

PRODS Creation/Update Engagement

STANDARD PROBE TRANSFER

MARCH 25, 2019

STANDARD PROBE BILL OF MATERIALS (BOM)

PART NAME: ADG3241-D0CGJHK1GT

<http://wilmatom1d.ad.analog.com/Helix/bomtree.aspx>

► PARTCHAIN TABLE

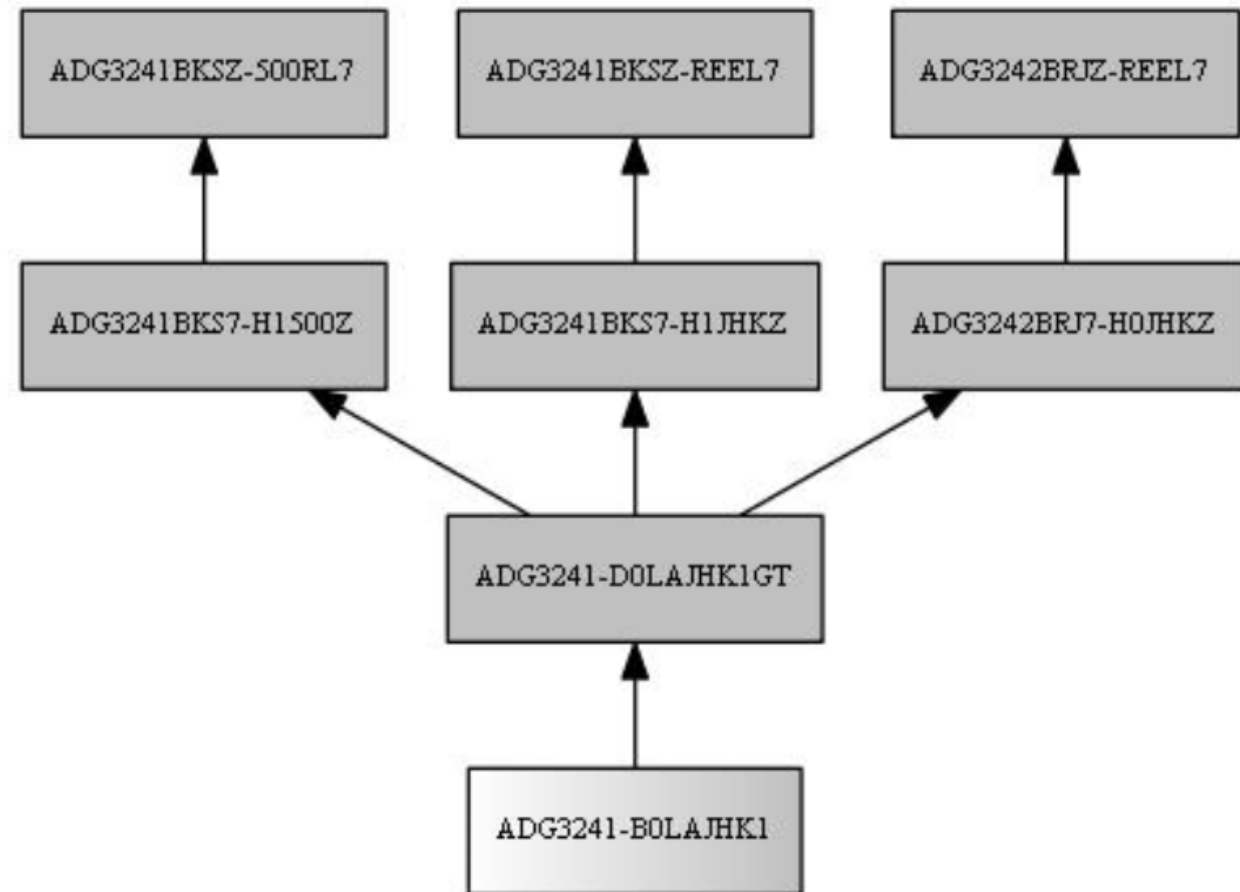
Part_Level	Model	Component	Primor Alt	Mfg Site	All Mfg Sites	QtyPer	Active?	PartType	Chain Up Active?	Promis Site	Model Active?	Prim Chain?
1	ADG3241BKSZ-500RL7	ADG3241BKSZ-500RL7	PSM	CRM			Y	C	Y	059	Y	Y
.2	ADG3241BKSZ-500RL7	ADG3241BKS7-H1500Z	PSM	CRM			Y	H	Y	059	Y	Y
..3	ADG3241BKSZ-500RL7	ADG3241-D0LAJHK1GT	PSM	ADGT			Y	D	Y	004	Y	Y
...4	ADG3241BKSZ-500RL7	ADG3241-B0LAJHK1	PSM	ADWW		1.6E-05	Y	F	Y	059	Y	Y
1	ADG3241BKSZ-REEL7	ADG3241BKSZ-REEL7	PSM	CRM			Y	C	Y	059	Y	Y
.2	ADG3241BKSZ-REEL7	ADG3241BKS7-H1JHKZ	PSM	CRM			Y	H	Y	059	Y	Y
..3	ADG3241BKSZ-REEL7	ADG3241-D0LAJHK1GT	PSM	ADGT			Y	D	Y	004	Y	Y
...4	ADG3241BKSZ-REEL7	ADG3241-B0LAJHK1	PSM	ADWW		1.6E-05	Y	F	Y	059	Y	Y
1	ADG3242BRJZ-REEL7	ADG3242BRJZ-REEL7	PSM	CRM			Y	C	Y	059	Y	Y
.2	ADG3242BRJZ-REEL7	ADG3242BRJ7-H0JHKZ	PSM	CRM			Y	H	Y	059	Y	Y
..3	ADG3242BRJZ-REEL7	ADG3241-D0LAJHK1GT	PSM	ADGT			Y	D	Y	004	Y	Y
...4	ADG3242BRJZ-REEL7	ADG3241-B0LAJHK1	PSM	ADWW		1.6E-05	Y	F	Y	059	Y	Y

STANDARD PROBE BILL OF MATERIALS (BOM)

PART NAME: **ADG3241-D0CGJHK1GT**

<http://wilmatom1d.ad.analog.com/Helix/bomtree.aspx>

► PARTCHAIN IN GRAPH



PURCHASED UN-PROBED PART

Part id: ADG3241-B0LAJHK1.01

```
*****
Part id      : ADG3241-B0LAJHK1.01
Title       : PURCHASED UN-PROBED WAFER
Owner      : BARUNDIAA
Status     : ACTIVE AVAILABLE
Access category:
ECN        : GPE0112606
Document   :

Part type   : SPECIFIC
Preferred meth.: PURCHASED
Preferred supl.: FNDY
```

Part ADG3241-B0LAJHK1.01 Categories							
No	Category	No	Category	No	Category	No	Category
01	ADG3241	02	0	06	F	07	580
08	820	09	C	10	8	11	TSMCFAB
23	ADGT	27	LPT	28	LMSL	29	FRUGALT
37	JHK	47	ADLK	49	GPE0024006		

```
Supplier id      : FNDY
Manufacturer     :
Manufacturer Part Id :
Manufacturer Part Title:
Acceptance Procedure Id: RECV-W-ADGT

Ordering Information
Fixed Order Qty: 0.000 Order Lead Time: 0.000

Material Constraints
Incoming: Identity Processing state Main-Material type Sub-Material type
Identified Normal W = WAFER Nothing
```

MANUFACTURED PROBE PART

PART NAME:
ADG3241-D0CGJHK1GT

```
*****
Part id      : ADG3241-D0CGJHK1GT.03
Title       : ADGT PROBED WAFER PART
Owner       : PONTERESS
Status      : ACTIVE AVAILABLE
Access category:
ECN         : ECN0014070
Document    :

Part type    : SPECIFIC
Preferred meth.: MANUFACTURED
Preferred supl.:

Mfg. procedure : ADG3241-D0CGJHK1GT
```

Part ADG3241-D0CGJHK1GT.03 Categories			
No	Category	No	Category
01	ADG3242	02	0
07	580	08	820
11	TSMCFAB	09	C
27	OSM	23	ADGT
37	--	29	PONTERESS
47	ADLK	41	STD
		50	YES
		06	D
		10	8
		26	CTS5040_B
		36	ADLK
		46	B3
		60	ECN0002469

MANUFACTURED PRIMARY PROCEDURE

```
*****
Procedure      : ADG3241-D0CGJHK1GT.07
Title          : ADGT PROBED WAFER PRIMARY PROCEDURE
Owner          : BARUNDIAA
Status         : ACTIVE AVAILABLE
Access category:
Procedure usage: PRIMARY_PROCEDURE
ECN            : GPE0082900
Document       :
Date created   : 27-FEB-2013 15:33
Date last changed: 28-FEB-2013 13:18
Date activated : 28-FEB-2013 13:18
Main prod area : GTPROBE
*****
```

Material Conversion			
Seq	Source	Destination	Conversion rate
1	WAFER	DIE	64315
Parameter Type Value			
\$ACTIVESITET1H1	STRING	4	
\$DIE-X	INTEGER	550	
\$DIE-Y	INTEGER	820	
\$ECN	STRING	GPE0082900	
\$GDPW	INTEGER	64315	

```
001.000 STARTING_MATERIAL      Stage: WBANK
Location :
Document :
Desc.    : UNPROBED WAFER
Traceable: Update Supply      Trace Supply  Update Dest.

Part      Attribute
001 ADG3241-B0CGJHK1.*      PRIMARY
002.000 CALL_PROCEDURE      Stage:      DEFAULT
Procedure: GTPROBEFLOW
Title     : ADGT GENERAL PROBE PROCEDURE
003.000 CALL_PROCEDURE      Stage:      DEFAULT
Procedure: GCO-PRB
Title     : TRANSFER PROBED LOTS - DIE SHIPMENT PROCEDURE
```

HOW DO WE EXECUTE PRODS CREATION?

- ▶ Received PECN request – see ref PECN: PPN00000009/PPN00000015/29
- ▶ Check and review requested parts
- ▶ Get prods information from source PROMIS site thru data logging, or refer to PRS/attached file provided by planner/requestor
- ▶ Create prods in ADP2 based on the ff.
 - Defined PRODs setup in ADP2
 - Purchased Fab Part with Supplier and acceptance procedure
 - Manufactured Part
 - Manufacturing Primary Procedure
 - Starting Material
 - P2PROBE-FULL/P2PROBE-DOUBLE
 - P2DIEBANK

CTS5040 FOR TRANSFER PRODS COUNT

**ADGT PRODS COUNT candidate
for ADP2 Transfer**



Count of Partnames	Total
Total	215

Count of Partnames	
GENERIC	<input type="button" value="v"/> Total
ADM809	16
ADM810	14
ADM671	12
ADM485	10
ADG324	8
AD5258	8
AD5259	7
ADM181	7
ADM811	7
ADM803	6
ADM812	6

HANDS-ON PRODS CREATION

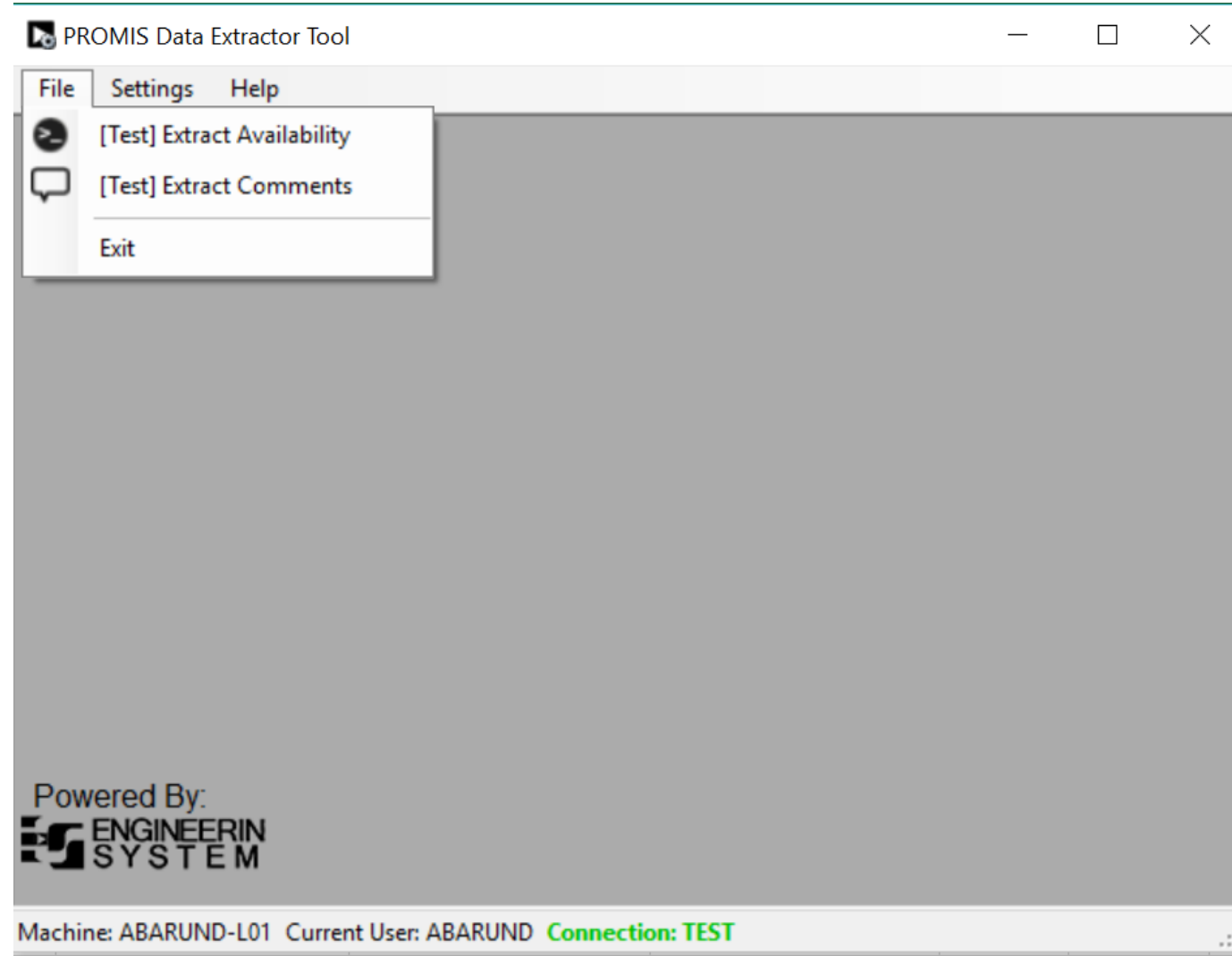
LEN	GENERIC	Partnames	ADP2 P/N
			ADG3245-D0LA1P2
15	ADG324	ADG3245-D0LA1GT	
16	ADG324	ADG3248-D0CGJHK1	
18	ADG324	ADG3248-D0LAJHK1GT	
16	ADG324	ADG3245-D0CGJBY1	
18	ADG324	ADG3243-D0LAJHK1GT	
18	ADG324	ADG3243-D0CGJHK1GT	
18	ADG324	ADG3241-D0LAJHK1GT	
18	ADG324	ADG3241-D0CGJHK1GT	

END OF PRESENTATION

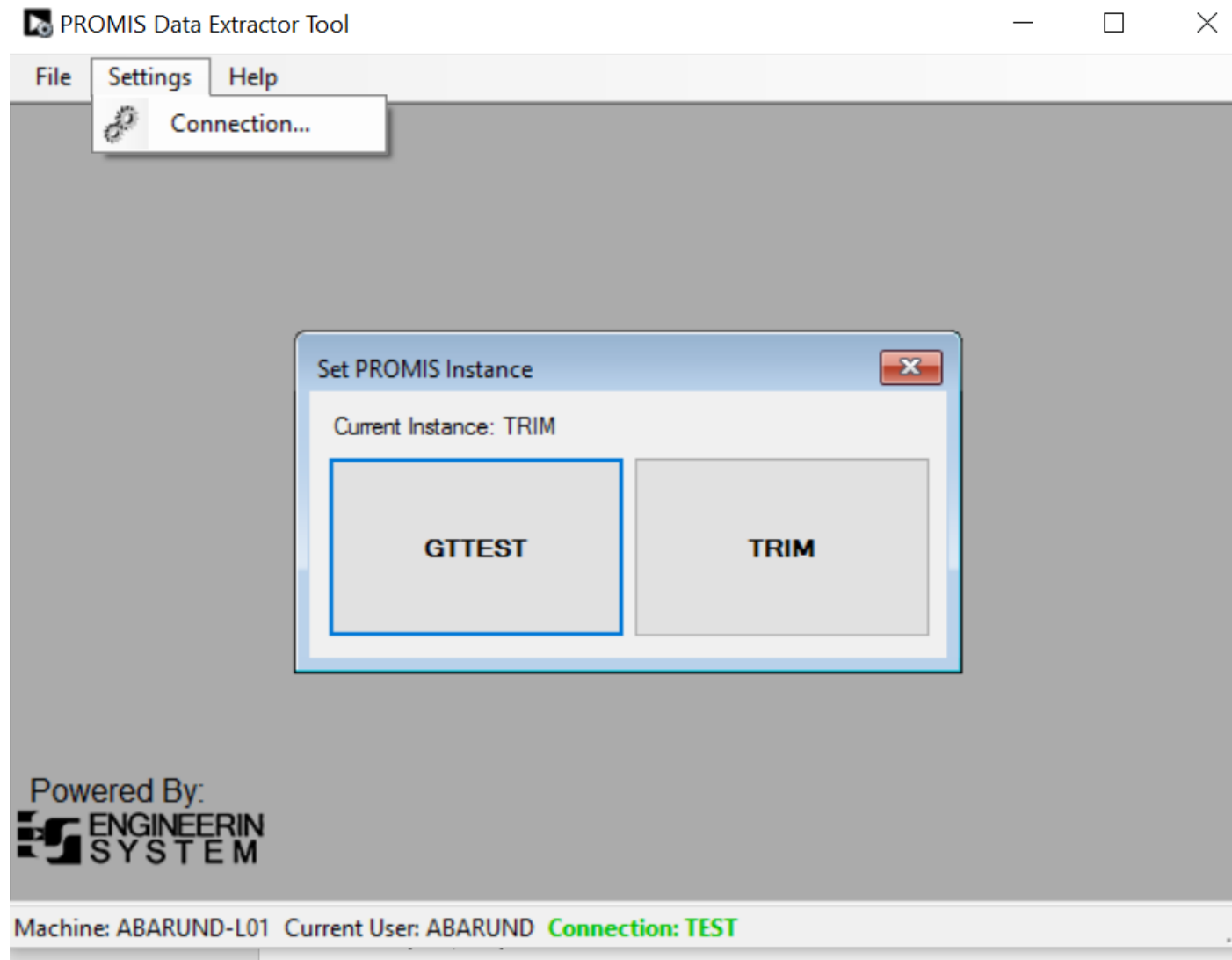
EQUIPMENT MONITORING REPORT

MARCH 26, 2019

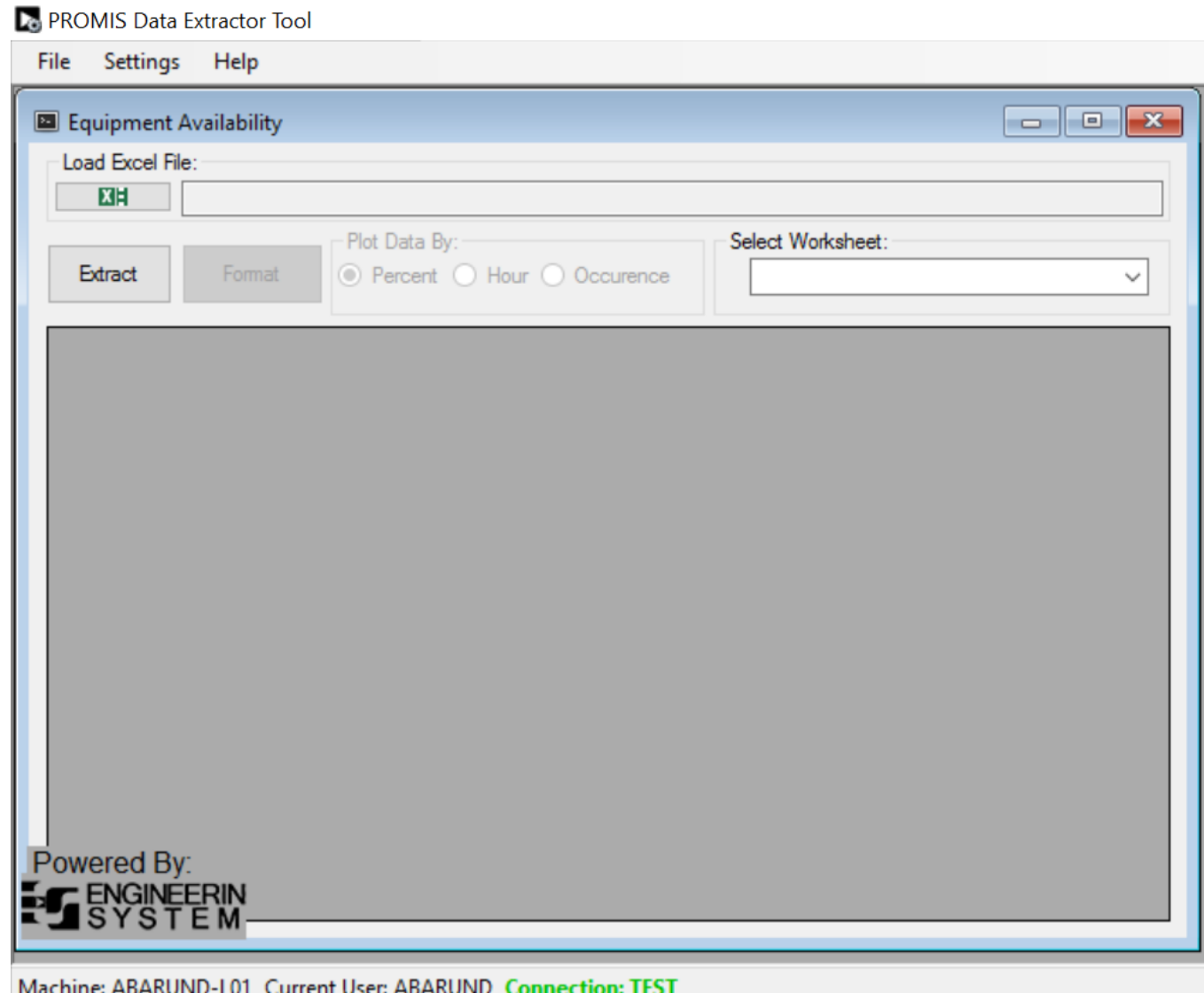
Excel Reports – Equipment Availability



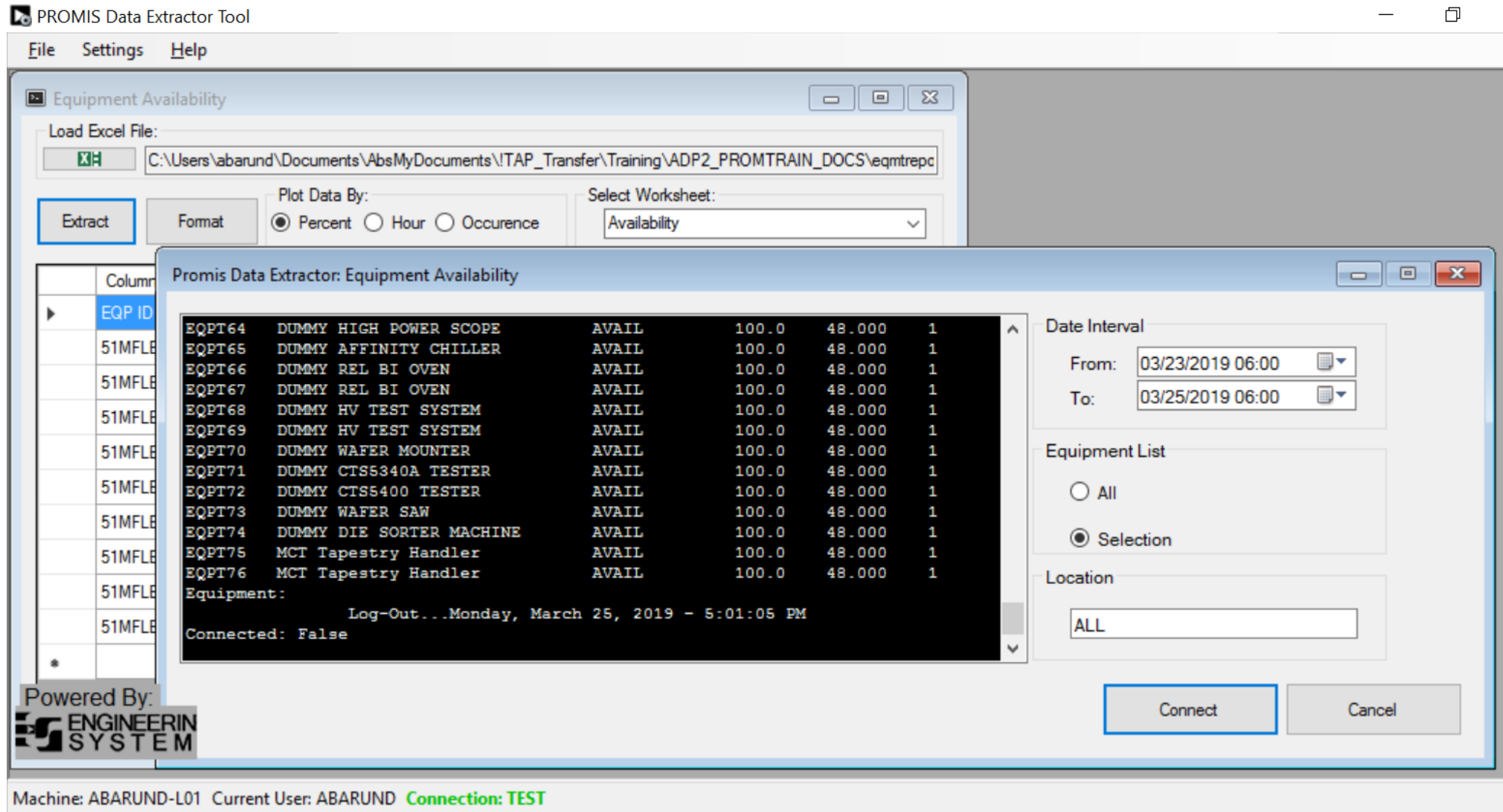
Excel Reports – Location Connection



Excel Reports – importing source file equipment list



Excel Reports – Data Extraction Process




Excel Reports – Equipment Status Report

PROMIS Data Extractor Tool - [Equipment Availability]


File Settings Help

Load Excel File:

 C:\Users\abarund\Documents\AbsMyDocuments\TAP_Transfer\Training\ADP2_PROMTRAIN_DOCS\eqmtrepc

Extract Format Plot Data By: ☒ Percent ☐ Hour ☐ Occurrence Select Worksheet: Availability

	Column1	Column2	Column3	Column4	Column5
	EQP ID	STATUS	PERCENT	HRS	OCC
	51MFLEX	IDLSTBY	4.9	1.188	7
	51MFLEX	INUSE	60.8	14.614	5
	51MFLEX	NVPACK	1.2	0.278	1
	51MFLEX	NVRESCR	7.7	1.838	1
	51MFLEX	NVSETUP	3	0.712	4
	51MFLEX	PEDISPO	1.9	0.454	2
	51MFLEX	UDHANDL	2	0.476	3
	51MFLEX	UDPRCRD	14	3.356	2
	51MFLEX	UDSETUP	4.5	1.084	5
▶*					

Powered By:  ENGINEERING SYSTEM

Machine: ABARUND-L01 Current User: ABARUND Connection: TEST

END OF PRESENTATION

Continue...

PRODS Creation/Update Engagement

STANDARD PROBE PRODS

MARCH 27, 2019

... MORE ON STANDARD PROBE – CTS5040 ADGT PARTS

item code	LE N	GENERIC	ADGT P/N	ADP2 P/N	FAB P/N	CAT27	Proc. Conversion Rate
1	17	ADM483	ADM483-D0CBJOT1	ADM483-D0CBJOT1P2	ADM4851-B0CBJOT1	ISO	7106
2	18	ADM4850	ADM4850-D0CBJOT1	ADM4850-D0CBJOT1P2	ADM4850-B0CBJOT1	ISO	7106
3	15	ADM48518	ADM48518-D0CBGT	ADM48518-D0CBP2	ADM48518-B0CB	ISO	7106
4	18	ADM4851	ADM4851-D0CBJOT1	ADM4851-D0CBJOT1P2	ADM4851-B0CBJOT1	ISO	7106
5	18	ADM4852	ADM4852-D0CBJOT1	ADM4852-D0CBJOT1P2	ADM4852-B0CBJOT1	ISO	7106
6	19	ADM4853	ADM4853-D0CBJOT1W	DM4853-D0CBJOT1WP2	ADM4853-B0CBJOT1	ISO	7106
7	18	ADM4854	ADM4854-D0CBJOT1	ADM4854-D0CBJOT1P2	ADM4854-B0CBJOT1	ISO	7106
8	18	ADM4855	ADM4855-D0CBJOT1	ADM4855-D0CBJOT1P2	ADM4855-B0CBJOT1	ISO	7106
9	18	ADM4856	ADM4856-D0CBJOT1	ADM4856-D0CBJOT1P2	ADM4856-B0CBJOT1	ISO	7106
10	18	ADM4857	ADM4857-D0CBJOT1	ADM4857-D0CBJOT1P2	ADM4857-B0CBJOT1	ISO	7106

... MORE ON STANDARD PROBE – CTS5040 ADGT PARTS

itemcode	LEN	GENERIC	Partnames	ADP2 P/N
194	16	ADM812	ADM812Z-D0CCKAE2	
193	16	ADM812	ADM812T-D0CCKAE2	
192	16	ADM812	ADM812S-D0CCKAE2	
191	16	ADM812	ADM812R-D0CCKAE2	
190	16	ADM812	ADM812M-D0CCKAE2	
189	16	ADM812	ADM812L-D0CCKAE2	
154	13	ADM803	ADM803-D0CCZ1	
153	13	ADM803	ADM803-D0CCT1	
152	13	ADM803	ADM803-D0CCS1	
151	13	ADM803	ADM803-D0CCR1	
150	13	ADM803	ADM803-D0CCM1	
149	13	ADM803	ADM803-D0CCL1	

HANDS-ON – CONTINUE PRODS CREATION

PROMIS PRODS Update Requisition Systems

PRS AND PECN

MARCH 28, 2019

PROMIS PRODS REQUISITION SYSTEMS

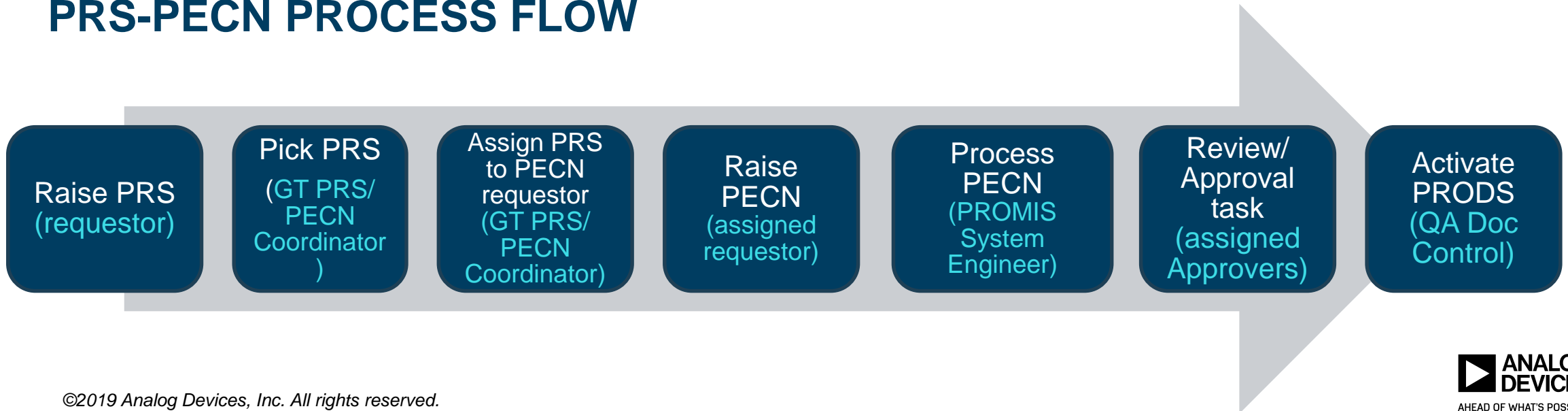
PRS – PROMIS REQUEST SYSTEM

a World Wide PROMIS PROD build/update and material disposition system

PECN – PROMIS ENGINEERING CHANGE NOTICE

an ADGT PROMIS PROD build/update and material disposition system

PRS-PECN PROCESS FLOW



World Wide PROMIS Request System (PRS)

PROMIS PROD BUILD/MODIFICATION & MATERIAL DISPOSITION

- All PROMIS prod build/modifications and material dispositions must come through the web request system*.
- Under no circumstances is email or phone contact sufficient instruction to invoke a PROMIS system change.

Web Link: <http://centralplanning.corpnt.analog.com/WWEcnsrequests/Ecnform.asp>

Source: AdLib Specs number ADI0559

World Wide PRS Web Link



World Leader in High Performance
Signal Processing Solutions

WWMfg A/T → Central Planning → Back End Foundry Promis Request System

GENERIC

REQUESTOR

REQUESTOR SITE

PROCESS PROMIS REQUESTS

VIEW PROMIS REQUESTS

APPROVE PROMIS REQUESTS

TOPICS

NEXT

☐ (1) BUILD NEW FNDY PARTNAME(S)

☐ (2) MODIFY EXISTING FNDY PART(S)

☐ (3) MATERIAL DISPOSITION FNDY PROMIS (NON EARS)

☐ (4) EARS MATERIAL DISPOSITION (EXPEDITED REQUEST)

☐ (5) EXPEDITE REQUEST

☐ (6) ISSUE TO REPORT

☐ (7) CAMBRIDGE PROMIS REQUEST(S)

☐ (8) CAMBRIDGE PROMIS LOT REQUEST(S)

☐ (9) GENERAL ECN

REASON/JUSTIFICATION

RELATED SITES

ADGT/PI PROMIS REQUEST SYSTEM

ADLK PROMIS REQUEST SYSTEM

WILMINGTON PROMIS REQUEST SYSTEM

PROMIS BUILD INTERIM FORM

ADCAM PROMIS BUILD INTERIM FORM

PRODUCTION REPORTING AND LOT STATUS

ADGT-ADPI PROMIS ECN (FOCUS)

WW SCRAP MANAGER

CENTRALIZED PLANNER WEBSITE

RESIDUAL LOT WEBSITE

MOD WEBSITE

METRICS

MONTHLY METRICS REPORTS

ECN METRICS

ANNOUNCEMENTS

CAMBRIDGE PROMIS REQUEST TRAINING

ADGT/ADPI PROMIS Request System (PRS)

ADGT Operations → PROMIS Request Main

v 1.2

Generic	<input type="text"/>	Process Promis Requests
Requestor	<input type="text" value="ABarund"/>	View Promis Requests
Site	<input type="text"/>	
Plant Affected:	<input type="checkbox"/> ADGT <input type="checkbox"/> ADPI	Area Affected: <input type="checkbox"/> Fab <input type="checkbox"/> Trim <input type="checkbox"/> Assembly <input type="checkbox"/> Test <input type="checkbox"/> H-PROD <input type="checkbox"/> FG Part <input type="checkbox"/> Other

TOPICS

Next

- ☐ Assembly or Test Site Transfers
- ☐ Bring Material Back onto Promis (Assembled Die)
- ☐ Bring Material Back onto Promis (Wafers)
- ☐ Change Lot Status (Prod ->Eng, Eng-> Prod)
- ☐ Change Preferred Supplier
- ☐ Customer Sample Prods Build
- ☐ Engineering or Qual Build
- ☐ Fab Transfer PRODs Build
- ☐ Gross Die Quantity
- ☐ Lead Free Conversion for New Products (Prod)
- ☐ Lead Free Conversion Product Build (Non Prod)
- ☐ Move Inventory (Transfer, Scrap or Cost of Sale)
- ☐ New Multisite Transfer (Purchased) Part

- ☐ New Part ID
- ☐ New Product Builds
- ☐ New Production PRODs (Post Release)
- ☐ Part/Procedure Data Element Modifications
- ☐ PCN Customer Sample – Engr Mat'l move into FG
- ☐ Probe Development PRODs Build
- ☐ Probe Transfer PRODs Build
- ☐ Reactivate Inactive Parts
- ☐ Set parts to Nostarts in Promis
- ☐ Starting Material (Includes Multichip)
- ☐ Switch Starting Material For Singulated/Strip Conversion
- ☐ Update Output Part / Binning Information

Reason/Justification

RELATED SITES

[B/E Foundry PROMIS Request System](#)
[PROMIS Build Interim Form](#)
[Test Plan Yield ECN](#)
[Production Reporting and Lot Status](#)
[ADGT-ADPI PROMIS ECN](#)

ADGT Links

[ADGT Operations](#)
[Test and Product Engineering](#)

View the requested PRS



ADGT/ADPI PROMIS Request System

[Help](#)[Contact](#)

ADGT Operations → PROMIS Request Main → View PROMIS Requests

v1.2

ADGT/ADPI PROMIS Requests View

Total Records: 1

Action	RequestNum	Generic	AreaAffected	EcnTopic	Requestor	Site	State	SubmitDate	ClosedDate	VoidDate	VoidReason
View	68622	AD5080	Trim	Part/Procedure Data Element Modifications	ABarund	ADGT	Submitted	3/25/2019 2:24:23 PM			

Details of requested PRS



ADGT/ADPI PROMIS Request System

[Help](#)[Contact](#)[ADGT Operations](#) → [PROMIS Request Main](#) → [View PROMIS Requests](#)

v 1.2

Detail Request View

Part/Procedure Data Element Modifications

Generic : AD5080

Submit Date : 3/25/2019 2:24:23 PM

Requestor : ABarund Site : ADGT

Mfg. Plant :

Area Affected : Trim

Reason : UPDATE HARDWARE INFORMATION - TYPE

Request Status	
State	: Submitted

For Request # 68622

Part Number 1	ADM812Z-D0CCKAE2
Data Element 1	Handler
New Value 1	P8_TEMP
Comments	DUMMY REQUEST ONLY. TRAINING PURPOSES

[Back to Main Form](#)

ADP2 PROPOSED PECN CATEGORY AND APPROVER

Change Category	Area
Add/Change_Merge_Lot_With_One_Prog_Rev_Apart	Probe
Change_Due_Date	Probe
Change_Lot_Location	Probe
Change_Part_Id/Lot_Type_Of_Wafer	Diebank
Add/Change_Part_Id/Proc_ID/Recipe	Probe
Create_Purchased_Part	Probe/Diebank
Add/Change_Test_Process_Flow	Probe
Add/Change_Equipment_Type/Id	Probe
Add Lot Type/Location/Stage	Probe

Approver:

Operation Mgr.: BS Chng
Engineering Mgr.: CL Tham
Department Mgr.: Selina Leong

PECN Web Link...

<http://adgtweb1/PECN/ECN/Records>

END OF PRESENTATION

Wrap Up Meeting

PRODS MODELLING AND LOT MANAGEMENT TRAINING

MARCH 29, 2019

Week 1 Itinerary

<u>TOPICS</u>	<u>STATUS</u>	<u>DATE</u>	<u>REMARKS</u>
PRODs STRUCTURE	DONE	18-Mar	Die Shipment
Key Concepts in PRODs	DONE	18-Mar	OPER/RECP TABLE
PRODs Development	DONE	19-Mar	Called procedure Table
OPERATION	DONE	19-Mar	Instruction Update
RECIPE	DONE	19-Mar	PINS parameter
PROCEDURE	DONE	19-Mar	DCOP creation
PART	DONE	19-Mar	DCOP with Calculation
PARAMETERS	DONE	19-Mar	
PRODs CREATION/UPDATE PRE REQUISITES	DONE	20-Mar	
REQUISITION SYSTEMS	DONE	21-Mar	
PRS, PECN, PRIME, TRS etc.	DONE	21-Mar	
BOM/PLANNING REQUIREMENTS	DONE	22-Mar	
PRODs Engagement Overview	DONE	22-Mar	

Week 2 Itinerary

<u>TOPICS</u>	<u>STATUS</u>	<u>DATE</u>	<u>REMARKS</u>
MATERIAL MANAGEMENT	DONE	25-Mar	
LOT PROCESSING MANAGEMENT	DONE	25-Mar	
ENGINEERING DATA EXTRACT	DONE	26-Mar	
PRODS ENGAGEMENT 1 CTS5040_B	DONE	26-Mar	8 prods
PRIME NEW PRODUCT REQUEST SYSTEM	DONE	26-Mar	
TEST REQUIREMENT SYSYEM	DONE	26-Mar	
PRS SYSTEM	DONE	26-Mar	
PECN TRAINING	DONE	26-Mar	
EXCEL REPORTS EQUIPMENT AVAILABILITY EXTRACT	DONE	26-Mar	
PRODS ENGAGEMENT 2 CTS5040_B	DONE	27-Mar	10 prods
PECN CASCADE WITH MFG./ENGG TEAM	DONE	27-Mar	
PRODS ENGAGEMENT 2 CTS5040_B	DONE	28-Mar	12 prods
PRODS ENGAGEMENT 3 CTS5040_B	DONE	29-Mar	16 prods

END OF PRESENTATION