MOTOROLA INC.

GOVERNMENT ELECTRONICS GROUP INTER-OFFICE CORRESPONDENCE

DATE: 13 November 1989

FROM: Mike Harry / Russ Benson

TO: Distribution List

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SUBJ: Completion of Metric Proposal Format

As many of you may know, Jim Baum announced the new GEG Performance Metrics Manual at the 1989 Executive Conference. The target for publication release was given as Q1-90. In the spirit of "total customer satisfaction," it is our intent to provide a six-sigma manual, on time. To do this, several specific events need to transpire. Those events are listed in Attachment A.

Attachment B is the current list of champions and their respective metric assignments. Each champion is enthusiastically encouraged to follow the aforementioned project plan. If we are to complete the Metrics Manual on time, optimum coordination, cooperation, and communication are a must.

Be aware that the Proposal Format Training session for the metric champions will be held in Room #S120D (Scottsdale Commerce Center) on *Friday*, 17 November 1989. The session will start promptly at 1:00 p.m. and run until 4:00 p.m. Notice that this is given as Event No. 10 in the action plan. During the mini course, each of the proposal blocks (see attached proposal format) will be discussed in detail by Russ Benson; e.g., what must be in each block, etc. Therefore, if you have completed the proposal format for your metric in advance of the course, specific questions and resultant answers can significantly enhance the final preparation of your metric proposal.

Each Metric Committee member will be working with their respective champions in preparation for Event No. 12. Remember, the bulk of editing must be done by this time; i.e., the proposal must be complete and "ready to go." Here again, six-sigma performance will be required if we are to meet our schedule.

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For those that participated in the pilot study of the metric proposal format, we extend a hearty thanks. Your efforts significantly enhanced the final revision.

Mike Harry

Russ Benson

New Performance Metrics Manual Summary

Metrics Report	Status	Status Category	Recommendation	Committee	Champion
A Part British Control of the Contro		- Bridge		Assignment	
5-UP Chart	Retain	5-up			
Acceptance/Reliability Test Rejects	Retain	ain 5-up	Change to be IAW standard report specification	Boncon	- Commo
Cost of Non-Conformance	Retain		Change to be 18M cales		Lawson
Defecte per million opportunities Test 6 La	0		Chiange to be low sales		CIIII Hayes
Delecte per milital opportunities - rest & m			Change to be IAW standard report specification	Benson	Maschino
Delivery Delinquencies - Hardware	_	2-up	Add 3 month rolling average ??	Graves	Mover
Purchased Material Quality(Supplier Caused)	Retain	5-up		Bernath	Proctor
Defects per cost proposal (quarterly)	Botoin	oio A oio			: : : : : : : : : : : : : : : : : : : :
Technical Documentation Accuracy	Botolo	Accuracy		Stewart	Bob Bailey
Control Assessment	noidil.	Accuracy		Graves	Bjornholt
Ilme Card Accuracy	Retain	ain Accuracy		Stewart	Bill Hook
Delivery Delinquencies - CDRLS	Retain	Delivery		Graves	Moyer
Cycle time	New	Efficiency	Banart to reflect our such state of transfer		
odinotinitu.	F		יייייייייייייייייייייייייייייייייייייי		Davis (acting)
Allangon	New	Efficiency		Harry	Welt
Assembly Defect Rate (Mil-Std 2000)	New	M-Defect	M-Defect Report to be IAW with Mil-Std 2000 red	Boncon	Lathaman
Defects per million opportunities - Mfa	Retain	M-Defect	Retain M.Defect Chance normalizer to construction	Donog	Maniaway
_	Now	M. Defect		Delison	Mascrillo
the Defects not Ileit		W-Dalaci	M-Delectroport to be IAW With Mil-Sig 2000 fed.	Denson	Hathaway
Total Defects per Onli	Delete	M-Defect F	Delete M-Defect Replace with DPMOP and M-DPMOP	Benson	Benson
Purchased Material Quality (GEG Caused)	Retain	Material		Bernath	Proctor
Cost of Quality	Retain	8		0	404
Method B's (QDR's)	Retain	A C		Claves	Company
MRB Actions	Rotain	80		Graves	Cympaiski
Standard Repairs	New	8		Graves	MC Clourn
Waivers	Dotoin				MC CIOUIN
00045	Helain	3		Graves	Mover

New Performance Metrics Manual Summary

Age of Closed Problems(software)	New	S/W		Nool	John Coulth
Age of Open Problems(software)	New	S/W		Nool	John Omitt
Engineering Cost of Fixing Problems(software)	New	S/W		Noon	Motto Torre
Estimation Error(software)	New	S/W		Nool	Dort Miles
Failure Rate(software)	New	S/W		Noel	Barr Nigro
New Open Problems(software)	New	S/W		Noel	Prank Arkei
Phase Containment Effectiveness(software)	New	S/W		Noel	Barbara Atkinson
Schedule Estimation Error(software)	MeN	W/S		Noel	Hon Columbo
Software Defects	Mou	100		Noel	Bart Nigro
	П	N/S		Noel	Bruce Brady
Total Defect Containment Effectiveness(softwa	New	S/W		Nool	Bon Columbo
Total Open Problems(software)	New	S/W		No.	DOI COLUMN
				Noel	Barbara Atkinson
First Time Subassembly Rejects	Retain	Test	Change to he IAW standard report precification	Donne	
First Time System Rejects	Retain	Test	Change to be IAW standard report specification	Donne	Budge
			CHARLES TO SECURIOR S	Dellad	epond