



One Venture Infinite Possibilities

Monthly Technical Review – 19 March 2020

Agenda



1. Review of last MTR minutes & action items
2. First Pass Yield
 - Overall Results & individual instrument results
 - Instrument > targets (does not meet Waters targets or having downtrend)
 - Categories failure mode into material, tooling, fixtures, testers, workmanship, others
 - Improvement actions & effectiveness
3. Manufacturing readiness
 - Training review and competencies updates
 - Tooling & Fixtures updates
 - Testers updates
 - Documentation (ASP, TSP updates)
4. Quality (trending, analysis of issues (repeated case), updates / actions taken)
 - Suppliers
 - LAR
 - SCAR
 - Audit schedules, audit results, findings and closure
 - In Process
 - NCR
 - CAPA
 - Quality alerts
 - Customers & field complaints
 - QMS updates
5. Others
 - ECO, TMD
 - AOB

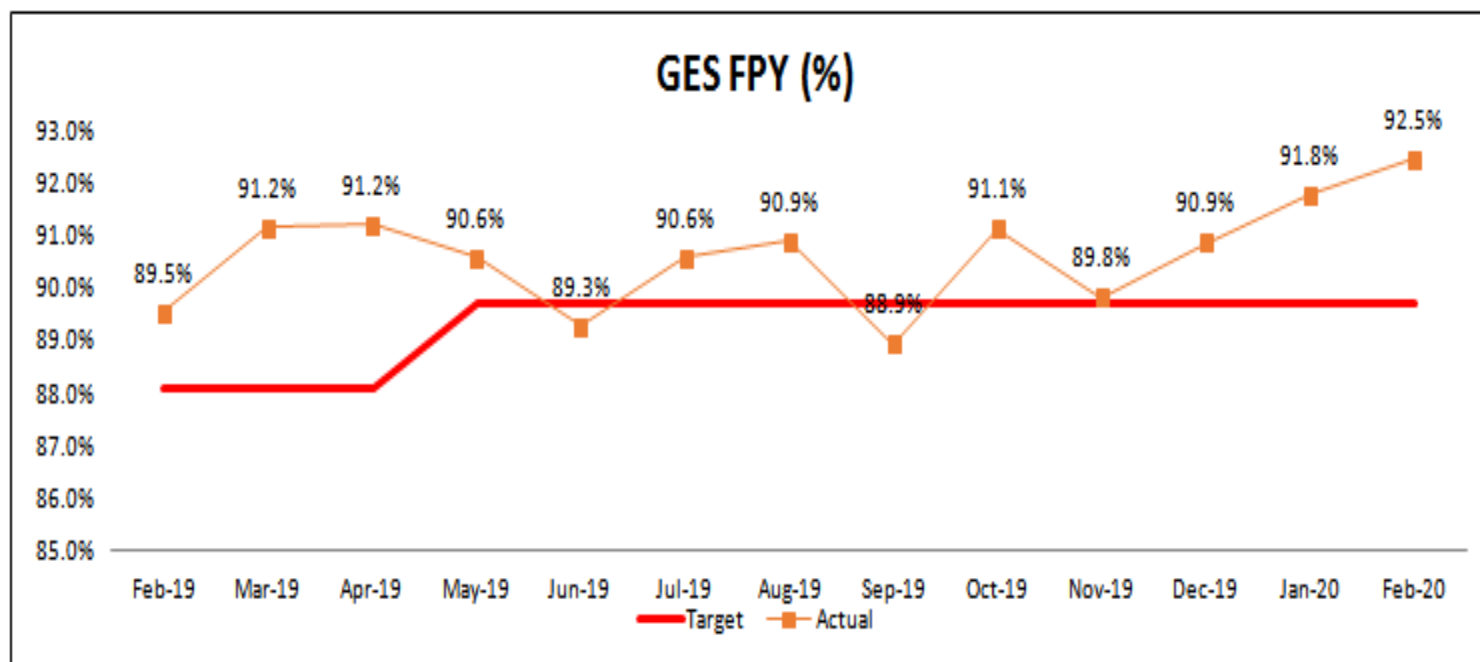
Review Of Last MTR Minutes



Action Items from Previous Meeting

Description	Responsible	Due Date
First Pass Yield (Detector): Review the data for the Signal to Noise Ratio and check if the units were tested earlier/before heat up. 18-Apr-19: Milford logged to tester but failures cannot be reproduced. Overall the Signal to Noise values look good and with no downward trend. Also, discuss on how to capture the failure data with Test Engr'g. <u>Updated summary:</u> Waters Milford request to send over Optic Bench Part 279003225 for test evaluation and provided the details of the request under TMD010787 v00, awaiting PO to build 5pcs and tentative to ship Apr'20.	WPPL/GES-ENG HuaZhen/MiMi	Q2'20
First Pass Yield (Column Manager): Heater/Cooler Issue for Column Manager with test result as retested as PASSED. Condition: If temperature is above 20deg C for heater cooler 1, UUT is good to test but for Heater Cooler 2 though the temperature is above 20degC under console, the unit FAILs. But after retest – PASS The failure mode is a known issue on CM-Aux (5049, 5039) and Classic CM (5007, 5008 and 5009) <u>Updated Summary:</u> Under discussion with Engineering team from Venture and Waters to possibly redesign the test application.	WPPL/GES-ENG HuaZhen/Chan	Q2'20
NCR-SG200301 Further investigation for 5pcs 5225 - z-axis homing error (linked to NCR-SG200104) <u>Updated summary:</u> Test evaluation and assessment already completed. NCR report shared on 11Mar2020 for disposition approval prior rework to commence.	GES Sheena/Lwin/HC	01Jun'20
NCR-SG200105 (201000131 2475 Lamp Assy) & NCR-SG200106 (700005226 Seal Wash Assy): <u>Updated summary:</u> Both report provided 10Mar2020 for disposition approval to propose SCRAP.	GES Martin/Dette Lwin/MiMi/HC	14Apr'20
PIM Report (Field data related to the Metering Syringe Valve failures): <u>Updated summary:</u> Both Waters and Venture shared field data and failures related to MSV. Ongoing discussion with supplier MK fluidics for the syringe failures and test parameters.	GES Suzhen/Lwin	Q2'20

GES		
Period	Target	Actual
Feb-19	88.1%	89.5%
Mar-19	88.1%	91.2%
Apr-19	88.1%	91.2%
May-19	89.7%	90.6%
Jun-19	89.7%	89.3%
Jul-19	89.7%	90.6%
Aug-19	89.7%	90.9%
Sep-19	89.7%	88.9%
Oct-19	89.7%	91.1%
Nov-19	89.7%	89.8%
Dec-19	89.7%	90.9%
Jan-20	89.7%	91.8%
Feb-20	89.7%	92.5%



Failures related to verification, evaluation and testers in Feb 2020

Failures	BSM	QSM	FTN	Detector	CM	Col Htr	Remark
Parts verification 2 nd reject	0	0	0	0	0	0	NA
Debugging/ Evaluation	0	0	0	0	0	0	NA
Tester	0	0	0	0	0	0	NA



Data Analysis

First Pass Yield (FPY) – Data Tabulation By Instruments in month February 2020

Material Number	Instrument Description	Product Group	New Target Yr 2020	Jan-20	Feb-20	Total Units Tested	Total Units Passed	Total Units Not Passed	Total Units Adjusted Passed	Total Units Change Component
186001863	ALLIANCE COLUMN HEATER	Column Heater	100%	NP	NP	0	0	0	0	0
186001791	ALLIANCE COLUMN HEATER/COOLER	Column Heater	100%	NP	NP	0	0	0	0	0
186001500	BREEZE COLUMN HEATER	Column Heater	100%	NP	NP	0	0	0	0	0
186015011	ACQUITY UPLC 30cm COL HT	Column Heater	100%	100.0%	100.0%	40	40	0	0	0
186186301	ALLIANCE Column Heater (Blue)	Column Heater	100%	99.2%	100.0%	188	188	0	0	0
186179100	ALLIANCE Column Heater Cooler (Blue)	Column Heater	100%	100.0%	100.0%	209	209	0	0	0
186017008	ACQUITY ARC 30cm Column Heater	ARC Column Heater	100%	100.0%	NP	0	0	0	0	0
186017009	ACQUITY ARC 30cm Column Heater/Cooler	ARC Column Heater	100%	100.0%	100.0%	48	48	0	0	0
186015010	ACQUITY HTCH	Column Heater	90%	100.0%	100.0%	5	5	0	0	0
186015042	ACQUITY HTCH-A	Column Heater	98%	97.1%	98.5%	200	197	3	3	0
186015007	ACQUITY UPLC Column Mgr-Right Inlet	Column Manager	87%	NP	100.0%	3	3	0	0	0
186015008	ACQUITY UPLC Column Htr/Clr	Column Manager	100%	NP	NP	0	0	0	0	0
186015009	ACQUITY UPLC Column Mgr-Left Inlet	Column Manager	100%	NP	NP	0	0	0	0	0
186015043	ACQUITY UPLC CM-A	Column Manager	86%	88.9%	89.0%	109	97	12	10	2
186015049	ACQUITY UPLC CM-AUX	Column Manager	90%	87.5%	100.0%	5	5	0	0	0

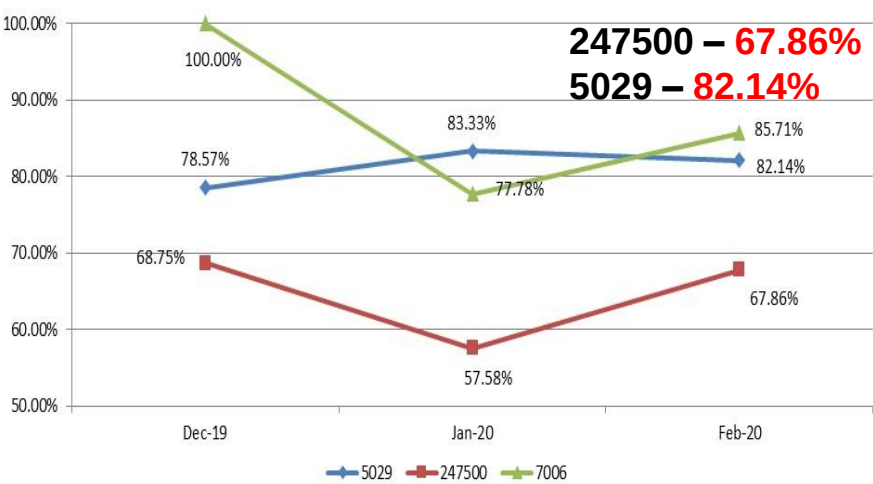
Data Analysis

First Pass Yield (FPY) – Data Tabulation By Instruments in month February 2020

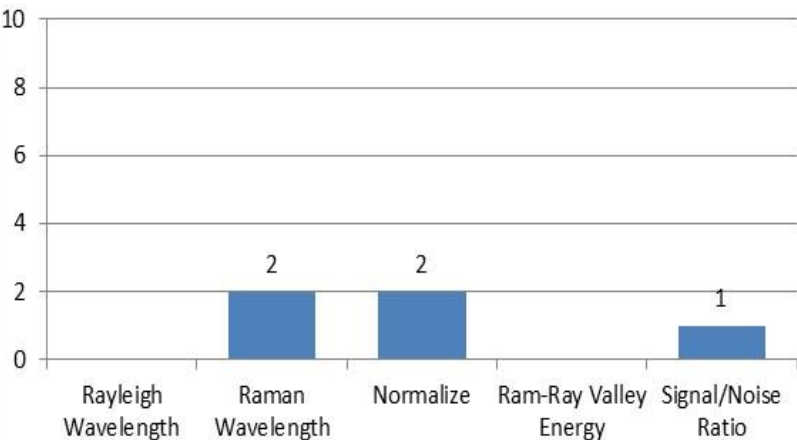
Material Number	Instrument Description	Product Group	New Target Yr 2020	Jan-20	Feb-20	Total Units Tested	Total Units Passed	Total Units Not Passed	Total Units Adjusted Passed	Total Units Change Component
186015045	ACQUITY UPLC CH-30A	Column Manager	99%	100.0%	NP	0	0	0	0	0
186015038	ACQUITY ACTIVE COLUMN MANAGER	Column Manager	93%	NP	NP	0	0	0	0	0
186015039	ACQUITY AUXILIARY COLUMN MANAGER	Column Manager	100%	NP	100.0%	2	2	0	0	0
186002475	ALLIANCE 2475 MULTICHANNEL FLR DETECTOR	Detector	83%	NP	NP	0	0	0	0	0
186015029	ACQUITY UPLC FLR DETECTOR	Detector	86%	83.3%	82.1%	28	23	5	5	0
186247500	ACQUITY 2475 FLR Detector Blue	Detector	78%	57.6%	67.9%	28	19	9	8	1
186017006	ACQUITY ARC Detector	ARC Detector	84%	77.8%	85.7%	14	12	2	2	0
186017000	ACQUITY ARC QSM	ARC QSM	55%	70.7%	60.0%	20	12	8	5	3
186015088	ACQUITY I-Class FTN Plus	FTN PLUS	68%	72.7%	92.6%	54	50	4	4	0
186015085	ACQUITY H-Class FTN Plus	FTN PLUS	71%	79.8%	81.6%	174	142	32	22	10
186015082	ACQUITY UPLC I-Class BSM Plus	BSM PLUS	58%	56.5%	66.1%	109	72	37	22	15
186017014	ACQUITY ARC BIO 30CM COLUMN HEATER	Column Heater	100%	NP	NP	0	0	0	0	0
186017015	ACQUITY ARC BIO 30CM COLUMN HEATER/COOLER	Column Heater	100%	NP	NP	0	0	0	0	0

First Pass Yield Discussion on Detector - 186015029, 186247500, 186017006

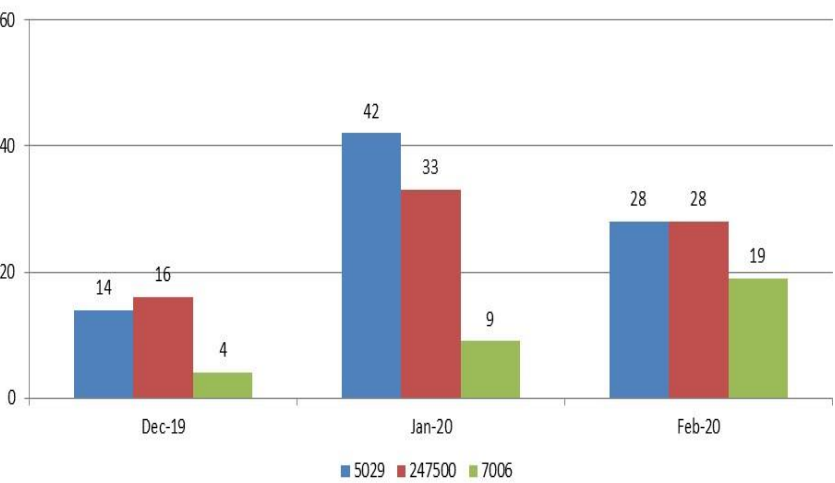
FPY for 186002475,186015029,186247500,186017006



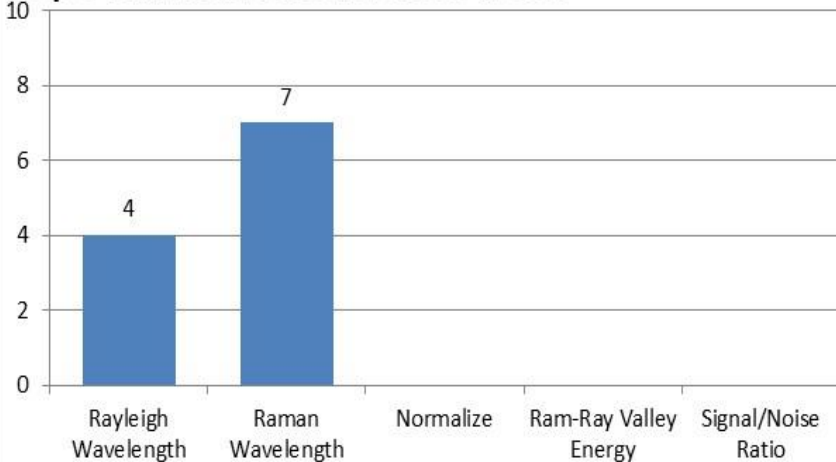
Top 5 Failure Modes for 186015029



Total Tested Units by Models-Detectors



Top 5 Failure Modes for 186247500

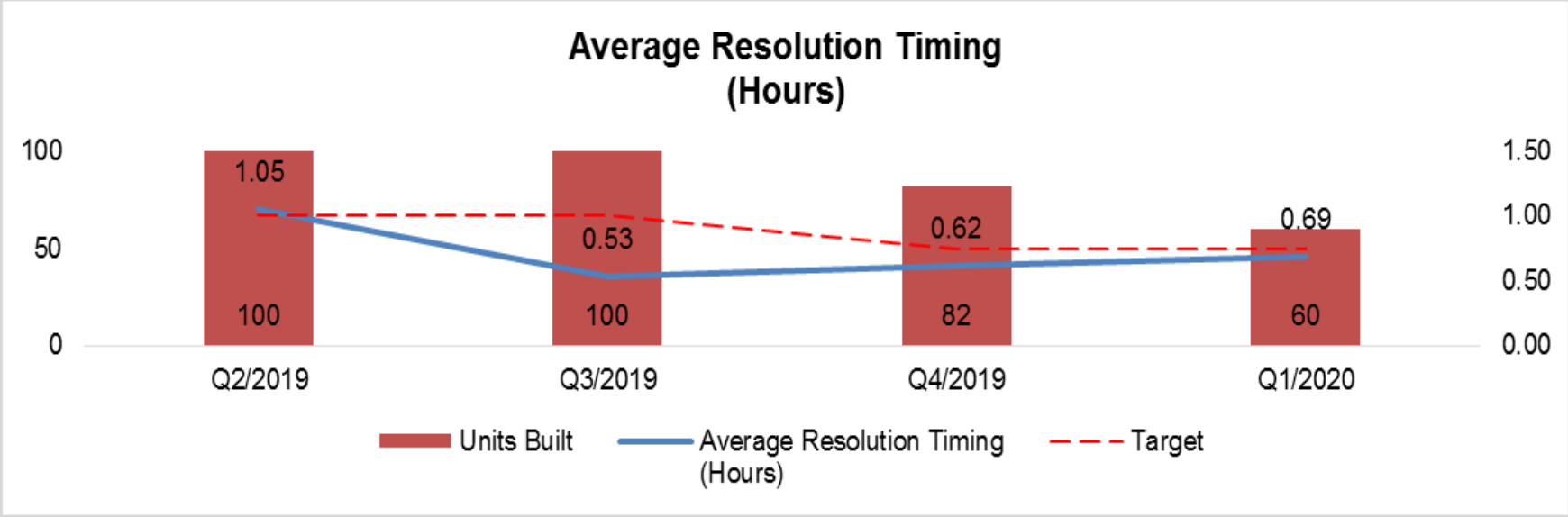


First Pass Yield Discussion on Detector - 186015029, 186247500, 186017006

Instrument No.	Investigation/ Possible Root Cause	Action Plan/Corrective Action/Improvement	Status
186015029	1) Raman/Rayleigh Wavelength – x2 (2/28=7.14%) Action : Retest – x2 Possible root cause : Flow cell matching issues or Longer purging time needed for some flow cell 2) Normalize- x2 (2/28=7.14%) Action : Retest– x1, Retest Optics Bench– x1 Possible root cause : filter initialization error, backlash too high during initialization stage, retest and passed 3) Signal Noise- x1 (1/28=3.57%) Action : Retest –x1 Possible root cause : Electrical or communication issues during first test	Short / Long Term : ▪ To evaluate the new tester from Milford Engineering which is tuned to countermeasure matching issue (Flow cell & Mirrors), SNR failures. ▪ Target date: Q2'20.	Open, keep monitoring PIC : MiMi
186247500	Raman/Rayleigh Wavelength – x11 (11/28=39.2%) Action : Retest –5 x, Changed Flow cell– 4 Retest Optics Bench– x2 Possible root cause : Flow cell matching issues or Longer purging time needed for some flow cell		

Data Analysis

Mass Spec (QDa) – Overall Resolution/Rework Timing



Quarter /Year	Average Resolution Timing (Hours)	Units Built	Target
Q2/2019	1.05	100	1
Q3/2019	0.53	100	1
Q4/2019	0.62	82	0.75
Q1/2020	0.69	60	0.75

Remarks:
Feb'20: Meet the Average Resolution/Rework Timing of 0.69hrs and issues related to Detector Housing due to Analyser Helium Leak test and Turbo Pump unstable Pump Power.



Instrument No.	Investigation/ Possible Root Cause	Action Plan/Corrective Action/Improvement	Status																																			
186008511	Part No. 205001764 (289008825) DETECTOR HOUSING ASSEMBLY Issue: Failed Analyser Helium Leak Test on 14pins Headamp PCBA is supplied by TT Electronics Actions: Returned 6pcs to Wexford and received on 09March2020. Possible root cause: Ongoing discussion for RCA <table><tr><th>Detector Housing Serial No.</th><th>Remarks</th><th>Leak Rate Data</th><th>Waters QR #</th><th>RMA#</th></tr><tr><td>3-05-4137</td><td>Failed Helium Leak test on 14 pins.</td><td>3.7x10⁻⁶</td><td>QR 2472827</td><td>60458584</td></tr><tr><td>3-05-4482</td><td>Failed Helium Leak test on 14 pins.</td><td>1.6x10⁻⁶</td><td>QR 2472827</td><td>60458584</td></tr><tr><td>3-05-4454</td><td>Failed Helium Leak test on 14 pins.</td><td>1.2x10⁻⁶</td><td>QR 2472827</td><td>60458584</td></tr><tr><td>3-05-4444</td><td>Failed Helium Leak test on 14 pins.</td><td>8.1x10⁻⁷</td><td>QR 2472827</td><td>60458584</td></tr><tr><td>3-05-4431</td><td>Failed Helium Leak test on 14 pins</td><td>9.7x10⁻⁷</td><td>QR 2472827</td><td>60458584</td></tr><tr><td>3-05-4505</td><td>Failed Helium Leak test on 14 pins</td><td>5.9x10⁻⁵</td><td>QR 2472827</td><td>60458584</td></tr></table>	Detector Housing Serial No.	Remarks	Leak Rate Data	Waters QR #	RMA#	3-05-4137	Failed Helium Leak test on 14 pins.	3.7x10 ⁻⁶	QR 2472827	60458584	3-05-4482	Failed Helium Leak test on 14 pins.	1.6x10 ⁻⁶	QR 2472827	60458584	3-05-4454	Failed Helium Leak test on 14 pins.	1.2x10 ⁻⁶	QR 2472827	60458584	3-05-4444	Failed Helium Leak test on 14 pins.	8.1x10 ⁻⁷	QR 2472827	60458584	3-05-4431	Failed Helium Leak test on 14 pins	9.7x10 ⁻⁷	QR 2472827	60458584	3-05-4505	Failed Helium Leak test on 14 pins	5.9x10 ⁻⁵	QR 2472827	60458584	- Monitoring affected DHA during leak test by checking for any pinholes, provide leak rate data and feedback to Waters. - Changes to the inspection /leak testing process of the solder joints for the Headamp PCBA is ongoing at supplier and awaiting for improve lot to receive in Wexford.	Open
	Detector Housing Serial No.	Remarks	Leak Rate Data	Waters QR #	RMA#																																	
3-05-4137	Failed Helium Leak test on 14 pins.	3.7x10 ⁻⁶	QR 2472827	60458584																																		
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	Part No. 410004201 (SPLIT FLOW 80 TURBO PUMP) Issue: Unstable and High Pump Power supplied by Pfeiffer Actions: Similar case was detected for Mantis Project at Wilmslow and total of 4 pumps (1-UK and 3-SG) was shipped to Germany HQ for analysis. Possible root cause: Ongoing discussion for RCA	Continue to monitor affected Turbo Pumps for similar cases, re-verify on a second unit and awaiting final disposition.																																				

Manufacturing Readiness

Tester Updates



Dashboard Tracker 2020												
Criticality	JAN		FEB		MAR		APR		MAY		JUN	
	Total Tester	Tester Down	Total Tester	Tester Down	Total Tester	Tester Down	Total Tester	Tester Down	Total Tester	Tester Down	Total Tester	Tester Down
1	16	0	16	0								
2	30	0	30	1								
3	13	0	13	0								
Total:	59	0	59	1								

Criticality	JUL		AUG		SEP		OCT		NOV		DEC	
	Total Tester	Tester Down	Total Tester	Tester Down	Total Tester	Tester Down	Total Tester	Tester Down	Total Tester	Tester Down	Total Tester	Tester Down
1												
2												
3												
Total:												

Remarks:

Feb'20: FTN tester TE83064-15 down from 14Feb'20 to 24Feb'20 due to Leakage at iBSM system. Leakage found at both pump A (primary) and pump B (accumulator). Parts replaced are seal, vent valve, seal wash housing and pump head.

Criticality
1 = standard tester
2 = multiple tester but will affect output when down
3 = unique tester

Quality - Suppliers

Key Suppliers (Top 10) Monthly Overall Quality Performance – LAR (running 12 months)

No	Supplier	Commodity	LAR Target	2019										2020	
				Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb
1	ACHB	MACHINING	99.80%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
2	B and E	MACHINING	99.80%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
3	A & ONE	MACHINING	99.80%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
4	SHENZHEN BAITENG	METAL	99.80%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
5	TREND	METAL	99.80%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
6	TECHNIMETAL	METAL	99.80%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
7	FU YU	PLASTIC	99.80%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
8	CEI	PCBA	99.80%	100%	96.29%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
9	DYNISCO	TRANSDUCE R	99.80%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
10	WARNER POWER	POWER SUPPLY	99.80%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%

Remarks: All Suppliers meet the LAR for the month of Feb'20.

 Not meeting target

Quality - Suppliers

Key Suppliers (Top 10) Monthly Overall Quality Performance – Acceptance Rate

				2019										2020	
S/N	Supplier	Commodity	Target	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb
1	ACHB	MACHINING	99.82%	100.00%	99.98%	99.98%	99.98%	99.98%	100.00%	100.0%	99.98%	100.00%	100.00%	99.99%	100.00%
2	B and E	MACHINING	99.82%	99.88%	100.00%	100.00%	100.00%	100.00%	99.98%	100.00%	100.00%	99.98%	100.00%	100.00%	100.00%
3	A & ONE	MACHINING	99.82%	96.83%	98.03%	98.89%	96.34%	91.89%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%
4	SHENZHEN BAITENG	METAL	99.82%	99.88%	99.97%	99.96%	99.89%	99.93%	99.93%	99.89%	99.97%	99.99%	99.99%	99.96%	99.98%
5	TREND	METAL	99.82%	99.93%	99.86%	99.95%	99.91%	99.92%	99.93%	99.91%	99.86%	99.95%	99.92%	99.91%	99.95%
6	TECHNIMETAL	METAL	99.82%	100.00%	99.95%	100.00%	99.97%	100.00%	100.00%	99.94%	100.00%	100.00%	99.93%	100.00%	99.93%
7	FU YU	PLASTIC	99.82%	99.88%	99.93%	99.91%	99.86%	99.93%	99.95%	99.90%	99.85%	99.94%	100.00%	99.90%	99.82%
8	CEI	PCBA	99.70%	99.52%	98.89%	100.00%	99.82%	99.89%	99.95%	99.94%	99.89%	99.94%	99.93%	99.58%	99.39%
9	DYNISCO	TRANSDUCER	99.50%	99.78%	99.55%	99.39%	99.47%	99.71%	100.00%	99.88%	100.00%	99.83%	100.00%	99.66%	99.81%
10	WARNER POWER	POWER SUPPLY	99.80%	100.00%	98.70%	100.00%	99.15%	97.71%	100.00%	98.86%	96.97%	100.00%	100.00%	100.00%	98.55%

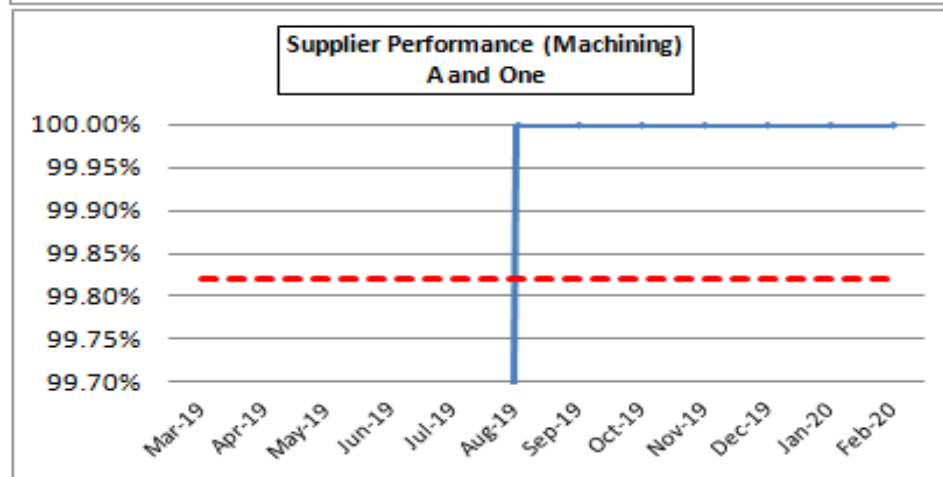
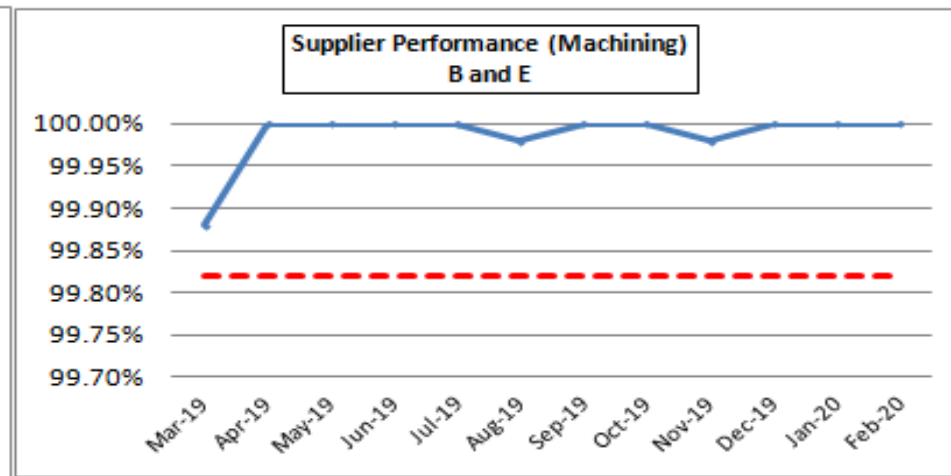
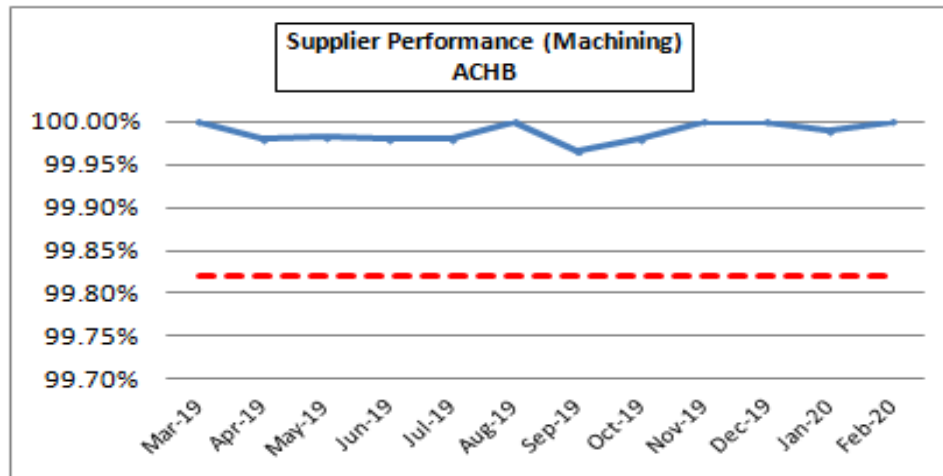
Remarks: Suppliers meet the Acceptance Rate for the month of Feb'20 except CEI and Warner Power.

Not meeting target



Quality - Suppliers

New Key Suppliers (Top 10) Monthly Overall Quality Performance – Acceptance Rate (running 12 months)

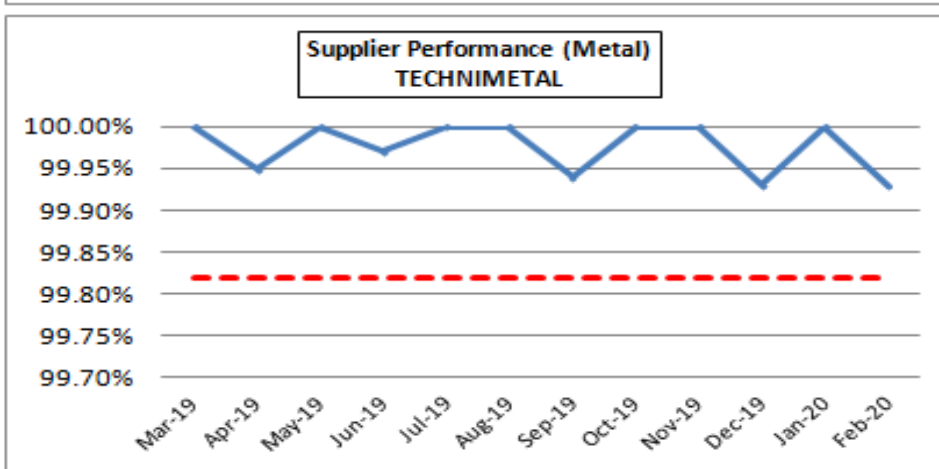
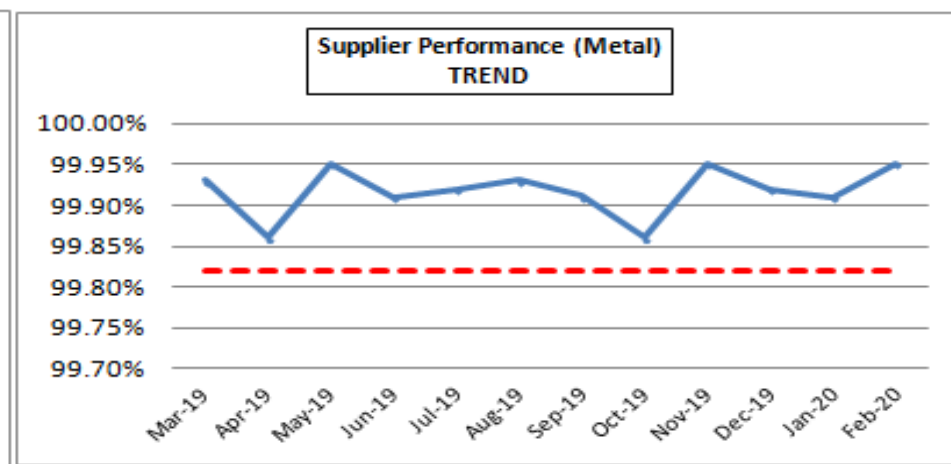
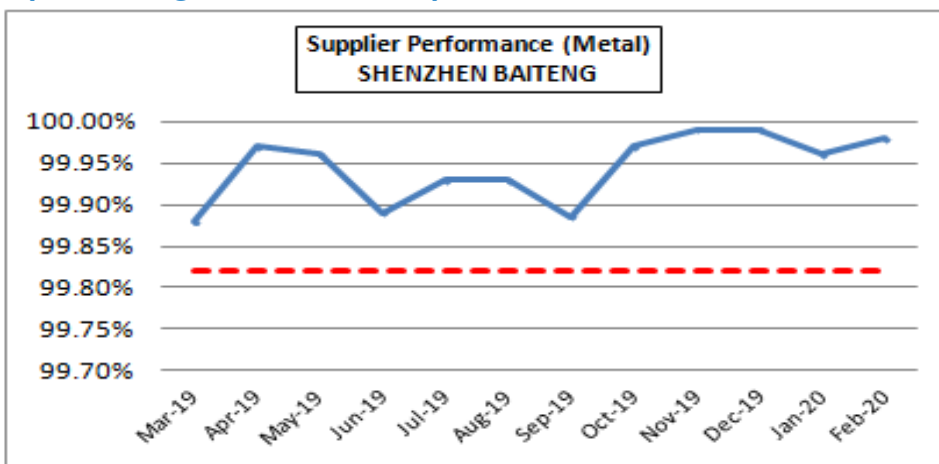


Remarks:

Above suppliers (ACHB, B&E and A&One) meet the target acceptance rate in month of Feb'20.

Quality - Suppliers

New Key Suppliers (Top 10) Monthly Overall Quality Performance – Acceptance Rate (running 12 months)

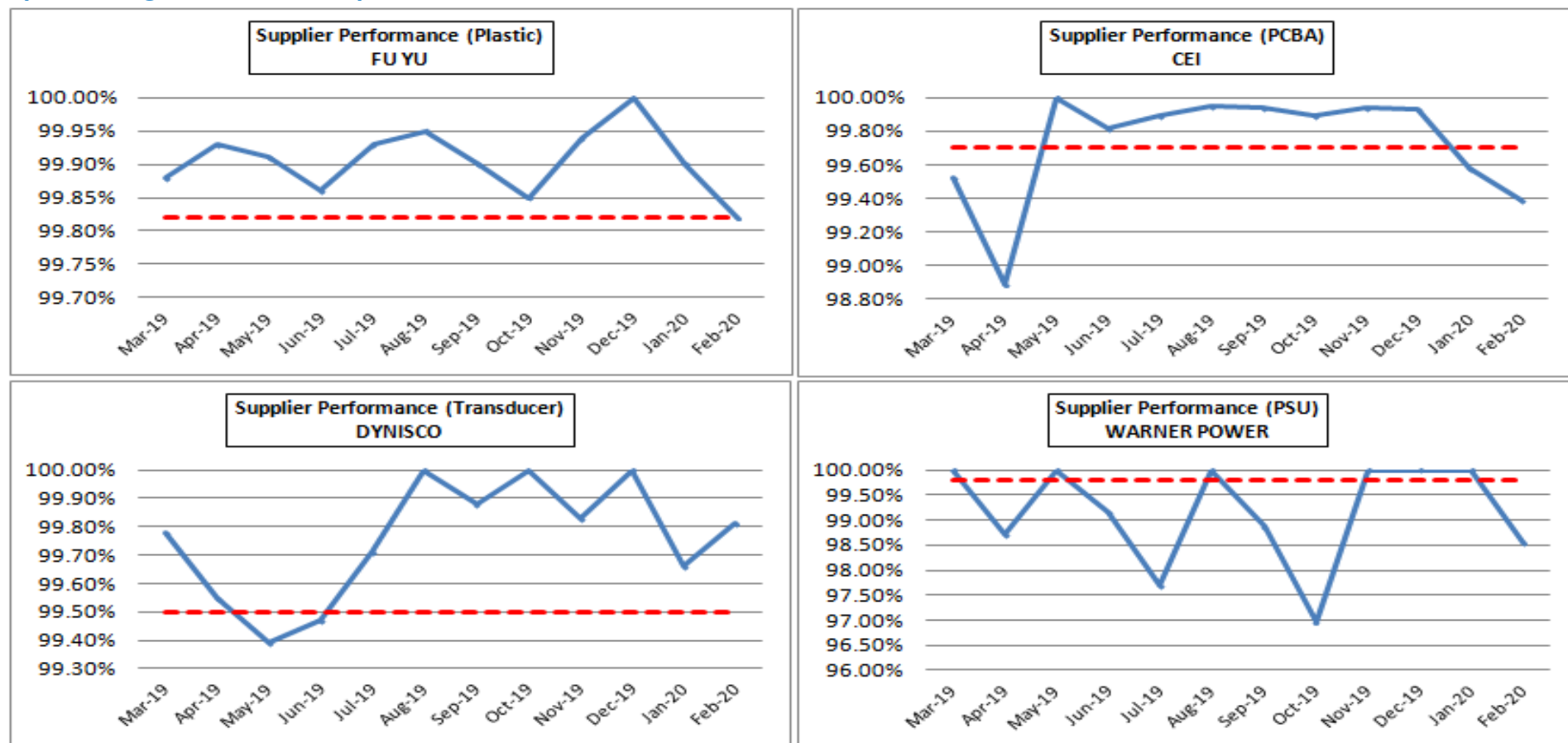


Remarks:

Above suppliers (Shenzhen Baiteng, Trend and Technimetal) meet the target acceptance rate in month of Feb'20.

Quality - Suppliers

New Key Suppliers (Top 10) Monthly Overall Quality Performance – Acceptance Rate (running 12 months)



Remarks:

Suppliers (FuYu and Dynisco) meet the target acceptance rate in month of Feb'20 except CEI and Warner Power. Failures/issues under supplier CEI will be discussed separately under Tripartite meeting.

Data Analysis

Key Suppliers Performance – Warner Power (Used in Detector)



Supplier	Failure Mode / Issue	Action Plan	Person-In-Charge	Target Date	Status
Warner Power	Part No: W1279001352/D-R Description: POWER SUPPLY MERCURY XENON LAMP 150 W Reject QTY: 1pc Serial No: 106347LF Failure: Lamp on instrument light up upon power up. Compare to good unit the lamp will only light up after few minutes upon power up. Root Cause: PCB open trace from U1 pin 5 to C28.	<u>GES:</u> 1. The failed unit was returned to supplier for failure analysis. 2. RMA#: RA-11446 and part was shipped to supplier on 06Mar'20. <u>Warner Power:</u> 1. Unit was found that the PCB trace open from U1 pin 5 to C28. 2. It is beyond repair. A new PSU with S/N 106222LF was replaced.	Wang Min	31Mar'20	Closed

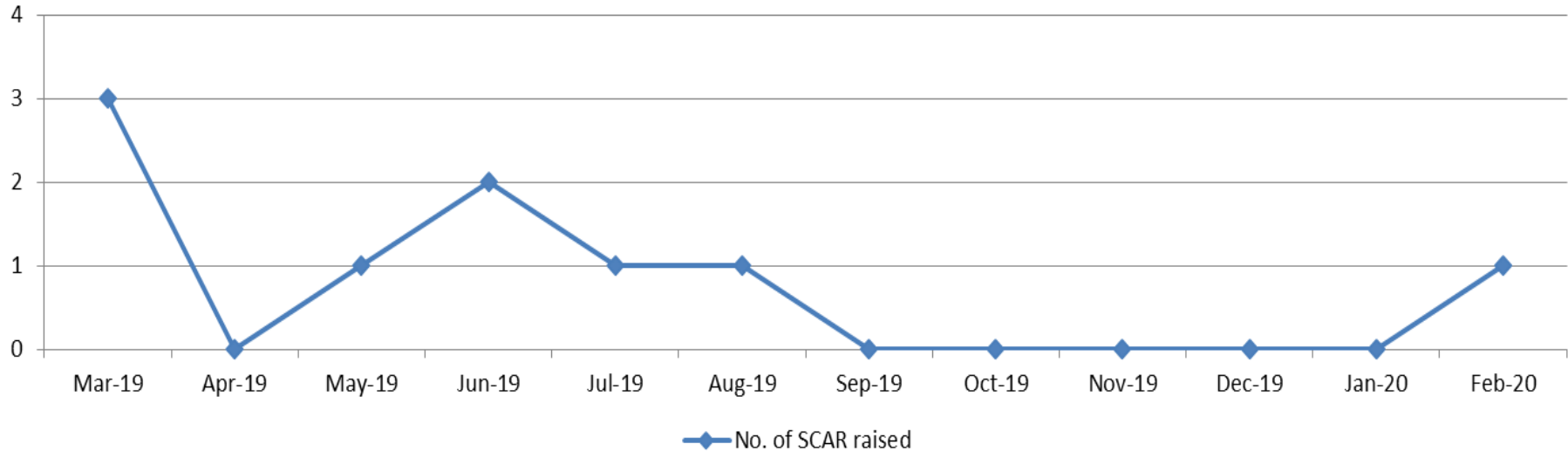


SCAR UPDATE

Quality - Suppliers

Key Suppliers (Top 10) Monthly Overall Quality Performance – SCAR
(running 12 months)

No. of SCAR raised



	Mar-19	Apr-19	May-19	Jun-19	Jul-19	Aug-19	Sep-19	Oct-19	Nov-19	Dec-19	Jan-20	Feb-20
NCR	3	0	1	2	1	1	0	0	0	0	0	1
Status	Closed	NA	Closed	Closed	Closed	Closed	NA	NA	NA	NA	NA	Open

Remarks:

1 SCAR issued for Feb'20.

Data Analysis

Key Suppliers Performance – Federal Electronics (Used in Detector)

Supplier	Failure Mode / Issue	Action Plan	Person-In-Charge	Target Date	Status
FEDERAL ELETRONICS	Part No: W1441000390-R Description: ASSY CABLE HV ANODE PLUG QTY: 225pcs Reject Rate: 100% Where Detected: Incoming inspection Non-Conformance: Additional Label Root Cause: The electric test program was incorrectly modified as a result of an improvement project to add an instruction to print a label out that was not apply to Waters parts. 	GES: 1. Returned all affected parts to Federal for rework and retest. 2. SCAR-2000002 was issued to Federal. FEDERAL: Containment Actions: All Waters PN on stock were contained and rescreened. Two parts having the sample problem had been corrected. Corrective Actions: 1. Inform the QC inspectors about the restriction for the electric test label printing that applies to only some customer. Issue a training record. 2. Place a visual aid in the mfg. areas of Mexico/Mexico2 specifying what customers should not be added an electric test label once the test is completed. 3. Verify if the printer is capable of stop printing labels and continue testing and the printer does not restart the labels after it is turned off. 4. Based on the list of Waters Part numbers, the electric test program will be updated so they print electric test labels only for those Part Numbers. Preventive Action: Develop and implement a procedure that specifies the steps that should be followed to implement an project that is carried out, including the communication, review and approvals.	Wang Min	20Mar'20	Closed (Pending 3 lots monitoring)



Supplier Audit 2020											
Jan-20		Feb-20		Mar-20		Apr-20		May-20		Jun-20	
Plan	Actual	Plan	Actual	Plan	Actual	Plan	Actual	Plan	Actual	Plan	Actual
				YKM Engineering				Globaltron-PLC			

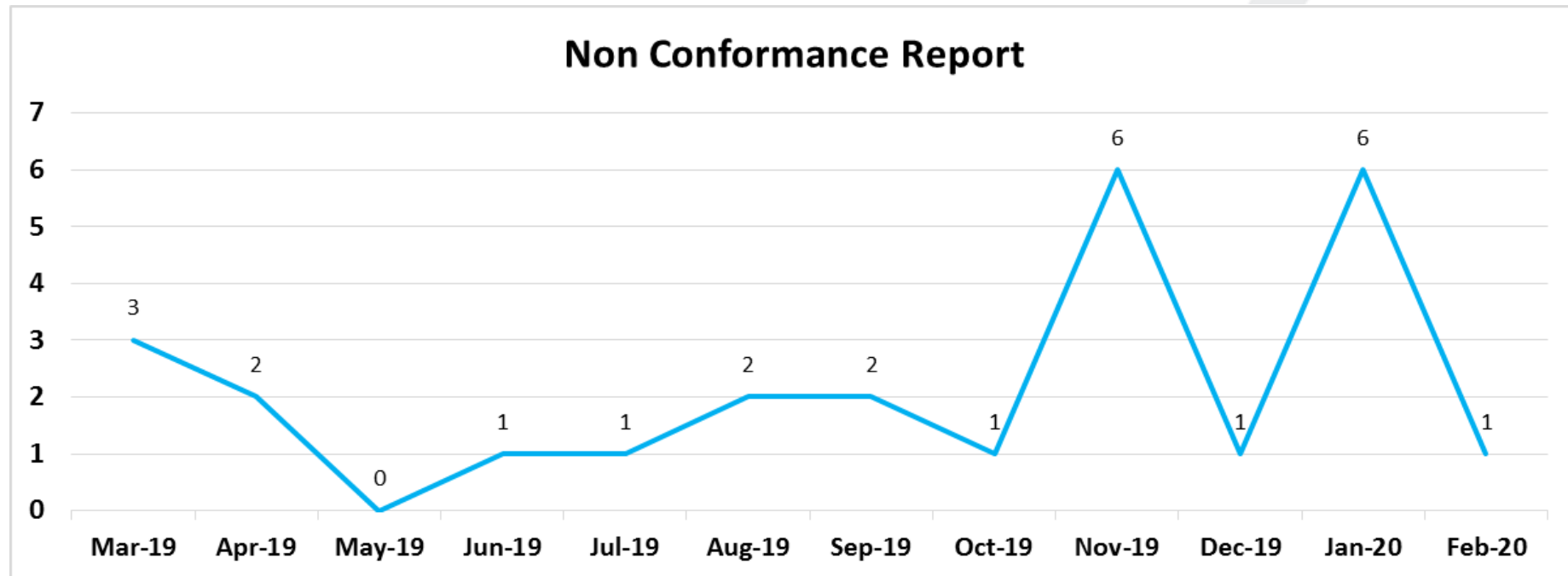
Jul-20		Aug-20		Sep-20		Oct-20		Nov-20		Dec-20	
Plan	Actual	Plan	Actual	Plan	Actual	Plan	Actual	Plan	Actual	Plan	Actual
Zephyr Silkscreen											

Remarks:

Globaltron is recommended for on site audit for Year 2020.
YKM and Zephyr is recommend for self – assessment for Year 2020.

Quality Issues

Non Conformance Report (NCR) (running 12 months)



	Mar-19	Apr-19	May-19	Jun-19	Jul-19	Aug-19	Sep-19	Oct-19	Nov-19	Dec-19	Jan-20	Feb-20
NCR	3	2	0	1	1	2	2	1	6	1	6	1
Status	Closed	Closed	NA	Closed	Closed	Open	Closed	Closed	For closure	Closed	Open	Open

Remarks:

Nov'19: 3 NC findings during Surveillance Audit to close within WW12.

Jan'20: Received 6 NCR Report and 3 consider closed. Open actions items are reflected on slide #3.

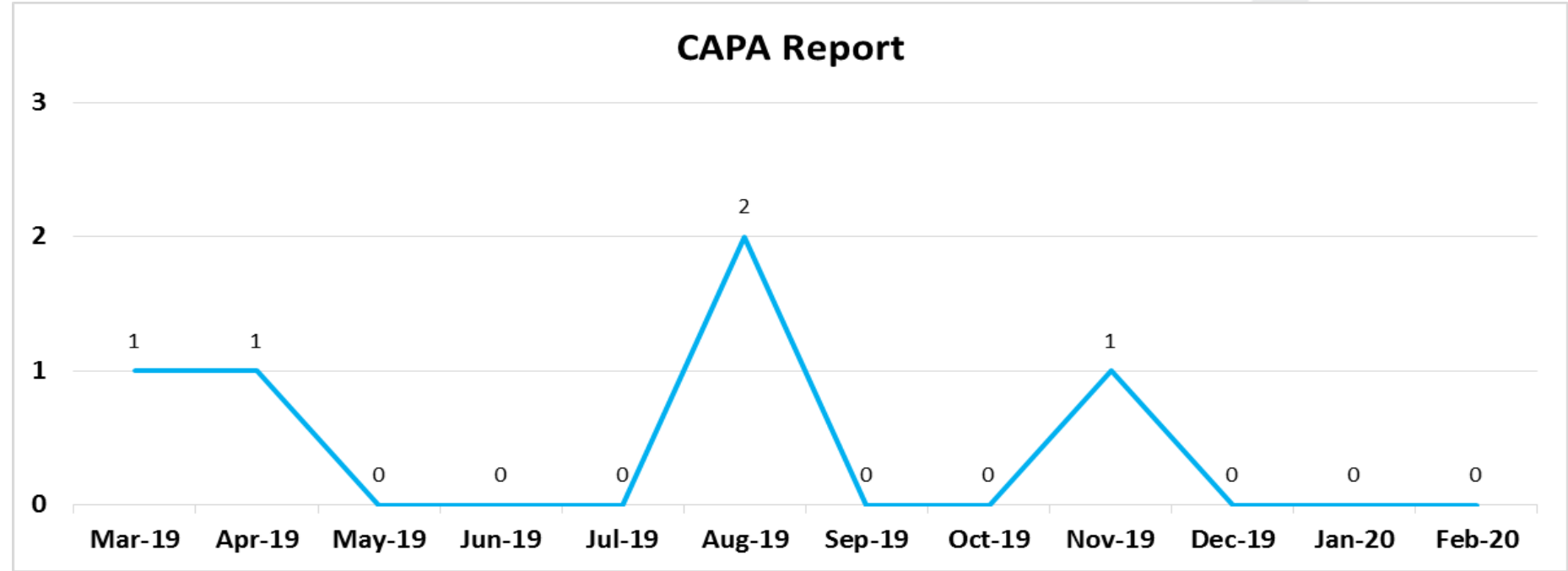
Feb'20: Issued 1 NCR Report and details on next slide.

Feb'20: Item is damaged due to mishandling by Schenker personnel during picking. Item is hit by the fork of a reach truck.

Reject/ Feedback/Complaint	Root Cause	Action Plan : Analysis/Containment /Corrective/Preventive	Owner	Target Date for Closure	Status
Unit built by Venture was returned to redo re-inspection, retest and repacking only. Issued: NCR-SG200204 PN/ Description: 186015042 / ACQUITY UPLC CH-A Serial No: K19CHA391G Qty: 1 	Not applicable	1. Issued Rework Work Order No. WATSRWKRM045 and TMPCN No. W1-20-0007 for re-inspection, retest and repacking only. Closed 2. Reviewed DHR of Serial No. K19CHA391G with no issue both functional and inspection. Closed 3. Inspected the unit and here the list of observations: • Damage carton box and label. • No damages found on the inner box, plastic/foam packaging, Start Up Kit, Certificate of Functional Performance (CoFP) • No cosmetic or any form of damages to the unit. 2. NCR report sent on 06Mar020 for WPPL disposition approval prior rework. Open	GES Martin/ /Lwin/Alan	26May'20	Open

Quality Issues

Corrective And Preventive Actions (CAPA) (running 12 months)



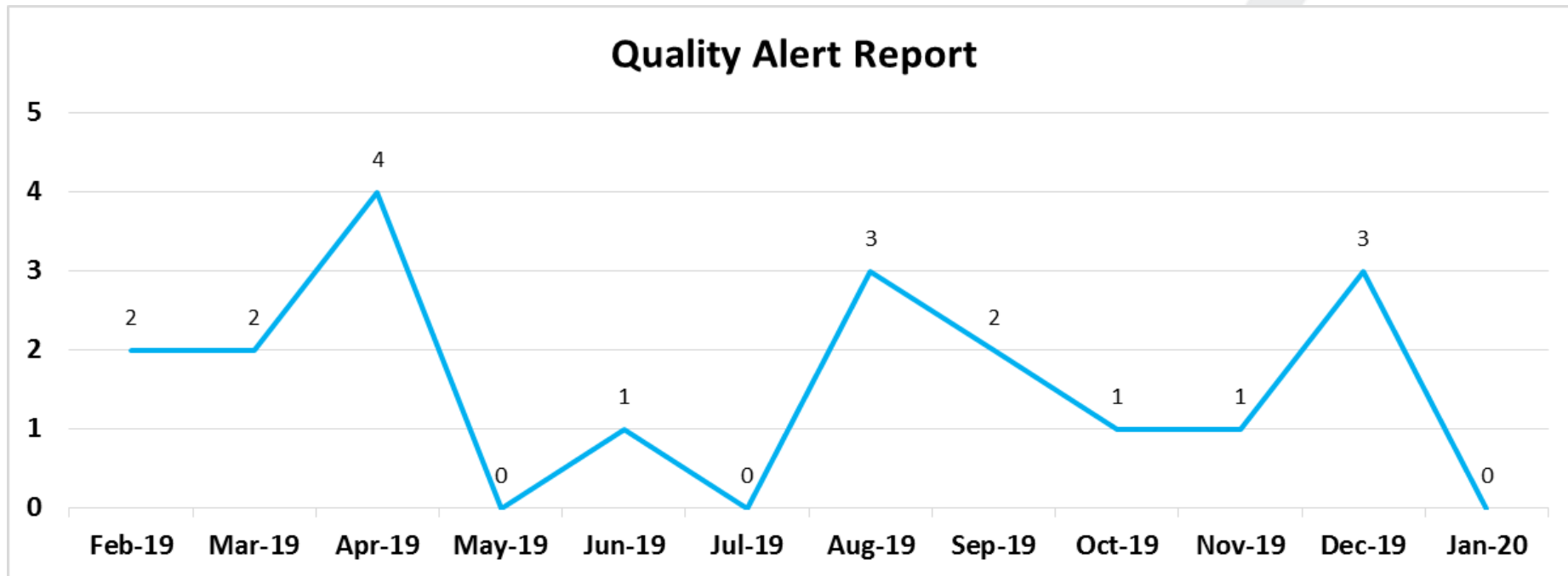
	Mar-19	Apr-19	May-19	Jun-19	Jul-19	Aug-19	Sep-19	Oct-19	Nov-19	Dec-19	Jan-20	Feb-20
CAPA	1	1	0	0	0	2	0	0	1	0	0	0
Status	Closed	Closed	NA	NA	NA	Closed	NA	NA	Closed	NA	NA	NA

Remarks:

No CAR received for month of Feb'20.

Quality Issues

Quality Alert Trending (running 12 months)



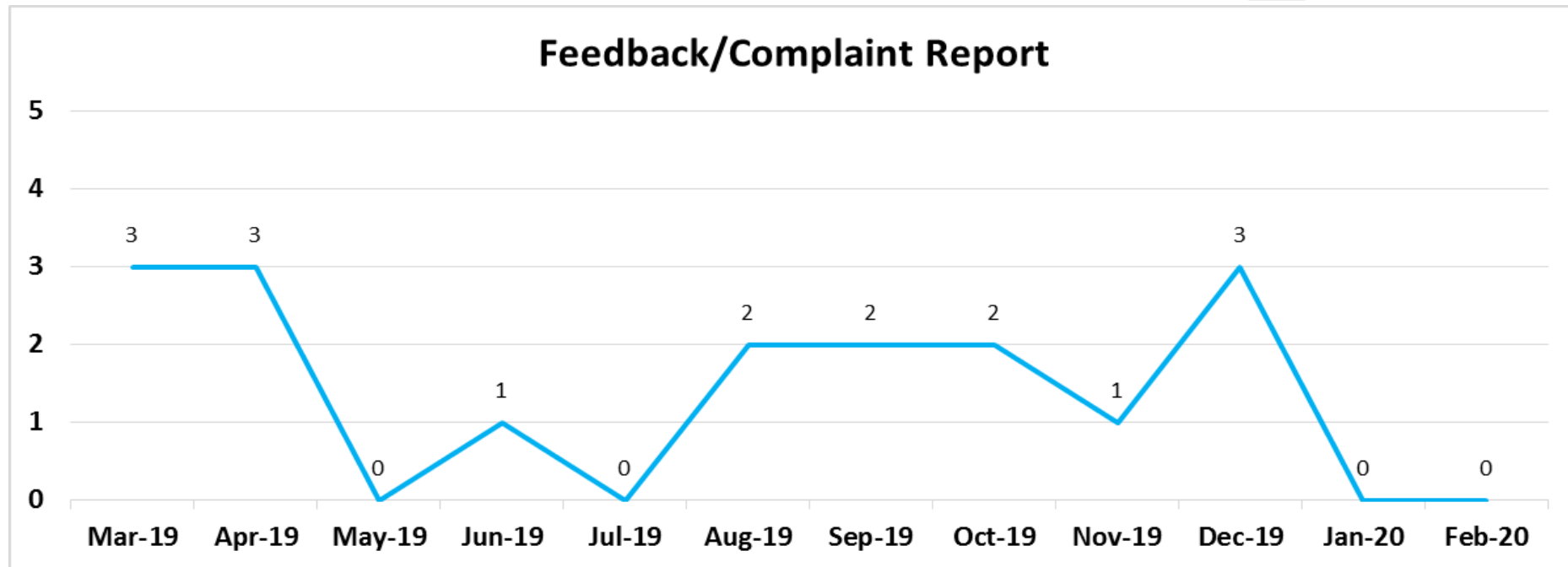
	Mar-19	Apr-19	May-19	Jun-19	Jul-19	Aug-19	Sep-19	Oct-19	Nov-19	Dec-19	Jan-20	Feb-20
Quality Alert	2	4	0	1	0	3	2	1	1	3	0	0
Status	Closed	Closed	NA	Closed	NA	Closed	Closed	Closed	Closed	Closed	NA	NA

Remarks:

No QA Alert raised for month of Feb'20.

Quality Issues

Feedback/Complaint Trending (running 12 months)



	Feb-19	Mar-19	Apr-19	May-19	Jun-19	Jul-19	Aug-19	Sep-19	Oct-19	Nov-19	Dec-19	Jan-20
Feedback	5	3	3	0	1	0	2	2	2	1	3	0
Status	Closed	Closed	Closed	NA	Closed	NA	Closed	Closed	Closed	Closed	Closed	NA

Remarks:

No Feedback/Complaint raised for month of Feb'20.

Waters LC TMD Update: Notification send out for TMD010709 v01 that will expire on 30Mar2020.

TMD Tracker 2019~2020	
No. of TMD Closed	No. of TMD Open
29	11

Beacon Deviation Update: 3 OPEN for Beacon related to the parts supplied by ACHB D7703, D7704 & D7705.

Beacon Deviation Tracker 2019~2020	
No. of TMD Closed	No. of TMD Open
1	3

QDa Deviation Update: 4 awaiting for official closure D7571, D7854, D7861 & D7864.

QDa Deviation Tracker 2019~2020	
No. of TMD Closed	No. of TMD Open
8	6



End of Report