



# MICROCHIP



MICROCHIP

A Leading Provider of Microcontroller,  
Mixed-Signal, Analog & Flash-IP Solutions



**FT Engg Flow (MPhil)**

*Mar 2019: L. Camson*



# Benchmarking

Atmel



TPE Tasks	From (RFA):	From (MCU):	Owner	To:	Owner	Status
Product database	HNO Databank	SJO Databank	Line Sustaining	Baan/PDC	TPE / BU	100% Integrated
Test Process Flow	Databank	Device Management Tool	Line Sustaining	Baan/PDC	TPE / BU	100% Integrated
Test Setup	Sorter Map	Device Management Tool	Line Sustaining	Baan/PDC	TPE / BU	100% Integrated
Special Flow	Work-I	Work-I	BU / PE	Baan/PDC	TPE / BU	75% Integrated
Test Time	HNO Databank	SJO Databank	PE / Line Sustaining	CM	TPE	100% Integrated
LOH and Disposition	NCM / WS	NCM / LTS	Line Sustaining	PPO / MES	TPE / PT	100% Integrated
MRB	NCM	NCM	BU / PE / Line Sustaining	NCRB	PT / TPE / BU	100% Integrated
Change Notice	CRS	CRS	BU / PE	eCN	TPE / BU	100% Integrated
Test Program Control	Network Folder	CVS, TRS, TMP, Network Folder	Line Sustaining	mchpSVN	TPE / BU	75% Integrated
Yield Report	FabTime / GTE Portal	GTE Portal	BU / PE	BEWeb	All	90% Integrated
Control Yield	Databank	Device Management Tool	Line Sustaining	MES	TPE	100% Integrated



# Objective

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- **Replacement of ex-Atmel's Work-I**
- **From manual to electronic routing of engineering work instruction through eSign**



# Tools and Methods

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- MES
- eSign
- BAANPROD
- PSI Approval Helper



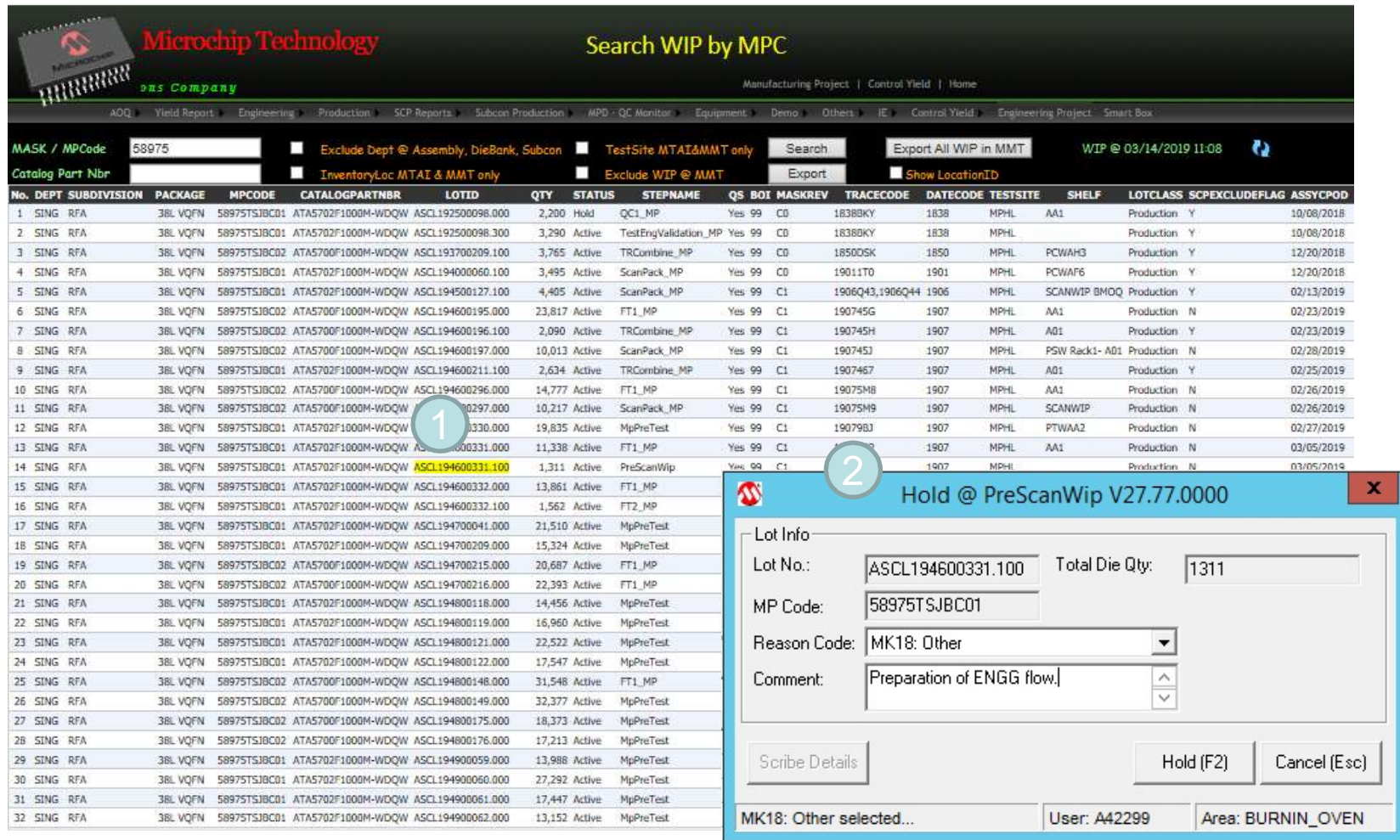
# Procedure

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1. **Identify and hold the lot/s: Production or Engineering lot class**
2. **Create engineering flow in BAANPROD**
3. **Create eSign indicating the use of Engg Flow and special instruction/s**
4. **Activate created flow**
5. **Review created flow using PSI Approval Helper**
6. **Release the lot/s and “ChangeTestFlow” of identified lot/s in MES**
7. **Prod to Print/Reprint TSO/LTC on green traveler**

# Procedure

## 1. Identify and hold the lot/s: Production or Engineering lot class



**Microchip Technology**  
Search WIP by MPC

Manufacturing Project | Control Yield | Home

AOQ | Yield Report | Engineering | Production | SCP Reports | Subcon Production | MPD - QC Monitor | Equipment | Demo | Others | IE | Control Yield | Engineering Project | Smart Box

MASK / MPCCode: 58975  Exclude Dept @ Assembly, DieBank, Subcon  TestSite MTA&MMT only   WIP @ 03/14/2019 11:08

Catalog Part Nbr:   Inventory Loc MTAI & MMT only  Exclude WIP @ MMT   Show LocationID

No.	DEPT	SUBDIVISION	PACKAGE	MPCODE	CATALOGPARTNBR	LOTID	QTY	STATUS	STEPNAME	QS	BOI	MASKREV	TRACECODE	DATECODE	TESTSITE	SHELF	LOTCLASS	SCPEXCLUDEFLAG	ASSYCPD
1	SING	RFA	3BL VQFN	58975TSJBC01	ATA5702F1000M-WDQW	ASCL192500098.000	2,200	Hold	QC1_MP	Yes	99	C0	18380KY	1838	MPHL	AA1	Production	Y	10/08/2018
2	SING	RFA	3BL VQFN	58975TSJBC01	ATA5702F1000M-WDQW	ASCL192500098.300	3,290	Active	TestEngValidation_MP	Yes	99	C0	18380KY	1838	MPHL	AA1	Production	Y	10/08/2018
3	SING	RFA	3BL VQFN	58975TSJBC02	ATA5700F1000M-WDQW	ASCL193700209.100	3,765	Active	TRCombine_MP	Yes	99	C0	185005K	1850	MPHL	PCWAH3	Production	Y	12/20/2018
4	SING	RFA	3BL VQFN	58975TSJBC01	ATA5702F1000M-WDQW	ASCL194000060.100	3,495	Active	ScanPack_MP	Yes	99	C0	19011T0	1901	MPHL	PCWAF6	Production	Y	12/20/2018
5	SING	RFA	3BL VQFN	58975TSJBC01	ATA5702F1000M-WDQW	ASCL194500127.100	4,405	Active	ScanPack_MP	Yes	99	C1	1906Q43,1906Q44	1906	MPHL	SCANWIP BMOQ	Production	Y	02/13/2019
6	SING	RFA	3BL VQFN	58975TSJBC02	ATA5700F1000M-WDQW	ASCL194600195.000	23,817	Active	FT1_MP	Yes	99	C1	190745G	1907	MPHL	AA1	Production	N	02/23/2019
7	SING	RFA	3BL VQFN	58975TSJBC02	ATA5700F1000M-WDQW	ASCL194600196.100	2,090	Active	TRCombine_MP	Yes	99	C1	190745H	1907	MPHL	A01	Production	Y	02/23/2019
8	SING	RFA	3BL VQFN	58975TSJBC02	ATA5700F1000M-WDQW	ASCL194600197.000	10,013	Active	ScanPack_MP	Yes	99	C1	190745J	1907	MPHL	PSW Rack1- A01	Production	N	02/28/2019
9	SING	RFA	3BL VQFN	58975TSJBC01	ATA5702F1000M-WDQW	ASCL194600211.100	2,634	Active	TRCombine_MP	Yes	99	C1	1907467	1907	MPHL	A01	Production	Y	02/25/2019
10	SING	RFA	3BL VQFN	58975TSJBC02	ATA5700F1000M-WDQW	ASCL194600296.000	14,777	Active	FT1_MP	Yes	99	C1	19075M8	1907	MPHL	AA1	Production	N	02/26/2019
11	SING	RFA	3BL VQFN	58975TSJBC02	ATA5700F1000M-WDQW	ASCL194600297.000	10,217	Active	ScanPack_MP	Yes	99	C1	19075M9	1907	MPHL	SCANWIP	Production	N	02/26/2019
12	SING	RFA	3BL VQFN	58975TSJBC01	ATA5702F1000M-WDQW	ASCL194600330.000	19,835	Active	MpPreTest	Yes	99	C1	19079B3	1907	MPHL	PTWAA2	Production	N	02/27/2019
13	SING	RFA	3BL VQFN	58975TSJBC01	ATA5702F1000M-WDQW	ASCL194600331.000	11,338	Active	FT1_MP	Yes	99	C1	19079B3	1907	MPHL	AA1	Production	N	03/05/2019
14	SING	RFA	3BL VQFN	58975TSJBC01	ATA5702F1000M-WDQW	ASCL194600331.100	1,311	Active	PreScanWip	Yes	99	C1	19079B3	1907	MPHL	AA1	Production	N	03/05/2019
15	SING	RFA	3BL VQFN	58975TSJBC01	ATA5702F1000M-WDQW	ASCL194600332.000	13,861	Active	FT1_MP	Yes	99	C1	19079B3	1907	MPHL	AA1	Production	N	03/05/2019
16	SING	RFA	3BL VQFN	58975TSJBC01	ATA5702F1000M-WDQW	ASCL194600332.100	1,562	Active	FT2_MP	Yes	99	C1	19079B3	1907	MPHL	AA1	Production	N	03/05/2019
17	SING	RFA	3BL VQFN	58975TSJBC01	ATA5702F1000M-WDQW	ASCL194700041.000	21,510	Active	MpPreTest	Yes	99	C1	19079B3	1907	MPHL	AA1	Production	N	03/05/2019
18	SING	RFA	3BL VQFN	58975TSJBC01	ATA5702F1000M-WDQW	ASCL194700209.000	15,324	Active	MpPreTest	Yes	99	C1	19079B3	1907	MPHL	AA1	Production	N	03/05/2019
19	SING	RFA	3BL VQFN	58975TSJBC02	ATA5700F1000M-WDQW	ASCL194700215.000	20,687	Active	FT1_MP	Yes	99	C1	19079B3	1907	MPHL	AA1	Production	N	03/05/2019
20	SING	RFA	3BL VQFN	58975TSJBC02	ATA5700F1000M-WDQW	ASCL194700216.000	22,393	Active	FT1_MP	Yes	99	C1	19079B3	1907	MPHL	AA1	Production	N	03/05/2019
21	SING	RFA	3BL VQFN	58975TSJBC01	ATA5702F1000M-WDQW	ASCL194800118.000	14,456	Active	MpPreTest	Yes	99	C1	19079B3	1907	MPHL	AA1	Production	N	03/05/2019
22	SING	RFA	3BL VQFN	58975TSJBC01	ATA5702F1000M-WDQW	ASCL194800119.000	16,960	Active	MpPreTest	Yes	99	C1	19079B3	1907	MPHL	AA1	Production	N	03/05/2019
23	SING	RFA	3BL VQFN	58975TSJBC01	ATA5702F1000M-WDQW	ASCL194800121.000	22,522	Active	MpPreTest	Yes	99	C1	19079B3	1907	MPHL	AA1	Production	N	03/05/2019
24	SING	RFA	3BL VQFN	58975TSJBC01	ATA5702F1000M-WDQW	ASCL194800122.000	17,547	Active	MpPreTest	Yes	99	C1	19079B3	1907	MPHL	AA1	Production	N	03/05/2019
25	SING	RFA	3BL VQFN	58975TSJBC02	ATA5700F1000M-WDQW	ASCL194800148.000	31,548	Active	FT1_MP	Yes	99	C1	19079B3	1907	MPHL	AA1	Production	N	03/05/2019
26	SING	RFA	3BL VQFN	58975TSJBC02	ATA5700F1000M-WDQW	ASCL194800149.000	32,377	Active	MpPreTest	Yes	99	C1	19079B3	1907	MPHL	AA1	Production	N	03/05/2019
27	SING	RFA	3BL VQFN	58975TSJBC02	ATA5700F1000M-WDQW	ASCL194800175.000	18,373	Active	MpPreTest	Yes	99	C1	19079B3	1907	MPHL	AA1	Production	N	03/05/2019
28	SING	RFA	3BL VQFN	58975TSJBC02	ATA5700F1000M-WDQW	ASCL194800176.000	17,213	Active	MpPreTest	Yes	99	C1	19079B3	1907	MPHL	AA1	Production	N	03/05/2019
29	SING	RFA	3BL VQFN	58975TSJBC01	ATA5702F1000M-WDQW	ASCL194900059.000	13,988	Active	MpPreTest	Yes	99	C1	19079B3	1907	MPHL	AA1	Production	N	03/05/2019
30	SING	RFA	3BL VQFN	58975TSJBC01	ATA5702F1000M-WDQW	ASCL194900060.000	27,292	Active	MpPreTest	Yes	99	C1	19079B3	1907	MPHL	AA1	Production	N	03/05/2019
31	SING	RFA	3BL VQFN	58975TSJBC01	ATA5702F1000M-WDQW	ASCL194900061.000	17,447	Active	MpPreTest	Yes	99	C1	19079B3	1907	MPHL	AA1	Production	N	03/05/2019
32	SING	RFA	3BL VQFN	58975TSJBC01	ATA5702F1000M-WDQW	ASCL194900062.000	13,152	Active	MpPreTest	Yes	99	C1	19079B3	1907	MPHL	AA1	Production	N	03/05/2019

**Hold @ PreScanWip V27.77.0000**

Lot Info

Lot No.: ASCL194600331.100 Total Die Qty: 1311

MP Code: 58975TSJBC01

Reason Code: MK18: Other

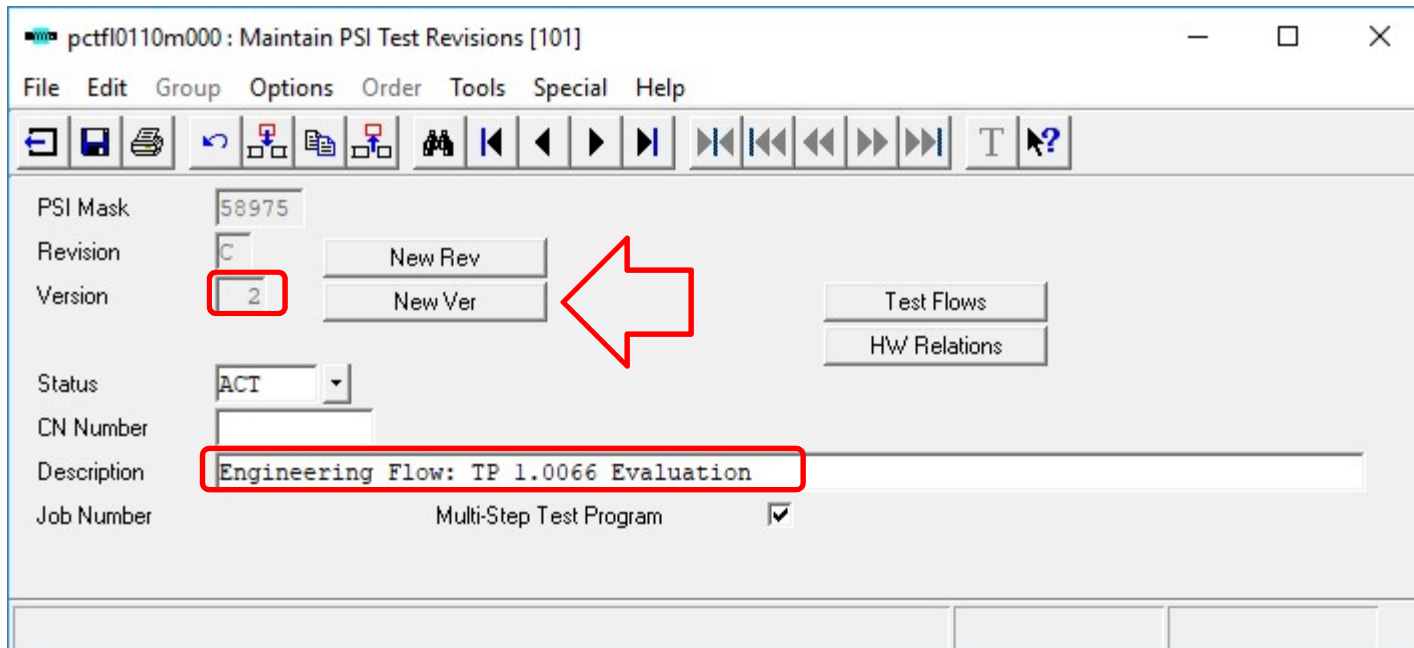
Comment: Preparation of ENGG flow.

MK18: Other selected... User: A42299 Area: BURNIN\_OVEN

# Procedure

## 2. Create engineering flow in BAANPROD

**Recommend to delete all unnecessary flow from the version to prevent confusion since production will be able to see all available flows.**



pctf10110m000 : Maintain PSI Test Revisions [101]

File Edit Group Options Order Tools Special Help

PSI Mask 58975

Revision C

Version 2

Status ACT

CN Number

Description Engineering Flow: TP 1.0066 Evaluation

Job Number Multi-Step Test Program

New Rev

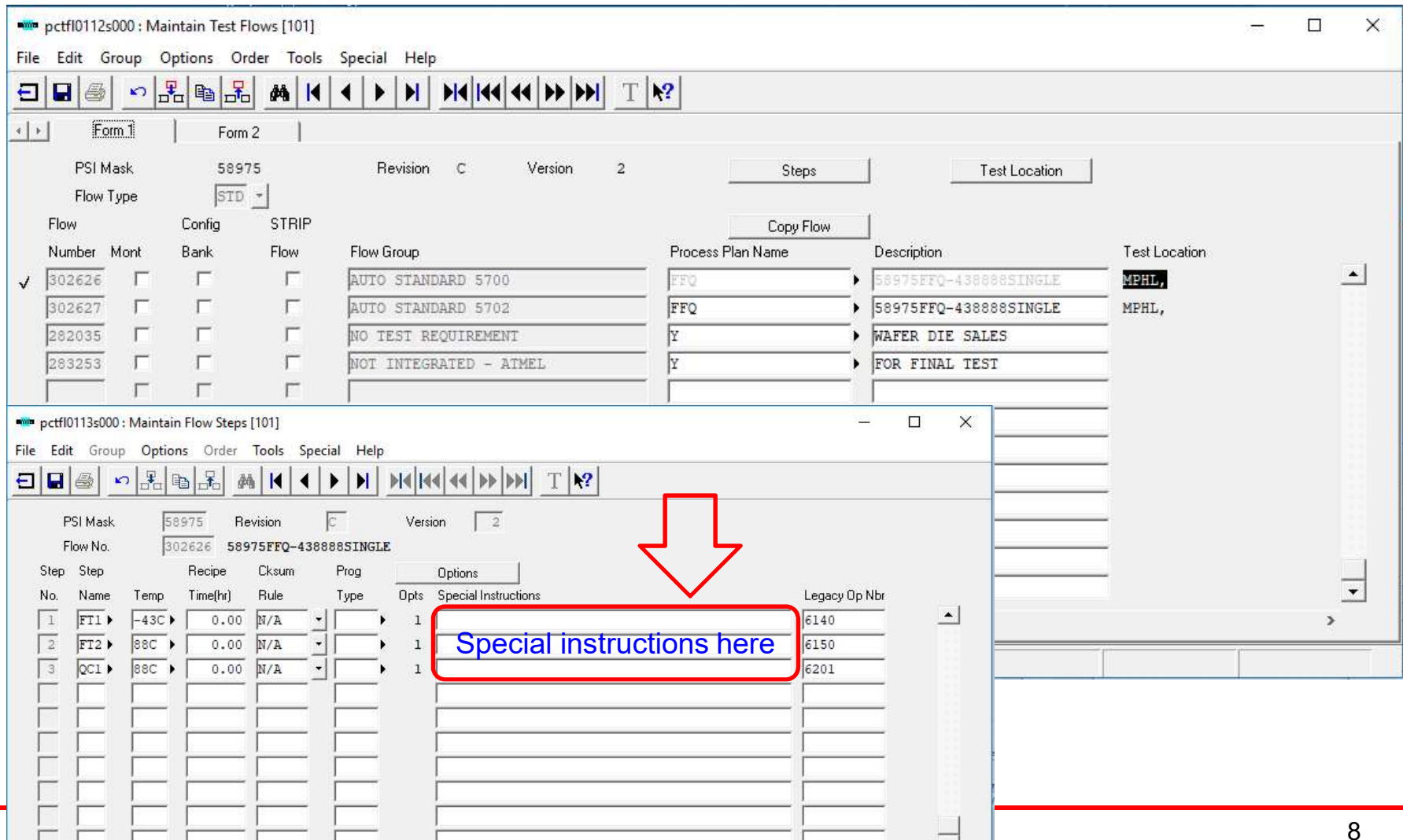
New Ver

Test Flows

HW Relations

# Procedure

## 2.1 Specify your special instructions



The image shows two overlapping software windows from Microchip's test flow management software.

The top window, titled "pctf0112s000 : Maintain Test Flows [101]", displays a list of test flows. The "Flow No." column shows values like 302626, 302627, 282035, and 283253. The "Process Plan Name" and "Description" columns provide details for each flow.

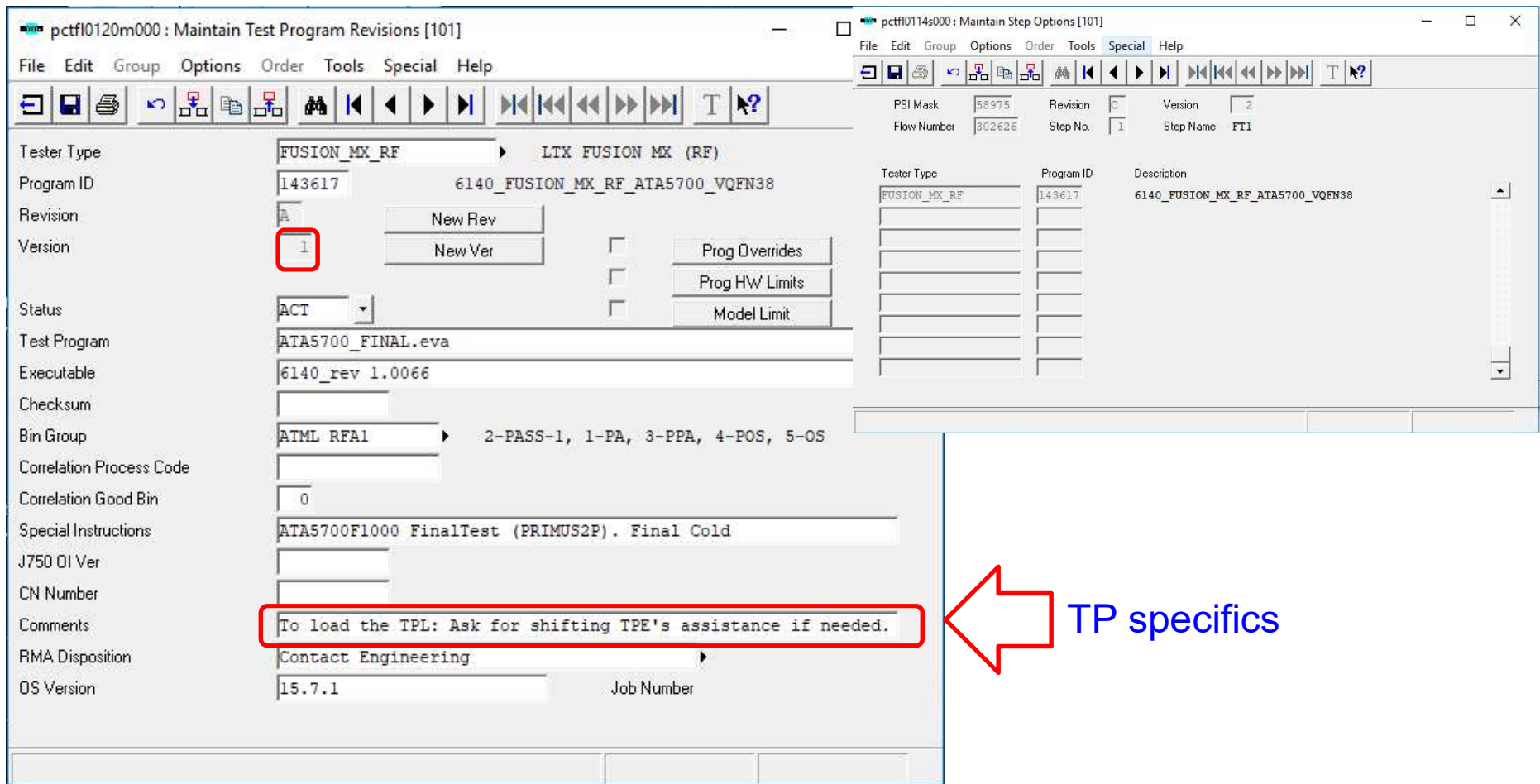
The bottom window, titled "pctf0113s000 : Maintain Flow Steps [101]", shows a detailed view of a specific flow step. The "Flow No." is 302626 and the "Flow Name" is 58975FFQ-438888SINGLE. A table lists steps with columns for Step No., Step Name, Temp, Time(hr), Rule, Prog, Opts, Special Instructions, and Legacy Op Nbr. A red arrow points to the "Special Instructions" column for step 1, which contains the text "Special instructions here".

Step No.	Step Name	Temp	Time(hr)	Rule	Prog	Opts	Special Instructions	Legacy Op Nbr
1	FT1	-43C	0.00	N/A		1	Special instructions here	6140
2	FT2	88C	0.00	N/A		1		6150
3	QC1	88C	0.00	N/A		1		6201



# Procedure

**2.2 It is recommended to create new program ID with “Ver” 1 and up for TP evaluations**



The screenshot displays two windows from the Microchip software interface:

- Left Window: Maintain Test Program Revisions [101]**
  - Tester Type: FUSION\_MX\_RF (LTX FUSION MX (RF))
  - Program ID: 143617 (6140\_FUSION\_MX\_RF\_ATA5700\_VQFN38)
  - Revision: A
  - Version: **1** (highlighted with a red box)
  - Status: ACT
  - Test Program: ATA5700\_FINAL.eva
  - Executable: 6140\_rev 1.0066
  - Bin Group: ATML RFA1 (2-PASS-1, 1-PA, 3-PPA, 4-POS, 5-OS)
  - Special Instructions: ATA5700F1000 FinalTest (PRIMUS2P). Final Cold
  - Comments: **To load the TPL: Ask for shifting TPE's assistance if needed.** (highlighted with a red box)
  - RMA Disposition: Contact Engineering
  - OS Version: 15.7.1
- Right Window: Maintain Step Options [101]**
  - PSI Mask: 58975
  - Flow Number: 302626
  - Revision: C
  - Step No.: 1
  - Version: 2
  - Step Name: FT1
  - Tester Type: FUSION\_MX\_RF
  - Program ID: 143617
  - Description: 6140\_FUSION\_MX\_RF\_ATA5700\_VQFN38

A red arrow points from the text **TP specifics** to the highlighted 'Comments' field in the left window.

# Procedure

## 3. Create eSign indicating the use of Engg Flow and special instruction/s

MICROCHIP		Inventory Disposition Request		ID: 19892
				ES284460 Submitted
This record superseded another: No				
Inventory Disposition Type: Final Test				<i>*Required Field</i>
Final Test Location: <input checked="" type="checkbox"/> MPHL				
Mask #	58975	Division	WSG	Request Date 3/17/2019
Requestor	Domingo Cacal Jr - A50127			Date Needed 4/7/2019
Microchip Lot#	A5CL194600332.100, A5CL194600331.10		Foundry/Subcon Lot#	
Current QS Status	Yes	Current Lot Class	Engineering Lot	
MPC	58975TSJBC01	CPN	ATA5702F1000M-WDQW	
Quantity of Die		Base CPN		
Quantity	1441, 1316	Mask Call Rev	C1	
Major Prod Rev		Wafer or Die Source MPC		
<b>ORDER INFORMATION</b>				
Customer PO#		Microchip SO#		
Comment				
<i>*For multiple entries - attach spreadsheets</i>				
Attachments				
<b>SPECIAL INSTRUCTION</b>				
These lot has been used for tp evaluation, ok to release				
<b>INVENTORY DISPOSITION</b>				
Disposition	<input checked="" type="checkbox"/> Ship non-conforming FG		<i>If Disposition "Hold", Enter Comment</i>	
<i>Please use eNCRB system for scraping Production lot.</i>				
<b>SHIP TO INSTRUCTION</b>				
Location 1	Quantity	Attention To	Add:	
Address				

MICROCHIP		eSign		ES284460	
Welcome:		Luther Mark Carson - A42299			
Created By:		Domingo Cacal Jr - A50127			
Created On:		03/14/2019			
Status:		Submitted			
<i>*Required Field</i> <i>^ Approver Editable Field</i>					
Approval Category* BEWO Inventory Disposition					
Subject* ^		Test Program 1.0066 evaluation (FT)		If this eSign supersedes a previous one, enter "Supersede ESXXXXXX:id" in subject line.	
Description* ^		2 lots used for TP 1.0066 evaluation and can be moved to FG. No change in LotClass.			
Mask# ^		58975		Enter Mask#	
Division ^		WSG			
Superseded ES# ^					
<b>Attachment</b>					
File Attachments^ (Word, Excel, PDF, etc.)					
<a href="#">Click here to upload files</a> >> <a href="#">(Not seeing your files? Click here to refresh)</a>					
SharePoint Library/List Records					
ID	Attached By	Form URL	Comment		
19892	Domingo Cacal Jr - A50127	58975-Final Test-Lot:Eng-2019-04-04			
<b>Sign-off</b>					
Sign-off Method: <input checked="" type="radio"/> Parallel <input type="radio"/> Sequential					
Approver* ^		Luther Mark Carson - A42299;		✗	
		Carlo Joseph Siman - A19370;		✗	
		Juthathip Waivasanit - B06444;		✗	
		Adrian Caramol - A42307;		✗	
		SPS MPH. BEWO;		✗	
		<input checked="" type="checkbox"/> Insert Approver			
		<b>Update Approvers</b>			
Observers		(Receive an email after the request is submitted)			
		Judy Hugo - A42521			
		Maricris Ramos - A42787			
		Ligaya Batacan - A50327			
		Flor Magpayo - A42600			

**Note:** you can't ship any lot that was processed using Engg Flow to FG. You need to have an approved eSign before shipment.



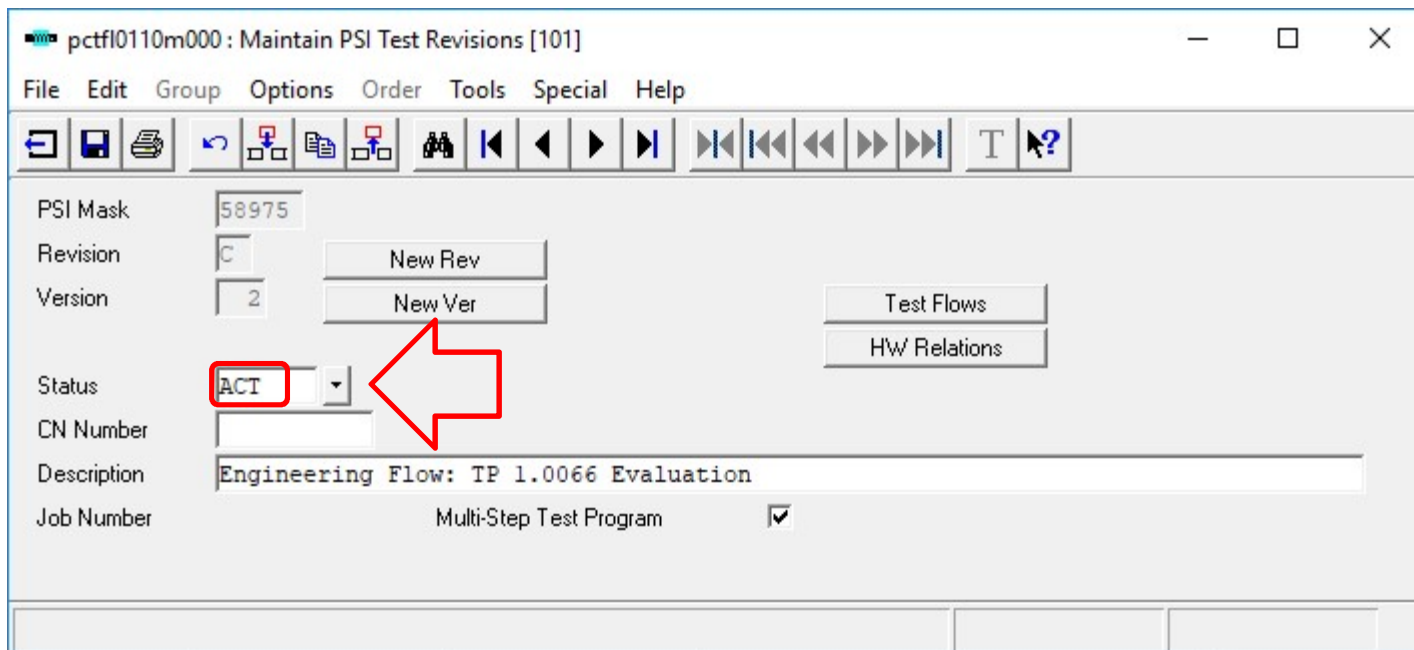
# Procedure

## 3.1 Follow eSign approvers

Master Product Specification System & Approval Matrices

Table A-5 Backend Work Orders (Probe/Assembly/Final Test/Qual) Approval Matrix		
BE WO Approval Category	Approvers	
	Eng Lot	Prod Lot
<u>BEWO Inventory Disposition:</u>  <i>No processing to be done except for a change to the inventory class, restriction level, location, etc.</i>	<ul style="list-style-type: none"> <li>- Division/BU Engineering Planner</li> <li>- Product Engineer or Process Engineer</li> <li>- "SPS_Mthai_EngPlanner" – Required for MTHAI &amp; External Fab/Subcon processing</li> </ul>	<ul style="list-style-type: none"> <li>- Division/BU Engineering Planner</li> <li>- Product Engineer or Process Engineer</li> <li>- Production Planning</li> </ul>
	<ul style="list-style-type: none"> <li>- "<u>SPS_Probe_Chan</u>" – Required for Chandler (CHAN) processing</li> <li>- "<u>SPS_SJ_BEWO_Proc</u>" – Required for San Jose (MCRL) processing</li> <li>- "<u>SPS_CSO_BEWO</u>" – Required for Colorado Springs (MCSO) processing</li> <li>- "<u>SPS_MPHL_BEWO</u>" – Required for MPhil (MPHL) processing</li> <li>- Yield Enhancement Engineer – Required for change in Lot Class or change to QS Status</li> <li>- Test Engineer – Required for Probe Test Instruction Only (not applicable for MPD_FLASH)</li> </ul>	

## 4. Activate created flow



**Once done, change status to PEND then save,  
then change the status to ACT then save.**

# Procedure

## 5. Review created flow using PSI Approval Helper

Mask:

Test Rev.:

Test Vers.:

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Fill Main Source 1 & Main Source 2:

M/S 1:

M/S 2:

Include not use in TestFlow

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Mask:

**Test Flow Options** CN#: \_\_\_\_\_ Date Mod: 03/11/2019

Mask: 58975    Revision: C    Version: 2    Status: ACT    Time Mod: 23:08:40

Change Comment: Engineering Flow: TP 1.0088 Evaluation    User Mod: a42299

**Flow Group: AUTO STANDARD 5700**

**STD**

Flow # 302626 58975FFQ-438888 SINGLE (FFQ) STD

Srip Flow = 'No'    Config Bank = 'No'    Monitor = 'No'    Test Location: MPHLL

Tester	Prgrm ID	Description	NOTE: Please see "Program Revs by Mask" report for program details.	Legacy Op Nbr
FT1@43C				
FUSION_MX_RF	143617	6140_FUSION_MX_RF_ATA5700_VQFN38		6140
FT2@88C				
FUSION_MX_RF	143621	6150_FUSION_MX_RF_ATA5700_VQFN38		6150
QC1@88C				
FUSION_MX_RF	143626	6201_FUSION_MX_RF_ATA5700_VQFN38		6201

**RSN**

Flow # 302624 58975R88SINGLERESCREEN (R) RSN

Srip Flow = 'No'    Config Bank = 'No'    Monitor = 'No'    Test Location: MPHLL

Tester	Prgrm ID	Description	NOTE: Please see "Program Revs by Mask" report for program details.	Legacy Op Nbr
RT1@88C				
FUSION_MX_RF	132661	6201_FUSION_MX_RF_ATA5700_VQFN38		6201

# Procedure

## 6. Release the lot/s and “ChangeTestFlow” of identified lot/s in MES

**1**

**Release @ TestEngValidation\_MP V27.77.0000**

Lot Info

Lot No.: ASCL193000233.000 Total Die Qty: 4450

MP Code: 36118YRTBVA1

Hold Reason: FT13: Failed QC

Reason Code: REL01: Use As Is

Comment: Pls re-print LTC to reflect new flow.

QS9000:  Yes  No

Scribe Details Release (F2) Cancel (Esc)

REL01: Use As Is selected... User: A42299 Area: BURNIN\_OVEN

Enter the Lot ID

00331.100

Dispatch (F)

Test
FFQ_MP
AllProducts
Active
FT1_MP
TESTER_MP
WaitingForTestTrackIn

**ChangeTestFlow @ MP\_Test V27.77.0000**

Lot Information

Lot Number: ASCL194600331.100 Test Flow Nbr: 302627

MP Code: 58975TSJBC01 Test Rev: C

Lot Type: Test Test Vers: 0

Change Test Flow

Reposition Step: [v]

	Flow Nbr	Rev	Vers	Flow Description	FW Process Plan	CN Number	Status	Type
<input type="checkbox"/>	302627	C	0	58975FFQ-438888SINGLE	FFQ	1900131	Active	SING
<input type="checkbox"/>	302627	C	1	58975FFQ-438888SINGLE	FFQ		Active	SING
<input checked="" type="checkbox"/>	302627	C	2	58975FFQ-438888SINGLE	FFQ		Active	SING

Change (F2) Cancel (Esc)

User: A42299 Area: MP\_Test

**2**

- AutoRoute
- AutoTrackIn
- AutoTrackOut
- BonusFabLot
- CancelTrackIn
- ChangeQS9000State
- ChangeRescreenTestFlow
- ChangeTestFlow**
- DieBankLotMaintenance
- FAValidation
- HoldVAC
- MaintainCtrlOSYIdLTPD
- MaintainEDCTestResultEng
- MaintainFullScribel
- MaintainNCMCode
- MaintainScribelDs
- MoveLotToStep
- PreProbeWipTrackOut
- ProbeLotMaintenance
- ProbeRouter
- ProbeScrapLot
- ProbeSplitLot
- ProbeTrackIn
- ProbeTrackOut
- RegenerateTestForms
- ScribeOrderTrackOut

Enter the Equipme

Available

Capacity

Capacity

Current Lot

State

# Procedure

## 7. Prod to Print/Reprint TSO/LTC on green test traveler

**TEST SETUP OPTIONS -- MPC: 58975TSJBC01 FLOW#: 302627 REV: C VER: 2 DIVISION: RFA**

MPC: 58975TSJBC01 LOT: ASCL194600332.100

CAT PART NUMBER: ATAS702F1000M-WDQW  
 WAFER LOT: U08C9194S7884.000  
 MASK CALL REV: C1 LEAD/CONFIG: 38/VQFN\_5X7 (3,8)  
 TRACE CODE: 190796Q

FLOW STEPS: FT1@-43C, FT2@88C, QC1@88C  
 FLOW DESC: 58975FFQ-43888SSINGLE

SDP PROD ID: SDP CUST ID: SDP MPC: QCODE:  
 CP ON CHECKSUM: CP OFF CHECKSUM: QCODE:

DEVICE CHECKSUM: N/A

CP ON: CP OFF:  
 QCODE: CAT PART NO:  
 DEVICE CHECKSUM:

1.FT1@-43C

Tester Type: FUSION\_MX\_RF  
 Tester Models  
 FUSION\_MX\_RF

Hardware Setups for 38/VQFN\_5X7 (SJB)

SETUP ID	HANDLER	LOADBOARD	CONTACTOR	CHANNEL MAP	DUTBOARD	ADAPTER	CABLESET	SC	TB INTERFACE
<input type="checkbox"/> 1	RAS2800	14-A13676	14-A16692		14-A13677			4	
<input type="checkbox"/> 2	RAS_SATURN	14-A13676	14-A16692		14-A13677			4	
<input type="checkbox"/> 20	MUT	14-A13676	14-A17078		14-A13677			4	

Program Options

ID: 143629 Rev: A Ver: 1 Status: A CN Number: Verified

Main Source: ATAS702\_FINAL.ewa

Checksum:

Executable Name: 6140\_rev 1.0066

Part Number: ATAS702F1000-P33HEP

Temperature: -43C Programming Type:

Bins: 2-PASS, 1-PA, 3-PPA, 4-POS, 5-O/S

Bin Description: 2-PASS, 1-PA, 3-PPA, 4-POS, 5-O/S

Comments: To load the TP: Ask for shifting TPE's assistance if needed. ✓

2.FT2@88C

**Note:** Engineering lot is identified when TSO version (Ver) is NOT zero "0".



# Ref. Spec

- **PI-92002 - TEST TRAVELER OPERATING PROCEDURE**

6 PROCEDURES AND REQUIREMENTS

6.1 Test traveler consists of Test Setup Options and Singulated or Strip Test Traveler forms.

6.2 There are three categories of the production lot which is specified in three different colors of the test traveler as follow :

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## TEST TRAVELER OPERATING PROCEDURE

White = Normal Production Lot.

**Green** = Experiment/Engineering Lot.

Orange = Hot Lot. |





# BAAN to MES refresh time of MTAI/MMT/MPHL databases

PDC to DD (kick off)	DD to MES MTAI (kick off)	DD to MMT MES (kick off)	DD to MPHL MES (kick off)
3:30 AM	4:00 AM	4:20 AM	4.30 AM (3:30 AM MTAI time)
7:00 AM	7:30 AM	7:40 AM	7:40 AM (6:40 AM MTAI time)
11:00 AM	12:00 PM	12:20 PM	12.10 PM (11:10 AM MTAI time)
16.00 PM	17.00 PM	17.20 PM	17.10 PM (16:10 PM MTAI time)

DD = Data Distributor