OFFICE OF THE UNDER SECRETARY OF DEFENSE
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ACQUISITION,
TECHNOLOGY
AND LOGISTICS

NOV 25 2015

MEMORANDUM FOR COMMANDER, UNITED STATES SPECIAL OPERATIONS COMMAND (ATTN: ACQUISITION EXECUTIVE)
COMMANDER, UNITED STATES TRANSPORTATION COMMAND (ATTN: ACQUISITION EXECUTIVE)
DEPUTY ASSISTANT SECRETARY OF THE ARMY (PROCUREMENT)
DEPUTY ASSISTANT SECRETARY OF THE NAVY (ACQUISITION AND PROCUREMENT)
DEPUTY ASSISTANT SECRETARY OF THE AIR FORCE (CONTRACTING)
DIRECTORS OF THE DEFENSE AGENCIES
DIRECTORS OF THE DOD FIELD ACTIVITIES

SUBJECT: Units of Measure

References: (a) Director, Defense Procurement and Acquisition Policy memorandum, "Contract Line Item Pricing Integrity," October 3, 2011
(b) Defense Logistics Manual (DLM) 4000.25
(c) Defense Federal Acquisition Regulation Supplement Procedures, Guidance, and Information 204.7103

Proper line item structure, including selection of appropriate units of measure, is a vital element of meeting financial audit requirements that have been designated a top priority by the Secretary of Defense. To this end, reference (a) established an authoritative list of units of measure for use on contract line items. The intent was to eliminate units that could not be used to clearly identify a supply or service and to enforce data standards. Subsequent reviews of that list have identified needed revisions to eliminate units that are not useful in identifying contract deliverables (e.g. Amperes) and to add units of measure that have been added to the logistics data standards so as to ensure conformance with reference (b) (e.g. U.S. Gallons At 60 Degrees Fahrenheit).

The attached revised list of units of measure replaces the list cited in reference (c) and published at http://www.acq.osd.mil/dpap/pdi/eb/docs/Line_Item_UoM_List.xlsx. The file on the web site will be replaced by the attached within three days of this memo.

Claire M. Grady
Director, Defense Procurement
and Acquisition Policy

Attachment:
As stated

Last Modified 11/19/2015

Allowable Units of Measure	
Description	X12 Code
10 Kilogram Drum	97
10,000 Gallon Tankcar	96
100 Board Feet	BP
100 Kilograms	KK
100 Lineal Yards	YL
100 Pound Drum	17
1000 Cubic Feet	TZ
1000 Meters	MQ
100-Pack	4F
115 Kilogram Drum	16
15 Kilogram Drum	98
20 Foot Container	20
20,000 Gallon Tankcar	95
20-Pack	4E
25 Kilogram Bulk Bag	46
300 Kilogram Bulk Bag	45
40 Foot Container	21
50 Pound Bag	47
500 Kilogram Bulk Bag	44
55 Gallon Drum	18
Access Lines	AL
Acre	AC
Actual Kilograms	50
Actual Pounds	01
Actual Tonnes	51
Actual Tons	26
Additional Minutes	AH
Air Dry Metric Ton	MD
Aluminum Pounds Only	AP
Ampoule	AM
Anti-hemophilic Factor (AHF) Units	AQ
Apothecary Dram	UX
Apothecary Grain	OG
Apothecary Ounce	9O
Apothecary Pound	9A
Apothecary Scruple	ZY
Application	UR
Assembly	AY
Assortment	AS
Atmosphere	AT
Bag	BG
Bale	BA
Ball	AA
Band	BJ

Bar	BI
Barge	NB
Barrel	BR
Barrel, Dry	ZW
Barrel, Imperial	B4
Barrel, Liquid	ZX
Base Box	BB
Base Weight	BW
Basis Points	39
Basket	BS
Batch	5B
Batt	B9
Batting Pound	B3
Beam	BE
Belt	BT
Billboard	OC
Billet	B5
Bimonthly	ZA
Bin	2W
Biweekly	ZB
Block	BL
Board	B8
Board Feet	BF
Bobbin	4A
Bolt	BM
Book	BK
Bottle	BO
Box	BX
Briquet	9B
British Thermal Unit (BTU)	BY
Brush	BH
Bucket	BC
Bulk	BN
Bulk Car Load	48
Bulk Pack	AB
Bun	B6
Bunch	X2
Bundle	BD
Bunks	B2
Bushel	BU
Bushel, Dry Imperial	BV
Bytes	AD
Caboose Count	1D
Caboose Mile	1H
Cake	KA
Calendar Days	DW
Calls	C0

Calorie	R4	
Can	CN	
Cap	4B	
Capsule	AV	
Car	NC	
Car Count	1B	
Car Mile	1A	
Carat	CD	
Carboy	CB	
Card	CG	
Carload	C4	
Carset	C2	
Carton	CT	
Cartridge	CQ	
Cartridge Needle	N9	
Case	CA	
Cask	Z3	
Cassette	CS	
Catchweight	31	
Cell	C6	
Centigram	AF	
Centiliter	C3	
Centimeter	CM	
Chains (Land Survey)	X1	
Channel	QC	
Chest	Z2	
Clove	X3	
Coil	CX	
Coil Group	C9	
Combo	CZ	
Composite Product Pounds (Total Weight)	C1	
Cone	CJ	
Conference Points	Z6	
Connector	CK	
Container	CH	
Cop	AJ	*See Note.
Cord	8C	
Count	1N	
Cover	CV	
Crate	CP	
Cubic Centimeter	CC	
Cubic Decimeter	C8	
Cubic Feet	CF	
Cubic Inches	CI	
Cubic Meter	CR	
Cubic Meters (Net)	CO	
Cubic Yard	CY	

Cup	CU
Curl Units	94
Cycles	B7
Cylinder	CL
Data Records	DQ
Days	DA
Decagram	DJ
Decibels	2N
Decigram	DG
Deciliter	DL
Decimeter	DM
Directory Books	DY
Disk (Disc)	DC
Dispenser	DI
Display	DS
Dosage Form	US
Double-time Hours	EG
Dozen	DZ
Dozen Pair	DP
Draize Score	D8
Dram	DF
Dram (Minim)	UX
Drop	X4
Drum	DR
Dry Pounds	DB
Dry Quarts	QS
Dry Ton	DT
Duty	8D
Each	EA
Eight-pack	P8
Electronic Mail Boxes	EB
Eleven pack	EP
Employees	EE
Empty Car	1E
English (Feet, Inches)	E9
Envelope	EV
Equivalent	F3
Equivalent Gallons	EQ
Fahrenheit	FA
Family Unit	9Y
Fathom	AK
Feet and Decimal	EZ
Feet, Inches and Decimal	EY
Feet, Inches and Fraction	EX
Fibers	FK
Fields	FB
Fifty	Q4

Fifty Count	UZ
Fifty Square Feet	UY
Five	Q9
Five Hundred	VC
Five-pack	P5
Fixed Rate	1I
Flake Ton	FL
Flat	V1
Flight Hours	7C
Fluid Ounce	FO
Fluid Ounce (Imperial)	FZ
Fold	9F
Foot	FT
Foot Pounds	85
Four-pack	P4
Frames	1Q
Fuel Usage (Gallons)	1G
Furlong	FU
Gage Systems	GZ
Gallon	GA
Gill (Imperial)	G5
Grain	GX
Gram	GR
Great Gross (Dozen Gross)	GG
Gross	GS
Gross Barrels	GD
Gross Gallons	GN
Gross Kilogram	GT
Gross Ton	TG
Gross Yard	GY
Group	10
Half Dozen	HD
Half Gallon	GH
Half Hour	HT
Half Liter	H2
Half Pages - Electronic	H1
Half Pint	PV
Hank	HA
Head	X5
Heart	X6
Heat Lots	08
Hectare	HQ
Hectogram	HG
Hectoliter	H4
Hectometer	E1
Hogshead	Z4
Hospital Beds	HX

Hours	HR
Hundred	HU
Hundred Boxes	HB
Hundred Count	HC
Hundred Cubic Feet	HH
Hundred Cubic Meters	FF
Hundred Feet	HF
Hundred Feet - Linear	HL
Hundred Kilograms	HK
Hundred Pounds (CWT)	CW
Hundred Sheets	HI
Hundred Square Feet	HS
Hundred Troy Ounces	HO
Hundred Weight (Long)	HW
Hundred Weight (Short)	HV
Hundred Yards	HY
Hundredth of a Carat	HE
Imperial Gallons	GI
Impressions	IM
Inch	IN
Inches of Water	IF
Inches, Decimal--Actual	E8
Inches, Decimal--Average	E7
Inches, Decimal-Minimum	EM
Inches, Decimal--Nominal	ED
Inches, Fraction--Actual	E5
Inches, Fraction--Average	E3
Inches, Fraction--Minimum	E4
Inches, Fraction-Nominal	EF
Inhalation	UT
Inhaler	IH
International Unit	F2
Jar	JR
Job	JA
Joint	JO
Joules	86
Jug	JU
Jumbo	JB
Keg	KE
Kilobyte	2P
Kilocharacters	KB
Kilogram	KG
Kilograms Decimal	KD
Kiloliter	K6
Kilometers	DK
Kilopackets	KF
Kilosegments	KJ

Kilovolt Amperes Reactive Hour	K3
Kilowatt Demand	K1
Kilowatt Hour	KH
Kit	KT
Labor Hours	LH
Landings	7A
Large Spray	LJ
Layer(s)	LR
Leaf	X7
Length	LN
Lifetime	LL
Lift Van	Z1
Lifts	05
Linear Centimeter	LC
Linear Foot	LF
Linear Inch	LI
Linear Meter	LM
Linear Yard	LY
Link	LK
Liquid Pounds	LP
Liter	LT
Liters at 15 Degrees Celsius	L5
Load	NL
Loaf	X8
Locations	EJ
Locomotive Count	1C
Locomotive Mile	1K
Long Ton	LG
Lot	LO
Lozenge	UU
Lug	Z5
Machine/Unit	MA
Magnetic Tapes	M0
Manmonth	3C
Mass Pounds	PU
Mat	M3
Meal	Q3
Megabyte	4L
Megagram	2U
Megajoule	3B
Mesh	57
Message Hours	NH
Messages	NF
Meter	MR
Metric	MI
Metric Gross Ton	MG
Metric Long Ton	MT

Metric Net Ton	MN
Metric Ton	MP
Metric Ton Kilograms	MW
Micro Inch	M7
Microfiche Sheet	G7
Microgram	MC
Microliter	4G
Micromolar	FH
Microns (Micrometers)	MH
Mil	77
Miles	DH
Milliequivalent	UW
Milligram	ME
Milliliter	ML
Milliliters of Water	WW
Millimeter	MM
Millimeter-Actual	M2
Millimeter-Average	MY
Millimeter-minimum	MZ
Millimeter-Nominal	MB
Millimeters of Mercury	HN
Million British Thermal Units	BZ
Million Cubic Feet	FM
Million Units	UM
Minim	F4
Minutes	MJ
Minutes or Messages	AN
Mixed	MX
Mole (mol)	F5
Months	MO
Nautical Mile	NM
Net Barrels	ND
Net Gallons	NG
Net Imperial Gallons	NI
Net Kilograms	58
Net Liters	NE
Net Ton (2,000 LB).	TN
Newspaper Agate Line	Z8
Nights	NK
Nine pack	P9
Number of Lines	N2
Number of Mults	MV
Number of Screens	NJ
Ocular Insert System	AU
Operating Unit	OU
Ounce - Av	OZ
Outfit	11

Outlet	OB
Overtime Hours	OT
Pack (PAK)	PH
Package	PK
Packet	12
Pad	PD
Page	ZP
Pages - Electronic	P0
Pages - Facsimile	QA
Pages - Hardcopy	QB
Pail	PA
Pair	PR
Pair Inches	PB
Pallet (Lift)	PF
Pallet/Unit Load	PL
Panel	OA
Parts	N7
Peck, Dry Imperial	PZ
Peck, Dry U.S.	PY
Pellet	I2
Pen Calories	N1
Pen Grams (Protein)	N4
Pennyweight	WP
Person	IE
Photographs	QE
Pica	R1
Piece	PC
Pillow	9P
Pint	PT
Pint U.S. Dry	Q2
Pint, Imperial	PX
Pitch	PI
Plate	PP
Portion	X9
Pouch	V2
Pound	LB
Pounds Equivalent	PE
Pounds Gross	PG
Pounds Net	PN
Powder-Filled Vials	AW
Print Point	N3
Program	8R
Project	8P
Proof Gallons	5D
Pump	5G
Quart	QT
Quart, Dry U.S.	QS

Quart, Imperial	QU
Quarter	QF
Quarter (Time)	Q1
Quarter Dozen	QD
Quarter Hours	QH
Quarter Kilogram	QK
Quarter Mile	1X
Quire	QR
Rack	RA
Ration	13
Ream	RM
Ream-Metric Measure	RN
Reel	RE
Resets	RS
Revenue Ton Miles	RT
Ring	RG
Rod (area) - 16.25 Square Yards	RC
Rod (length) - 5.5 Yards	RD
Roll	RL
Roll-Metric Measure	RK
Round	RO
Run	RU
Running or Operating Hours	RH
Sack	SJ
Sandwich	SA
Saybold Universal Second	90
Season	1O
Seat	9S
Seconds	03
Section	SE
Segment	SG
Semester	S1
Semiannual	ZC
Session	8S
Sessions	S6
Set	ST
Seven pack	P7
Shares	D2
Sheet	SH
Sheet-Metric Measure	SS
Shelf Package	SP
Ship Set	2D
Shipment	SX
Short Ton	NS
Shot	14
Sitas	S6
Six pack	P6

Sixty-fourths of an Inch	S5
Skein	SW
Skid	SV
Sleeve	SL
Slice	Y1
Slip Sheet	S9
Small Spray	04
Solid Pounds	SD
Split Tanktruck	SK
Spool	SO
Square	SQ
Square Centimeter	SC
Square Decimeter	D3
Square Foot	SF
Square Inch	SI
Square Kilometer	8U
Square Meter	SM
Square Mile	SB
Square Millimeter	MS
Square Rod	SN
Square Yard	SY
Stage	5H
Standard Advertising Units (SAUs)	S8
Standard Cubic Foot	5I
Statute Mile	02
Stick	15
Stop	IS
Storage Units	S7
Strand	07
Strip	SR
Super Bulk Bag	43
Suppository	AR
Syringe	SZ
Tablespoon	Y2
Tablet	U2
Tank	TK
Tank Car	1P
Tank Truck	19
Task	KU
Teaspoon	Y3
Telecommunications Lines in Service	T0
Telecommunications Ports	UC
Ten	U3
Ten Square Feet	TR
Ten Square Yards	TF
Ten Thousand Yards	UH
Ten Yards	YT

Ten-pack	TP
Tenth Cubic Foot	TA
Tenth Hours	UE
Tenth Minutes	UD
Theoretical Kilograms	53
Theoretical Pounds	24
Theoretical Tonnes	54
Theoretical Tons	27
Therms	TD
Thirty-Six	Q6
Thousand	TH
Thousand Bags	T4
Thousand Casings	T5
Thousand Cubic Feet	TZ
Thousand Cubic Meters	R9
Thousand Feet	TQ
Thousand Feet (Board)	TM
Thousand Feet (Linear)	TL
Thousand Gallons	T6
Thousand Impressions	T7
Thousand Kilograms	TV
Thousand Kilowatt Hours	T9
Thousand Linear Inches	T8
Thousand Linear Meters	TT
Thousand Linear Yards	TU
Thousand Pieces	T3
Thousand Pounds Gross	T1
Thousand Rounds	RX
Thousand Sheets	TW
Thousand Sq. Centimeters	TJ
Thousand Square Feet	TS
Thousand Square Inches	TI
Thousandths of an Inch	T2
Three pack	P3
Tire	09
Ton Miles	1J
Total Car Count	1L
Total Car Mile	1M
Tote	TE
Track Foot	FE
Trailer	NT
Train	NN
Train Mile	1F
Transactions	1R
Transdermal Patch	FG
Tray	TY
Treatments	U1

Trimester	S2
Troche	UP
Troy Ounce	TO
Troy Pound	TX
Truckload	TC
Tub	Y4
Tube	TB
Twenty	AX
Twenty-Five	Q5
Twenty-Four	Q7
Two Hundred Fifty	U5
Two pack	OP
U.S. Gallons At 60 Degrees Fahrenheit	U6
U.S. Pharmacopoeia (USP) Unit	9Z
Unit	UN
Unitless	UL
Usage per Telecommunications Line - Average	UF
Vehicle	NV
Vial	VI
Visit	VS
Wafer	UQ
Week	WK
Wet Kilo	W2
Wet Pound	WB
Wet Ton	WE
Wheel	WH
Wine Gallon	WG
Work Days	WD
Working Months	WM
Wrap	WR
Yard	YD
Years	YR

Note: A Cop is cylindrical or conical mass of thread, yarn, or cable on a quill or a tube.