

From: [Bernard Retutas Pamplona](#)
To: [Paul Deschenes](#); [HuaZhen Luo](#)
Cc: [Vincent Lim](#); [Chun Wei Kho](#); [Joel Mamalateo Deduyo](#); [Edwin Koh](#); [Matt Brule](#)
Subject: [EXT] RE: 210001344 ICT Program Change
Date: Thursday, 17 December, 2020 08:17:02
Attachments: [image004.png](#)
[image008.png](#)
[image011.png](#)
[image021.png](#)
[image023.png](#)
[image001.png](#)
[image002.png](#)
[image005.png](#)
[image006.png](#)

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Hi Paul,

Thanks for the approval.

Regards,



Bernard Retutas Pamplona

Senior Test Engineer

Flextronics Shah Alam Sdn. Bhd.

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81400 Senai, Malaysia

Direct : +607-597 2926

Mobile : +6011-3567 2052

E-mail : Bernardretutas.pamplona@flex.com

Web : flex.com

From: Paul Deschenes <Paul_Deschenes@waters.com>

Sent: Thursday, December 17, 2020 12:05 AM

To: HuaZhen Luo <HuaZhen_Luo@waters.com>; Bernard Retutas Pamplona <bernardretutas.pamplona@flex.com>

Cc: Vincent Lim <ChoonKhong.Lim@flex.com>; Chun Wei Kho <ChunWei.Kho@flex.com>; Joel Mamalateo Deduyo <joelmamalateo.deduyo@flex.com>; Edwin Koh <Edwin_Koh@waters.com>; Matt Brule <Matt_Brule@waters.com>

Subject: RE: 210001344 ICT Program Change

The changes seem reasonable.

All components are still being tested just differently.

We can approve the update.

Regards

Paul

Paul Deschenes**Principal Engineering Technician**

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USA

From: HuaZhen Luo <HuaZhen_Luo@waters.com>**Sent:** Monday, December 14, 2020 3:42 AM**To:** Bernard Retutas Pamplona <bernardretutas.pamplona@flex.com>; Paul Deschenes <Paul_Deschenes@waters.com>**Cc:** Vincent Lim <ChoonKhong.Lim@flex.com>; Chun Wei Kho <ChunWei.Kho@flex.com>; Joel Mamalateo Deduyo <joelmamalateo.deduyo@flex.com>; Edwin Koh <Edwin_Koh@waters.com>; Matt Brule <Matt_Brue@waters.com>**Subject:** RE: 210001344 ICT Program Change

Hi Paul,

I noticed Flex Malaysia is still waiting for your review and approve for this software change.

Would you please advise if you need any additional item from Flex Malaysia for this review & approve?

[EXT] Waters Dashboard for Month of November

 Bernard Retutas Pamplona <bernardretutas.pamplona@flex.com>
To:  HuaZhen Luo;  Desmond Ann;  Joel Mamalateo Deduyo;  Vincent Lim;  Narendran Sevoo Al Muniyandy;  Chun Wei Kho
Retention Policy: Email 2 year retention (2 years) Expires: 09.12.2022

 Flex Senai Waters Project Tester Fixture dashboard Nov 2020.xls
196 KB

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Hi HuaZhen/All,

Please see attached file for the October tester and fixture dashboard.

Highlight

- No Machine/fixture downtime for the month of October

Lowlight

- Low yield on model 210001344 in ICT(83%)
Open item: **Waiting for Waters approval for the hardware and software change in ICT fixture.**

Luo HuaZhen
Senior Test Engineer

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From: Bernard Retutas Pamplona <bernardretutas.pamplona@flex.com>

Sent: Monday, 23 November, 2020 21:39

To: HuaZhen Luo <HuaZhen_Luo@waters.com>; Paul Deschenes <Paul_Deschenes@waters.com>

Cc: Vincent Lim <ChoonKhong.Lim@flex.com>; Chun Wei Kho <ChunWei.Kho@flex.com>; Joel Mamalateo Deduyo <joelmamalateo.deduyo@flex.com>; Edwin Koh <Edwin_Koh@waters.com>; Matt Brule <Matt_Brule@waters.com>

Subject: [EXT] RE: 210001344 ICT Program Change

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Hi HuaZhen,

Here are the summary of the changes:

- Changes of the Test software and hardware to fix the U79 programming issue.
 1. Remove the following fixture probes that caused the capacitance loading effect that made the programming unstable;
 - a. F464(_15N3884)
 - b. F467(_15N3907)
 - c. F468(_15N6659)
 2. R424, R456, & R425 resistance test are moved to cluster test with U73, U75, & U76 respectively.
 3. Modify the U73, U75, & U76 test program to cover R424, R456, & R425.
- ICT program modification for stability of Y1 and U3 tests;
 1. Y1 test change V=3.3 to V=3.0
 2. U3 clock set to 10us

For review and approval.

Regards,



Bernard Retutas Pamplona

Senior Test Engineer

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-

From: HuaZhen Luo <HuaZhen_Luo@waters.com>

Sent: Monday, November 23, 2020 4:59 PM

To: Bernard Retutas Pamplona <bernardretutas.pamplona@flex.com>; Paul Deschenes <Paul_Deschenes@waters.com>

Cc: Vincent Lim <ChoonKhong.Lim@flex.com>; Chun Wei Kho <ChunWei.Kho@flex.com>; Joel

Mamalateo Deduyo <joelmamalateo.deduyo@flex.com>; Edwin Koh <Edwin_Koh@waters.com>; Matt Brule <Matt_Brule@waters.com>

Subject: RE: 210001344 ICT Program Change

Hi Bernard,

Would you please summarize the investigation and proposed change to Paul for review and approval?
Please kindly send latest updated TPG file to Paul for review as well.

Thanks

Luo HuaZhen
Senior Test Engineer



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From: Bernard Retutas Pamplona <bernardretutas.pamplona@flex.com>

Sent: Friday, 20 November, 2020 09:39

To: HuaZhen Luo <HuaZhen_Luo@waters.com>; Paul Deschenes <Paul_Deschenes@waters.com>

Cc: Vincent Lim <ChoonKhong.Lim@flex.com>; Chun Wei Kho <ChunWei.Kho@flex.com>; Joel Mamalateo Deduyo <joelmamalateo.deduyo@flex.com>

Subject: [EXT] 210001344 ICT Program Change

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Hi HuaZhen/ Paul,

We encounter a high failure in ICT for model 210001344 a PCBA for 4194 and 4195 sub assembly. Yield is 70% to 80 % every lot.

High failure:

U79 Programming stage- cause= a capacitive load effect during programming stage.

Y1- intermittent failure

We did coordinate with supplier (PetraCarbon) and did a series of evaluation and finally supplier manage to dig in the cause and action. Please see attached for the recommendation and change details.

Please advise if we can go ahead for the change.

Regards,



Bernard Retutas Pamplona
Senior Test Engineer

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