

The Advantages of Maintaining an Effective Preferred Parts Lists

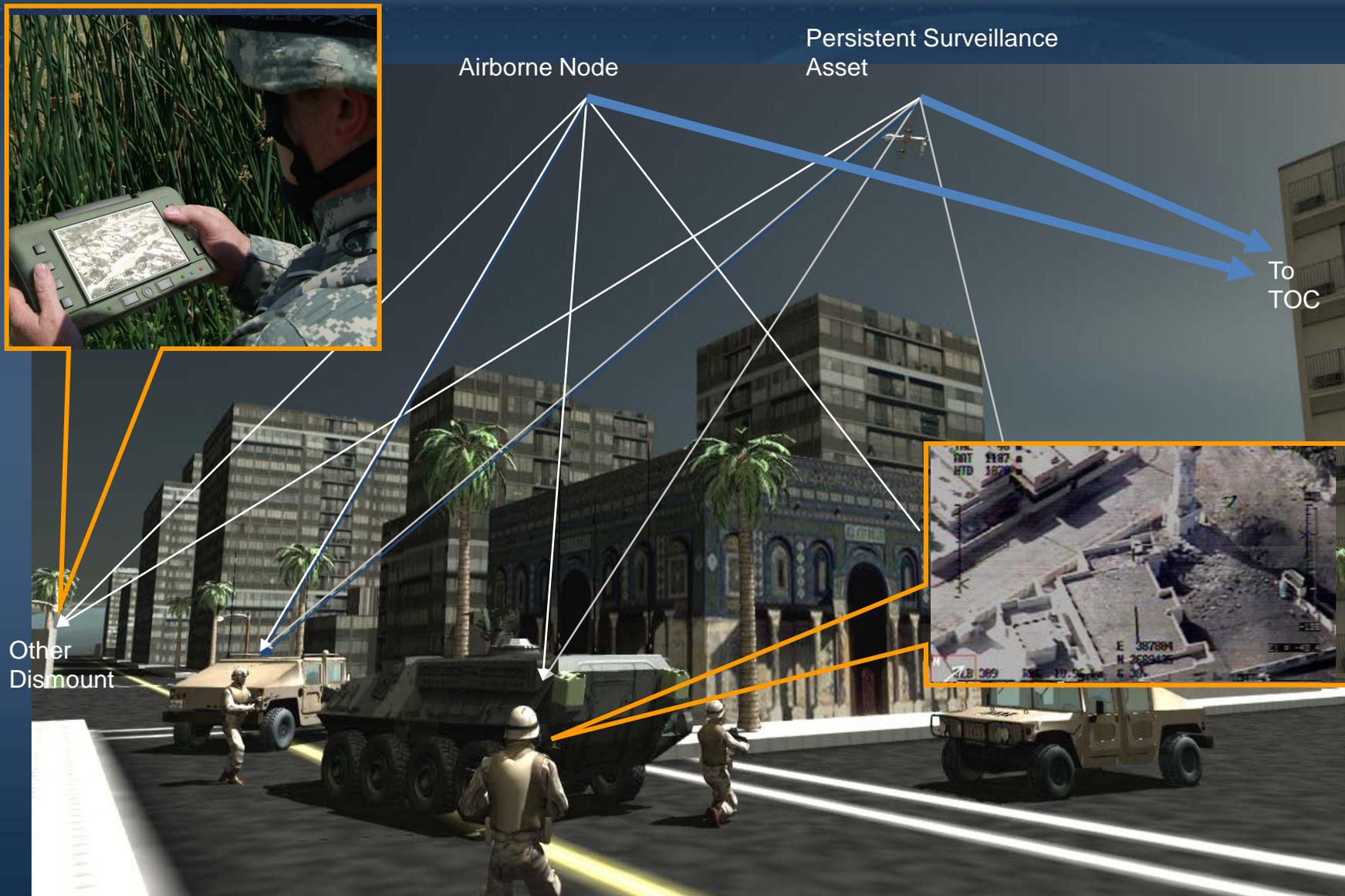
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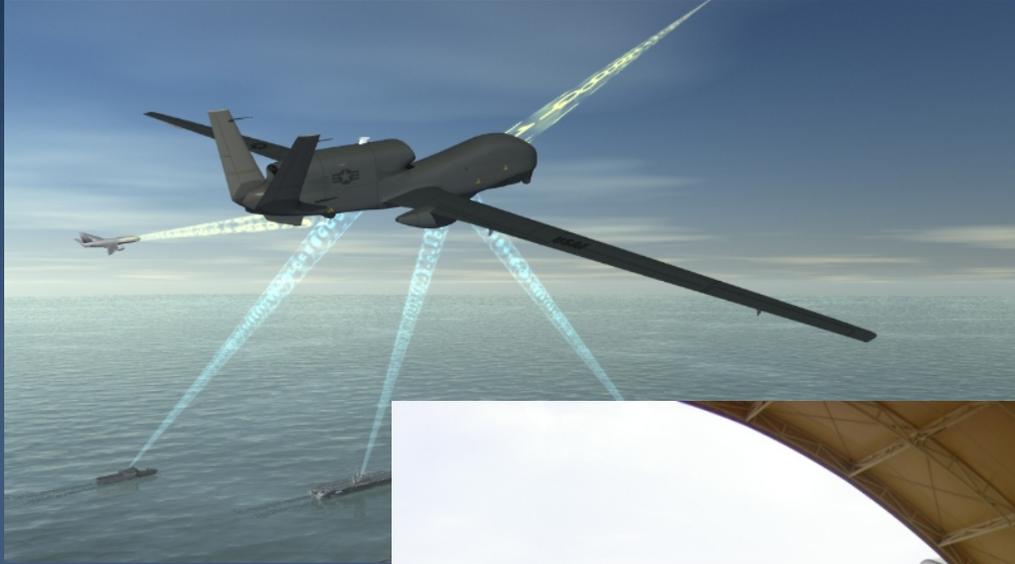


Communication Systems-West



- **ISR Communication Systems**
- **Tactical and Strategic SATCOM Terminals**
- **Sustainment Support and Services**
- **Networking Solutions**
- **Tactical Pods and Hand-Held Data Links**
- **Telemetry and UGV Communications**
- **Integrated Communications**





Why do we strive to maintain a Preferred Parts List (PPL)?

- Improve the Quality of New Designs;
- Minimize Costs and Avoid Duplications;
- Minimize Lead Times;
- Minimize Vanished Vendor (DMS) issues; and
- Minimize the Risk of Including Counterfeits in Product.

Improve the Quality of New Designs



By using the best components we build the best assemblies.



Minimize Costs and Avoid Duplications

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
1	A	S	SN74LVC244APWR	IC, DGTL - BFR/DRVR (74LVC244) OCTAL, 3-STATE OUTS, 1.65-3.6V	TSSOP-20, -40/+125 C																																																																																														
1	A	S	74LVC244APW, 112	IC, DGTL - BFR/DRVR (74LVC244) OCTAL, 3-STATE OUTS, 1.65-3.6V	TSSOP-20, -40/+125 C																																																																																														
1	A	PV	74LVC244MTC	IC, DGTL - (74LVC244) BUFFER OCTAL, W/SERIES RES, 2-3.6V	TSSOP-20, -40 TO +85 C																																																																																														
1	A	PV	74ALVCH16244GRDR	IC, DGTL - (74ALVCH16244) 16-BIT BUFFER/DRIVER, 1.65 TO 3.6V	FBGA-54, -40 TO 85C																																																																																														
1	A	PV	74ACT244MTC	IC, DGTL - BUFFER (74ACT244) OCTAL, 3-STATE OUTPUTS, 5V	TSSOP-20, -40/+85 C																																																																																														
1	A	PV	74ACT244MTC	IC, DGTL - BUFFER (74ACT244) OCTAL, 3-STATE OUTPUTS, 5V	TSSOP-20, -40/+85 C																																																																																														
1	A	PV	MC74ACT244DTR2	IC, DGTL - BUFFER (74ACT244) OCTAL, 3-STATE OUTPUTS, 5V	TSSOP-20, -40/+85 C																																																																																														
1	A	PV	MC74ACT244DTR2G	IC, DGTL - BUFFER (74ACT244) OCTAL, 3-STATE OUTPUTS, 5V	TSSOP-20, -40/+85 C																																																																																														
1	A	PV	74VCX16244MTD	IC, DGTL - (74VCX16244) 16-BIT BUFFER/LINE DRIVER, 1.2 TO 3.6V	TSSOP-48, -40 TO 85C																																																																																														
1	A	PV	74VCX16244MTDX	IC, DGTL - (74VCX16244) 16-BIT BUFFER/LINE DRIVER, 1.2 TO 3.6V	TSSOP-48, -40 TO 85C																																																																																														
1	U	SV	74ACTQ16244SSC	IC, DGTL - BUFFER/DRVR(CTQ16244) 16-BIT 3-ST BUFFER/LINE DRIVER	-40 TO +85 DEG C, SSOP-48, -40 TO +85C																																																																																														
1	A	PV	74LCX244WM	IC, DGTL - BUFFER (74LCX244) LOW V.LINE DRIVER, 2-3.6V	SOIC-20, -40 TO 85C																																																																																														
1	A	PV	74LCX244SJ	IC, DGTL - BUFFER (74LCX244) LOW V.LINE DRIVER, 2-3.6V	SOP-20, -40 TO 85C																																																																																														
1	A	SV	74LCX244MSA	IC, DGTL - BUFFER (74LCX244) LOW V.LINE DRIVER, 2-3.6V	SSOP-20, -40 TO 85C																																																																																														
1	A	PV	74LCX244MTC	IC, DGTL - BUFFER (74LCX244) LOW V.LINE DRIVER, 2-3.6V	TSSOP-20, -40 TO 85C																																																																																														
1	A	PV	74ACT16244DGGR	IC, DGTL - BUFFER (74ACT16244) BUFFER/LINE DRIVER, 16-BIT, 5V	9 SNS TPD, TSSOP48, SSOP-48, -40+85C																																																																																														
1	A	PV	IDT74FCT16244ATPV	IC, DGTL - BUFFER/LINE DRVR (16244) 16-BIT, 5 V	SSOP-48, -40+85C																																																																																														
1	A	PV	IDT74FCT16244ATPVG	IC, DGTL - BUFFER/LINE DRVR (16244) 16-BIT, 5 V	SSOP-48, -40+85C																																																																																														
1	A	PV	IDT74FCT244CTSOG	IC, DGTL - (FCT244CT) CMOS OCTAL BUFFER/LINE DRIVER, 5V	4, 1NS TPD, SOIC20, -40 TO +85C																																																																																														
1	A	PV	IDT74FCT244CTS0	IC, DGTL - (FCT244CT) CMOS OCTAL BUFFER/LINE DRIVER, 5V	4, 1NS TPD, SOIC20, -40 TO +85C																																																																																														
1	U	SV	74ACTQ244SC	IC, DGTL - BUFFER (74ACTQ244) OCTAL BUFFER/DRIVER, 5V	SOIC-20, -40 TO +85C																																																																																														
1	I	S	74LVC244AD	IC, DGTL - BFR/DRVR (74LVC244) OCTAL, 3-STATE OUTS, 1.65-3.6V	SOIC-20, -40/+125 C																																																																																														
1	I	S	74LVC244AD, 112	IC, DGTL - BFR/DRVR (74LVC244) OCTAL, 3-STATE OUTS, 1.65-3.6V	SOIC-20, -40/+125 C																																																																																														
1	I	S	74LVC244AD, 118	IC, DGTL - BFR/DRVR (74LVC244) OCTAL, 3-STATE OUTS, 1.65-3.6V	SOIC-20, -40/+125 C																																																																																														
1	I	S	SN74LVC244ADW	IC, DGTL - BFR/DRVR (74LVC244) OCTAL, 3-STATE OUTS, 1.65-3.6V	SOIC-20, -40/+125 C																																																																																														
1	U	SV	74VCX16244GX	IC, DGTL - (74VCX16244) 16-BIT BUFFER/LINE DRIVER, 1.2 TO 3.6V	2 SNS, FBGA-54, -40/+85C																																																																																														
1	U	SV	74VCX16244GX	IC, DGTL - (74VCX16244) 16-BIT BUFFER/LINE DRIVER, 1.2 TO 3.6V	2 SNS, FBGA-54, -40/+85C																																																																																														
1	U	SV	74ACTQ16244MTD	IC, DGTL - BUFFER/DRVR(CTQ16244) 16-BIT 3-ST BUFFER/LINE DRIVER	-40 TO +85C, TSSOP-48, -40 TO +85C																																																																																														
1	U	ZV	74ACTQ244MSA	IC, DGTL - BUFFER (74ACTQ244) OCTAL BUFFER/DRIVER, 5V	5V, SSOP-20, -40/+85C																																																																																														
1	A	PV	74LCX16244MTD	IC, DIGITAL - LOGIC (LCX16244) LV 16-BIT BUFFER, 2.3V TO 3.6V	4 SNS, TSSOP-48, -40/+85C																																																																																														
1	A	PV	MC74LCX16244DT	IC, DIGITAL - LOGIC (LCX16244) LV 16-BIT BUFFER, 2.3V TO 3.6V	4 SNS, TSSOP-48, -40/+85C																																																																																														
1	A	PV	IDT74FCT16244ATPV	IC, DIGITAL - (FCT16244) 16-BIT BALANCED BUFFER, 5V	SSOP-48, -40 TO +85C																																																																																														

By focusing on fewer preferred parts we maximize purchasing power, minimize purchase orders and strengthen the best suppliers.

Minimize Lead Times

Pref	ST	SC	VendorPN	BodyDescription	SuffixDescription
1	A	S	SN74LVC244APWR	IC, DGTL-- BFR/DRV R (74LVC244) OCTAL, 3-STATE OUTS, 1.65-3.6V	TSSOP-20, -40/+125 D
1	A	S	74LVC244APW,112	IC, DGTL-- BFR/DRV R (74LVC244) OCTAL, 3-STATE OUTS, 1.65-3.6V	TSSOP-20, -40/+125 D
1	A	PV	74LCX2244MTC	IC, DGTL--(74LCX2244) BUFFER OCTAL, W/SERIES RES, 2-3.6V	TSSOP-20, -40 TO +85
1	A	PV	74ALVCH16244GRDR	IC,DGTL--(74ALVCH6244) 16-BIT BUFFER/DRIVER,1.65 TO 3.6V	FBGA-54, -40 TO 85C,

By focusing on fewer preferred parts we can maximize our leverage with suppliers and minimize lead times.

Minimize Vanished Vendor (DMS) issues

By focusing on fewer preferred parts we can maximize our purchasing of these parts therefore reinforcing the desire of the manufacturer to continue its production.

Pref	ST	SC	VendorPN	BodyDescription	SuffixDescription
1	A	S	SN74LVC244APWR	IC, DGTL-- BFR/DRV (74LVC244) OCTAL, 3-STATE OUTS, 1.65-3.6V	TSSOP-20, -40/+125 D
1	A	S	74LVC244APW,112	IC, DGTL-- BFR/DRV (74LVC244) OCTAL, 3-STATE OUTS, 1.65-3.6V	TSSOP-20, -40/+125 D
1	A	PV	74LCX2244MTC	IC, DGTL--(74LCX2244) BUFFER OCTAL, W/SERIES RES, 2-3.6V	TSSOP-20, -40 TO +85
1	A	PV	74ALVCH16244GRDR	IC,DGTL--(74ALVCH6244) 16-BIT BUFFER/DRIVER, 1.65 TO 3.6V	FBGA-54, -40 TO 85C,

Minimize the Risk of Including Counterfeits in Product



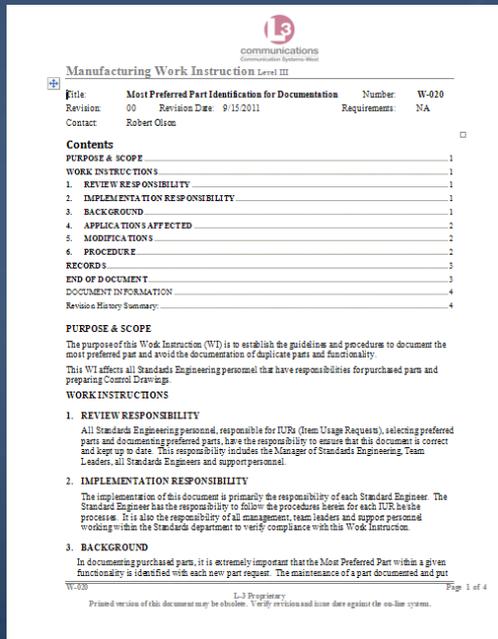
By focusing on fewer preferred parts we can maximize our purchasing of these parts and reduce the desire of the manufacturer to discontinue its production.

Having an effective PPL requires commitment :

- * New Processes and Procedures;
- * Aggressive Goals and Timetables;
- * Visibility of Real-Time Metrics;
- * Open Communications with Design Engineering and Program Management;
- * Flexibility; and
- * A Highly Refined Taxonomy to compare like parts within a given functionality at the finest degree of granularity.

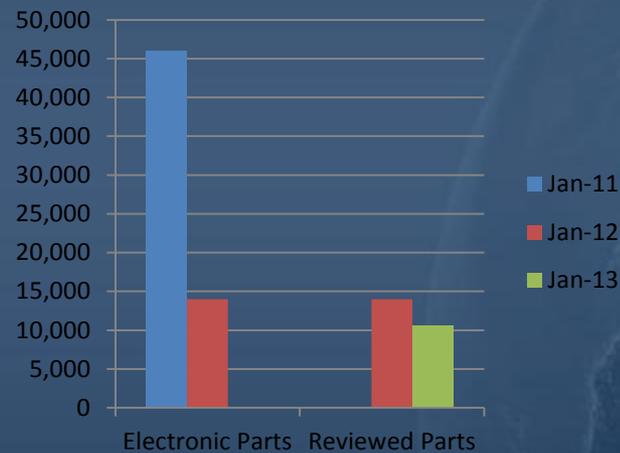


New Processes and Procedures



To create and maintain an effective PPL requires a paradigm shift focusing on continuous performance improvement (CPI).

Aggressive Goals and Timetables



In 2001 we had in excess of 900,000 parts documented at CSW including many duplicates in form, fit and function. To date that number has been reduced by over half of which the vast majority are for sustainment use only (PC-4).



Visibility of Real-Time Metrics

		WEEK ENDING	16-Mar	23-Mar	30-Mar	6-Apr	13-Apr	PC-3 GOAL
COMMODITY ENGINEER	GOAL: # PC-3s ASSIGNED TO MOVE BY 1 JUNE 2012	0	563	584	530	584	5852	
	ACTUAL - # MOVED (# PMs)	0	413	608	833	432	5852	
	CUMULATIVE TOTAL	0	249	438	1426	1426	NA	
	% COMPLETE	0%	3%	7%	20%	20%	20%	
COMMODITY ENGINEER	GOAL: # OF PART TYPE TAXONOMIES ASSIGNED TO REVIEW	0	29	29	26	33	342	
	# OF TAXONOMIES DEFINED / REDEFINED w/ Critical Attributes /d (in components d8) (# PMs)	0	2	0	10	0	342	
	CUMULATIVE TOTAL	0	2	2	12	12	NA	
	% COMPLETE	0%	1%	1%	4%	4%	100%	
DATA ANALYST (td)	GOAL: DEFINE # MISSING & WRONG CRITICAL ATTRIBUTES	TBD						
CO-OP ATTRIBUTES TEAM	GOAL: # OF CRITICAL ATTRIBUTES TO BE POPULATED	0	0	0	0	0	1	
	# CRITICAL ATTRIBUTES POPULATED (# \$ GOAL)	0	0	0	0	0	1	
	CUMULATIVE TOTAL	1	3	6	10	15	NA	
	% COMPLETE	100%	300%	600%	1000%	1500%	100%	
COMMODITY ENGINEER	GOAL: # PMs ASSIGNED TO REVIEW LOWEST FUNCTIONALITY & ADJUST PCs	0	1833	1838	1835	1836	19072	
	# OF PMs REVIEWED (#PMs)	0	1489	3255	1409	3913	12384	
	CUMULATIVE TOTAL	0	1489	4744	6233	10146	NA	
	% COMPLETE	0%	8%	25%	33%	53%	100%	

To create and maintain an effective PPL requires metrics showing the actual progress in eliminating those parts that are not the most preferred.

Open Communications with Design Engineering and Program Management



Without open communications and the trust that goes with it, a PPL would be impossible to create and maintain.

Flexibility

Chk	Suffix	Suffix Description	Preferred Code
<input type="checkbox"/>	000	ST PLUG TO ST PLUG 420 IN	5- Restricted, Not Allowed
<input type="checkbox"/>	001	ST PLGS INT RUGG & W/H, 144 IN	5- Restricted, Not Allowed
<input type="checkbox"/>	002	ST PLUG TO ST BK JK 41 IN	4- Sustaining
<input type="checkbox"/>	003	ST PLUG TO ST PLUG 240 IN	5- Restricted, Not Allowed
<input type="checkbox"/>	004	ST PLGS INT RUGG & WH,103.4 IN	5- Restricted, Not Allowed
<input type="checkbox"/>	005	ST PLUG TO ST BK JK, 80 IN	1- Most Preferred
<input type="checkbox"/>	006	ST PLG TO BHJ, INT RUGG, 80 IN	4- Sustaining
<input type="checkbox"/>	007	ST PLUG TO ST PLUG, 110 IN	1- Most Preferred
<input type="checkbox"/>	008	ST PLG TO RT ANG PLG, RUGG	1- Most Preferred
<input type="checkbox"/>	009	ST PLUGS, INT RUGG, 1182 IN	4- Sustaining
<input type="checkbox"/>	010	ST PLUGS, INT RUGG, 1418 IN	4- Sustaining
<input type="checkbox"/>	011	ST PLGS, BRASS ARMORED, 36 IN	4- Sustaining
<input type="checkbox"/>	012	STR PLGS, 2 EA CAP & CH, 46 IN	5- Restricted, Not Allowed
<input type="checkbox"/>	013	STR PLGS, 1 EA CAP & CH, 60 IN	4- Sustaining
<input type="checkbox"/>	014	STR PLG TO STR JACK, 60 IN	5- Restricted, Not Allowed
<input type="checkbox"/>	015	STR PLGS, 2 EA CAP & CH, 12 IN	4- Sustaining
<input type="checkbox"/>	016	STR PLGS, 2 EA CAP & CH, 75 IN	4- Sustaining
<input type="checkbox"/>	017	ST PLUG TO ST PLUG 24 IN	1- Most Preferred
<input type="checkbox"/>	018	ST PLUG TO ST JACK, 72 IN	4- Sustaining
<input type="checkbox"/>	019	ST PLG TO 4 HOLE PNL JK, 30 IN	4- Sustaining

To create and maintain an effective PPL requires flexibility in the way we address each opportunity to identify and reduce our PPL.

A Highly Refined Taxonomy to compare like parts within a given functionality at the finest degree of granularity



In order to select the most preferred part within a given functionality, it helps to refine the taxonomy of our parts to the finest degree of granularity in order to compare - not necessarily form or fit but definitely function.

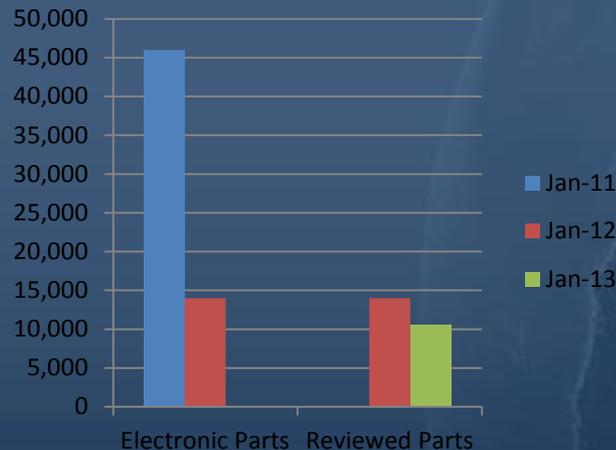
These are steps we employed:

- * Aggressive queries and filters to eliminate those parts not recently included in parts lists, BOMs and initial releases;
- * Implement reductions found possible through participation in the DLA/LMI Data Sharing Initiative;
- * Continuous review of all active functionally equivalent parts with each part query;
- * Complete review of all remaining Preferred Parts by functionality over a period of 15 months; and
- * Continuous Performance Improvements (CPI).
- * Gray Beard appeal process for those parts deemed necessary by the Design Engineer.

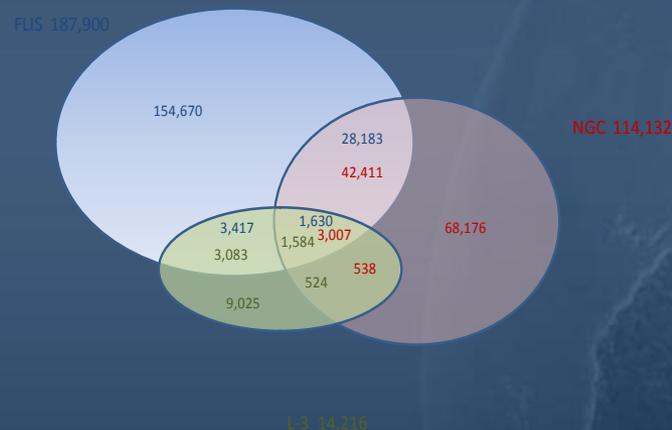


Aggressive queries and filters to eliminate those parts not recently included in parts lists, BOMs and initial releases;

Last year's goal was to reduce 46,000 electronic parts to 14,000. The goal for this year is to review 75% of the remaining parts and complete the complete review by April of 2013.



Implement reductions found possible through participation in the DLA/LMI Data Sharing Initiative;



Because of the findings of the Data Sharing Demonstration we were able to implement the following reductions:

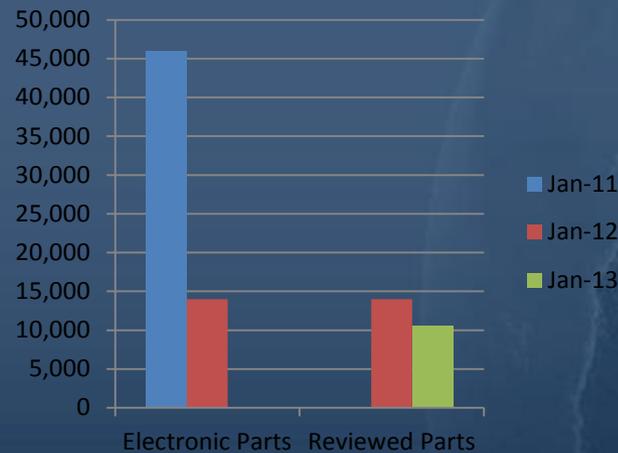
- 1.) Connectors - Reduce PC-1's from 6008 to 1558.
- 2.) Fasteners - Reduce PC-1's from 2036 to 529.

Continuous review of all active functionally equivalent parts with each part query;



“This here bell was made to tell that parts not needed can go to HELL!”

Complete review of all remaining Preferred Parts by functionality over a period of 15 months



It is anticipated that nearly 3600 man-hours will be required for the complete review of the remaining 14,000 preferred parts.

Continuous Process Improvements (CPI).



Over the past year many initiatives have been undertaken in order to reduce our PPL. As we go forward many more initiatives will be undertaken as we gain more experience and understanding of those items already documented and their replacements.



We have already realized and will continue to realize:

- * Cost savings alone save \$9400 over the life of each part not introduced to our BOM (Coopers and Lybrand 1998);
- * Reduction in Counterfeit Issues; and
- * Actively identified and minimized DMS issues for follow-on contracts.

Cost savings alone save \$9400 over the life of each part not introduced to our BOM (Coopers and Lybrand 1998)



In the 11 months since instituting the Bell Ringing and the PPL Work Instruction (WI-20), Standards Engineers have avoided the creation of 87 parts thus saving L-3 \$817K!

Reduction in Counterfeit Issues



It is too early to quantify the impact of having an effective PPL will have on the mitigation of counterfeit issues. Nonetheless there is no question that as we strive diligently to use only preferred parts in our new (and to a degree our sustaining) designs, we will dramatically mitigate the possibility of integrating counterfeit parts into our product for the warfighter.



Actively identify and minimize DMS issues for follow-on contracts.

Stat	QC	PC	Description	Description 2	SE LTR	Mfr. Part	Mfr	St. Life	Re. Par	
U	AV	F	DETECTOR RADIO FREQUENCY -- DIODE, 1.2 GHZ, 300 MV	DIODE, 1.2 GHZ, 300 MV/MV		ACTFR89N	ADVANCED CONTROL COMPONENTS	Unknown	Unknown	
U	AV	F	POWER SUPPLY -- AC TO DC -- SWITCHER	15 VOLT, 1.5 AMP		FAV5-3K	KEPCO INC.	Not Rated	Not Rated	
U	AV	F	POWER SUPPLY -- AC TO DC -- SWITCHER	5VOLT, 3AMP, 15VATT		FAV5-3K	KEPCO INC.	Not Rated	Not Rated	
U	AV	F	MIXER STAGE, FREQUENCY -- REF LO: 5-500MHZ;IF DC	RF LO: 5-500MHZ;IF DC-500MHZ		LRFMS-13M6	RF PRIME	Unknown	Unknown	
U	ZY	F	RECEIVER LIGHT SIGNAL -- 8 PIN DIP PACKAGE	SMA CONNECTOR, PS		DTL-95-400-SM	OPTICAL COMMUNICATION PDS	8-4 years	Active	
U	AV	F	TRANSMITTER LIGHT SIGNAL -- 8 PIN DIP PACKAGE	125MBPS, SMA CONN, RL1		2035-025	OPTICAL COMMUNICATION PDS	8	Unknown	
U	SV	F	COIL, RADIO FREQUENCY -- CHIP, SURFACE MOUNT, TRX	10.0 UH, 2.95 OHMS, 300 MADC		00015-1003XEC	COLCRAFT INCORPORATED	8-4 years	Active	
U	AV	F	RESISTOR, ELECTRICAL SURGE	SPA-400		VEHA1 DALE ELECTRONIC S INC	Not Rated	Not Rated		
U	AV	F	RESISTOR, VOLTAGE SENSITIVE	17050-420B		GENERAL ELECTRIC CO	Obsolete	Obsolete		
U	AV	F	PRIMER,ZINC CHROMATE	1 GAL CAN		T444	RAYTEON CO MICROVAVE AND	Not Rated	Not Rated	
U	AV	F	PLATE, PHOTOGRAPHIC -- PHOTOSENSITIVE ANODOZE	BLACK SATIN/NATURAL AL, 06.3THK		2503	HORIZONS INCORPORATED DBA IN	Not Rated	Not Rated	
U	AV	F	PLATE, PHOTOGRAPHIC -- PHOTOSENSITIVE ANODOZE	BLACK SATIN/NATURAL AL, 003THK		2502	HORIZONS INCORPORATED DBA IN	Not Rated	Not Rated	
U	AV	F	PLATE, PHOTOGRAPHIC -- PHOTOSENSITIVE ANODOZE	BLACK SATIN/NATURAL AL, 002THK		2501	HORIZONS INCORPORATED DBA IN	Not Rated	Not Rated	
U	AV	F	PLATE, PHOTOGRAPHIC -- PHOTOSENSITIVE ANODOZE	BLACK SATIN/NATURAL AL, 001THK		2500	HORIZONS INCORPORATED DBA IN	Not Rated	Not Rated	
U	AV	F	NAVIGATION SET, SATELLITE DATA -- RACK MOUNT GPS	GPS V2 86-376 X 2 86-376		IS-300-143	TRUETIME INC	Not Rated	Not Rated	
U	AV	F	SOCKET,ELEC CONN -- KIT	FOR MICRO PKG, LONG		W7767	VICOR CORPORATION	Not Rated	Not Rated	
U	AV	F	POWER SUPPLY --DC TO DC CONVERTER MODULE, 24 VDC	5V DC, 20A, MICROVIBO, RL0		V797055	VICOR CORPORATION	Not Rated	Not Rated	
U	SV	F	OSC, NON-CRYSTAL CONTROLLED -- VCO, 16-3.2GHZ, 0-20	55 TO 65 DEG C, 5VDC INPUT		HV771-12	REM-EC INC.	Unknown	Active	
U	AV	F	CAPACITOR FILAMENT ALUM--RADIAL, 2020 SERIES	1000UF, 20V, 10VDC BRT, RL5		20202020200B8	VEHA1 INTERTECHNOLOGY INC.	Not Rated	Not Rated	
U	AV	F	CONN, C/O, ELEC -- SHROUD, THRU HOLE MOUNT	SHROUD, THRU HOLE MNT		707445	FERM COMPONENTS INC.	Not Rated	Not Rated	
U	AV	F	COMPUTER DIGITAL -- SINGLE BOARD PPC750	PPC750, 0 TO 50 DEG C		SYMB-774-000	DT 4 SYSTEMS INC DBA CURTIS S	Not Rated	Not Rated	
U	AV	F	OSCILLATOR,CLOCK--5V,5MT 48MA	48MHZ, 40-BSC, RL1	6782006	ATO-2-DC5AM-40	FOX ENTERPRISES INC.	Obsolete	Obsolete	
U	AV	F	OSCILLATOR,CLOCK--5V,5MT 48MA	40MHZ, 40-BSC, RL1	6782006	ATO-2-DC5AM-40X	FOX ENTERPRISES INC.	Obsolete	Obsolete	
U	AV	F	NAVIGATION SET, SATELLITE SIGNALS--4XS PPS GPS R	4XS PPS GPS RECEIVER		21977-04	TR NAVIGATION INC DBA TRIMBLE	Not Rated	Not Rated	
U	AV	F	DISK DRIVE UNIT -- WIDE SCSI, LOW VOLTAGE DIFFER	LOW VOLTAGE DIFF, 51 GB MIN		ST304837LV	SEAGATE TECHNOLOGY	Not Rated	Not Rated	
U	AV	F	DISK DRIVE UNIT -- WIDE SCSI, LOW VOLTAGE DIFFER	LOW VOLTAGE DIFF, 68 GB MIN		ST303007LV	SEAGATE TECHNOLOGY	Not Rated	Not Rated	
U	AV	F	CCA -- IP CARRIER CARD AND IP MODULES	MODULES, CARRIER CARD ONLY		DMV-209-200	DT 4 SYSTEMS INC DBA CURTIS S	Not Rated	Not Rated	
U	AV	F	CCA -- IP CARRIER CARD AND IP MODULES	MODULES, 8-BIT, 40-INO PACK		IP4-669-200	DT 4 SYSTEMS INC DBA CURTIS S	Not Rated	Not Rated	
U	AV	F	CCA -- IP CARRIER CARD AND IP MODULES	MODULES, DIGITAL IO IP, 2.4V		IP4-206-220	DT 4 SYSTEMS INC DBA CURTIS S	Not Rated	Not Rated	
U	AV	F	INTERFACE UNIT, ADR--GEO-03V FIREWALL KIT	FIREWALL KIT		770330-000	CSIO SYSTEMS INC DBA CSIO S	Not Rated	Not Rated	
U	AV	F	COMPUTER, DIGITAL -- SINGLE BOARD, ULTRASPARC 2E	BOARD, ULTRASPARC 2E, VME64X		3145023-03P	THEMIS COMPUTER DBA THEMIS	Not Rated	Not Rated	
U	R	F	SOFTWARE, WILCENSE--SOLARIS 8 FOR ULTRASPARC 2E	APPLICATION RTU, 1.1 CPU		803000-101	THEMIS COMPUTER DBA THEMIS	Not Rated	Not Rated	
U	AV	F	OS, LINUX, VOLT -- 31 BIT, FLAT	31MBIOS, VOLT, LINUX/AS/DESK STAND		ASR/UCO-VOL-32X	Z MICROSYSTEMS INC.	Not Rated	Not Rated	
U	AV	F	IC, LIN, VOLT REG, POS, LM171HV	BCT10003AB		LM171HV		8-10 years	Active	
A	V	F	IC, LIN, VOLT REG, 171HV	LM171HV		LM171HV		6-10 years	Active	
U	AV	F	ENAMEL -- SEMI-GLOSS, TT-E-253	BLACK, FED-STD-595, NO 37038		2703492A	DEFENSE ELECTRONICS SUPPLY	Obsolete	Obsolete	
U	AV	F	CAPACITOR, FIXED, TANT, ALUM -- CHIP, LOW PROFILE	10.0UF, 10V, 10VDC, 3225, RL1		32251010V10	TAIYO YUDEN	Not Rated	Not Rated	
U	AV	F	SWITCH, TOGGLE -- ROCKER, DP, SPST, 6 STATION, 25MA, 24V	6 STATION, 25MA, 24VDC		MK625LH	OML MICROCIRCUITS USA INC.	Unknown	Unknown	
A	PIV	F	IC, DCTL -- BIODIRECTIONAL, DCV, 16MA, 9-BIT, 5V	7E20P44, 40-BSC, RL4		MK625LH	OML MICROCIRCUITS USA INC.	Unknown	Unknown	
A	PIV	F	MICROCIRCUIT, LINEAR--ADC0808, 8-BIT, AD CONVERTER	2-40 TO 85 DEG C, PLASTIC		8774F071624E4T8	INTEGRATED DEVICE TECHNOLOG	Obsolete	Obsolete	
A	PIV	F	MICROCIRCUIT, DIGITAL--73A51, 8K328 CMOS SYNC FIFO	0 TO 70 DEG C, 20 NS/SEC PLASTIC		8774F071624E4T8	INTEGRATED DEVICE TECHNOLOG	14.15 years	Active	
A	S	F	CAPACITOR, FIXED, TANT, ALUM -- CHIP, LOW PROFILE	10.0UF, 10V, 10VDC, 3225, RL1		8774F071624E4T8P	INTEGRATED DEVICE TECHNOLOG	14.15 years	Active	
I	V	F	CAPACITOR, FIXED, ELECTROLYTIC--	4000UF, 20V, 200VDC, NO SLEEVE, RL0		8772385FL200F	INTEGRATED DEVICE TECHNOLOG	5-7 years	Active	
I	DB	F	CCA -- COMSEC INTERFACE	COYS KEY HOLD BAT TMI/CH/MPHY		MLP46M20E000C	CORNELL DUBILIER MARKETING IN	Not Rated	Not Rated	
S	F	F	PRIMER, COATING, EPOXY, POLYAMIDE CHROMATED, STAN	CHROMATED STAN/ABS PIGMENTS, GL		19292007	GL LEMS2605S	TRN FILM TECHNOLOGY CORP/OP	12 years	Prelim
A	V	F	DELAY LINE -- FIXED, GULL WING	2.5 NS +/- 50PS, 40-BSC, RL2		V285ME01	NATIONAL SEMICONDUCTOR CORP	14.15 years	Active	
A	S	F	MICROCIRCUIT, LINEAR, AMPLIFIER POSITIVE VOLTAGE REG	BY 270-263, 1.5 LEAD, PLASTIC		V285ME01	NATIONAL SEMICONDUCTOR CORP	14.15 years	Active	
A	V	F	OSC, NON-CRYSTAL CONTROLLED -- 270-300MHZ, 0.5-4.5V	5.2506M OHM, 40FH, 95 DEG C, MET		V285ME01	2-COMMUNICATIONS	8-10 years	Unknown	
A	V	F	OSC, NON-CRYSTAL CONTROLLED -- 270-300MHZ, 0.5-4.5V	5.2506M OHM, 40FH, 95 DEG C, MET		V285ME01	2-COMMUNICATIONS	8-10 years	Unknown	
A	V	F	MICROCIRCUIT, LINEAR, TL082CN, PHASE LOCKED LOOP	40 TO 75 DEG C, 20P, PLASTIC		TL082CN	TEXAS INSTRUMENTS INCORPORA	Unknown	Unknown	
A	PIV	F	MICROCIRCUIT, LINEAR, LM044A, RAIL TO RAIL, 5 POUT	LOW POWER, CMOS, QUAD, PLASTIC		LM044AM	NATIONAL SEMICONDUCTOR CORP	6-10 years	Active	
A	S	F	MICROCIRCUIT, DIGITAL, AD6641, UNIFRAFT COMPARTAR	40 TO 85 DEG C, PLASTIC		AD6641AR	ANALOG DEVICES INC.	Unknown	Unknown	
A	S	F	SEMICONDUCTOR DEVICE -- SWITCHING MODE	50MA, 25MA, 5MT, PLASTIC		50M5030-001	OMNIA MICROELECTRONICS	Not Rated	Not Rated	
A	PIV	F	IC, LINEAR--HCP10651	TTL OFF-COUPLER, 5V		HCP10651	AVAGO TECHNOLOGIES U.S. INC	5-7 years	Active	

By minimizing those preferred parts set aside for sustainment (PC-4), we will reduce or eliminate those DMS and counterfeit issues that are allowed to be integrated into our fielded systems.

By maintaining an effective PPL, we will:

Improve the Quality of New Designs;

Minimize Costs and Avoid Duplications;

Minimize Lead Times;

Minimize Vanished Vendor (DMS) issues; and

Minimize the Risk of Including Counterfeits in Product.



Communication Systems-West

The Kennecott Copper Mine near Salt Lake City is the largest man-made ditch on earth. It is, along with Great Wall of China, one of only two man-made objects distinctly visible from space.



Completion of the world's first transcontinental railroad was celebrated here where the Central Pacific and Union Pacific Railroads met on May 10, 1869.



ATK Space Systems Rocket Exhibit in Promontory Utah. Over 50 years of rocket history on display at this exhibit at ATK offices in Promontory Utah. The largest rocket motor is that of the Space Shuttle's STS solid rocket booster.



PSMC - Advantages of Maintaining an Effective Preferred Parts Lists

Utah is the Headquarters for the Church of Jesus Christ of Latter-Day Saints (the Mormons). Free transportation and tours to Temple Square are available. See the Genealogy Library while there.



PSMC - Advantages of Maintaining an Effective Preferred Parts Lists

The West...just as it was! Step back in time with a visit to This Is The Place Heritage Park. Utah's premier living history attraction, come and explore our rugged, fascinating past!



Hale Centre Theatre
3333 South Decker Lake Drive
West Valley City, UT 84119

Box Office Information

Phone: 801-984-9000

Fax: 801-984-9009

Hours: Mon-Sat 10am-9pm



The screenshot shows the Hale Centre Theatre website. At the top, the theatre's name "Hale Centre Theatre" is displayed in a stylized font, with the tagline "UTAH'S PREMIERE FAMILY THEATRE · WEST VALLEY CITY" below it. To the right, there is a "SHOPPING CART" section indicating the cart is empty. A navigation menu includes links for TICKETS, SEASON TICKETS, GIFT CERTIFICATES, DONATE, INFO, GALLERY, MY ACCOUNT, and HELP. Below the menu is a search bar with "Search Events" and "GO" buttons, and a date selection area with "Event Dates", a calendar icon, "to", another calendar icon, and a "GO" button. The main content area features four event cards: "Oliver!" (October 10–December 1), "Rent The Right Look" (Halloween Costumes), "A Christmas Carol" (December 8–22), and "The 39 Steps" (December 31–February 2). Each card includes a "More Info" link.

Over the Wasatch Mountains and only a 30 minute drive from Salt Lake City is ski resort town Park City, which boasts three widely acclaimed ski areas: Deer Valley, Park City Mountain Resort, and The Canyons.



Hill Aerospace Museum is located on approximately 30 acres on the northwest corner of Hill Air Force Base, Utah, about five miles south of Ogden.

