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http://astmtmc.cmu.edu 412-365-1000

MEMORANDUM:	14-021
DATE:	June 13, 2014
TO:	Thomas D. Gottwald, Chairman, L-42 Surveillance Panel
FROM:	Scott Parke
SUBJECT:	L-42 Rater Calibration from October 1, 2013 through March 31, 2014

Please find attached a summary of L-42 rater calibration activity this period.

SDP/sdp/mem14-021.sdp.doc cc: Frank Farber Jeff Clark L-42 Surveillance Panel ftp://ftp.astmtmc.cmu.edu/docs/gear/l42rc/semiannualreports/l42rc-04-2014.pdf

Distribution: email

	Reporting Data	Calibrated on 3-31-14
Number of Labs	4	4
Number of Raters	8	8

BY-LAB RATER DISTRIBUTION 3 Number of Raters 2 1-0 В D G LAB А Report Period: Current Previous

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Test Distribution by Validity

		Totals		
		Last Period	This Period	
Accepted for calibration	AC	9	13	
Rejected (Mild)	OC	0	0	
Rejected (Severe)	OC	0	0	
Rejected (Multiple)	OC	0	0	
Rejected (Precision)	OC	0	0	
Workshop data	AG	18	24	
Total		27	37	



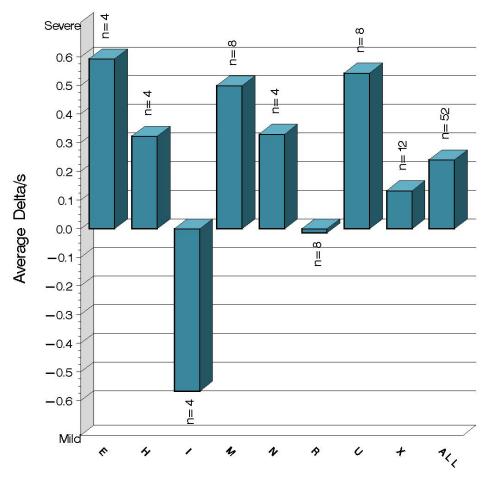
		PSCR		RSCR	
Rater	Ν	Avg Yi	STD*	Avg Yi	STD*
E	4	0.593	0.491	-0.607	0.445
Н	4	0.323	0.744	-0.075	0.856
I	4	-0.567	0.128	-0.508	1.628
М	8	0.499	1.345	-0.241	1.237
Ν	4	0.330	0.450	0.642	0.898
R	8	-0.015	0.250	-0.261	0.401
U	8	0.544	0.802	0.188	0.865
Х	12	0.133	0.458	-0.026	0.913
ALL	52	0.241	0.742	-0.096	0.933

* 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



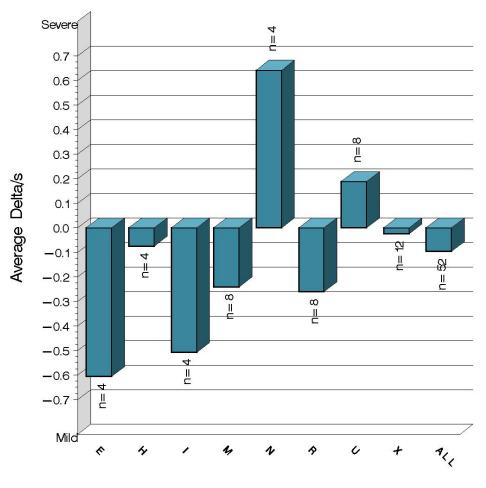
Rater

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RING SCORING

Severity as Measured by Delta/s



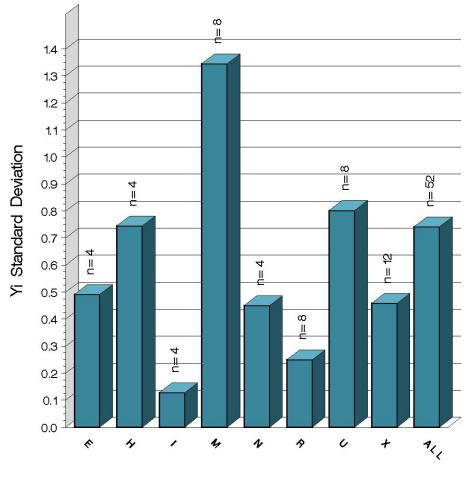
Rater

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PINION SCORING

Precision as Measured by Yi STD



Rater

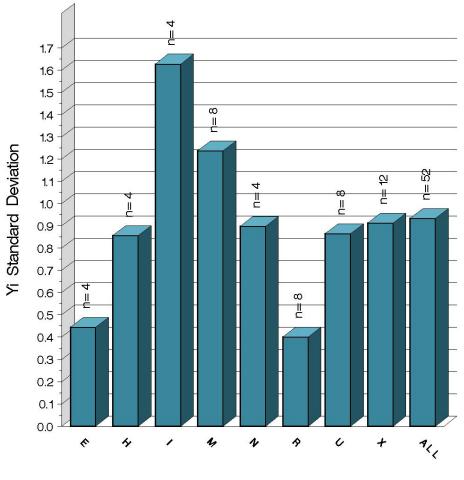
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RING SCORING

Precision as Measured by Yi STD



Rater

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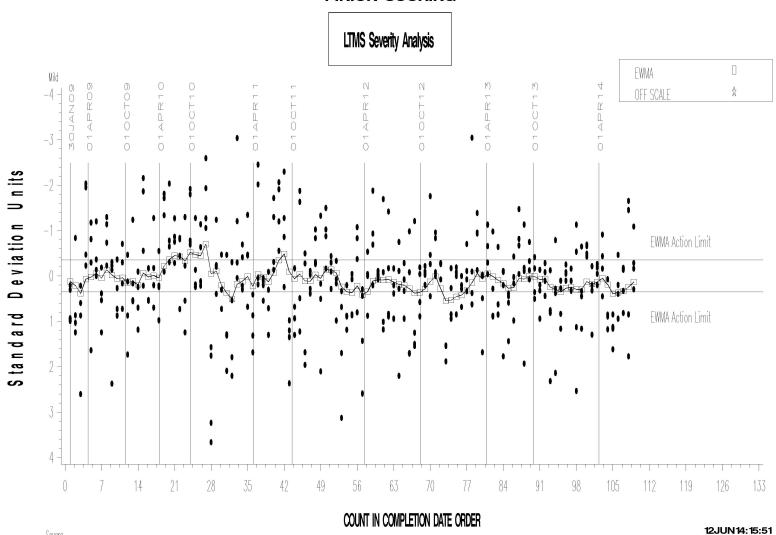
SUMMARY OF SEVERITY & PRECISION

Severity	
RSCR was essentially on-target over this period; PSCR was slightly severe.	
Precision	
Precision for both parameters remained within acceptable limits.	

Industry control charts follow.



L-42 RATER CALIBRATION INDUSTRY OPERATIONALLY VALID DATA

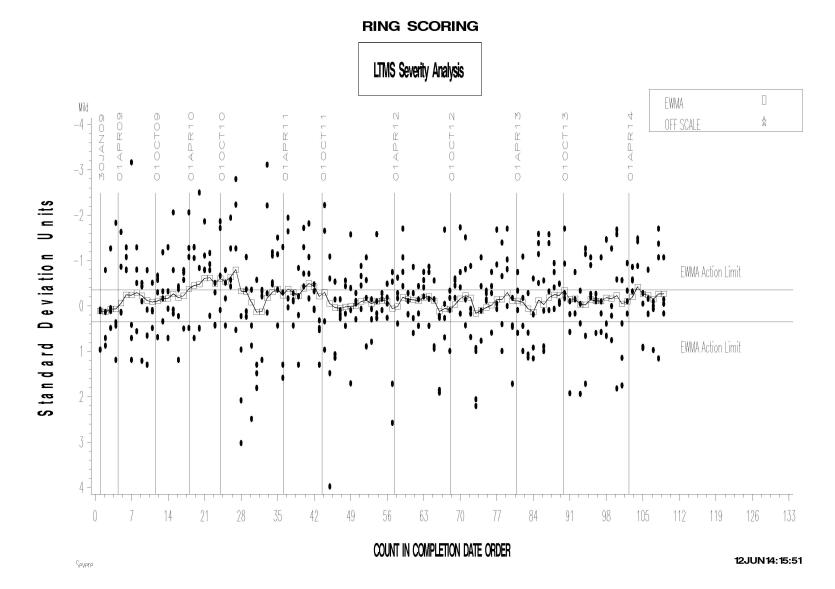


PINION SCORING



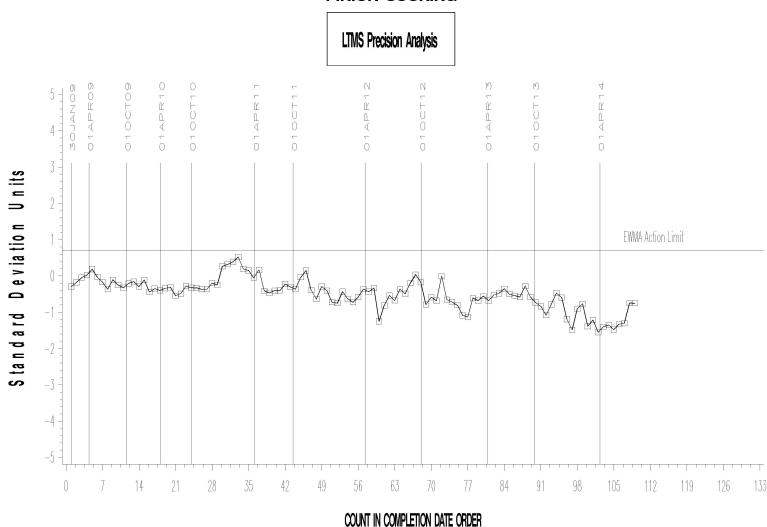
Severe

L-42 RATER CALIBRATION INDUSTRY OPERATIONALLY VALID DATA





L-42 RATER CALIBRATION INDUSTRY OPERATIONALLY VALID DATA

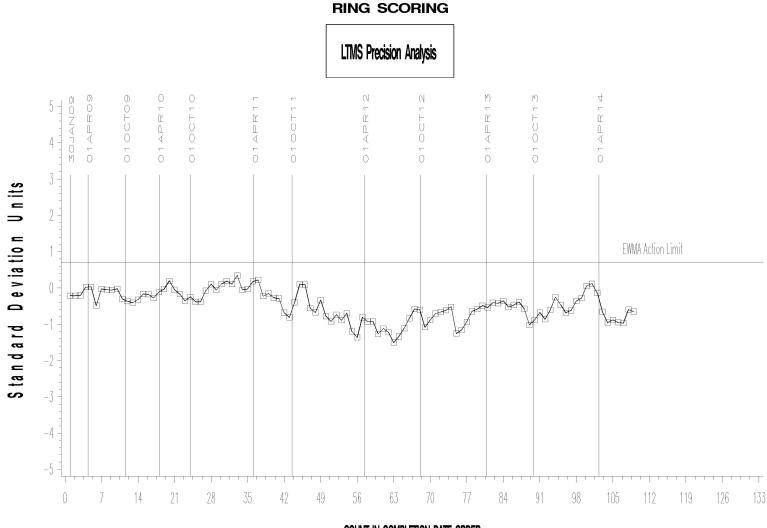


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L-42 RATER CALIBRATION INDUSTRY OPERATIONALLY VALID DATA

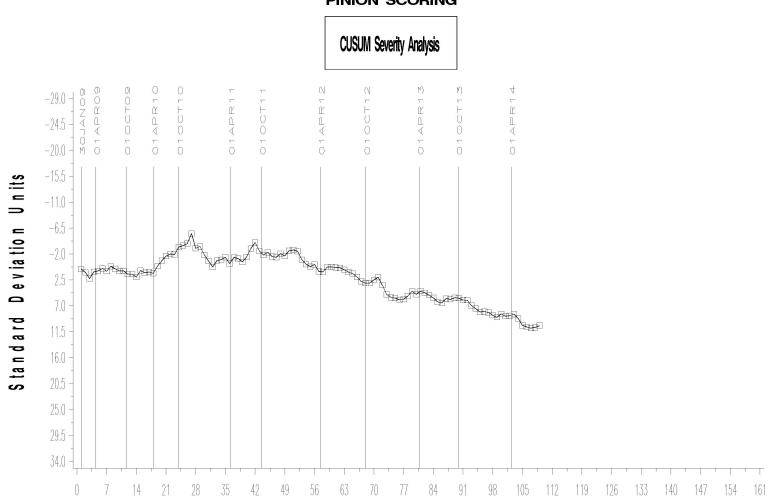


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L-42 RATER CALIBRATION INDUSTRY OPERATIONALLY VALID DATA



PINION SCORING

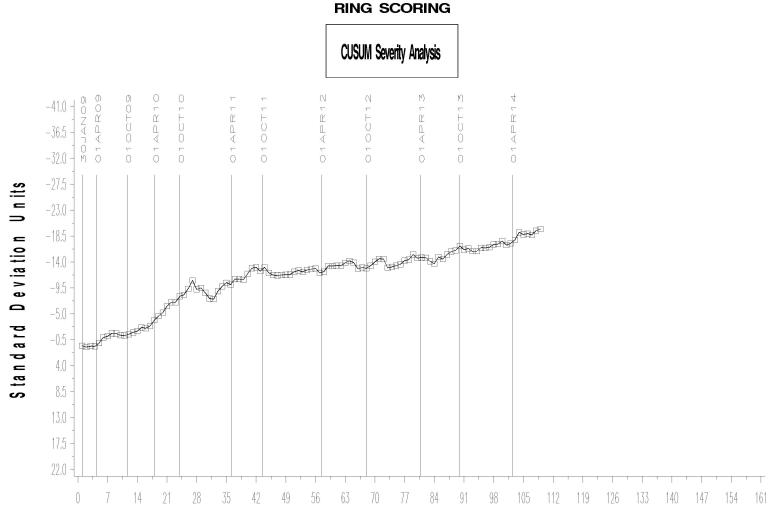
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L-42 RATER CALIBRATION INDUSTRY OPERATIONALLY VALID DATA



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