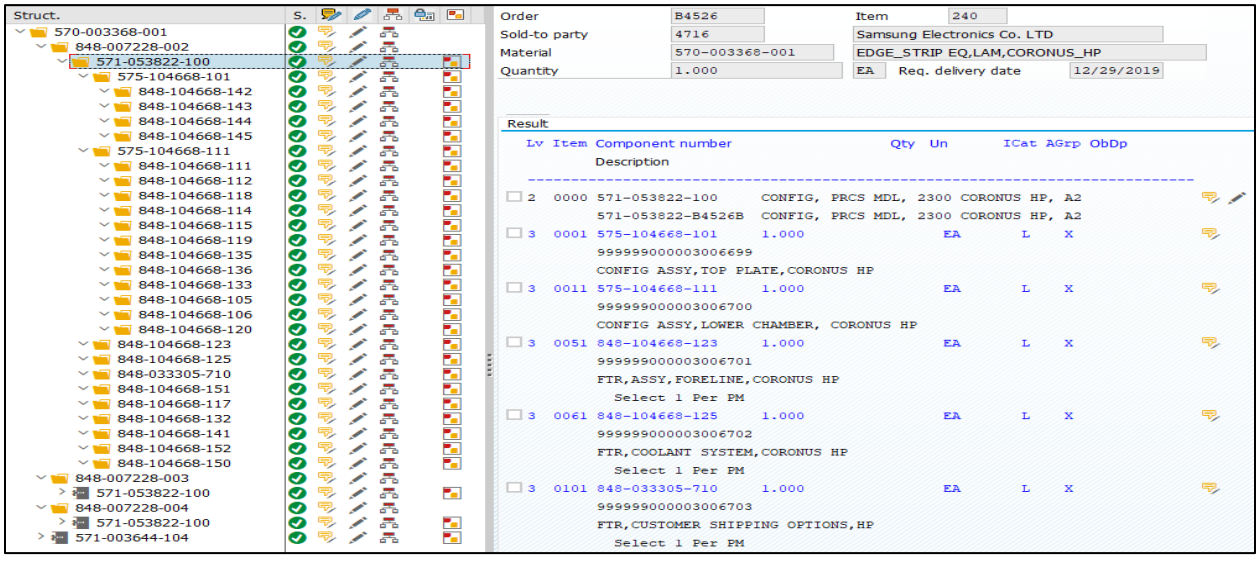
a. FCID number,
b. Item Number,
    i. In SAP use T-Code ZPPSOSTATUS
    ii. Add FCID/SO and press ENTER key.
    iii. List with Item No. will appear, add them under item.

185400	B4526	240	185400-COR02	570-003368-001	SHPNG LEVEL, PM
185400	B4526	240	185400-COR02	570-003368-001	SHPNG LEVEL, PM
185400	B4526	240	185400-COR02	570-003368-001	SHPNG LEVEL, PM
185400	B4526	240	185400-COR02	570-003368-001	SHPNG LEVEL, PM
185400	B4526	240	185400-COR02	570-003368-001	SHPNG LEVEL, PM
185400	B4526	370	185400-COR02	570-003636-011	SHIPPING LEVEL, TM
185400	B4526	370	185400-COR02	570-003636-011	SHIPPING LEVEL, TM
185400	B4526	430	185400-COR02	570-003637-001	SHIPPING LEVEL, PREFAC, ETCH MOD
185400	B4526	440	185400-COR02	570-003637-002	SHIPPING LEVEL, PRE-FACILITIES, SYSTEM
185400	B4526	689	185400-COR02	570-065780-001	SHPNG LEVEL, JTS GAS BOX
185400	B4526	689	185400-COR02	570-065780-001	SHPNG LEVEL, JTS GAS BOX
185400	B4526	725	185400-COR02	853-195147-001	24VDC,N2 PURGE
185400	B4526	745	185400-COR02	853-222418-001	KIT,ASSY,ETCH METROLOGY SYS

c. Material (“571-” part numbers only)
    i. Go to SAP, add T-Code **Cu52e** and then add **SO** and **item.** Execute it**.**



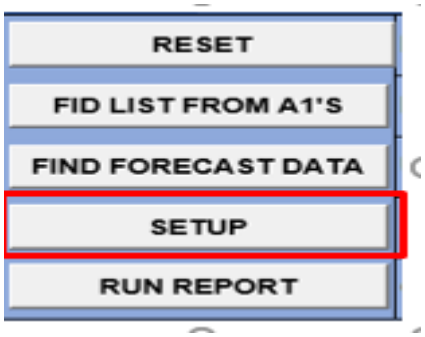
    ii. Find Material against 571-PNs only.



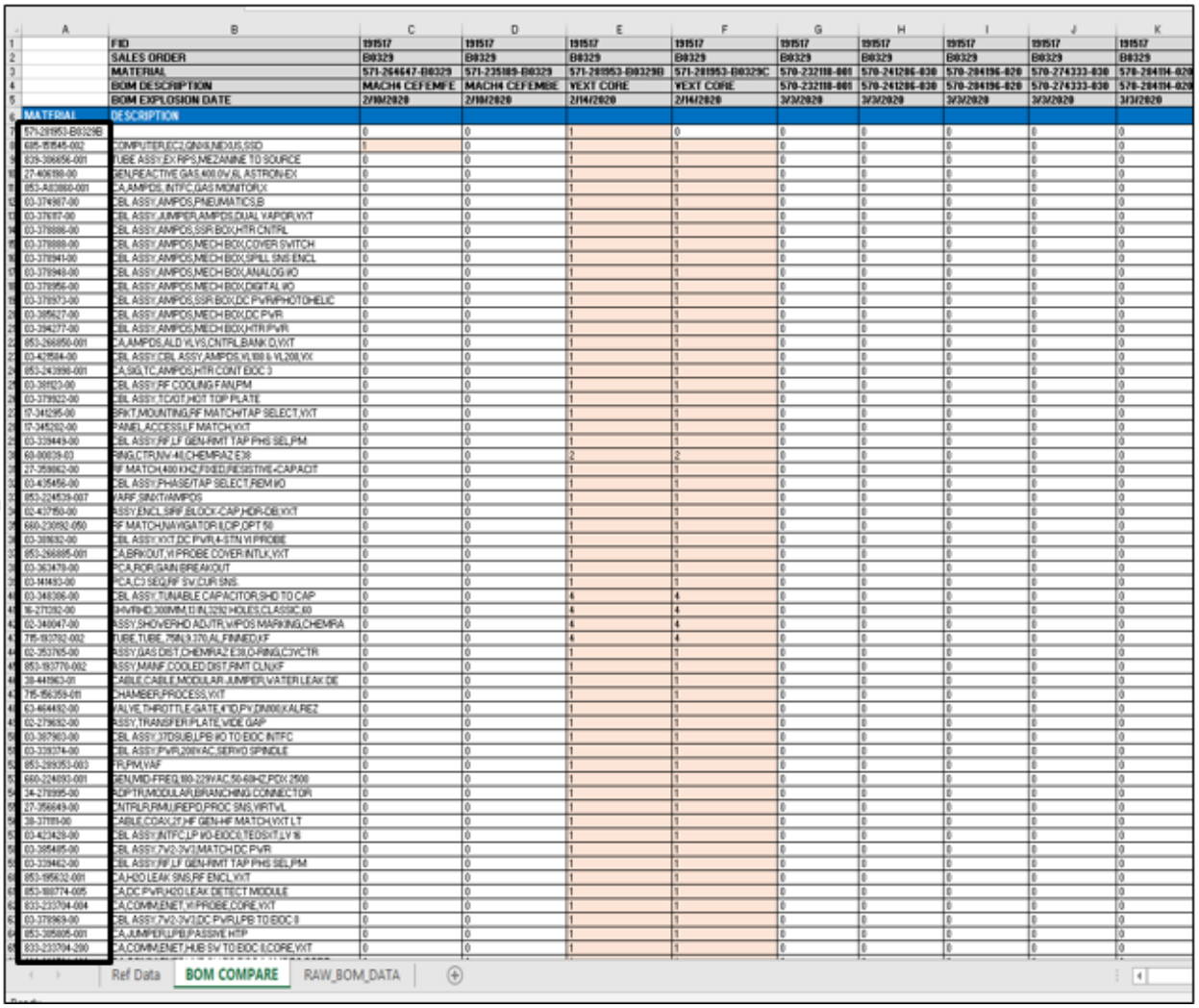
iii. Add it in the tab and repeat the process for all item nos.

f. Set QTY = 1, BOM = “O” (Set to “P” for non-571- parts) and MRP date.

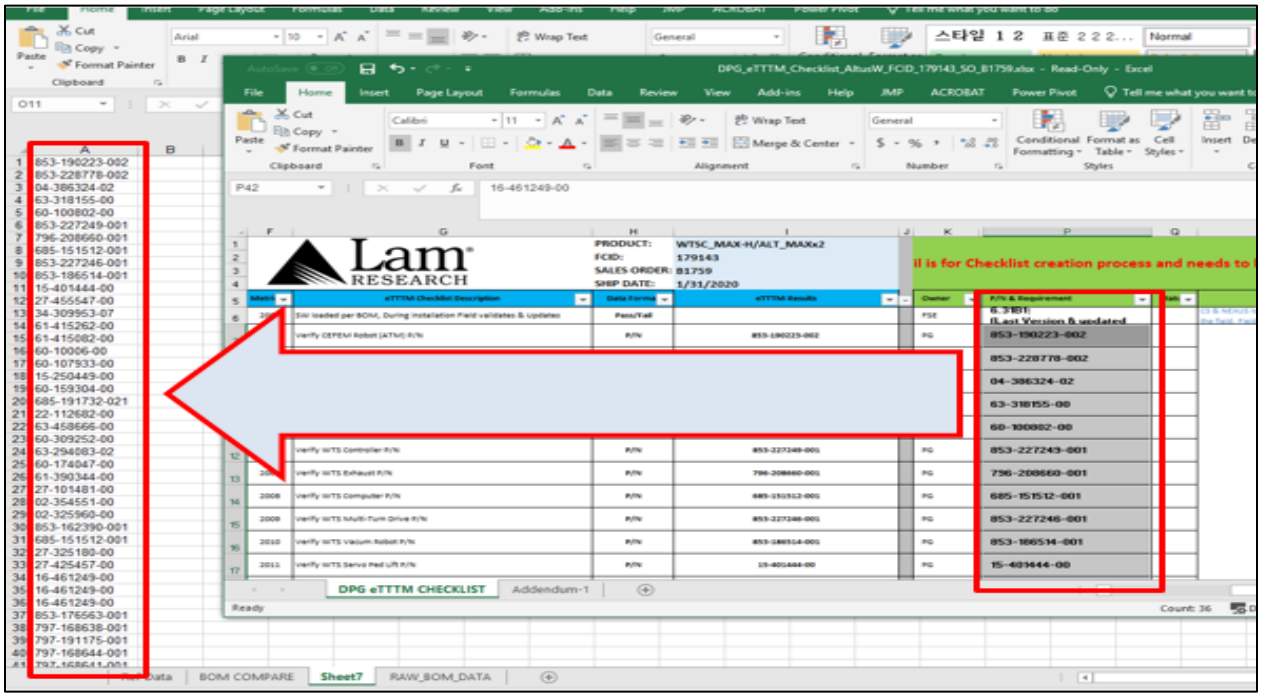
g. Run Report.



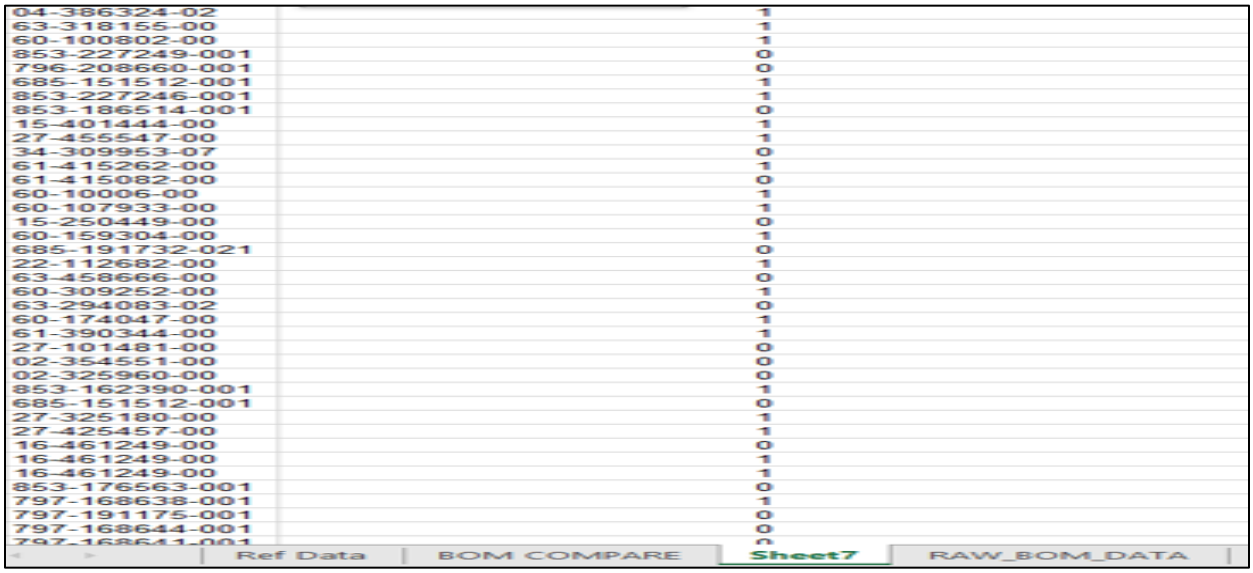
h. A new Excel file will appear with all parts listed in the OBOM in column A of the **BOM COMPARE tab.**



i. Create a new worksheet (“Sheet7” in image).
j. Copy parts list to be verified into column A of the new worksheet.



k. Create formula “=COUNTIF('BOM COMPARE'!A:A,Sheet7:A1)” in B1 and copy to rest of cells in column B
l. 1 = Yes part is on OBOM;
0 = No part is not on OBOM



m. Add the PNs with Model Nos in the Checklist with result 1 and PN with 0 will be replaced with comment “PN not found in O BOM”.

9. After adding all data, verify all the CIDs, MCSD, SO, FCID etc.

DESCRIPTION: E4/KiyoFXx3
FCID: 198039
SALES ORDER: B3668
SHIP DATE: 5/4/2020

Large Category	no	Middle Category	no	Minor Category	no	Inspection details	ID	eTTTM Checklist Description	Data Format	eTTTM Results
1. Planning /Production (Specifications)	1.1	TURBO PUMP	1.1.1	TMP	1	Check if the model name is the same with SEC POR model	1	Turbo Pump P/N verified	P/N	796-053696-002
								Turbo Pump Model	P/N	U66631A2
					2	Check if the Max Speed is the same with SEC POR model	2	TMP conductance test Max Speed	Pass/Fail	Pass
					3	Check if the capacity is the same with SEC POR model	3	TMP capacity validated at mfg automated test conductance test	Pass/Fail	Pass
			1.1.2	CONTROLLER	4	Check if the model is the same with SEC POR model	4	Turbo Pump Controller P/N Verified	P/N	796-046752-003
								Turbo Pump Controller Model	P/N	121671
					5	Check if the communication method is the same with SEC POR model	5	Turbo Pump Controller mfg automated test communication	Pass/Fail	Pass
	1.2	APC (Throttle Gate v/v)	1.2.1	APC	6	Check if the ID size is the same with SEC POR model	6	APC P/N verified	P/N	719-901160-223
								APC Model	P/N	65148-PHHZ-CBG1
					7	Check the alignment of open position	7	APC mfg automated test check alignment of Open Position	Pass/Fail	Pass
					8	Check the alignment of close position	8	APC mfg automated test check alignment of Close Position	Pass/Fail	Pass
			1.2.2	Controller	9	Check if the model is the same with SEC POR model	9	APC Controller P/N verified	P/N	796-130484-223
								APC Model	P/N	865747
					10	Check the software vision with SEC POR model				
					11	Check if the communication method is the same with SEC POR model	10	APC Controller mfg automated test communication	Pass/Fail	Pass
			1.2.3	Conduct	12	Check the result of the conductance	11	APC mfg automated test conductance test	Pass/Fail	Pass
	1.3	RF	1.3.1	HF Generator	13	Check if the model is the same with SEC POR model	12	HF Generator P/N verified	P/N	660-078399-205
								HF Generator Model	P/N	3156330-160
					14	Check whether the pulsing type is required or not				
					15	Check if Max Power is the same with SEC POR model	13	HF Generator mfg automated test Linearity test	Pass/Fail	Pass
					16	Ensure that the output control method is the same with SEC POR model	14	HF Generator output control communication test	Pass/Fail	Pass
					17	Check if RF Gen has the high-frequency shielding (including ground)	15	HF Generator harmonics final test	Pass/Fail	Pass
			1.3.2	LF Generator	18	Check if the model is the same with SEC POR model	16	LF Generator P/N verified	P/N	660-078399-106
								LF Generator Model	P/N	3156330-164
					19	Check whether the pulsing type is required or not				
					20	Check if Max Power is the same with SEC POR model	17	LF Generator mfg automated test Linearity test	Pass/Fail	Pass
					21	Ensure that the output control method is the same with SEC POR model	18	LF Generator output control communication test	Pass/Fail	Pass
			1.3.3	Match Box	22	Check if the matching method is the same with SEC POR model	19	Match Box TCP P/N verified	P/N	853-043759-223
								Match Box Model	P/N	NO
							20	Match Box Bias P/N verified	P/N	832-129731-015
								Match Box Bias Model	P/N	3155301-024
					23	Check if the starting value of matching is same with ending values	21	Match Box calibration test (impedance/capacitance)	Pass/Fail	Pass
					24	Check if the communication method is the same with SEC POR model	22	Match Box mfg automated test match calibration test DE, RF bias test [illegible]	Actual Data	See Addendum-2
					25	Check matching Position Spec	23	Match Box matching Position	Pass/Fail	Pass
					26	Check initial phase matching	24	Match Box test initial phase matching	Pass/Fail	Pass
					27	Check initial impedence matching	25	Match Box test initial impedance matching	Pass/Fail	Pass
	1.4	Gas Box	1.4.1	MFC	28	Check if the communication method is the same with SEC POR model	26	Gas Box MFC communication test	Pass/Fail	Data source not defined
					29	Check flow control type in PT/PI/PS	27	Gas Box MFC test flow control type in PT/PI/PS	Pass/Fail	Data source not defined
					30	Check if the communication method is the same with SEC POR model	28	Gas Box MFC test communication	Pass/Fail	Data source not defined
					31	Check whether Leak back rate is within 0.5 mTorr	29	Gas Box MFC check whether Leak back rate is within 0.5m torrance	Pass/Fail	Pass
					32	Check 1 point gas calibration at the max scale	30	Gas Box MFC check 1 point gas calibration at the max scale	Pass/Fail	Pass
					33	Do you record the calibration error value and manage with error specfication?	31	Gas Box MFC calibration error value	Pass/Fail	Pass
					34	Provide the calibration error value for each MFC	32	Gas Box MFC Test	Pass/Fail	Pass
	1.5	SFEM	1.5.1	Robot	35	Check if the robot is the same with SEC POR model	33	SFEM Robot P/N verified	P/N	799-139163-005
								SFEM Robot Model	P/N	MT520BFD60055
			1.5.2	side Buffer	36	Check if the side buffer station(s) is installed	34	SFEM side buffer station(s) installed	Pass/Fail	Data not found
					37	Check the number of cassete slot installed	35	SFEM side buffer check the number of cassette slots installed P/N Verification	P/N	853-208433-002
								SFEM side Buffer Model	P/N	No
					38	Check the max value of N2 blowing	36	SFEM side Buffer test max value of N2 flow	Pass/Fail	Data source not defined
					39	Check the adjustable exhaust valve is installed	37	SFEM side buffer - heated buffer test	Pass/Fail	Data source not defined

Addendum-1:

Product	FCID	PMSN	Station/P	Part Number	Serial Number	Measurement Description	Unit of	Associated	Associated Customer Description	Measured	Measured Result	Lam Remarks
KiyoFX	198039	KFX-3390		839-019090-632	1001867-025752	01. Plate True Position	in	96	ESC_Check machining tolerance is in spec	0.0013	Pass	
KiyoFX	198039	KFX-3390		839-019090-632	1001867-025752	02. Position Vector	degrees	96	ESC_Check machining tolerance is in spec	112.00	Pass	
KiyoFX	198039	KFX-3390		839-019090-632	1001867-025752	03. Diameter Avg	in	96	ESC_Check machining tolerance is in spec	11.731	Pass	
KiyoFX	198039	KFX-3390		839-019090-632	1001867-025752	04. Overall Height Point@1	in	96	ESC_Check machining tolerance is in spec	1.5014	Pass	
KiyoFX	198039	KFX-3390		839-019090-632	1001867-025752	04. Overall Height Point@2	in	96	ESC_Check machining tolerance is in spec	1.5012	Pass	
KiyoFX	198039	KFX-3390		839-019090-632	1001867-025752	04. Overall Height Point@3	in	96	ESC_Check machining tolerance is in spec	1.5013	Pass	
KiyoFX	198039	KFX-3390		839-019090-632	1001867-025752	04. Overall Height Point@4	in	96	ESC_Check machining tolerance is in spec	1.5015	Pass	
KiyoFX	198039	KFX-3390		839-019090-632	1001867-025752	04. Overall Height Point@5	in	96	ESC_Check machining tolerance is in spec	1.5014	Pass	
KiyoFX	198039	KFX-3390		839-019090-632	1001867-025752	04. Overall Height Point@6	in	96	ESC_Check machining tolerance is in spec	1.5006	Pass	
KiyoFX	198039	KFX-3390		839-019090-632	1001867-025752	04. Overall Height Point@7	in	96	ESC_Check machining tolerance is in spec	1.501	Pass	
KiyoFX	198039	KFX-3390		839-019090-632	1001867-025752	04. Overall Height Point@8	in	96	ESC_Check machining tolerance is in spec	1.5013	Pass	
KiyoFX	198039	KFX-3390		839-019090-632	1001867-025752	04. Overall Height Point@9	in	96	ESC_Check machining tolerance is in spec	1.5011	Pass	
KiyoFX	198039	KFX-3390		839-019090-632	1001867-025752	04. Overall Height, Max	in	96	ESC_Check machining tolerance is in spec	1.5015	Pass	
KiyoFX	198039	KFX-3390		839-019090-632	1001867-025752	05. Step height Point@1	in	96	ESC_Check machining tolerance is in spec	0.5004	Pass	
KiyoFX	198039	KFX-3390		839-019090-632	1001867-025752	05. Step height Point@2	in	96	ESC_Check machining tolerance is in spec	0.5006	Pass	
KiyoFX	198039	KFX-3390		839-019090-632	1001867-025752	05. Step height Point@3	in	96	ESC_Check machining tolerance is in spec	0.5009	Pass	
KiyoFX	198039	KFX-3390		839-019090-632	1001867-025752	05. Step height Point@4	in	96	ESC_Check machining tolerance is in spec	0.5012	Pass	
KiyoFX	198039	KFX-3390		839-019090-632	1001867-025752	05. Step height Point@5	in	96	ESC_Check machining tolerance is in spec	0.5011	Pass	
KiyoFX	198039	KFX-3390		839-019090-632	1001867-025752	05. Step height Point@6	in	96	ESC_Check machining tolerance is in spec	0.5009	Pass	
KiyoFX	198039	KFX-3390		839-019090-632	1001867-025752	05. Step height Point@7	in	96	ESC_Check machining tolerance is in spec	0.5008	Pass	
KiyoFX	198039	KFX-3390		839-019090-632	1001867-025752	05. Step height Point@8	in	96	ESC_Check machining tolerance is in spec	0.5006	Pass	
KiyoFX	198039	KFX-3390		839-019090-632	1001867-025752	05. Step height, Max	in	96	ESC_Check machining tolerance is in spec	0.5012	Pass	
KiyoFX	198039	KFX-3390		839-019090-632	1001867-025752	06. Width of DOT Point@1	in	96	ESC_Check machining tolerance is in spec	0.0464	Pass	
KiyoFX	198039	KFX-3390		839-019090-632	1001867-025752	06. Width of DOT Point@2	in	96	ESC_Check machining tolerance is in spec	0.0464	Pass	
KiyoFX	198039	KFX-3390		839-019090-632	1001867-025752	06. Width of DOT Point@3	in	96	ESC_Check machining tolerance is in spec	0.0468	Pass	
KiyoFX	198039	KFX-3390		839-019090-632	1001867-025752	06. Width of DOT Point@4	in	96	ESC_Check machining tolerance is in spec	0.0467	Pass	
KiyoFX	198039	KFX-3390		839-019090-632	1001867-025752	06. Width of DOT Point@5	in	96	ESC_Check machining tolerance is in spec	0.0463	Pass	
KiyoFX	198039	KFX-3390		839-019090-632	1001867-025752	07. Height of DOT Point@1	µm	96	ESC_Check machining tolerance is in spec	11.00	Pass	
KiyoFX	198039	KFX-3390		839-019090-632	1001867-025752	07. Height of DOT Point@2	µm	96	ESC_Check machining tolerance is in spec	11.00	Pass	
KiyoFX	198039	KFX-3390		839-019090-632	1001867-025752	07. Height of DOT Point@3	µm	96	ESC_Check machining tolerance is in spec	10.00	Pass	
KiyoFX	198039	KFX-3390		839-019090-632	1001867-025752	07. Height of DOT Point@4	µm	96	ESC_Check machining tolerance is in spec	10.00	Pass	
KiyoFX	198039	KFX-3390		839-019090-632	1001867-025752	07. Height of DOT Point@5	µm	96	ESC_Check machining tolerance is in spec	10.00	Pass	
KiyoFX	198039	KFX-3390		839-019090-632	1001867-025752	07. Height of DOT, Average	µm	96	ESC_Check machining tolerance is in spec	10.40	Pass	
KiyoFX	198039	KFX-3390		839-019090-632	1001867-025752	08. Width of Rib Point@1	in	96	ESC_Check machining tolerance is in spec	0.1033	Pass	
KiyoFX	198039	KFX-3390		839-019090-632	1001867-025752	08. Width of Rib Point@2	in	96	ESC_Check machining tolerance is in spec	0.0984	Pass	
KiyoFX	198039	KFX-3390		839-019090-632	1001867-025752	08. Width of Rib Point@3	in	96	ESC_Check machining tolerance is in spec	0.0984	Pass	
KiyoFX	198039	KFX-3390		839-019090-632	1001867-025752	08. Width of Rib Point@4	in	96	ESC_Check machining tolerance is in spec	0.1024	Pass	
KiyoFX	198039	KFX-3390		839-019090-632	1001867-025752	09. Height of Rib Point@1	µm	96	ESC_Check machining tolerance is in spec	11.00	Pass	
KiyoFX	198039	KFX-3390		839-019090-632	1001867-025752	09. Height of Rib Point@2	µm	96	ESC_Check machining tolerance is in spec	10.00	Pass	
KiyoFX	198039	KFX-3390		839-019090-632	1001867-025752	09. Height of Rib Point@3	µm	96	ESC_Check machining tolerance is in spec	10.00	Pass	
KiyoFX	198039	KFX-3390		839-019090-632	1001867-025752	09. Height of Rib Point@4	µm	96	ESC_Check machining tolerance is in spec	10.00	Pass	
KiyoFX	198039	KFX-3390		839-019090-632	1001867-025752	09. Height of Rib, Average	µm	96	ESC_Check machining tolerance is in spec	10.30	Pass	
KiyoFX	198039	KFX-3390		839-019090-632	1001867-025752	10. Ra of Rib Point@1	micro-in	96	ESC_Check machining tolerance is in spec	9.50	Pass	
KiyoFX	198039	KFX-3390		839-019090-632	1001867-025752	10. Ra of Rib Point@10	micro-in	96	ESC_Check machining tolerance is in spec	10.40	Pass	
KiyoFX	198039	KFX-3390		839-019090-632	1001867-025752	10. Ra of Rib Point@11	micro-in	96	ESC_Check machining tolerance is in spec	14.40	Pass	
KiyoFX	198039	KFX-3390		839-019090-632	1001867-025752	10. Ra of Rib Point@12	micro-in	96	ESC_Check machining tolerance is in spec	11.40	Pass	
KiyoFX	198039	KFX-3390		839-019090-632	1001867-025752	10. Ra of Rib Point@13	micro-in	96	ESC_Check machining tolerance is in spec	10.40	Pass	
KiyoFX	198039	KFX-3390		839-019090-632	1001867-025752	10. Ra of Rib Point@14	micro-in	96	ESC_Check machining tolerance is in spec	9.70	Pass	
KiyoFX	198039	KFX-3390		839-019090-632	1001867-025752	10. Ra of Rib Point@15	micro-in	96	ESC_Check machining tolerance is in spec	9.80	Pass	
KiyoFX	198039	KFX-3390		839-019090-632	1001867-025752	10. Ra of Rib Point@16	micro-in	96	ESC_Check machining tolerance is in spec	9.70	Pass	
KiyoFX	198039	KFX-3390		839-019090-632	1001867-025752	10. Ra of Rib Point@17	micro-in	96	ESC_Check machining tolerance is in spec	11.10	Pass	
KiyoFX	198039	KFX-3390		839-019090-632	1001867-025752	10. Ra of Rib Point@18	micro-in	96	ESC_Check machining tolerance is in spec	8.90	Pass	
KiyoFX	198039	KFX-3390		839-019090-632	1001867-025752	10. Ra of Rib Point@19	micro-in	96	ESC_Check machining tolerance is in spec	10.80	Pass	
KiyoFX	198039	KFX-3390		839-019090-632	1001867-025752	10. Ra of Rib Point@2	micro-in	96	ESC_Check machining tolerance is in spec	10.30	Pass	
KiyoFX	198039	KFX-3390		839-019090-632	1001867-025752	10. Ra of Rib Point@20	micro-in	96	ESC_Check machining tolerance is in spec	10.20	Pass	
KiyoFX	198039	KFX-3390		839-019090-632	1001867-025752	10. Ra of Rib Point@21	micro-in	96	ESC_Check machining tolerance is in spec	12.00	Pass	
KiyoFX	198039	KFX-3390		839-019090-632	1001867-025752	10. Ra of Rib Point@3	micro-in	96	ESC_Check machining tolerance is in spec	11.40	Pass	
KiyoFX	198039	KFX-3390		839-019090-632	1001867-025752	10. Ra of Rib Point@4	micro-in	96	ESC_Check machining tolerance is in spec	9.60	Pass	
KiyoFX	198039	KFX-3390		839-019090-632	1001867-025752	10. Ra of Rib Point@5	micro-in	96	ESC_Check machining tolerance is in spec	14.50	Pass	
KiyoFX	198039	KFX-3390		839-019090-632	1001867-025752	10. Ra of Rib Point@6	micro-in	96	ESC_Check machining tolerance is in spec	10.40	Pass	
KiyoFX	198039	KFX-3390		839-019090-632	1001867-025752	10. Ra of Rib Point@7	micro-in	96	ESC_Check machining tolerance is in spec	10.30	Pass	
KiyoFX	198039	KFX-3390		839-019090-632	1001867-025752	10. Ra of Rib Point@8	micro-in	96	ESC_Check machining tolerance is in spec	11.30	Pass	
KiyoFX	198039	KFX-3390		839-019090-632	1001867-025752	10. Ra of Rib Point@9	micro-in	96	ESC_Check machining tolerance is in spec	9.80	Pass	
KiyoFX	198039	KFX-3390		839-019090-632	1001867-025752	10. Ra of Rib, Average	micro-in	96	ESC_Check machining tolerance is in spec	10.80	Pass	
KiyoFX	198039	KFX-3390		839-019090-632	1001867-025752	11. Flatness Point@1	in	96	ESC_Check machining tolerance is in spec	-0.0001	Pass	
KiyoFX	198039	KFX-3390		839-019090-632	1001867-025752	11. Flatness Point@10	in	96	ESC_Check machining tolerance is in spec	0.0001	Pass	
KiyoFX	198039	KFX-3390		839-019090-632	1001867-025752	11. Flatness Point@11	in	96	ESC_Check machining tolerance is in spec	0.0001	Pass	
KiyoFX	198039	KFX-3390		839-019090-632	1001867-025752	11. Flatness Point@12	in	96	ESC_Check machining tolerance is in spec	0.0002	Pass	
KiyoFX	198039	KFX-3390		839-019090-632	1001867-025752	11. Flatness Point@13	in	96	ESC_Check machining tolerance is in spec	0.0001	Pass	
KiyoFX	198039	KFX-3390		839-019090-632	1001867-025752	11. Flatness Point@14	in	96	ESC_Check machining tolerance is in spec	0.0001	Pass	
KiyoFX	198039	KFX-3390		839-019090-632	1001867-025752	11. Flatness Point@15	in	96	ESC_Check machining tolerance is in spec	0.0001	Pass	
KiyoFX	198039	KFX-3390		839-019090-632	1001867-025752	11. Flatness Point@16	in	96	ESC_Check machining tolerance is in spec	0.0001	Pass	
KiyoFX	198039	KFX-3390		839-019090-632	1001867-025752	11. Flatness Point@17	in	96	ESC_Check machining tolerance is in spec	0.0003	Pass	
KiyoFX	198039	KFX-3390		839-019090-632	1001867-025752	11. Flatness Point@18	in	96	ESC_Check machining tolerance is in spec	0.0003	Pass	
KiyoFX	198039	KFX-3390		839-019090-632	1001867-025752	11. Flatness Point@19	in	96	ESC_Check machining tolerance is in spec	0.0003	Pass	
KiyoFX	198039	KFX-3390		839-019090-632	1001867-025752	11. Flatness Point@2	in	96	ESC_Check machining tolerance is in spec	-0.0002	Pass	
KiyoFX	198039	KFX-3390		839-019090-632	1001867-025752	11. Flatness Point@20	in	96	ESC_Check machining tolerance is in spec	0.0003	Pass	

Addendum-2:

Lam RESEARCH

PRODUCT: E4/KiyoFXx3
FCID: 198039
SALES ORDER: B3668
SHIP DATE: 5/4/2020

ID	Description [LAM]	EID	SERIAL_NUMBER	OVER_ALL_RESULT	NOTE	RESULTS
22	Match Box mfg automated test match calibration test DE; RF bias test CE	198039-PM2	KFX-3390	PASSED	SLOPE	6427.1
22	Match Box mfg automated test match calibration test DE; RF bias test CE	198039-PM3	KFX-3391	PASSED	SLOPE	6565.6
22	Match Box mfg automated test match calibration test DE; RF bias test CE	198039-PM4	KFX-3392	PASSED	SLOPE	6516.82
63	PM Chamber(s) test PM leakback rate	198039-PM2	KFX-3390	PASSED	chamberROR	0.6312
63	PM Chamber(s) test PM leakback rate	198039-PM3	KFX-3391	PASSED	chamberROR	0.3732
63	PM Chamber(s) test PM leakback rate	198039-PM4	KFX-3392	PASSED	chamberROR	0.7056
64	PM Chamber(s) test Vacuum Integrity	198039-PM2	KFX-3390	PASSED	chamberROR	0.6312
64	PM Chamber(s) test Vacuum Integrity	198039-PM3	KFX-3391	PASSED	chamberROR	0.3732
64	PM Chamber(s) test Vacuum Integrity	198039-PM4	KFX-3392	PASSED	chamberROR	0.7056
99	ESC Images taken and mfg automated test	198039-PM2	KFX-3390		[illegible]KFX-3390_3_PM2/MFG/HW Tests/KFX-3390 ESC PICS	
99	ESC Images taken and mfg automated test	198039-PM3	KFX-3391		[illegible]KFX-3391_3_PM3/MFG/HW Tests/ESC Pictures	
99	ESC Images taken and mfg automated test	198039-PM4	KFX-3392		[illegible]KFX-3392_3_PM4/MFG/HW Tests/ESC Pics	
102	Heater resistance mfg automated test	F198039-KFX-3390-DE	A10251756	PASSED	INNER_HEATER_RESISTANCE	26.4
102	Heater resistance mfg automated test	F198039-KFX-3390-DE	A10251756	PASSED	OUTER_HEATER_RESISTANCE	19.5
102	Heater resistance mfg automated test	F198039-KFX-3390-DE	A10251756	PASSED	MID_INNER_HEATER_RESISTANCE	34.1
102	Heater resistance mfg automated test	F198039-KFX-3390-DE	A10251756	PASSED	MID_OUTER_HEATER_RESISTANCE	21.5
102	Heater resistance mfg automated test	F198039-KFX-3391-DE	A10222753	PASSED	INNER_HEATER_RESISTANCE	26.5
102	Heater resistance mfg automated test	F198039-KFX-3391-DE	A10222753	PASSED	OUTER_HEATER_RESISTANCE	19.7
102	Heater resistance mfg automated test	F198039-KFX-3391-DE	A10222753	PASSED	MID_INNER_HEATER_RESISTANCE	34.5
102	Heater resistance mfg automated test	F198039-KFX-3391-DE	A10222753	PASSED	MID_OUTER_HEATER_RESISTANCE	21.7
102	Heater resistance mfg automated test	F198039-KFX-3392-DE	A10251763	PASSED	INNER_HEATER_RESISTANCE	26.8
102	Heater resistance mfg automated test	F198039-KFX-3392-DE	A10251763	PASSED	OUTER_HEATER_RESISTANCE	20.6
102	Heater resistance mfg automated test	F198039-KFX-3392-DE	A10251763	PASSED	MID_INNER_HEATER_RESISTANCE	35
102	Heater resistance mfg automated test	F198039-KFX-3392-DE	A10251763	PASSED	MID_OUTER_HEATER_RESISTANCE	22
103	Heater mfg automated Temp Control test	F198039-KFX-3390-DE	A10251756	PASSED	INNER_RISE	1.98
103	Heater mfg automated Temp Control test	F198039-KFX-3390-DE	A10251756	PASSED	MIDINNER_RISE	2.12
103	Heater mfg automated Temp Control test	F198039-KFX-3390-DE	A10251756	PASSED	MIDOUTER_RISE	1.41
103	Heater mfg automated Temp Control test	F198039-KFX-3390-DE	A10251756	PASSED	OUTER_RISE	2.15
103	Heater mfg automated Temp Control test	F198039-KFX-3391-DE	A10222753	PASSED	INNER_RISE	1.5
103	Heater mfg automated Temp Control test	F198039-KFX-3391-DE	A10222753	PASSED	MIDINNER_RISE	1.9
103	Heater mfg automated Temp Control test	F198039-KFX-3391-DE	A10222753	PASSED	MIDOUTER_RISE	1.15
103	Heater mfg automated Temp Control test	F198039-KFX-3391-DE	A10222753	PASSED	OUTER_RISE	1.83
103	Heater mfg automated Temp Control test	F198039-KFX-3392-DE	A10251763	PASSED	INNER_RISE	1.62
103	Heater mfg automated Temp Control test	F198039-KFX-3392-DE	A10251763	PASSED	MIDINNER_RISE	1.83
103	Heater mfg automated Temp Control test	F198039-KFX-3392-DE	A10251763	PASSED	MIDOUTER_RISE	1.16
103	Heater mfg automated Temp Control test	F198039-KFX-3392-DE	A10251763	PASSED	OUTER_RISE	1.9
104	DE: mfg. automated test Top Plate Ramp Up/Down CE: mfg. automated test ESC Heater Ramp Up	F198039-KFX-3390-DE	A10251756	PASSED	INNER_RISE	1.98
104	DE: mfg. automated test Top Plate Ramp Up/Down CE: mfg. automated test ESC Heater Ramp Up	F198039-KFX-3390-DE	A10251756	PASSED	MIDINNER_RISE	2.12
104	DE: mfg. automated test Top Plate Ramp Up/Down CE: mfg. automated test ESC Heater Ramp Up	F198039-KFX-3390-DE	A10251756	PASSED	MIDOUTER_RISE	1.41
104	DE: mfg. automated test Top Plate Ramp Up/Down CE: mfg. automated test ESC Heater Ramp Up	F198039-KFX-3390-DE	A10251756	PASSED	OUTER_RISE	2.15
104	DE: mfg. automated test Top Plate Ramp Up/Down CE: mfg. automated test ESC Heater Ramp Up	F198039-KFX-3391-DE	A10222753	PASSED	INNER_RISE	1.5
104	DE: mfg. automated test Top Plate Ramp Up/Down CE: mfg. automated test ESC Heater Ramp Up	F198039-KFX-3391-DE	A10222753	PASSED	MIDINNER_RISE	1.9
104	DE: mfg. automated test Top Plate Ramp Up/Down CE: mfg. automated test ESC Heater Ramp Up	F198039-KFX-3391-DE	A10222753	PASSED	MIDOUTER_RISE	1.15
104	DE: mfg. automated test Top Plate Ramp Up/Down CE: mfg. automated test ESC Heater Ramp Up	F198039-KFX-3391-DE	A10222753	PASSED	OUTER_RISE	1.83
104	DE: mfg. automated test Top Plate Ramp Up/Down CE: mfg. automated test ESC Heater Ramp Up	F198039-KFX-3392-DE	A10251763	PASSED	INNER_RISE	1.62
104	DE: mfg. automated test Top Plate Ramp Up/Down CE: mfg. automated test ESC Heater Ramp Up	F198039-KFX-3392-DE	A10251763	PASSED	MIDINNER_RISE	1.83
104	DE: mfg. automated test Top Plate Ramp Up/Down CE: mfg. automated test ESC Heater Ramp Up	F198039-KFX-3392-DE	A10251763	PASSED	MIDOUTER_RISE	1.16
104	DE: mfg. automated test Top Plate Ramp Up/Down CE: mfg. automated test ESC Heater Ramp Up	F198039-KFX-3392-DE	A10251763	PASSED	OUTER_RISE	1.9
106	Solenoid mfg automated test				The following valves checked: Valves are cycled open then closed. Pressure checked at end of each occurrence. TMP N2 Purge Valve PASS MP N2 Purge Valve PASS Gas Line Shutoff Valve PASS TMP Exhaust Valve PASS Chamber Lifter Up PASS Chamber Rough Valve PASS Helium Supply Valve PASS Helium Isolation Valve PASS Soft Rough Valve PASS Helium Foreline Valve PASS Chamber Lifter Down PASS Main H2O Manifold Valve PASS Process Manometer Isolation Valve PASS Dual/Quad Zone Inner Evacuation Valve PASS Dual/Quad Zone Outer Evacuation Valve PASS Dual/Quad Zone Inner Isolation Valve PASS Dual/Quad Zone Inner Isolation Valve PASS	
106	Solenoid mfg automated test	198039-PM2	KFX-3390	PASSED	OVER_ALL_RESULT	Pass
106	Solenoid mfg automated test	198039-PM3	KFX-3391	PASSED	OVER_ALL_RESULT	Pass
106	Solenoid mfg automated test	198039-PM4	KFX-3392	PASSED	OVER_ALL_RESULT	Pass
107	UPC mfg automated test	F198039-KFX-3390-DE	A10251756	PASSED	MEAS_1	0.591086
107	UPC mfg automated test	F198039-KFX-3390-DE	A10251756	PASSED	MEAS_2	0.979614
107	UPC mfg automated test	F198039-KFX-3390-DE	A10251756	PASSED	MEAS_3	1.42212
107	UPC mfg automated test	F198039-KFX-3390-DE	A10251756	PASSED	MEAS_4	1.77882
107	UPC mfg automated test	F198039-KFX-3390-DE	A10251756	PASSED	MEAS_5	2.17856
107	UPC mfg automated test	F198039-KFX-3390-DE	A10251756	PASSED	MEAS_6	2.88151
107	UPC mfg automated test	F198039-KFX-3390-DE	A10251756	PASSED	MEAS_7	3.28363
107	UPC mfg automated test	F198039-KFX-3391-DE	A10222753	PASSED	MEAS_1	1.88832
107	UPC mfg automated test	F198039-KFX-3391-DE	A10222753	PASSED	MEAS_2	1.61133
107	UPC mfg automated test	F198039-KFX-3391-DE	A10222753	PASSED	MEAS_3	2.16675
107	UPC mfg automated test	F198039-KFX-3391-DE	A10222753	PASSED	MEAS_4	2.78631
107	UPC mfg automated test	F198039-KFX-3391-DE	A10222753	PASSED	MEAS_5	3.28864
107	UPC mfg automated test	F198039-KFX-3391-DE	A10222753	PASSED	MEAS_6	4.13288
107	UPC mfg automated test	F198039-KFX-3391-DE	A10222753	PASSED	MEAS_7	4.77385
107	UPC mfg automated test	F198039-KFX-3392-DE	A10251763	PASSED	MEAS_1	0.601136
107	UPC mfg automated test	F198039-KFX-3392-DE	A10251763	PASSED	MEAS_2	0.872889
107	UPC mfg automated test	F198039-KFX-3392-DE	A10251763	PASSED	MEAS_3	1.29335
107	UPC mfg automated test	F198039-KFX-3392-DE	A10251763	PASSED	MEAS_4	1.6443
107	UPC mfg automated test	F198039-KFX-3392-DE	A10251763	PASSED	MEAS_5	1.86462
107	UPC mfg automated test	F198039-KFX-3392-DE	A10251763	PASSED	MEAS_6	2.58543
107	UPC mfg automated test	F198039-KFX-3392-DE	A10251763	PASSED	MEAS_7	2.98462

10. Move Checklist to Completed folder.

5. References:

1. **eTTTM SharePoint Site:** https://sharepoint.lamrc.net/cft/prjws/eTTM/default.aspx
2. **GSQA:** https://plant.lamgsqa.com/pls/lam-plant/call_main?inf=P
3. **CF (PN SN):** http://ddtcweb15:8002/CFSNSearchBySOLMFG.aspx
4. **Appian:** https://sharepoint.lamrc.net/cft/LES/SitePages/Home.aspx

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