

POST MORTEM

System Name : TMT01
Customer : ON Semiconductor – TARLAC
Participants : Henry Planada / Hectril Teodosio/Nico Lubo/Arnel Farro
Report Created by : Hectril Teodosio
Issue Reported by : Hectril Teodosio
Report Creation Date : 17.09.16

Problem / Issue(s):

Handler – Tester Communication Problem

17.09.05 (Arnel/Hectril)

- > Problem: No Communication between Handler/Tester
- > Problem: Cannot execute Manual Testing

Isolations:

- Replace Interface Cable – no response between Handler/Tester
- Swap Interface Cable from known good setup – same
- Swap workstation from known good setup – same
- Check pin to pin configuration base on communication pins config with recommendation with Sir Mark – no response
- Check SOT pin for 5vs – no measurement but measured 5v on EOT pins

17.09.14 – Workstation (CPU) Loaner from CARMONA for TMT1 unable to Boot UP (Arnel/Nico)

Isolations

- Install newly arrived loaner Workstation from CARMONA
- Unable to Boot up
- Re-insert board modules – same

17.09.15 – Handler-Tester Communication Problem / Workstation Loaner from Carmona (Henry/Hectril)

Isolations

- Load device program and manual test using Handler – no response.. unable to test
- Use Workstation from Carmona.. unable to boot up
- Check Power Supply of Workstation.. see powersupply is 220V. Setup is plug to 110 Electrical outlet

Problem: Workstation (CPU) Loaner from CARMONA for TMT1 unable to Boot UP

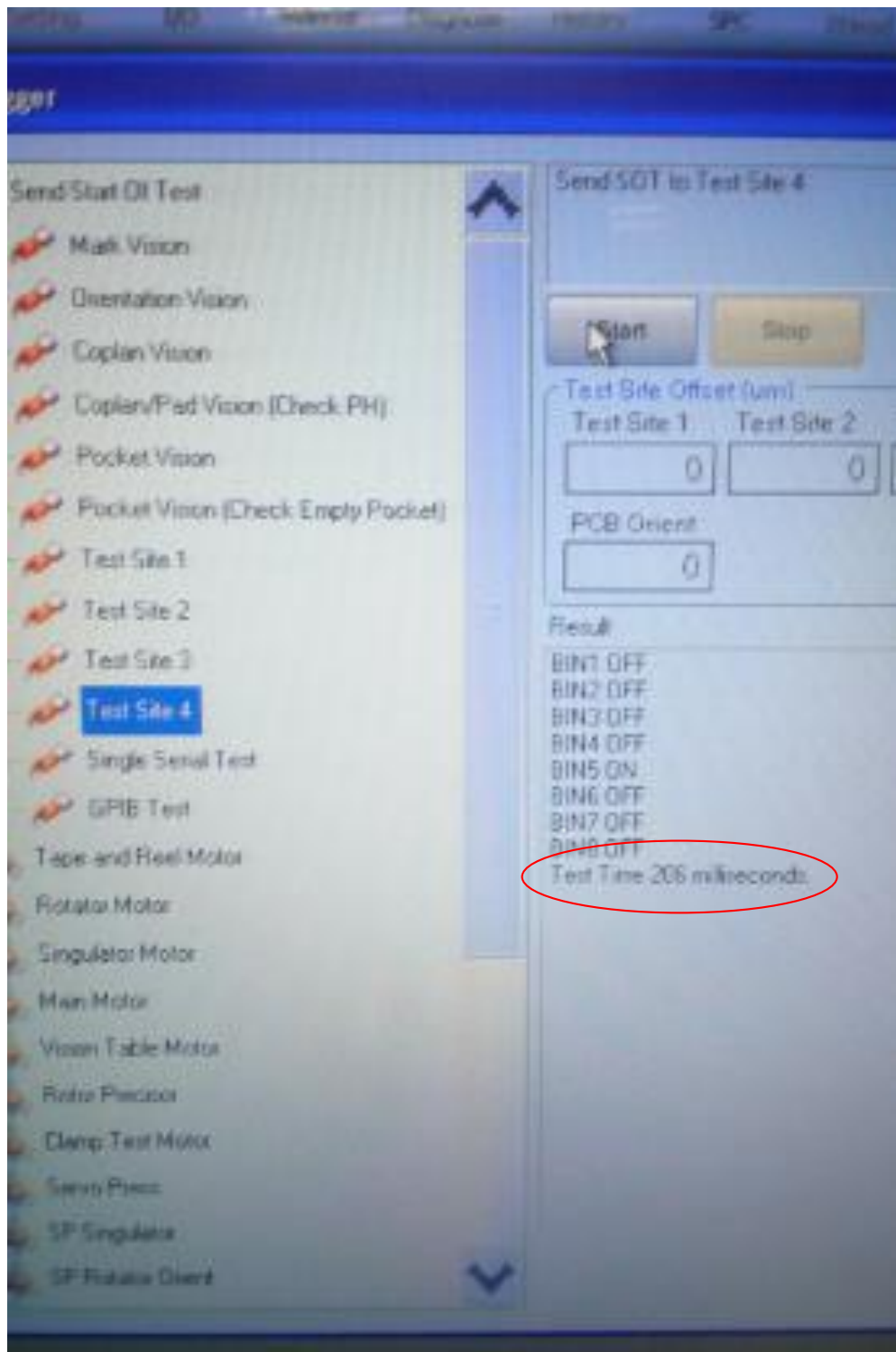
RootCause: Low Electrical Voltage causing CPU unable to Boot UP

Problem: Handler – Tester Communication Problem

Isolations:

- Use original Workstation
- Check Interface cable and use DMM and check for Pin to Ground – ok
- Connect Interface cable and reload program – no communication on Handler/Tester
- Run Simulation using Handler Config – encounter system crash during simulation
- Re-install VISUAL ATE SOFTWARE c/o Sir Henry – Ok
- Perform simulation – no system crash during this activity. Handler and Tester able to communicate

RootCause: Corrupted VISUAL ATE SOFTWARE



- Use reject units for verification – confirm Handler/Tester able to communicate
- Release for Setup and Production

17.09.15

15-Sep-2017 20:28	NS	XFN_TST_TMT001	ASL1000	XFN-HDL-SRM008	Z248	RUNNING PRODUCTION	PRODUCTION	M1-Operational	467	1410010-TRME-ASSY	BEUBG330009H	849.08	4	4	0	0	Myles Eliazar Lacs on
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17.09.16

16-Sep-2017 13:38	XFN_TST_TMT001	XFN-HDL-SRM008	1410010-TRME-E-ASSY	XFN	BEUBG330009H	25	25	4	4	3.9	0.34	RUNNING PRODUCTION	PRODUCTION	.28	1ST REEL FOR BY OFF_ (ENCOUNTER POOR SEALING)	Liezal Cunanan	Select
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