

Test Monitoring Center

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MEMORANDUM:	19-012
DATE:	April 17, 2019
TO:	Eric Donovan, Chairman, L-42 Surveillance Panel
FROM:	Dylan Beck DyW Bego
SUBJECT:	L-42 Rater Calibration from October 1, 2018 through March 31, 2019

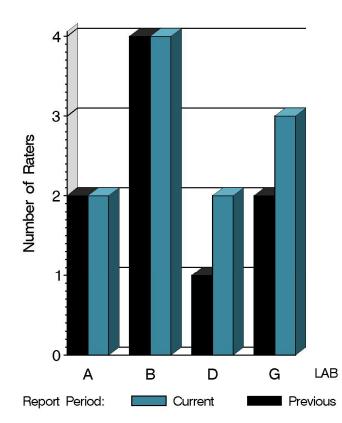
Attached is a summary of L-42 rater calibration activity this period.

DJB/djb/mem19-012.djb.doc cc: Frank Farber Jeff Clark L-42 Surveillance Panel <u>http://www.astmtmc.cmu.edu/ftp/docs/gear/l42rc/semiannualreports/l42rc-04-2019.pdf</u>

Distribution: email

	Reporting Data	Calibrated on 3-31-19
Number of Labs	4	4
Number of Raters	11	11

BY-LAB RATER DISTRIBUTION





Test Distribution by Validity

		Totals		
		Last Period	This Period	
Accepted for calibration	AC	11	12	
Rejected (Mild)	OC	1	1	
Rejected (Severe)	OC	1	1	
Rejected (Multiple)	OC	0	0	
Rejected (Precision)	OC	0	0	
Workshop data	AG	15	26	
Total		28	40	

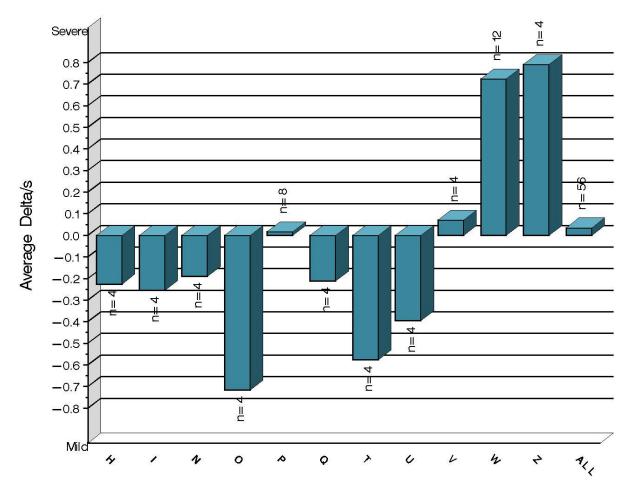


			PSCR		CR
Rater	Ν	Avg Yi	STD*	Avg Yi	STD*
Н	4	-0.226	0.359	0.051	0.258
<u> </u>	4	-0.255	0.732	-0.892	0.490
N	4	-0.190	0.595	-0.709	0.230
0	4	-0.717	0.927	-1.736	1.185
Р	8	0.016	0.506	0.177	0.522
Q	4	-0.212	0.253	-0.274	0.503
Т	4	-0.576	0.477	-0.839	0.621
U	4	-0.395	0.848	-0.383	0.566
V	4	0.070	0.256	0.164	0.180
W	12	0.723	1.748	0.378	1.021
Z	4	0.791	2.025	0.555	0.832
ALL	56	0.035	1.129	-0.184	0.915

* Due to the small number of ratings per part, the standard deviation of the Yi values is given in place of a pooled standard deviation.



PINION SCORING Severity as Measured by Delta/s



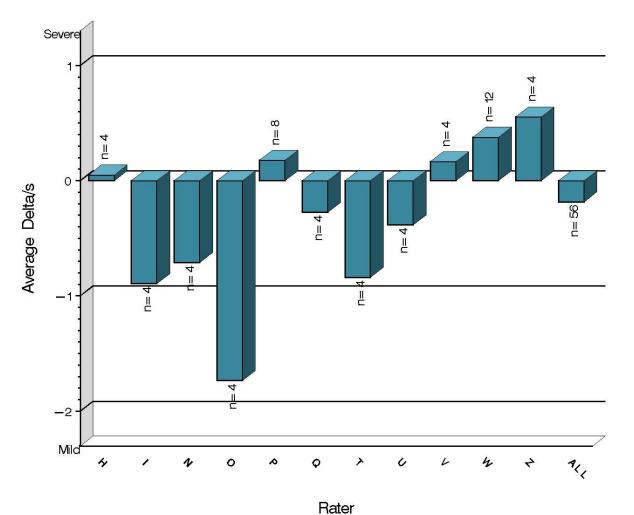
Rater

14:10:14 15APR2019



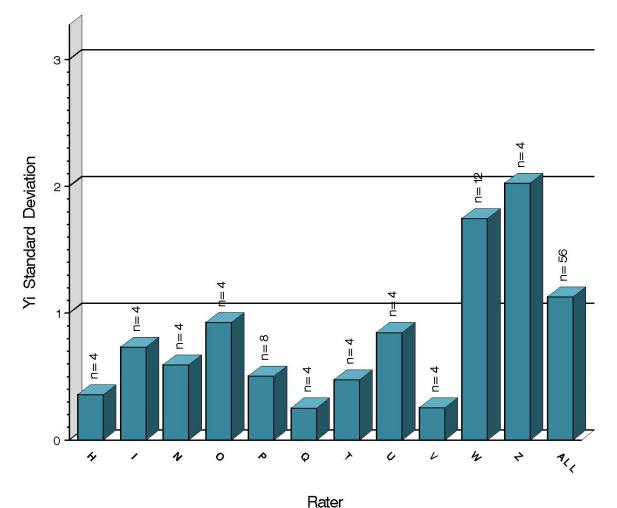
A Program of ASTM International

RING SCORING Severity as Measured by Delta/s





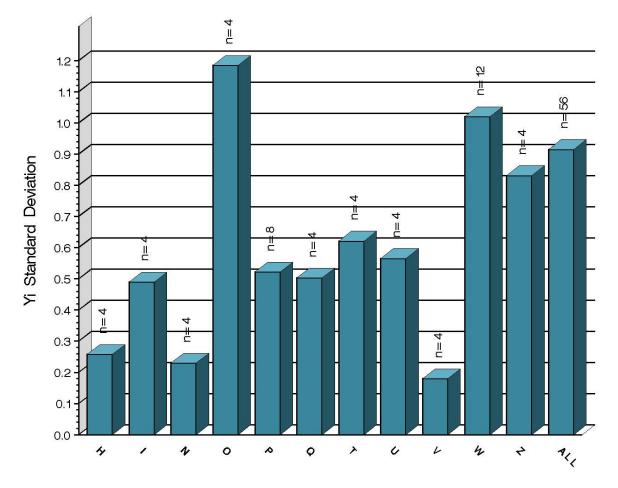
PINION SCORING Precision as Measured by Yi STD







RING SCORING Precision as Measured by Yi STD



Rater



SUMMARY OF SEVERITY & PRECISION

Severity

PSCR briefly exceeded the action limit this period but has since returned within limits. RSCR remained within limits for the entirety of the period.

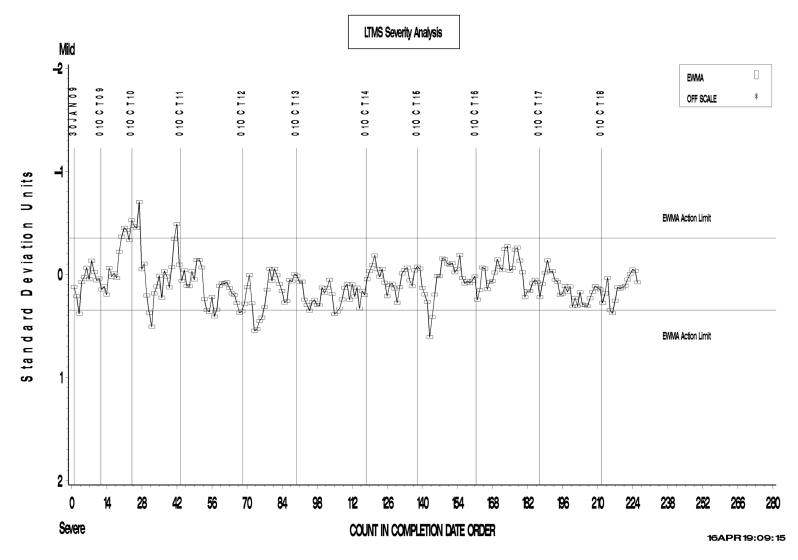
Precision

Precision for both parameters remained within acceptable limits.

Industry control charts follow.



L-42 RATER CALIBRATION INDUSTRY OPERATIONALLY VALID DATA

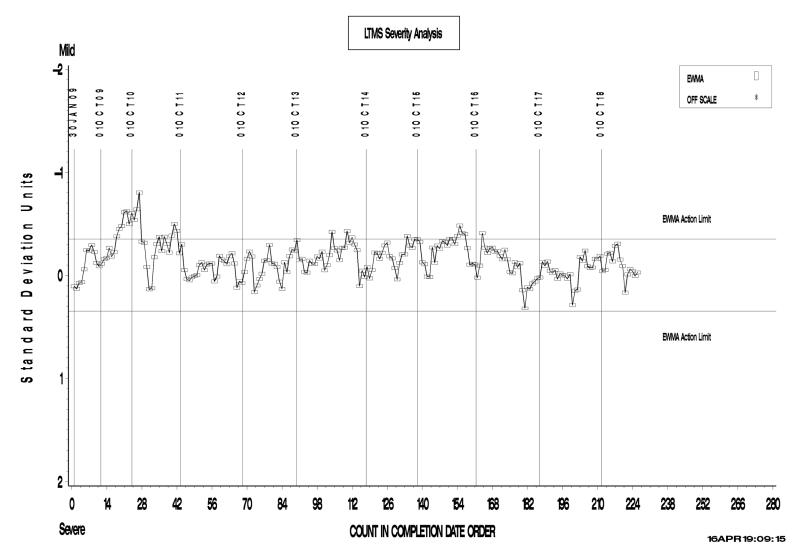


PINION SCORING



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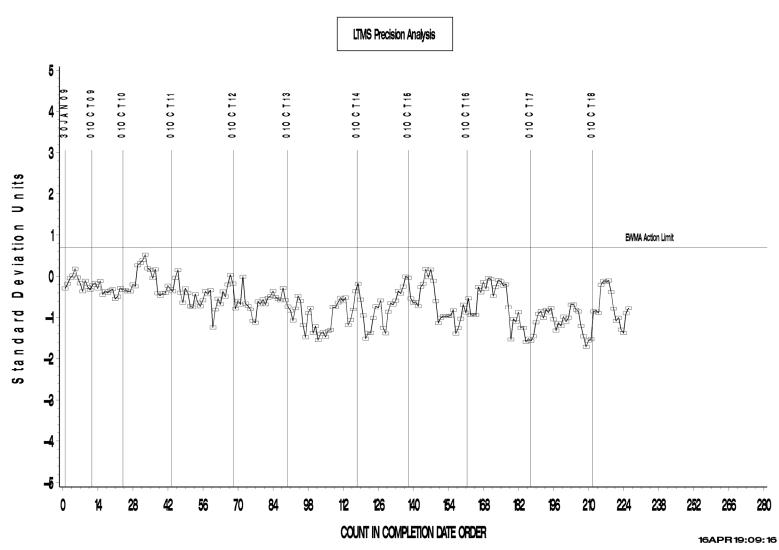


RING SCORING



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L-42 RATER CALIBRATION INDUSTRY OPERATIONALLY VALID DATA



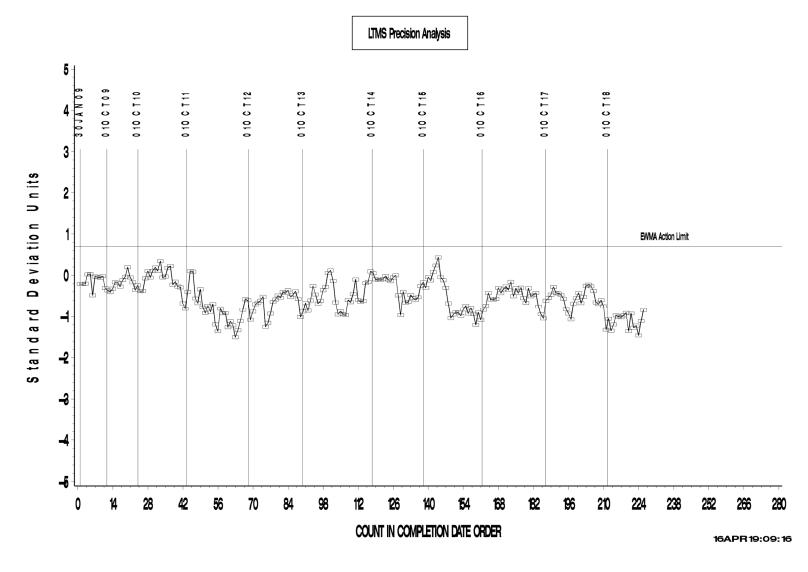
PINION SCORING



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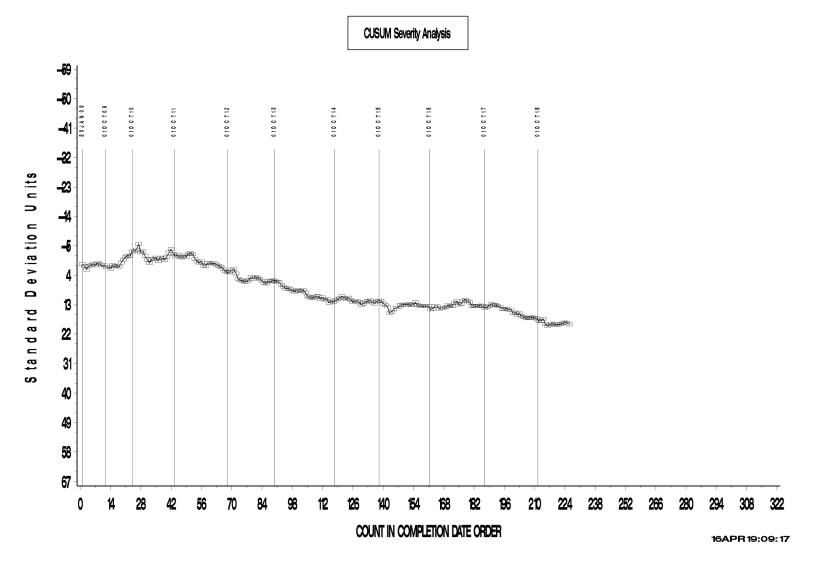






L-42 RATER CALIBRATION INDUSTRY OPERATIONALLY VALID DATA

PINION SCORING





L-42 RATER CALIBRATION INDUSTRY OPERATIONALLY VALID DATA



