

IPAC Valid Unit of Issue Data Elements

01	Actual Pounds	28	Kilograms per Square Meter
02	Statute Mile	29	Pounds per 1000 Square Feet
03	Seconds	2A	Radians Per Second
04	Small Spray	2B	Radians Per Second Squared
05	Lifts	2C	Roentgen
06	Digits	2F	Volts Per Meter
07	Strand	2G	Volts (Alternating Current)
08	Heat Lots	2H	Volts (Direct Current)
09	Tire	2I	BTUs Per Hour
10	Group	2J	Cubic Centimeters Per Second
11	Outfit	2K	Cubic Feet Per Hour
12	Packet	2L	Cubic Feet Per Minute
13	Ration	2M	Centimeters Per Second
14	Shot	2N	Decibels
15	Stick	2P	Kilobyte
16	115 Kilogram Drum	2Q	Kilobecquerel
17	100 Pound Drum	2R	Kilocurie
18	55 Gallon Drum	2U	Megagram
19	Tank Truck	2V	Megagrams Per Hour
1A	Car Mile	2W	Bin
1B	Car Count	2X	Meters Per Minute
1C	Locomotive Count	2Y	Milliroentgen
1D	Caboose Count	2Z	Millivolts
1E	Empty Car	30	Horsepower Days/Air Dry Metric Tons
1F	Train Mile	31	Catchweight
1G	Fuel Usage (Gallons)	32	Kilograms per Air Dry Metric Tons
1H	Caboose Mile	33	Kilopascal Square Meters per Gram
1I	Fixed Rate	34	Kilopascals per Millimeter
1J	Ton Miles	35	Milliliters / Centimeter ² Second
1K	Locomotive Mile	36	Cubic Feet / Minute / Foot ²
1L	Total Car Count	37	Ounces per Square Foot
1M	Total Car Mile	38	Ounces per Square Foot / 0.01 Inch
1N	Count	39	Basis Points
1O	Season	3B	Megajoule
1P	Tank Car	3C	Manmonth
1Q	Frames	3E	Pounds Per Pound of Product
1R	Transactions	3F	Kilograms Per Liter of Product
1X	Quarter Mile	3G	Pounds Per Piece of Product
20	20 Foot Container	3H	Kilograms Per Kilogram of Product
21	40 Foot Container	3I	Kilograms Per Piece of Product
22	Deciliter per Gram	40	Milliliter per Second
23	Grams per Cubic Centimeter	41	Milliliter per Minute
24	Theoretical Pounds	43	Super Bulk Bag
25	Grams per Square Centimeter	44	500 Kilogram Bulk Bag
26	Actual Tons	45	300 Kilogram Bulk Bag
27	Theoretical Tons	46	25 Kilogram Bulk Bag

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47	50 Pound Bag	5Q	Seismic Line
48	Bulk Car Load	60	Percent Weight
4A	Bobbin	61	Parts Per Billion
4B	Cap	62	Percent Per 1000 Hours
4C	Centistokes	63	Failure Rate In Time
4D	Curie	64	Pounds Per Square Inch Gauge
4E	20-Pack	65	Coulomb
4F	100-Pack	66	Oersteds
4G	Microliter	67	Siemens
4H	Micrometer	68	Ampere
4I	Meters Per Second	69	Test Specific Scale
4J	Meters Per Second Per Second	70	Volt
4K	Milliamperes	71	Volt-Ampere Per Pound
4L	Megabyte	72	Watts Per Pound
4M	Milligrams Per Hour	73	Ampere Turn Per Centimeter
4N	Megabecquerel	74	Milli Pascals
4O	Microfarad	76	Gauss
4P	Newtons Per Meter	77	Mil
4Q	Ounce Inch	78	Kilogauss
4R	Ounce Foot	79	Electron Volt
4S	Pascal	80	Pounds Per Square Inch Absolute
4T	Picofarad	81	Henry
4U	Pounds Per Hour	82	Ohm
4V	Cubic Meter Per Hour	83	Farad
4W	Ton Per Hour	84	Kilo Pounds Per Square Inch (KSI)
4X	Kiloliter Per Hour	85	Foot Pounds
50	Actual Kilograms	86	Joules
51	Actual Tonnes	87	Pounds per Cubic Foot
52	Credits	89	Poise
53	Theoretical Kilograms	8C	Cord
54	Theoretical Tonnes	8D	Duty
56	Sitas	8P	Project
57	Mesh	8R	Program
58	Net Kilograms	8S	Session
59	Parts Per Million	8U	Square Kilometer
5A	Barrels per Minute	90	Saybold Universal Second
5B	Batch	91	Stokes
5C	Gallons per Thousand	92	Calories per Cubic Centimeter
5E	MMSCF/Day	93	Calories per Gram
5F	Pounds per Thousand	94	Curl Units
5G	Pump	95	20,000 Gallon Tankcar
5H	Stage	96	10,000 Gallon Tankcar
5I	Standard Cubic Foot	97	10 Kilogram Drum
5J	Hydraulic Horse Power	98	15 Kilogram Drum
5K	Count per Minute	99	Watt
5P	Seismic Level	A8	Dollars per Hours

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AA	Ball	BK	Book
AB	Bulk Pack	BL	Block
AC	Acre	BM	Bolt
AD	Bytes	BN	Bulk
AE	Amperes per Meter	BO	Bottle
AF	Centigram	BP	100 Board Feet
AG	Angstrom	BQ	Brake horse power
AH	Additional Minutes	BR	Barrel
AI	Average Minutes Per Call	BS	Basket
AJ	Cop	BT	Belt
AK	Fathom	BU	Bushel
AL	Access Lines	BV	Bushel, Dry Imperial
AM	Ampoule	BW	Base Weight
AN	Minutes or Messages	BX	Box
AO	Ampere-turn	BY	British Thermal Unit (BTU)
AP	Aluminum Pounds Only	BZ	Million BTU's
AQ	Anti-hemophilic Factor (AHF) Units	C0	Calls
AR	Suppository	C1	Composite Product Lbs
AS	Assortment	C2	Carset
AT	Atmosphere	C3	Centiliter
AU	Ocular Insert System	C4	Carload
AV	Capsule	C5	Cost
AW	Powder-Filled Vials	C6	Cell
AX	Twenty	C7	Centipoise (CPS)
AY	Assembly	C8	Cubic Decimeter
AZ	BTUs / Pound	C9	Coil Group
B0	BTUs / Cubic Foot	CA	Case
B1	Barrels per Day	CB	Carboy
B2	Bunks	CC	Cubic Centimeter
B3	Batting Pound	CD	Carat
B4	Barrel, Imperial	CE	Centigrade, Celsius
B5	Billet	CF	Cubic Feet
B6	Bun	CG	Card
B7	Cycles	CH	Container
B8	Board	CI	Cubic Inches
B9	Batt	CJ	Cone
BA	Bale	CK	Connector
BB	Base Box	CL	Cylinder
BC	Bucket	CM	Centimeter
BD	Bundle	CN	Can
BE	Beam	CO	Cubic Meters (Net)
BF	Board Feet	CP	Crate
BG	Bag	CQ	Cartridge
BH	Brush	CR	Cubic Meter
BI	Bar	CS	Cassette
BJ	Band	CT	Carton

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CU	Cup	ED	Inches, Decimal--Nominal
CV	Cover	EE	Employees
CW	Hundred Pounds (CWT)	EF	Inches, Fraction-Nominal
CX	Coil	EG	Double-time Hours
CY	Cubic Yard	EH	Knots
CZ	Combo	EJ	Locations
D2	Shares	EM	Inches, Decimal-Minimum
D3	Square Decimeter	EP	Eleven pack
D5	Kilogram Per Square Centimeter	EQ	Equivalent Gallons
D8	Draize Score	EV	Envelope
D9	Dyne per Square Centimeter	EX	Feet, Inches and Fraction
DA	Days	EY	Feet, Inches and Decimal
DB	Dry Pounds	EZ	Feet and Decimal
DC	Disk (Disc)	F1	Thousand Cubic Feet Per Day
DD	Degree	F2	International Unit
DE	Deal	F3	Equivalent
DF	Dram	F4	Minim
DG	Decigram	F5	MOL
DH	Miles	F6	Price Per Share
DI	Dispenser	F9	Fibers per Cubic Centimeter of Air
DJ	Decagram	FA	Fahrenheit
DK	Kilometers	FB	Fields
DL	Deciliter	FC	1000 Cubic Feet
DM	Decimeter	FD	Million Particles per Cubic Foot
DN	Deci Newton-Meter	FE	Track Foot
DO	Dollars, U.S.	FF	Hundred Cubic Meters
DP	Dozen Pair	FG	Transdermal Patch
DQ	Data Records	FH	Micromolar
DR	Drum	FJ	Sizing Factor
DS	Display	FK	Fibers
DT	Dry Ton	FL	Flake Ton
DU	Dyne	FM	Million Cubic Feet
DW	Calendar Days	FO	Fluid Ounce
DX	Dynes per Centimeter	FP	Pounds per Sq. Ft.
DY	Directory Books	FR	Feet Per Minute
DZ	Dozen	FS	Feet Per Second
E1	Hectometer	FT	Foot
E3	Inches, Fraction--Average	FZ	Fluid Ounce (Imperial)
E4	Inches, Fraction--Minimum	G2	U.S. Gallons Per Minute
E5	Inches, Fraction--Actual	G3	Imperial Gallons Per Minute
E7	Inches, Decimal--Average	G4	Gigabecquerel
E8	Inches, Decimal--Actual	G5	Gill (Imperial)
E9	English, (Feet, Inches)	G7	Microfiche Sheet
EA	Each	GA	Gallon
EB	Electronic Mail Boxes	GB	Gallons/Day
EC	Each per Month	GC	Grams per 100 Grams

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GD	Gross Barrels	HU	Hundred
GE	Pounds per Gallon	HV	Hundred Weight (Short)
GF	Grams per 100 Centimeters	HW	Hundred Weight (Long)
GG	Great Gross (Dozen Gross)	HY	Hundred Yards
GH	Half Gallon	HZ	Hertz
GI	Imperial Gallons	IA	Inch Pound
GJ	Grams per Milliliter	IB	Inches/Second (Vibration Velocity)
GK	Grams per Kilogram	IC	Counts per Inch
GL	Grams per Liter	IE	Person
GM	Grams per Sq. Meter	IF	Inches of Water
GN	Gross Gallons	IH	Inhaler
GO	Milligrams per Square Meter	II	Column-Inches
GP	Milligrams per Cubic Meter	IK	Peaks per Inch (PPI)
GQ	Micrograms per Cubic Meter	IL	Inches per Minute
GR	Gram	IM	Impressions
GS	Gross	IN	Inch
GT	Gross Kilogram	IP	Insurance Policy
GU	Gauss per Oersteds	IT	Counts per Centimeter
GV	Gigajoules	IU	Inches Per Second (Linear Speed)
GW	Gallons Per Thousand Cubic Feet	IV	Inches / Second / Second (Acceleration)
GX	Grain	IW	Inches / Second / Second (Vibration Acceleration)
GY	Gross Yard	J2	Joule Per Kilogram
GZ	Gage Systems	JA	Job
H1	Half Pages - Electronic	JB	Jumbo
H2	Half Liter	JE	Joule Per Kelvin
H4	Hectoliter	JG	Joule per Gram
HA	Hank	JK	Mega Joule per Kilogram
HB	Hundred Boxes	JM	Megajoule/Cubic Meter
HC	Hundred Count	JO	Joint
HD	Half Dozen	JR	Jar
HE	Hundredth of a Carat	JU	Jug
HF	Hundred Feet	K1	Kilowatt Demand
HG	Hectogram	K2	Kilovolt Amperes Reactive Demand
HH	Hundred Cubic Feet	K3	Kilovolt Amperes Reactive Hour
HI	Hundred Sheets	K4	Kilovolt Amperes
HJ	Horsepower	K5	Kilovolt Amperes Reactive
HK	Hundred Kilograms	K6	Kiloliter
HL	Hundred Feet - Linear	K7	Kilowatt
HM	Miles Per Hour	K9	Kilograms / Millimeter ² (KG/MM ²)
HN	Millimeters of Mercury	KA	Cake
HO	Hundred Troy Ounces	KB	Kilocharacters
HP	Millimeter H2O	KC	Kilograms per Cubic Meter
HQ	Hectare	KD	Kilograms Decimal
HR	Hours	KE	Keg
HS	Hundred Square Feet		
HT	Half Hour		

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KF	Kilopackets	M4	Monetary Value
KG	Kilogram	M5	Microcurie
KH	Kilowatt Hour	M6	Millibar
KI	Kilograms/Millimeter Width	M7	Micro Inch
KJ	Kilosegments	M8	Mega Pascals
KK	100 Kilograms	M9	Million BTUs / 1,000 Cubic Feet
KL	Kilograms/Meter	MA	Machine/Unit
KM	Kilograms / Meter ² , Kilograms, Decimal	MB	Millimeter-Nominal
KO	Millequivalence Caustic Potash per Gram of Product	MC	Microgram
KP	Kilometers Per Hour	MD	Air Dry Metric Ton
KQ	Kilopascal	ME	Milligram
KR	Kiloroentgen	MF	Milligram per Sq. Ft. per Side
KS	1000 Pounds per Square Inch	MG	Metric Gross Ton
KT	Kit	MH	Microns (Micrometers)
KU	Task	MI	Metric
KV	Kelvin	MJ	Minutes
KW	Kilograms per Millimeter	MK	Milligrams Per Square Inch
KX	Milliliters per Kilogram	ML	Milliliter
L2	Liters Per Minute	MM	Millimeter
LA	Pounds Per Cubic Inch	MN	Metric Net Ton
LB	Pound	MO	Months
LC	Linear Centimeter	MP	Metric Ton
LE	Lite	MQ	1000 Meters
LF	Linear Foot	MR	Meter
LG	Long Ton	MS	Square Millimeter
LH	Labor Hours	MT	Metric Long Ton
LI	Linear Inch	MU	Millicurie
LJ	Large Spray	MV	Number of Mults
LK	Link	MW	Metric Ton Kilograms
LL	Lifetime	MX	Mixed
LM	Linear Meter	MY	Millimeter-Average
LN	Length	MZ	Millimeter-minimum
LO	Lot	N1	Pen Calories
LP	Liquid Pounds	N2	Number of Lines
LQ	Liters Per Day	N3	Print Point
LR	Layer(s)	N4	Pen Grams (Protein)
LS	Lump Sum	N6	Megahertz
LT	Liter	N7	Parts
LX	Linear Yards Per Pound	N9	Cartridge Needle
LY	Linear Yard	NA	Milligrams per Kilogram
M0	Magnetic Tapes	NB	Barge
M1	Milligrams per Liter	NC	Car
M2	Millimeter-Actual	ND	Net Barrels
M3	Mat	NE	Net Liters
		NF	Messages
		NG	Net Gallons

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NH	Message Hours	PP	Plate
NI	Net Imperial Gallons	PQ	Pages per Inch
NJ	Number of Screens	PR	Pair
NL	Load	PS	Pounds per Sq. Inch
NM	Nautical Mile	PT	Pint
NN	Train	PU	Mass Pounds
NQ	Mho	PV	Half Pint
NR	Micro Mho	PW	Pounds per Inch of Width
NS	Short Ton	PX	Pint, Imperial
NT	Trailer	PY	Peck, Dry U.S.
NU	Newton-Meter	PZ	Peck, Dry Imperial
NV	Vehicle	Q1	Quarter (Time)
NW	Newton	Q2	Pint U.S. Dry
NX	Parts Per Thousand	Q3	Meal
NY	Pounds Per Air-Dry Metric Ton	Q4	Fifty
OA	Panel	Q5	Twenty-Five
OC	Billboard	Q6	Thirty-Six
ON	Ounces per Square Yard	Q7	Twenty-Four
OP	Two pack	QA	Pages - Facsimile
OT	Overtime Hours	QB	Pages - Hardcopy
OZ	Ounce - Av	QC	Channel
P0	Pages - Electronic	QD	Quarter Dozen
P1	Percent	QE	Photographs
P2	Pounds per Foot	QH	Quarter Hours
P3	Three pack	QK	Quarter Kilogram
P4	Four-pack	QR	Quire
P5	Five-pack	QS	Quart, Dry U.S.
P6	Six pack	QT	Quart
P7	Seven pack	QU	Quart, Imperial
P8	Eight-pack	R1	Pica
P9	Nine pack	R2	Becquerel
PA	Pail	R3	Revolutions Per Minute
PB	Pair Inches	R4	Calorie
PC	Piece	R5	Thousands of Dollars
PD	Pad	R6	Millions of Dollars
PE	Pounds Equivalent	R7	Billions of Dollars
PF	Pallet (Lift)	R8	Roentgen Equivalent in Man (REM)
PG	Pounds Gross	R9	Thousand Cubic Meters
PH	Pack (PAK)	RA	Rack
PI	Pitch	RB	Radian
PJ	Pounds, Decimal - Pounds / Ft ²	RC	Rod (area) - 16.25 Square Yards
PK	Package	RD	Rod (length) - 5.5 Yards
PL	Pallet/Unit Load	RE	Reel
PM	Pounds-Percentage	RG	Ring
PN	Pounds Net	RH	Running or Operating Hours
PO	Pounds per Inch of Length	RK	Roll-Metric Measure

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RL	Roll	T4	Thousand Bags
RM	Ream	T5	Thousand Casings
RN	Ream-Metric Measure	T6	Thousand Gallons
RO	Round	T7	Thousand Impressions
RP	Pounds per Ream	T8	Thousand Linear Inches
RS	Resets	T9	Thousand Kilowatt Hours
RT	Revenue Ton Miles	TA	Tenth Cubic Foot
RU	Run	TB	Tube
S1	Semester	TC	Truckload
S2	Trimester	TD	Therms
S3	Square Feet per Second	TE	Tote
S4	Square Meters per Second	TF	Ten Square Yards
S5	Sixty-fourths of an Inch	TG	Gross Ton
S6	Sessions	TH	Thousand
S7	Storage Units	TI	Thousand Square Inches
S8	Standard Advertising Units (SAUs)	TJ	Thousand Sq. Centimeters
S9	Slip Sheet	TK	Tank
SA	Sandwich	TL	Thousand Feet (Linear)
SB	Square Mile	TM	Thousand Feet (Board)
SC	Square Centimeter	TN	Net Ton (2,000 LB).
SD	Solid Pounds	TO	Troy Ounce
SE	Section	TP	Ten-pack
SF	Square Foot	TQ	Thousand Feet
SG	Segment	TR	Ten Square Feet
SH	Sheet	TS	Thousand Square Feet
SI	Square Inch	TT	Thousand Linear Meters
SJ	Sack	TU	Thousand Linear Yards
SK	Split Tanktruck	TV	Thousand Kilograms
SL	Sleeve	TW	Thousand Sheets
SM	Square Meter	TX	Troy Pound
SN	Square Rod	TY	Tray
SO	Spool	TZ	Thousand Cubic Feet
SP	Shelf Package	U1	Treatments
SQ	Square	U2	Tablet
SR	Strip	U3	Ten
SS	Sheet-Metric Measure	U5	Two Hundred Fifty
ST	Set	UA	Torr
SV	Skid	UB	Telecom. Lines in Service - Average
SW	Skein	UC	Telecommunications Ports
SX	Shipment	UD	Tenth Minutes
SY	Square Yard	UE	Tenth Hours
SZ	Syringe	UF	Usage per Telecom. Line - Average
T0	Telecom. Lines in Service	UH	Ten Thousand Yards
T1	Thousand pounds gross	UL	Unitless
T2	Thousandths of an Inch	UM	Million Units
T3	Thousand Pieces	UN	Unit

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UP	Troche	YD	Yard
UQ	Wafer	YL	100 Lineal Yards
UR	Application	YR	Years
US	Dosage Form	YT	Ten Yards
UT	Inhalation	Z1	Lift Van
UU	Lozenge	Z2	Chest
UV	Percent Topical Only	Z3	Cask
UW	Milliequivalent	Z4	Hogshead
UX	Dram (Minim)	Z5	Lug
UY	Fifty Square Feet	Z6	Conference Points
UZ	Fifty Count	Z8	Newspaper Agate Line
V1	Flat	ZA	Bimonthly
V2	Pouch	ZB	Biweekly
VA	Volt-ampere per Kilogram	ZC	Semiannual
VC	Five Hundred	ZP	Page
VI	Vial	ZZ	Mutually Defined
VP	Percent Volume		
VR	Volt-ampere-reactive		
VS	Visit		
W2	Wet Kilo		
WA	Watts per Kilogram		
WB	Wet Pound		
WD	Work Days		
WE	Wet Ton		
WG	Wine Gallon		
WH	Wheel		
WI	Weight per Square Inch		
WK	Week		
WM	Working Months		
WP	Pennyweight		
WR	Wrap		
WW	Milliliters of Water		
X1	Chains (Land Survey)		
X2	Bunch		
X3	Clove		
X4	Drop		
X5	Head		
X6	Heart		
X7	Leaf		
X8	Loaf		
X9	Portion		
XP	Base Box per Pound		
Y1	Slice		
Y2	Tablespoon		
Y3	Teaspoon		
Y4	Tub		