

# Supplier Content Development

**Background** The creation on the CUP (Catalog Update Package) is necessary to transact the Pantellos' MarketSite.

**Approach** Two templates, one containing catalog information and one with price information are processed into on CUP. The CUP is a collection of 21 Microsoft Access tables. The tables include information necessary to add, remove, or modify information associated the catalog offering.

**Solution/  
Position**

**Catalog File Template:**

The table below defines the minimum requirements that Pantellos needs to create a CUP and transact a purchase order through the MarketPlace.

If this information is not furnished, the refinement process will be delayed.

**Note:** In the tables shown below and on the following pages, the column "Type" refers the kind of data required in that column.

Data types may include:

- ?? C (character)
- ?? N (numeric)
- ?? I (integer)
- ?? CR (currency)
- ? Date (date), etc.

Requirements for Catalog Content			
REQUIRED CATALOG FIELDS			
Supplier files not containing these fields will be rejected.			
Column Heading	Type	Maximum Length	Description
<b>Product Identifiers</b>			
PartNum	C	50	Supplier's part number.
PartNumExt <b>Internal Pantellos use only</b>	C	50	This field is populated by Pantellos for internal tracking purposes.
UOM <b>EDIFACT standard only</b>	C	3	Unit of measure code. EDIFACT unit of measure in which this product is offered (e.g., OP = two pack; PK = package; and GRO = gross). Please see Appendix B, pages 9 - 21, for the listing of EDIFACT standard units of measure.
<b>Product Information</b>			
ShortDesc	C	254	A short, meaningful description of the product, including the brand or product name, and a noun identifying the product. This description is used primarily for text searches. <i>Though the application will support a longer description, the display is limited to 80 characters.</i> It is recommended that the product's Short Description be repeated at the start of the Long Description field to ensure the Buyer receives complete information.
<b>Language</b>			
Locale	C	2	Locale identifies the language in which the catalog is created. Refer to Appendix C, page 22, for the appropriate language code. Please note that the locale code must be written in <i>lower case</i> . If the locale is not provided, the catalog will default to English during processing.
<b>Incremental Files</b>			
ActionCode	C	1	Action codes are A = Add; M = Modify; and D = Delete. If the file submitted is an incremental (update) file, action codes are required. If the file is not incremental, this field may be skipped. <i>If ActionCode is not provided, it will default to A during processing. If this is a Modify CUP, the content will be returned for verification if no action codes are included.</i>

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The following table represents "Strongly Recommended Fields". This information will better inform the buyer of your offerings. These are optional.

Requirements for Catalog Content			
STRONGLY RECOMMENDED FIELDS			
<i>The following fields are strongly recommended, however the Supplier has the option of whether or not to provide them, based on the structure and content of their catalog.</i>			
Column Heading	Type	Maximum Length	Description
<b>Product Information</b>			
<i>Language Independent information:</i>			
TPShortName	C	10	This field is populated by Pantellos
MfrName	C	50	Name of the primary manufacturer of this product.
MfrPartNum	C	50	Part number assigned by the primary manufacturer.
MaterialGroup	C	50	The material group associated with this product. It is often Buyer-specific and has meaning to some ERP systems.
ListPrice	CR	15	The catalog retail or "public" price of an item. All items typically have a list price. <i>Price fields accept up to four (4) decimal places.</i>
TaxwareCommodityCode	C	25	The Taxware Commodity Code for this product. Taxware Commodity Code is used to compute taxes on the sale of a product.
LeadTime	N	15	The lead time, in days, for the shipment of this product.
<i>Language Specific Information:</i>			
LongDesc	C	Unlimited	An additional, marketing-oriented description that provides the customer with more extensive information about the product they wish to order. <i>Though the application will support a longer description, the display is limited to 2000 characters.</i> If a Long Description is not provided, Commerce One will populate the field with the Short Description.
<i>Attachments:</i>			
PicName	C	512	The name or location of a picture file for this product. If the Supplier sends picture files in an archive, then this field should contain the following: <code>./&lt;directory location&gt;/picturename.jpg</code> (or other picture format). <i>For example: ./office depot/eldontray.jpg.</i> If the Supplier is able to provide a web site link to the picture file, then it should be represented as follows: <code>http://www.officedepot.com/catalog/pics/eldontray.jpg</code> The URL must end with a valid picture file extension (i.e., jpg, gif or bmp).
OtherPurpose1	C	50	The purpose of this attachment (i.e., drawing, brochure, MSDS, etc.).
OtherLocation1	C	512	The location of this attachment. Typically a URL (web site) address. If a URL is used, the complete address must be included. For example: <a href="http://www.commerceone.net/docs/suppliers.valueprop.pdf">http://www.commerceone.net/docs/suppliers.valueprop.pdf</a> . See page 3 of this document for a description for attachment files accepted.
OtherPurpose2	C	50	The purpose of this attachment (i.e., drawing, brochure, MSDS, etc.).
OtherLocation2	C	512	The location of this attachment. Typically a URL (web site) address. If a URL is used, the complete address must be included. For example: <a href="http://www.commerceone.net/docs/suppliers.contentmgmt.pdf">http://www.commerceone.net/docs/suppliers.contentmgmt.pdf</a> . See page 3 of this document for a description for attachment files accepted.
<i>Note: In the case of "Buyer-required" attachments, a type-specific Purpose and Location can be provided (e.g., MSDSPurpose and MSDSLocation).</i>			
<b>Categorization</b>			
CatName	C	30	Pantellos' default categorization for Supplier products is UNSPSC. If a Supplier has already categorized their file, it is requested that they provide the schema name (i.e., UNSPSC; Supplier's own name; or other categorization name).
CatVersion	C	30	Version name or number of the categorization schema used.
CatCode	C	30	The code for this product, based on the categorization schema named above. If not UN/SPSC, then corresponding fields from CatLevel 1 through CatLevel6 are required for each product. (Some categorization schema may not require all six CatLevel fields.)

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### Price File Template:

As with the "Catalog File Template", there are minimum field requirements to create a CUP. The table below breaks price file content into sections, and describes the correct information needed for each field. It also provides guidelines on data type (e.g., character, number, etc.) and the maximum field length supported. Suppliers may 'skip over' those fields that do not apply to their pricing structure. **Required fields are grouped together within this first section of the table.**

Requirements for Price File Content			
REQUIRED PRICE FIELDS			
<i>Supplier files not containing these fields will be rejected.</i>			
Column Heading	Type	Maximum Length	Description
<b>Product Identifier s</b>			
PartNum	C	50	Supplier part number.
PartNumExt <b>Internal Pantellos use only</b>	C	50	This field is populated by Pantellos for internal tracking purposes.
UOM <b>EDIFACT standard only</b>	C	3	Unit of measure code. EDIFACT unit of measure in which this product is offered (e.g., OP = twopack; PK = package; and GRO = gross). <i>Please see Appendix B, pages 9 - 21, for the listing of EDIFACT standard units of measure..</i>
<b>Unit Pricing</b>			
<i>At least one pricing field must be provided.</i>			
CostPrice	CR	15	The cost to manufacture or acquire an item. Price fields accept up to four (4) decimal places.
ContractPrice	CR	15	A special, negotiated price based on an agreement with an individual or group of customers. <i>Price fields accept up to four (4) decimal places.</i>
<b>Currency Identifiers</b>			
CurrencyCode	C	3	The currency code for the country in which this product is to be sold. Please refer supporting information, for a list of Valid Currency Codes. <i>If a Currency Code is not provided, this field will default to USD (U.S. Dollars) during processing. Please see Appendix A pages 6-8.</i>
<b>Incremental Files</b>			
ActionCode	C	1	Action codes are A = Add; M = Modify; and D = Delete. If the file submitted is an incremental (update) file, action codes are required. If the file is not incremental, this field may be skipped. <i>If ActionCode is not provided, it will default to A during processing. If this is a Modify CUP, the content will be returned for verification if no action codes are included.</i>

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The following table represents "Strongly Recommended Fields". This information will better inform the buyer of your offerings. These are optional.

<b>Requirements for Price File Content</b>			
<b>STRONGLY RECOMMENDED FIELDS</b>			
<i>The following fields are strongly recommended, however the Supplier has the option of whether or not to provide them, based on the structure and content of their catalog.</i>			
<b>Column Heading</b>	<b>Type</b>	<b>Maximum Length</b>	<b>Description</b>
<b>Product Information</b>			
TPShortName	C	15	This field is populated by Pantellos
BuyerPartNum	C	50	Part number assigned by the Buyer for their unique catalog.
<b>Pricing Timeframes</b>			
<i>Timeframes are used to designate a start and end date/time for the price shown. If your pricing schema does not use effective dates, then this section may be skipped. If your schema applies effective dates, then both fields are required.</i>			
EffectiveDate	C	8	The date that the price shown for this item becomes effective. Date must be expressed as YYYYMMDD.
ExpireDate	C	8	The date that the price shown for this item expires. Date must be expressed as YYYYMMDD.
<b>Pricing Comments</b>			
<i>The fields shown below are "comment" fields. They are not used to calculate price, but to show the customer how the contract price was developed.</i>			
PricingType	I	2	<p>PricingType defines how the PriceModifier is applied to determine the Contract Price for an item. Values are the number codes shown at the left of the list of values below. Values include:</p> <p>0: Fixed Price – The price modifier is the actual fixed price for the item.</p> <p>1: Cost Plus Fixed Amount – The price modifier is added to the cost price of the item.</p> <p>2: Cost Plus Percentage – The Price Modifier is a percentage to be added to the Cost Price of the item.</p> <p>3: Discount Fixed From List – The Price Modifier is a fixed amount to be deducted from the ListPrice of the item.</p> <p>4: Discount Percentage From List – The Price Modifier a percentage to deduct from the List Price of the item.</p> <p>5: No Cost – The Price Modifier is ignored, and the price is zero (0).</p> <p>11: PriceModifier is the ListPrice – This should be used for every price in a List Price catalog, and only for prices in a List Price catalog.</p> <p>12: PriceModifier is the CostPrice – This should be used for every price in a Cost Price catalog, and only for prices in a Cost Price catalog.</p> <p>Note: The combination of PricingType and Price Modifier might look like the following: CostPlus15Percent. In the case of Fixed Price or No Cost a price modifier would not be required.</p>
PriceModifier	C	15	A numeric value, to be used as determined by the PricingType field (i.e., 10, 15, 65, etc.). This field is used only if the Pricing Type above is designated as 1, 2, 3 or 4. <i>Note: If using Excel, format the cell to Text; if using Access, the field must be formatted for "float."</i>

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**Next Steps** Download the Raw Content templates from the Pantellos MarketPlace.  
Submit Raw Content to Portfolio Manager/Development Manager to Process

Continue to visit Pantellos' MarketPlace for additional information on content.

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### Appendix – A Country/Currency Codes

Country	Currency Code	Country	Currency Code
Custom Code	Other	Colombian Peso	COP
Afghani	AFA	Comoran Franc	KMF
Algerian Dinar	DZD	Costa Rican Colon	CRC
Andorran Franc	ADF	Czech Koruna	CZK
Andorran Peseta	ADP	Danish Krone	DKK
Argentine Peso	ARP	Deutsche Mark	DEM
Argentine Peso	ARS	Dinar	BAD
Argentinian Austral	ARA	Djibouti Franc	DJF
Armenian Dram	AMD	Dominican Peso	DOP
Aruban Florin	AWF	East Caribbean Dollar	XCD
Australian Dollar	AUD	Ecuador Sucre	ECS
Austrian Schilling	ATS	Egyptian Pound	EGP
Azerbaijani Manat	AZM	El Salvador Colon	SVC
Bahamian Dollar	BSD	Eritrea Nakfa	ERN
Bahraini Dinar	BHD	Estonia Kroon	EEK
Bangladeshi Taka	BDT	Ethiopian Birr	ETB
Barbados Dollar	BBD	Euro	EUR
Belarussian Ruble	BYB	European Currency Unit (E.C.U.)	XEU
Belgian Franc	BEF	Falkland Islands Pound	FKP
Belize Dollar	BZD	Fiji Dollar	FJD
Bermudian Dollar	BMD	Financial Rand	ZAL
Bhutanese Ngultrum	BTN	Finnish Markka	FIM
Boliviano	BOB	French Franc	FRF
Bosnia and Herzegovina Convertible Mark	BAK	Gambian Dalasi	GMD
Botswana Pula	BWP	Georgian Lari	GEL
Brazilian Real	BRL	Ghanaian Cedi	GHC
Brunei Dollar	BND	Gibraltar Pound	GIP
Bulgarian Lev	BGL	Gold	XAU
Burundi Franc	BIF	Greek Drachma	GRD
Cambodian Riel	KHR	Guatemalan Quetzal	GTQ
Canadian Dollar	CAD	Guinea Franc	GNF
Cape Verde Escudo	CVE	Guinea-Bissau Peso	GWP
Cayman Is. Dollar	KYD	Guyan Dollar	GYD
CFA Franc BCEAO	XOF	Haitian Gourde	HTG
CFA Franc BEAC	XAF	Honduran Lempira	HNL
CFP Franc	XPF	Hong Kong Dollar	HKD
Chilean Peso	CLP	Hungarian Forint	HUF
Chilean Unidades de Formento	CLF	Iceland Krona	ISK
Chinese Yuan Renminbi	CNY	Indian Rupee	INR
Croatian Kuna	HRK	Indonesian Rupiah	IDR
Cuban Peso	CUP	Iranian Airline Rate	IRA
Cyprus Pound	CYP	Iranian Rial	IRR

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Country	Currency Code	Country	Currency Code
Iraqi Dinar	IQD	Norwegian Krone	NOK
Irish Punt	IEP	Pakistan Rupee	PKR
Israeli New Shekel	ILS	Panamanian Balboa	PAB
Italian Lira	ITL	Papua New Guinea Kina	PGK
Jamaican Dollar	JMD	Paraguay Guarani	PYG
Japanese Yen	JPY	Peruvian Nuevo Sol	PEN
Jordanian Dinar	JOD	Philippine Peso	PHP
Kazakhstan Tenge	KZT	Polish New Zloty	PLN
Kenyan Schilling	KES	Polish Zloty	PLZ
Kuwaiti Dinar	KWD	Portuguese Escudo	PTE
Kwanza Reajustado	AOR	Pound Sterling	GBP
Kyrgyzstani Som	KGS	Qatari Rial	QAR
Lao Kip	LAK	Rial Omani	OMR
Latvian Lats	LVL	Romanian Leu	ROL
Lebanese Pound	LBP	Russian Ruble	RUR
Lek	ALL	Rwanda Franc	RWF
Lesotho Loti	LSL	Samoan Tala	WST
Liberian Dollar	LRD	Sao Tome and Principe Dobra	STD
Libyan Dinar	LYD	Saudi Riyal	SAR
Lithuanian Litas	LTL	Seborga Luigino	SBL
Luxembourg Franc	LUF	Seychelles Rupee	SCR
Macau Pataca	MOP	Sierra Leone Leone	SLL
Macedonian Denar	MKD	Singapore Dollar	SGD
Malagasy Franc	MGF	Slovak Koruna	SKK
Malawi Kwacha	MWK	Slovenian Tolar	SIT
Malaysian Ringgit	MYR	Solomon Islands Dollar	SBD
Maldives Rufiyaa	MVR	Somali Shilling	SOS
Maltese Lira	MTL	South African Rand	ZAR
Mauritanian Ouguiya	MRO	South Korean Won	KRW
Mauritius Rupee	MUR	Spanish Peseta	ESP
Mexican Nuevo Peso	MXN	Sri Lanka Rupee	LKR
Moldovan Leu	MDL	St. Helena Pound	SHP
Mongolian Tugrik	MNT	Sudan Airline Rate	SDA
Moroccan Dirham	MAD	Sudanese Dinar	SDD
Mozambique Metical	MZM	Sudanese Pound	SDP
MVDol	BOV	Surinam Guilder	SRG
Myanmar Kyat	MMK	Swaziland Lilangeni	SZL
Namibian Dollar	NAD	Swedish Krona	SEK
Nepalese Rupee	NPR	Swiss Franc	CHF
Netherlands Antillean Guilder	ANG	Syrian Pound	SYP
Netherlands Antillean Guilder	AWG	Tajik Ruble	TJR
Netherlands Guilder	NLG	Tanzanian Shilling	TZS
New Kwanza	AON	Thai Baht	THB
New Taiwan Dollar	TWD	Timor Escudo	TPE
New Zaire	ZRN	Tongan Pa'anga	TOP
New Zealand Dollar	NZD	Trinidad and Tobago Dollar	TTD

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Country	Currency Code	Country	Currency Code
Nicaraguan Cordoba Oro	NIO	Tunisian Dinar	TND
Nigerian Naira	NGN	Turkish Lira	TRL
North Korean Won	KPW	Turkmen Manat	TMM
U.S. Dollar	USD		
UAE Dirham	AED		
Uganda Shilling	UGX		
Ukrainian Hryvnia	UAH		
Unidad de Valor Constante	ECV		
Uruguayan Peso	UYU		
US Dollar (Next day)	USN		
Uzbekistan Sum	UZS		
Vanuatu Vatu	VUV		
Venezuelan Bolivar	VEB		
Vietnamese Dong	VND		
Yemeni Rial	YER		
Yugoslavian New Dinar	YUN		
Zambian Kwacha	ZMK		
Zimbabwe Dollar	ZWD		

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### Appendix – B EDIFACT Units of Measure

The unit-of-measure code list is UN/ECE Recommendation 20, common code, as specified by UN/EDIFACT (D.99B) for element 6411, measurement unit code. The UN/CEFACT (UN/ECE) web site can be found at <http://www.unece.org/cefact/>. Follow the link/button labeled "Code Lists."

UOMCode	Description	UOMCode	Description
Other	Indicates that the UOM is not defined in the code set and should be processed using additional information supplied in the referencing data structure		
05	lift	2M	centimetre per second
06	small spray	2N	decibel
08	heat lot	2P	kilobyte
10	group	2Q	kilobecquerel
11	outfit	2R	kilocurie
13	ration	2U	megagram
14	shot	2V	megagram per hour
15	stick	2W	bin
16	hundred fifteen kg drum	2X	metre per minute
17	hundred lb. drum	2Y	milliröntgen
18	fifty-five gallon (US) drum	2Z	millivolt
19	tank truck	30	horse power day per air dry metric ton
1A	car mile	31	catch weight
1B	car count	32	kilogram per air dry metric ton
1C	locomotive count	33	kilopascal square metres per gram
1D	caboose count	34	kilopascals per millimetre
1E	empty car	35	millilitres per square centimetre second
1F	train mile	36	cubic feet per minute per square foot
1G	fuel usage gallon (US)	37	ounce per square foot
1H	caboose mile	38	ounces per square foot per 0,01 inch
1I	fixed rate	3B	megajoule
1J	ton mile	3C	manmonth
1K	locomotive mile	3E	pound per pound of product
1L	total car count	3G	pound per piece of product
1M	total car mile	3H	kilogram per kilogram of product
1X	quarter mile	3I	kilogram per piece of product
20	twenty foot container	40	millilitre per second
21	forty foot container	41	millilitre per minute
22	decilitre per gram	43	super bulk bag
23	gram per cubic centimetre	44	fivehundred kg bulk bag
24	theoretical pound	45	threehundred kg bulk bag
25	gram per square centimetre	46	fifty lb bulk bag
26	actual ton	47	fifty lb bag
27	theoretical ton	48	bulk car load
28	kilogram per square metre	4A	bobbin
29	pound per thousand square feet	4B	cap
2A	radian per second	4C	centistokes
2B	radian per second squared	4E	twenty pack
2C	röntgen	4G	microlitre
2I	British thermal unit per hour	4H	micrometre (micron)
2J	cubic centimetre per second	4K	milliampere
2K	cubic foot per hour	4L	megabyte
2L	cubic foot per minute	4M	milligram per hour

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UOMCode	Description	UOMCode	Description
4N	megabecquerel	90	Saybold universal second
4O	microfarad	91	stokes
4P	newton per metre	92	calorie per cubic centimetre
4Q	ounce inch	93	calorie per gram
4R	ounce foot	94	curl unit
4T	picofarad	95	twenty thousand gallon (US) tankcar
4U	pound per hour	96	ten thousand gallon (US) tankcar
4W	ton(US) per hour	97	ten kg drum
4X	kilolitre per hour	98	fifteen kg drum
53	theoretical kilograms	A1	15 degrees C calorie
54	theoretical tonne	A10	ampere square metre per joule second
56	sitas	A11	ångström
57	mesh	A12	astronomical unit
58	net kilogram	A13	attojoule
59	part per million	A14	barn
5A	barrel per minute	A15	barn per electron volt
5B	batch	A16	barn per steradian electron volt,
5C	gallon(US) per thousand	A17	barn per steradian
5E	MMSCF/day	A18	becquerel per kilogram
5F	pounds per thousand	A19	becquerel per metre cubed
5G	pump	A2	ampere per centimetre
5H	stage	A20	British thermal unit per second square foot degree Rankin
5I	standard cubic foot	A21	British thermal unit per pound degree Rankin
5J	hydraulic horse power	A22	British thermal unit per second foot degree Rankin
5K	count per minute	A23	British thermal unit per hour square foot degree Rankin
5P	seismic level	A24	candela per square metre
5Q	seismic line	A25	cheval vapeur
60	percent weight	A26	coulomb metre
61	part per billion (US)	A27	coulomb metre squared per volt
62	percent per 1000 hour	A28	coulomb per cubic centimetre
63	failure rate in time	A29	coulomb per cubic metre
64	pound per square inch, gauge	A3	ampere per millimetre
66	oersted	A30	coulomb per cubic millimetre
69	test specific scale	A31	coulomb per kilogram second
71	volt ampere per pound	A32	coulomb per mole
72	watt per pound	A33	coulomb per square centimetre
73	ampere tum per centimetre	A34	coulomb per square metre
74	millipascal	A35	coulomb per square millimetre
76	gauss	A36	cubic centimetre per mole
77	milli-inch	A33	coulomb per square centimetre
78	kilogauss	A34	coulomb per square metre
80	pounds per square inch absolute	A35	coulomb per square millimetre
81	henry	A36	cubic centimetre per mole
84	kilopound per square inch	A37	cubic decimetre per mole
85	foot pound-force	A38	cubic metre per coulomb
87	pound per cubic foot	A39	cubic metre per kilogram
89	poise	A4	ampere per square centimetre

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UOMCode	Description	UOMCode	Description
4N	megabecquerel	90	Saybold universal second
4O	microfarad	91	stokes
4P	newton per metre	92	calorie per cubic centimetre
4Q	ounce inch	93	calorie per gram
4R	ounce foot	94	curl unit
4T	picofarad	95	twenty thousand gallon (US) tankcar
4U	pound per hour	96	ten thousand gallon (US) tankcar
4W	ton(US) per hour	97	ten kg drum
4X	kilolitre per hour	98	fifteen kg drum
53	theoretical kilograms	A1	15 degrees C calorie
54	theoretical tonne	A10	ampere square metre per joule second
56	sitas	A11	ångström
57	mesh	A12	astronomical unit
58	net kilogram	A13	attojoule
59	part per million	A14	barn
5A	barrel per minute	A15	barn per electron volt
5B	batch	A16	barn per steradian electron volt,
5C	gallon(US) per thousand	A17	barn per steradian
5E	MMSCF/day	A18	becquerel per kilogram
5F	pounds per thousand	A19	becquerel per metre cubed
5G	pump	A2	ampere per centimetre
5H	stage	A20	British thermal unit per second square foot degree Rankin
5I	standard cubic foot	A21	British thermal unit per pound degree Rankin
5J	hydraulic horse power	A22	British thermal unit per second foot degree Rankin
5K	count per minute	A23	British thermal unit per hour square foot degree Rankin
5P	seismic level	A24	candela per square metre
5Q	seismic line	A25	cheval vapeur
60	percent weight	A26	coulomb metre
61	part per billion (US)	A27	coulomb metre squared per volt
62	percent per 1000 hour	A28	coulomb per cubic centimetre
63	failure rate in time	A29	coulomb per cubic metre
64	pound per square inch, gauge	A3	ampere per millimetre
66	oersted	A30	coulomb per cubic millimetre
69	test specific scale	A31	coulomb per kilogram second
71	volt ampere per pound	A32	coulomb per mole
72	watt per pound	A33	coulomb per square centimetre
73	ampere tum per centimetre	A34	coulomb per square metre
74	millipascal	A35	coulomb per square millimetre
76	gauss	A36	cubic centimetre per mole
77	milli-inch	A33	coulomb per square centimetre
78	kilogauss	A34	coulomb per square metre
80	pounds per square inch absolute	A35	coulomb per square millimetre
81	henry	A36	cubic centimetre per mole
84	kilopound per square inch	A37	cubic decimetre per mole
85	foot pound-force	A38	cubic metre per coulomb
87	pound per cubic foot	A39	cubic metre per kilogram
89	poise	A4	ampere per square centimetre

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UOMCode	Description	UOMCode	Description
A40	cubic metre per mole	A88	gigaohm metre
A41	ampere per square metre	A89	gigapascal
A42	curie per kilogram	A9	rate
A43	deadweight tonnage	A90	gigawatt
A44	decalitre	A91	gon
A45	decametre	A93	gram per cubic metre
A47	decitex	A94	gram per mole
A48	degree Rankin	A95	gray
A49	denier	A96	gray per second
A5	ampere square metre	A97	hectopascal
A50	dyn second per cubic centimetre	A98	henry per metre
A51	dyne second per centimetre	AA	ball
A52	dyne second per centimetre to the fifth	AB	bulk pack
A53	electronvolt	ACR	acre
A54	electronvolt per metre	AD	byte
A55	electron volt square metre	AE	ampere per metre
A56	electronvolt square metre per kilogram	AH	additional minute
A57	erg	AI	average minute per call
A58	erg per centimetre	AJ	cop
A6	ampere per square metre kelvin squared	AK	fathom
A60	erg per cubic centimetre	AL	access line
A61	erg per gram	AM	ampoule
A62	erg per gram second	AMH	ampere hour
A63	erg per second	AMP	ampere
A64	erg per second square centimetre	ANN	year
A65	erg per square centimetre second	AP	aluminium pound only
A66	erg square centimetre	APZ	troy ounce or apothecaries' ounce
A67	erg square centimetre per gram	AQ	anti-hemophilic factor (AHF) unit
A68	exajoule	AR	suppository
A69	farad per metre	ARE	are
A7	ampere per square millimetre	AS	assortment
A70	femtojoule	ASM	alcoholic strength by mass
A71	femtometre	ASU	alcoholic strength by volume
A73	foot per second squared	AMP	ampere
A74	foot pound-force per second	ANN	year
A75	freight ton	AP	aluminium pound only
A76	gal	APZ	troy ounce or apothecaries' ounce
A77	Gaussian CGS unit of displacement	AQ	anti-hemophilic factor (AHF) unit
A78	Gaussian CGS unit of electric current	AR	suppository
A79	Gaussian CGS unit of electric charge	ATM	standard atmosphere
A8	ampere second	ATT	technical atmosphere
A80	Gaussian CGS unit of electric field strength	AV	capsule
A81	Gaussian CGS unit of electric polarization	AW	powder filled vial
A82	Gaussian CGS unit of electric potential	AY	assembly
A83	Gaussian CGS unit of magnetization	AZ	British thermal unit per pound
A84	gigacoulomb per cubic metre	B0	Btu per cubic foot
A85	gigaelectronvolt	B1	barrel (US) per day
A86	gigahertz	B11	joule per kilogram kelvin
A87	gigaohm	B12	joule per metre

## Supplier Content Development

UOMCode	Description	UOMCode	Description
B13	joule per square metre	B55	kilovolt per metre
B14	joule per metre to the fourth power	B56	kiloweber per metre
B15	joule per mole	B57	light year
B16	joule per mole kelvin	B58	litre per mole
B18	joule second	B59	lumen hour
B2	bunk	B6	bun
B20	joule square metre per kilogram	B60	lumen per square metre
B21	kelvin per watt	B61	lumen per watt
B22	kiloampere	B62	lumen second
B23	kiloampere per square metre	B63	lux hour
B24	kiloampere per metre	B64	lux second
B25	kilobecquerel per kilogram	B65	maxwell
B26	kilocoulomb	B66	megaampere per square metre
B27	kilocoulomb per cubic metre	B67	megabecquerel per kilogram
B28	kilocoulomb per square metre	B69	megacoulomb per cubic metre
B29	kiloelectronvolt	B7	cycle
B3	batting pound	B70	megacoulomb per square metre
B31	kilogram metre per second	B71	megaelectronvolt
B32	kilogram metre squared	B72	megagram per cubic metre
B33	kilogram metre squared per second	B73	meganewton
B34	kilogram per cubic decimetre	B74	meganewton metre
B35	kilogram per litre	B75	megaohm
B36	thermochemical calorie per gram	B76	megaohm metre
B37	kilogram-force	B77	megasiemens per metre
B38	kilogram-force metre	B78	megavolt
B39	kilogram-force metre per second	B79	megavolt per metre
B4	barrel, imperial	B8	joule per cubic metre
B40	kilogram-force per square metre	B81	reciprocal metre squared reciprocal second
B41	kilojoule per kelvin	B83	metre to the fourth power
B42	kilojoule per kilogram	B84	microampere
B43	kilojoule per kilogram kelvin	B85	microbar
B44	kilojoule per mole	B86	microcoulomb
B45	kilomole	B87	microcoulomb per cubic metre
B46	kilomole per cubic metre	B77	megasiemens per metre
B47	kilonewton	B78	megavolt
B48	kilonewton metre	B79	megavolt per metre
B49	kiloohm	B8	joule per cubic metre
B5	billet	B81	reciprocal metre squared reciprocal second
B50	kiloohm metre	B83	metre to the fourth power
B51	kilopond	B88	microcoulomb per square metre
B52	kilosecond	B89	microfarad per metre
B53	kilosiemens	B9	batt
B54	kilosiemens per metre	B90	microhenry
B55	kilovolt per metre	B91	microhenry per metre
B56	kiloweber per metre	B92	micronewton
B57	light year	B93	micronewton metre
B58	litre per mole	B94	microohm
B59	lumen hour	B95	microohm metre
B6	bun	B96	micropascal

## Supplier Content Development

UOMCode	Description	UOMCode	Description
B97	microradian	C23	milliohm metre
B98	microsecond	C24	millipascal second
B99	microsiemens	C25	milliradian
BAR	bar	C26	millisecond
BB	base box	C27	millisiemens
BD	board	C28	millisievert
BE	bundle	C29	millitesla
BFT	board foot	C3	microvolt per metre
BG	bag	C30	millivolt per metre
BH	brush	C31	milliwatt
BHP	brake horse power	C32	milliwatt per square metre
BIL	billion (EUR) or trillion (US)	C33	milliweber
BJ	bucket	C34	mole
BK	basket	C35	mole per cubic decimetre
BL	bale	C36	mole per cubic metre
BLD	dry barrel (US)	C38	mole per litre
BLL	barrel (US) (petroleum etc.)	C39	nanoampere
BO	bottle	C4	carload
BP	hundred board feet	C40	nanocoulomb
BQL	becquerel	C41	nanofarad
BR	bar	C42	nanofarad per metre
BT	bolt	C43	nanohenry
BTU	British thermal unit	C44	nanohenry per metre
BUA	bushel (US)	C45	nanometre
BUI	bushel (UK)	C46	nanoohm metre
BW	base weight	C47	nanosecond
BX	box	C48	nanotesla
BZ	million BTUs	C49	nanowatt
C0	call	C5	cost
C1	composite product pound (total weight)	C50	neper
C10	millifarad	C51	neper per second
C11	milligal	C52	picometre
C12	milligram per metre	C53	newton metre second
C13	milligray	C45	nanometre
C14	millihenry	C46	nanoohm metre
C15	millijoule	C47	nanosecond
C16	millimetre per second	C48	nanotesla
C17	millimetre squared per second	C49	nanowatt
C18	millimole	C5	cost
C19	mole per kilogram	C50	neper
C2	carat	C54	newton metre squared kilogram squared
C20	millinewton	C55	newton per square metre
C22	millinewton per metre	C56	newton per square millimetre
C23	milliohm metre	C57	newton second
C24	millipascal second	C58	newton second per metre
C25	milliradian	C59	octave
C26	millisecond	C6	cell
C27	millisiemens	C60	ohm centimetre
C28	millisievert	C61	ohm metre
C23	milliohm metre	C62	piece

## Supplier Content Development

UOMCode	Description	UOMCode	Description
C63	parsec	CKG	coulomb per kilogram
C64	pascal per kelvin	CL	coil
C65	pascal second	CLF	hundred leave
C66	pascal second per cubic metre	CLT	centilitre
C67	pascal second per metre	CMK	square centimetre
C68	petajoule	CMQ	cubic centimetre
C69	phon	CMT	centimetre
C7	centipoise	CNP	hundred pack
C70	picoampere	CNT	cental (UK)
C71	picocoulomb	CO	carboy
C72	picofarad per metre	COU	coulomb
C73	picohenry	CQ	cartridge
C75	picowatt	CR	crate
C76	picowatt per square metre	CS	case
C77	pound gage	CT	carton
C78	pound-force	CTM	metric carat
C8	millicoulomb per kilogram	CU	cup
C80	rad	CUR	curie
C81	radian	CV	cover
C82	radian meter squared per mole	CWA	hundred pounds (cwt)/hundred weight (US)
C83	radian metre squared per kilogram	CWI	hundred weight (UK)
C84	radian per metre	CY	cylinder
C85	reciprocal ångström	CZ	combo
C86	reciprocal cubic metre	D1	reciprocal second per steradian
C87	reciprocal cubic metre per second	D10	siemens per metre
C88	reciprocal electron volt per cubic metre	D12	siemens square metre per mole
C89	reciprocal henry	D13	sievert
C9	coil group	D14	thousand lin ear yard
C90	reciprocal joule per cubic metre	D15	stone
C91	reciprocal kelvin or kelvin to the power minus one	D16	square centimetre per erg
C92	reciprocal metre	D17	square centimetre per steradian erg
C93	reciprocal square metre	D18	metre kelvin
C94	reciprocal minute	D19	square metre kelvin per watt
C95	reciprocal mole	D2	reciprocal second per steradian metre squared
C96	reciprocal pascal or pascal to the power minus one	D20	square metre per joule
C97	reciprocal second	D21	square metre per kilogram
C98	reciprocal second per cubic metre	D22	square metre per mole
C99	reciprocal second per metre squared	D23	pen gram (protein)
CA	can	D24	square metre per steradian
CCT	carrying capacity in metric ton	D25	square metre per steradian joule
CDL	candela	D26	square metre per volt second
CEL	degree Celsius	D27	steradian
CEN	hundred	D28	syphon
CG	card	D29	terahertz
CGM	centigram	D30	terajoule
CH	container	D31	terawatt
CJ	cone	D32	terawatt hour
CK	connector	D33	tesla

## Supplier Content Development

UOMCode	Description	UOMCode	Description
D34	tex	D80	microwatt
D35	thermochemical calorie	D81	microtesla
D37	thermochemical calorie per gram kelvin	D82	microvolt
D38	thermochemical calorie per second centimetre kelvin	D83	millinewton metre
D39	thermochemical calorie per second square centimetre kelvin	D85	microwatt per square metre
D40	thousand litre	D86	millicoulomb
D41	tonne per cubic metre	D87	millimole per kilogram
D42	tropical year	D88	millicoulomb per cubic metre
D43	unified atomic mass unit	D89	millicoulomb per square metre
D44	var	D9	dyne per square centimetre
D45	volt squared per kelvin squared	D90	cubic metre (net)
D46	volt - ampere	D91	rem
D47	volt per centimetre	D92	band
D48	volt per kelvin	D93	second per cubic metre
D49	millivolt per kelvin	D94	second per radian cubic metre
D5	kilogram per square centimeter	D95	joule per gram
D50	volt per metre	D96	pound gross
D51	volt per millimetre	D97	pallet/unit load
D52	watt per kelvin	D98	mass pound
D53	watt per metre kelvin	D99	sleeve
D54	watt per square metre	DAA	decare
D55	watt per square metre kelvin	DAD	ten day
D56	watt per square metre kelvin to the fourth power	DAY	day
D57	watt per steradian	DB	dry pound
D58	watt per steradian square metre	DC	disk (disc)
D59	weber per metre	DD	degree
D6	röntgen per second	DE	deal
D60	weber per millimetre	DEC	decade
D61	minute	DG	decigram
D63	book	DI	dispenser
D64	block	DJ	decagram
D65	round	DLT	decilitre
D66	cassette	DMK	square decimetre
D67	dollar per hour	DMQ	cubic decimetre
D69	inch to the fourth power	DMT	decimetre
D7	sandwich	DN	decinewton metre
D70	International Table (IT) calorie	DPC	dozen piece
D71	International Table (IT) calorie per second centimetre kelvin	DPR	dozen pair
D72	International Table (IT) calorie per second square centimetre kelvin	DPT	displacement tonnage
D73	joule square metre	DQ	data record
D74	kilogram per mole	DPR	dozen pair
D75	International Table (IT) calorie per gram	DPT	displacement tonnage
D76	International Table (IT) calorie per gram kelvin	DQ	data record
D77	megacoulomb	DR	drum
D79	beam	DRA	dram (US)
D8	draize score	DRI	dram (UK)

## Supplier Content Development

UOMCode	Description	UOMCode	Description
DR	drum	G7	microfiche sheet
DRA	dram (US)	GB	gallon (US) per day
DRI	dram (UK)	GBQ	gigabecquerel
DRL	dozen roll	GC	gram per 100 gram
DRM	drachm (UK)	GD	gross barrel
DS	display	GE	pound per gallon (US)
DT	dry ton	GF	gram per metre (gram per 100 centimetres)
DTN	decitonne	GFI	gram of fissile isotope
DU	dyne	GGR	great gross
DWT	pennyweight	GH	half gallon (US)
DX	dyne per centimetre	GIA	gill (US)
DY	directory book	GII	gill (UK)
DZN	dozen	GJ	gram per millilitre
DZP	dozen pack	GK	gram per kilogram
E2	belt	GL	gram per litre
E3	trailer	GLD	dry gallon (US)
E4	gross kilogram	GLI	gallon (UK)
E5	metric long ton	GLL	gallon (US)
EA	each	GM	gram per square metre
EB	electronic mail box	GN	gross gallon
EC	each per month	GO	milligrams per square metre
EP	eleven pack	GP	milligram per cubic metre
EQ	equivalent gallon	GQ	microgram per cubic meter
EV	envelope	GRM	gram
F1	thousand cubic feet per day	GRN	grain
F9	fibre per cubic centimetre of air	GRO	gross
FAH	degree Fahrenheit	GRT	gross register ton
FAR	farad	GT	gross ton
FB	field	GV	gigajoule
FC	thousand cubic feet	GW	gallon per thousand cubic feet
FD	million particle per cubic foot	GWH	gigawatt hour
FE	track foot	GY	gross yard
FF	hundred cubic metre	GZ	gage system
FG	transdermal patch	H1	half page - electronic
FH	micromole	H2	half litre
FL	flake ton	HA	hank
FM	million cubic feet	HAR	hectare
FOT	foot	HBA	hectobar
FP	pound per square foot	HBX	hundred boxe
FR	foot per minute	HC	hundred count
FS	foot per second	HD	half dozen
FTK	square foot	HE	hundredth of a carat
FTQ	cubic foot	HF	hundred feet
G2	US gallon per minute	HGM	hectogram
G3	Imperial gallon per minute	HH	hundred cubic feet

## Supplier Content Development

UOMCode	Description	UOMCode	Description
HI	hundred sheet	KEL	kelvin
HIU	hundred international unit	KF	kilopacket
HJ	metric horse power	KG	keg
HK	hundred kilogram	KGM	kilogram
HL	hundred feet (linear)	KGS	kilogram per second
HLT	hectolitre	KHZ	kilohertz
HM	mile per hour	KI	kilogram per millimetre width
HMQ	million cubic metre	KJ	kilosegment
HMT	hectometre	KJO	kilojoule
HN	conventional millimetre of mercury	KL	kilogram per metre
HO	hundred troy ounce	KMH	kilometre per hour
HP	conventional millimetre of water	KMK	square kilometre
HPA	hectolitre of pure alcohol	KMQ	kilogram per cubic metre
HS	hundred square feet	KNI	kilogram of nitrogen
HT	half hour	KNS	kilogram named substance
HTZ	hertz	KNT	knot
HUR	hour	KO	milliequivalence caustic potash per gram of product
HY	hundred yard	KPA	kilopascal
IA	inch pound (pound inch)	KPH	kilogram of potassium hydroxide (caustic potash)
IC	count per inch	KPO	kilogram of potassium oxide
IE	person	KPP	kilogram of phosphorus pentoxide (phosphoric anhydride)
IF	inches of water	KR	kiloröntgen
II	column inch	KS	thousand pound per square inch
IL	inch per minute	KSD	kilogram of substance 90 % dry
IM	impression	KSH	kilogram of sodium hydroxide (caustic soda)
INH	inch	KT	kit
INK	square inch	KTM	kilometre
INQ	cubic inch	KTN	kilotonne
IP	insurance policy	KUR	kilogram of uranium
IT	count per centimetre	KVA	kilovolt - ampere
IU	inch per second	KVR	kilovar
IV	inch per second squared	KVT	kilovolt
J2	joule per kilogram	KW	kilograms per millimeter
JB	jumbo	KWH	kilowatt hour
JE	joule per kelvin	KWT	kilowatt
JG	jug	KX	millilitre per kilogram
JK	megajoule per kilogram	L2	litre per minute
JM	megajoule per cubic metre	LA	pound per cubic inch
JO	joint	LBR	pound
JOU	joule	LBT	troy pound (US)
JR	jar	LC	linear centimetre
K1	kilo watt demand	LD	litre per day
K2	kilovolt ampere reactive demand	LE	lite
K3	kilovolt ampere reactive hour	LEF	leaf
K5	kilovolt ampere (reactive)	LF	linear foot
K6	kilolitre	LH	labour hour
KA	cake	LI	linear inch
KB	kilocharacter	LJ	large spray
KBA	kilobar	LK	link
KD	kilogram decimal	LM	linear metre

## Supplier Content Development

UOMCode	Description	UOMCode	Description
LN	length	MTK	square metre
LO	lot	MTQ	cubic metre
LP	liquid pound	MTR	metre
LPA	litre of pure alcohol	MTS	metre per second
LR	layer	MV	number of mults
LS	lump sum	MVA	megavolt - ampere
LTN	ton (UK) or longton (US)	MWH	megawatt hour (1000 kWh)
LTR	litre	N1	pen calorie
LUM	lumen	N2	number of lines
LUX	lux	N3	print point
LX	linear yard per pound	NA	milligram per kilogram
LY	linear yard	NAR	number of articles
M0	magnetic tape	NB	barge
M1	milligrams per litre	NBB	number of bobbins
M4	monetary value	NC	car
M5	microcurie	NCL	number of cells
M7	micro-inch	ND	net barrel
M9	million Btu per 1000 cubic feet	NE	net litre
MA	machine per unit	NEW	newton
MAL	mega litre	NF	message
MAM	megametre	NG	net gallon (us)
MAW	megawatt	NH	message hour
MBE	thousand standard brick equivalent	NI	net imperial gallon
MBF	thousand board feet	NIU	number of international units
MBR	millibar	NJ	number of screens
MC	microgram	NL	load
MCU	millicurie	NMI	nautical mile
MD	air dry metric ton	NMP	number of packs
MF	milligram per square foot per side	NN	train
MGM	milligram	NPL	number of parcels
MHZ	megahertz	NPR	number of pairs
MIK	square mile	NPT	number of parts
MIL	thousand	NQ	mho
MIN	minute	NR	micromho
MIO	million	NRL	number of rolls
MIU	million international unit	NT	net ton
MK	milligram per square inch	NTT	net register ton
MLD	milliard or billion (US)	NU	newton metre
MLT	millilitre	NV	vehicle
MMK	square millimetre	NX	part per thousand
MMQ	cubic millimetre	NY	pound per air dry metric ton
MMT	millimetre	OA	panel
MON	month	OHM	ohm
MPA	megapascal	ON	ounce per square yard
MQ	thousand metre	ONZ	ounce
MQH	cubic metre per hour	OP	two pack
MQS	cubic metre per second	OT	overt ime hour
MSK	metre per second squared	OZ	ounce av
MT	mat	OZA	fluid ounce (US)

## Supplier Content Development

UOMCode	Description	UOMCode	Description
OZ1	fluid ounce (UK)	R1	pica
P0	page - electronic	R4	calorie
P1	percent	R9	thousand cubic metre
P2	pound per foot	RA	rack
P3	three pack	RD	rod
P4	four pack	RG	ring
P5	five pack	RH	running or operating hour
P6	six pack	RK	roll metric measure
P7	seven pack	RL	reel
P8	eight pack	RM	ream
P9	nine pack	RN	ream metric measure
PA	packet	RO	roll
PAL	pascal	RP	pound per ream
PB	pair inch	RPM	revolutions per minute
PD	pad	RPS	revolutions per second
PE	pound equivalent	RS	reset
PF	pallet (lift)	RT	revenue ton mile
PG	plate	RU	run
PGL	proof gallon	S3	square foot per second
PI	pitch	S4	square metre per second
PK	package	S5	sixty fourths of an inch
PL	pail	S6	session
PM	pound percentage	S7	storage unit
PN	pound net	S8	standard advertising unit
PO	pound per inch of length	SA	sack
PQ	page per inch	SAN	half year (6 months)
PR	pair	SCO	score
PS	pound-force per square inch	SCR	scruple
PT	pint (US)	SD	solid pound
PTD	dry pint (US)	SE	section
PTI	pint (UK)	SEC	second
PTL	liquid pint (US)	SET	set
PU	tray / tray pack	SG	segment
PV	half pint (US)	SHT	shipping ton
PW	pound per inch of width	SIE	siemens
PY	peck dry (US)	SK	split tank truck
PZ	peck dry (UK)	SL	slipsheet
Q3	meal	SMI	mile (statute mile)
QA	page - facsimile	SN	square rod
QAN	quarter (of a year)	SO	spool
QB	page - hardcopy	SP	shelf package
QD	quarter dozen	SQ	square
QH	quarter hour	SR	strip
QK	quarter kilogram	SS	sheet metric measure
QR	quire	SST	short standard
QT	quart (US)	ST	sheet
QTD	dry quart (US)	STI	stone (UK)
QTI	quart (UK)	STN	ton (US) or short ton (UK/US)
QTL	liquid quart (US)	SV	skid
QTR	quarter (UK)	SW	skein

## Supplier Content Development

UOMCode	Description	UOMCode	Description
SX	shipment	W2	wet kilo
T0	telecommunication line in service	W4	two week
T1	thousand pound gross	WA	watt per kilogram
T3	thousand piece	WB	wet pound
T4	thousand bag	WCD	cord
T5	thousand casing	WE	wet ton
T6	thousand gallon (US)	WEB	weber
T7	thousand impression	WEE	week
T8	thousand linear inch	WG	wine gallon
TA	tenth cubic foot	WH	wheel
TAH	kiloampere hour (thousand ampere hour)	WHR	watt hour
TC	truckload	WI	weight per square inch
TD	therm	WM	working month
TE	tote	WR	wrap
TF	ten square yard	WSD	standard
TI	thousand square inch	WTT	watt
TJ	thousand square centimetre	WW	millilitre of water
TK	tank, rectangular	X1	chain
TL	thousand feet (linear)	YDK	square yard
TN	tin	YDQ	cubic yard
TNE	metric ton	YL	hundred linear yard
TP	ten pack	YRD	yard
TPR	ten pair	YT	ten yard
TQ	thousand feet	Z1	lift van
TQD	thousand cubic metre per day	Z2	chest
TR	ten square feet	Z3	cask
TRL	trillion (EUR)	Z4	hogshead
TS	thousand square feet	Z5	lug
TSD	tonne of substance 90 % dry	Z6	conference point
TSH	ton of steam per hour	Z8	newspage agate line
TT	thousand linear metre	ZP	page
TU	tube	ZZ	mutually defined
TV	thousand kilogram		
TW	thousand sheet		
TY	tank, cylindrical		
U1	treatment		
U2	tablet		
UA	torr		
UB	telecommunication line in service average		
UC	telecommunication port		
UD	tenth minute		
UE	tenth hour		
UF	usage per telecommunication line average		
UH	ten thousand yard		
UM	million unit		
VA	volt ampere per kilogram		
VI	vial		
VLT	volt		
VQ	bulk		
VS	visit		

## Supplier Content Development

### Appendix – C Locale

The table below provides valid language codes for use in determining the “locale” where the Supplier’s product will be sold. When expressing locale, always show the two-digit code in lower case only. For more information about valid language codes and ISO standards in general, visit the web site <http://www.iso.ch/>.

ISO 639 Language Codes					
Code	Language	Code	Language	Code	Language
aa	Afar	ie	Interlinque	rn	Kirundi
ab	Abkhazian	ik	Inupiak	ro	Romanian
af	Afrikaans	in	Indonesian	ru	Russian
am	Amharic	is	Icelandic	rw	Kinyarwanda
ar	Arabic	it	Italian	sa	Sanskrit
as	Assamese	iw	Hebrew	sd	Sindhi
ay	Aymara	ja	Japanese	sg	Sangro
az	Azerbaijani	ji	Yiddish	sh	Serbo-Croatian
ba	Bashkir	jw	Javanese	si	Singhalese
be	Byelorussian	ka	Georgian	sk	Slovak
bg	Bulgarian	kk	Kazakh	sl	Slovenian
bh	Bihari	kl	Greenlandic	sm	Samoaan
bi	Bislama	km	Cambodian	sn	Shona
bn	Bengali; Bangla	kn	Kannada	so	Somali
bo	Tibetan	ko	Korean	sq	Albanian
br	Breton	ks	Kashmiri	sr	Serbian
ca	Catalan	ku	Kurdish	ss	Siswati
co	Corsican	ky	Kirghiz	st	Sesotho
cs	Czech	la	Latin	su	Sudanese
cy	Welsh	ln	Lingala	sv	Swedish
da	danish	lo	Laothian	sw	Swahili
de	german	lt	Lithuanian	ta	Tamil
dz	Bhutani	lv	Latvian; Lettish	te	Tegulu
el	Greek	mg	Malagasy	tg	Tajik
en	English	mi	Maori	th	Thai
eo	Esperanto	mk	Macedonian	ti	Tigrinya
es	Spanish	ml	Malayalam	tk	Turkmen
et	Estonian	mn	Mongolian	tl	Tagalog
eu	Basque	mo	Moldavian	tn	Setswana
fa	Persian	mr	Marathi	to	Tonga
fi	Finnish	ms	Malay	tr	Turkish
fj	Fiji	mt	Maltese	ts	Tsonga
fo	Faeroese	my	Burmese	tt	Tatar
fr	French	na	Nauru	tw	Twi
fy	Frisian	ne	Nepali	uk	Ukrainian
ga	Irish	nl	Dutch	ur	Urdu
gd	Scots; Gaelic	no	Norwegian	uz	Uzbek
gl	Galician	oc	Occitan	vi	Vietnamese
gn	Guarani	om	(Afan); Oromo	vo	Volapuk
gu	Gujarati	or	Oriya	wo	Wolof
ha	Hausa	pa	Punjabi	xh	Xhosa
hi	Hindi	pl	Polish	yo	Yoruba
hr	Croatian	ps	Pashto; Pushto	zh	Chinese
hu	Hungarian	pt	Portuguese	zu	Zulu
hy	Armenian	qu	Quechua		
ia	Interlingua	rm	Rhaeto-Romance		

## Supplier Content Development

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For additional information:

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