APPENDIX B of WI-600

PAP Clause Mapping

PAP CLAUSES ON ALL PURCHASE ORDERS

Material Codes	Commodity Name	Definition	1 INSPECTION OF SUPPLIES	4 CALIBRATION SYSTEM	6 RIGHT OF ACCESS	11 LOT CONTROL AND IDENTIFICATION	21 NONCONFORMING MATERIAL (NCM) CONTROL	22 DOCUMENTATION CHANGE CONTROL	31 PPRBM REQUIREMENTS	43 CURRENT REVISION	45 FOREIGN OBJECT DEBRIS	47 SUPPLIERS AND THEIR SUB-TIER SUPPLIERS	49 OZONE DEPLETING CHEMICALS	52 RECORD RETENTION	53 COMESTIC SPECIALTY METALS	59 SUPPLIER PROCESS CHANGE CONTROL	60 EXECUTIVE ORDER 13496	60 EXECUTIVE ORDER 13465	62 COUNTERFEIT PARTS	65 International Traffic in Arms Regulations (ITAR) Export Control Requirements	72 RETURN MATERIAL AUTHORIZATION (RMA) REQUEST	73 Standard Workmanship	78 MONITOR EXTERNAL PROVIDERS PERFORMANCE	79 COMPETENCES, AWARENESS & COMMUNICATION	80 PRODUCTION PROCESS VERIFICATION
MG30	ELECTRONICS MANUFACTURER	Manufactured electrical parts/components (resistors, diode, ect.)	All PAP clauses apply - There are no exceptions																						
MG33	ELECTRONICS DISTRIBUTOR	Off the shelf procured electrical parts/components (resistors, diode, ect.)	All PAP clauses apply - There are no exceptions																						
MG35	WIRE HARNESSES/ CABLE	Cable - Electrical Distributor or Manufacture	All PAP clauses apply - There are no exceptions																						
MG37	Printed Circuit Boards	Printed Circuit Boards	All PAP clauses apply - There are no exceptions																						
MG40	EXTRUSION	Manufacturing process in which metal or plastic material is forced through a shaped metal piece or die to produce includes all thermal and testing requirements as specified on the drawing and P.O.	All PAP clauses apply - There are no exceptions																						
MG50	FORGINGS	Manufacturing process in which metal is formed into the desired shape includes all thermal and testing requirements as specified on the drawing and P.O.	All PAP clauses apply - There are no exceptions																						
MG60	CASTINGS	Manufacturing process in which metal is formed into the desired shape includes all thermal and testing requirements as specified on the drawing and P.O.	All PAP clauses apply - There are no exceptions																						
MG70	HARDWARE MANUFACTURER	manufactured hardware parts/components	All PAP clauses apply - There are no exceptions																						
MG72	HARDWARE DISTRIBUTOR	Off the shelf procured standard parts/components (nutplates, rivets, ect.)	All PAP clauses apply - There are no exceptions																						
MG73	SPRING MANUFACTURER	Fabricate spring complete includes all thermal, testing & processing requirements	All PAP clauses apply - There are no exceptions																						
MG80	MOLDED OR RUBBER PRODUCTS	Fabricate rubber product complete including drawing notes and P.O.	All PAP clauses apply - There are no exceptions																						
MG81	METALLICS & PLASTICs (RAW MATERIAL ONLY)	Fabricate rubber product complete including drawing notes and P.O.	All PAP clauses apply - There are no exceptions																						
MG82	PRODUCT IDENTIFICATION / DECALS	Identification marking of the product(s) as specified on the drawing and P.O.	All PAP clauses apply - There are no exceptions																						
MG83	GASKET	Fabricate rubber product complete including drawing notes and P.O.	All PAP clauses apply - There are no exceptions																						
MG88	PLASTIC	Fabricate plastic product complete including drawing notes and P.O.	All PAP clauses apply - There are no exceptions																						
MG117	SHIMS	Fabricate (form, punch, ect) complete includes all thermal, testing & processing requirements	All PAP clauses apply - There are no exceptions																						
MG130	PAINTS,SEALANTS AND CHEMICALS	Included adhesives, paints, varnishes, enamels, conformal coating, etc. material is typically identified with expiration date for shelf life storage	All PAP clauses apply - There are no exceptions																						
MG140	CRATES / PACKAGING	Purchased storage units or materials used to secure part for shipment	All PAP clauses apply - There are no exceptions																						
MG180	WOOD/FOAM/ TOOLING / R&D	Make complete per P.O. requirements	All PAP clauses apply - There are no exceptions																						
MG215	SHEET METAL FAB (incl minor assy)	Fabricate (form, punch, ect) complete includes all thermal, testing & processing requirements	All PAP clauses apply - There are no exceptions																						
MG217	Machined CASTING/Forging	Machined Casting or Forging bought complete. Includes all casting, forging, rough machining, processing, final machining and thermal and testing requirements as specified on the drawing and P.O.	All PAP clauses apply - There are no exceptions																						
MG250	TUBING FABRICATION	Supply & fabricate (form, machine, ect) complete includes all thermal, testing & processing requirements	All PAP clauses apply - There are no exceptions																						
MG270	MACHINING (incl minor assy)	Machine complete includes all thermal, testing & processing requirements. Including minor assy means minor integration of nutplates, inserts and the like.	All PAP clauses apply - There are no exceptions																						
MG280	Major ASSEMBLIES	Building parts and/or components together is an assembly complete including all processes and testing requirements and as directed on P.O.	All PAP clauses apply - There are no exceptions																						
MG400	Digital Product Definition DPD Manufacturing	DPD Machine complete includes all D6-51991 requirements. Including minor assy means minor integration of nutplates, inserts and the like.	All PAP clauses apply - There are no exceptions																						
MGS-PRO	PAPS FOR PROCESS	Subcontract operation only	All PAP clauses apply - There are no exceptions																						
MGS-M	PAPS FOR MANUFACTURING	Subcontract operation only	All PAP clauses apply - There are no exceptions																						
MGS-RAW	PAPS FOR CAST,EXTRU,FORGE	Subcontract operation only	All PAP clauses apply - There are no exceptions																						
MGS-SHT	PAPS FOR SHEET METAL (VFM)	Subcontract operation only	All PAP clauses apply - There are no exceptions																						
MGS-HT	PAPS FOR HEAT TREAT	Subcontract operation only	All PAP clauses apply - There are no exceptions																						
MGS-WE	PAPS FOR WELD	Subcontract operation only	All PAP clauses apply - There are no exceptions																						
NO CODE	PAPS FOR CONFORMAL COAT	Subcontract operation only	All PAP clauses apply - There are no exceptions																						
MGS-BRA	PAPS FOR BRAIDING	Subcontract operation only	All PAP clauses apply - There are no exceptions																						
MGS-P1	PAPS FOR ELECT ASSY OR PROGRAM	Subcontract operation only	All PAP clauses apply - There are no exceptions																						
	CALIBRATION	Subcontract operation only (service for Metrology Lab)	All PAP clauses apply - There are no exceptions																						
	TESTING	Subcontract operation only (service for Metrology Lab & R&D/Engr)	All PAP clauses apply - There are no exceptions																						

PAP CLAUSES FOR EACH COMMODITY

Material Codes	Commodity Name	9 MATERIAL IDENTIFICATION REQUIREMENTS	15 CERTIFIED PROCESSES	16 CERTIFICATION (COC)	17 AGE CONTROL - CERTIFICATION	18 TEST REPORTS	19 RAW MATERIAL CERTIFICATION	24 FIRST ARTICLE INSPECTION	26 Printed Circuit Boards	27 HARDNESS TEST CERTIFICATION	27 CONDUCTIVITY TEST CERTIFICATION	28 CONTINUITY TEST (MIL- PRF- 55110)	32 ELECTRO STATIC DISCHARGE (ESD)	35 WELDING CERTIFICATION	35 WELDING PROCEDURE	54 INSPECTION SAMPLING PLAN: 100% INSPECT LOAD TO SUB-TIER SUPPLIERS	56 PURCHASE ORDER LOT INCREASES	64 MEC SUPPLIED TOOLING	66 DATA REQUIREMENTS FOR TURNKEY PARTS MACHINING POs	67 Standard hardware Components	68 USE OF PURE TIN FINISHES PROHIBITED	70 Soldering Requirements	74 Cable & Wire Harness Assemblies	75 Supplier Disclosure of Disrupsert Material	77
MG30	ELECTRONICS MANUFACTURER		15	16		18		24	26				32			54					68	70			77
MG33	ELECTRONICS DISTRIBUTOR			16									32								68				
MG35	WIRE HARNESSES/ CABLE		15	16		18		24				28	32			54		64			68		74	75	77
MG37	Printed Circuit Boards		15	16		18	19	24	26			28	32			54							74		77
MG40	EXTRUSION		15	16			19			27	27							64							
MG50	FORGINGS		15	16			19	24								54			66	67					
MG60	CASTINGS		15	16			19	24								54			66	67					
MG70	HARDWARE MANUFACTURER		15	16		18		24								54		64		67	68				
MG72	HARDWARE DISTRIBUTOR			16														64			68				
MG73	SPRING MANUFACTURER		15	16		18	19	24								54			66	67					77
MG80	MOLDED OR RUBBER PRODUCTS			16	17	18		24								54		64							77
MG81	METALLICS & PLASTICs (RAW MATERIAL ONLY)			16	17		19											64							77
MG82	PRODUCT IDENTIFICATION / DECALS			16												54									77
MG83	GASKET			16	17	18		24								54		64							77
MG88	PLASTIC			16	17	18		24								54		64							77
MG117	SHIMS		15	16		18	19	24		27	27					54		64	66	67					77
MG130	PAINTS,SEALANTS AND CHEMICALS			16	17	18												64							
MG140	CRATES / PACKAGING			16																					
MG180	WOOD/FOAM/ TOOLING / R&D			16		18	19												66						77
MG215	SHEET METAL FAB (incl minor assy)		15	16		18	19	24		27	27			35	35	54		64	66	67					77
MG217	Machined CASTING/Forging		15	16			19	24								54			66	67					77
MG250	TUBING FABRICATION		15	16		18	19	24		27	27					54			66						77
MG270	MACHINING (incl minor assy)		15	16		18	19	24		27	27					54			66	67					77
MG280	Major ASSEMBLIES	9	15	16		18	19	24	26	27	27		32			54		64	66	67	68				77
MG400	Digital Product Definition DPD Manufacturing		15	16		18	19	24		27	27					54			66	67					77
MGS-PRO	PAPS FOR PROCESS		15	16												54	56	64							
MGS-M	PAPS FOR MANUFACTURING			16				24								54	56	64	66						77
MGS-RAW	PAPS FOR CAST,EXTRU,FORGE		15				19			27	27					54	56	64							
MGS-SHT	PAPS FOR SHEET METAL (VFM)			16			19			27	27		32			54	56	64							77
MGS-HT	PAPS FOR HEAT TREAT		15							27	27					54	56	64							77
MGS-WE	PAPS FOR WELD		15				19							35	35	54	56	64							77
NO CODE	PAPS FOR CONFORMAL COAT		15													54	56	64							77
MGS-BRA	PAPS FOR BRAIDING			16																					77
MGS-P1	PAPS FOR ELECT ASSY OR PROGRAM			16					26	27	27		32			54	56	64					74	75	77
	CALIBRATION			16																					
	TESTING			16		18		24																	

PAP CLAUSES BASED ON CONTRACTUAL REQUIREMENTS (QE PO REVIEW)

Material Codes	Commodity Name	2 QUALITY PROGRAM	3 QUALITY SYSTEM	5 MEC or MLS SOURCE INSPECTION	7.1 GOVERNMENT SOURCE INSPECTION (GSI) AT SUPPLIER FACILITY	7.2 GOVERNMENT SOURCE INSPECTION (GSI) AT MEC or MLS FACILITY	23 APPROVED SOURCE	29 DIRECT SHIPMENT	30 QUALIFIED PRODUCTS LIST (QPL)	33 STATISTICAL PROCESS CONTROL (SPC)	34 BALLISTIC CERTIFICATION (ARMOR)	34.2 BALLISTIC TESTING FOR US GOVERNMENT CONTRACTS	36 WORKMANSHIP SPECIMEN	37 WELDING EQUIPMENT APPROVAL	40 CERTIFICATION FOR GRADE 5 & HIGHER FASTENERS	42 NO PAP REQUIRED	47.1 SPECIAL PROCESSES - CUSTOMER-SPECIFIED PROCESSES - ANY HEAT TREAT	47.2 RAYTHEON QUALITY NOTE TC APPLIES NON-DESTRUCTIVE TESTING	47.3 RAYTHEON QUALITY NOTE JY APPLIES PLATING AND SURFACE FINISH	47.4 RAYTHEON QUALITY NOTE CT APPLIES PAINT	47.5 B RAYTHEON QUALITY NOTE HK APPLIES WELDING AND BRAZING	47.6 RAYTHEON QUALITY NOTE CK APPLIES SOLDERING	47.7 WRITTEN SPECIAL PROCESSES	48 GRAIN DIRECTION	50 SOFTWARE CONTROL	55 Digital Product Definition Manufacturing	58 SUPPLIER REQUIREMENTS FOR USE OF REDUCED DIMENSION DRAWINGS (RDD)	61 63 M AERO QUALITY APPENDIX QJ & QX PROCESS - APPENDIX QJ	69 NADCAP APPROVED SUPPLIERS	71 ACCEPTANCE TEST PLAN/PROCEDURE	76 FROZEN PLANNING I
MG30	ELECTRONICS MANUFACTURER		3																																		
MG33	ELECTRONICS DISTRIBUTOR																																				
MG35	WIRE HARNESSES/ CABLE		3																																		
MG37	Printed Circuit Boards		3																																		
MG40	EXTRUSION																																				
MG50	FORGINGS		3																																		
MG60	CASTINGS		3																																		
MG70	HARDWARE MANUFACTURER		3																																		
MG72	HARDWARE DISTRIBUTOR																																				
MG73	SPRING MANUFACTURER		3																																		
MG80	MOLDED OR RUBBER PRODUCTS																																				
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MG117	SHIMS		3																																		
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MG215	SHEET METAL FAB (incl minor assy)		3																																		
MG217	Machined CASTING/Forging		3																																		
MG250	TUBING FABRICATION		3																																		
MG270	MACHINING (incl minor assy)		3																																		
MG280	Major ASSEMBLIES		3					23					36	37			47.1	47.2	47.3	47.4	47.5	47.6	47.7	48													
MG400	Digital Product Definition DPD Manufacturing		3	5																							58										
MGS-PRO	PAPS FOR PROCESS																																				
MGS-M	PAPS FOR MANUFACTURING																																				
MGS-RAW	PAPS FOR CAST,EXTRU,FORGE																																				
MGS-SHT	PAPS FOR SHEET METAL (VFM)							24																													
MGS-HT	PAPS FOR HEAT TREAT																																				
MGS-WE	PAPS FOR WELD																																				
NO CODE	PAPS FOR CONFORMAL COAT																																				
MGS-BRA	PAPS FOR BRAIDING																																				
MGS-P1	PAPS FOR ELECT ASSY OR PROGRAM							24																													
	CALIBRATION																																				
	TESTING																										55										