

Tradecloud CSV Connector buyer specification		Version 30-08-2018	
<a href="#">We use the RFC 4180 standard</a>			
Be conservative when writing a CVS file, but liberal when reading a CSV file.			
Incoming and outgoing file names should be unique, using a date/time stamp, UUID or counter			
UTF-8 text encoding			
1st line always contains header with field names, use fields names, do not use column indexes			
Fields are in fixed order, new fields could be appended			
Unused optional field columns may be left away			
Comma separated			
CRLF is end of record (except when in quoted string)			
String uses double quotes (double quotes in text should be escaped with extra double quotes)			
Decimal uses point			
Dates (YYYY-MM-DD), currency (EUR, USD...) and units of measure (PCE) are in ISO format			

<b>Buyer outgoing order flow</b>		
Step 1. export (optional)	ERP system exports the file in the export folder.	\\outgoing\export\order-yyyyddmm-hhmm.csv
Step 2. move	ERP system moves (or exports) the file to the send folder.	\\outgoing\send\order-yyyyddmm-hhmm.csv
Step 3. send	Tradecloud connector sends the lines to Tradecloud.	
Step 4a. archive	Tradecloud connector moves the file to the archive folder.	\\outgoing\archive\order-yyyyddmm-hhmm.csv
Step 4b. error	Tradecloud connector moves the file to the error folder.	\\outgoing\error\order-yyyyddmm-hhmm.csv
<b>Buyer incoming order response flow</b>		
Step 1. save	Tradecloud connector saves the file in the receive folder.	\\incoming\receive\response-yyyyhhmm-hhmmss.csv
Step 2. move	Tradecloud connector moves the file to the import folder.	\\incoming\import\response-yyyyhhmm-hhmmss.csv
Step 3. import	ERP system imports the file.	
Step 4a. archive	ERP system moves the file to the archive folder.	\\incoming\archive\response-yyyyhhmm-hhmmss.csv
Step 4b. error (optional)	ERP system moves the file to the error folder.	\\incoming\error\response-yyyyhhmm-hhmmss.csv

Buyer outgoing order fields							
status	connector version	CSV field name	type	scope	mandatory	description	examples
tested	4.12	<b>orderCode</b>	string	Buyer unique key	<b>mandatory</b>	purchase order number	"123456789"
tested	4.12	orderDescription	string	Buyer	optional	buyer's order description (free text)	"any order description"
tested	4.12	<b>orderSupplierCode</b>	string	Buyer unique key	<b>mandatory</b>	buyer's supplier account number	"100000123"
tested	4.12	orderSupplierName	string	Buyer	optional	buyer's supplier account name	"Supplier B.V."
tested	4.12	orderRelationManagerEmail	string	Buyer	optional	buyer's supplier account/relation manager/contact (use email address as known in Tradecloud)	
tested	4.12	<b>orderDeliveryLocationCode</b>	string	Buyer unique key	<b>mandatory</b>	delivery location code	"loc001"
tested	4.12	<b>orderDeliveryAddressName1</b>	string	Buyer	<b>mandatory</b>	delivery name line 1	"Warehouse 1"
tested	4.12	orderDeliveryAddressName2	string	Buyer	optional	delivery name line 2	
tested	4.12	orderDeliveryAddressName3	string	Buyer	optional	delivery name line 3	
tested	4.12	<b>orderDeliveryAddressLine1</b>	string	Buyer	<b>mandatory</b>	delivery address line 1 (typically street + no.)	"Streetname 1"
tested	4.12	orderDeliveryAddressLine2	string	Buyer	optional	delivery address line 2	
tested	4.12	orderDeliveryAddressLine3	string	Buyer	optional	delivery address line 3	
tested	4.12	<b>orderDeliveryAddressZipCode</b>	string	Buyer	<b>mandatory</b>	delivery address postal code (any format)	"1234 AB"
tested	4.12	<b>orderDeliveryAddressCity</b>	string	Buyer	<b>mandatory</b>	delivery address city	"Arnhem"
tested	4.12	<b>orderDeliveryAddressCountryCode</b>	ISO string	Buyer	<b>mandatory</b>	delivery address country code (ISO2 format)	"NL"
planned		orderCompletedIndicator	boolean	Buyer	optional	set by buyer when the order is completed	true
planned		orderCancelledIndicator	boolean	Buyer	optional	set by buyer when the order is cancelled	false
tested	4.12	orderIncotermsCode	string	Buyer	optional	incoterms standard code	"DDP"
tested	4.12	orderIncoterms	string	Buyer	optional	incoterms addition info like location	"Arnhem"
tested	4.12	orderPaymentTermsCode	string	Buyer	optional	payments terms buyer's code	"60"
tested	4.12	orderPaymentTerms	string	Buyer	optional	payments terms additional info	"60 days"
tested	4.12	orderPropertyKey[0-9]	string	Buyer	optional	up to ten custom order key-value fields on order level	"notes"
tested	4.12	orderPropertyValue[0-9]	string	Buyer	optional	up to ten custom order key-value fields on order level	"notes line 1\nnotes lines 2"
tested	4.12	orderCreatedDate	ISO date	Buyer	optional	date at which this order was created	2018-03-01
tested	4.12	<b>lineCode</b>	string	Buyer line unique key	<b>mandatory</b>	unique purchase order line number	"123456789-10"
tested	4.12	<b>lineRow</b>	integer	Buyer line row	<b>mandatory</b>	purchase order line row	"10"
tested	4.12	lineDescription	string	Buyer	optional	buyer's line description (free text)	"any line description"
tested	4.12	<b>itemCode</b>	string	Buyer unique key	<b>mandatory</b>	unique item number	"11223344"
tested	4.12	itemRevision	string	Buyer	optional	item revision	"A"
tested	4.12	<b>itemName</b>	string	Buyer	<b>mandatory</b>	item short name	"item short name"
tested	4.12	itemDescription	string	Buyer	optional	item additional description	"item long description"
tested	4.12	<b>supplierItemCode</b>	string	Buyer unique key	optional	buyer's supplier item number, optional but recommended	"55667788"
tested	4.12	<b>quantityRequested</b>	decimal	Buyer	<b>mandatory</b>	quantity requested by buyer	10.0
tested	4.13.4	totalQuantityDelivered	decimal	Buyer	optional	total quantity actual delivered at buyer (summed in case of multiple orders)	8.0
tested	4.12	<b>purchaseUnit</b>	ISO string	Buyer	<b>mandatory</b>	ISO purchase unit of measure	"PCE"
tested	4.12	<b>deliveryDateRequested</b>	ISO date	Buyer	<b>mandatory</b>	delivery date requested by buyer	2018-03-26

Buyer outgoing order fields								
status	connector version	CSV field name	type	scope	mandatory	description	examples	
tested	4.13.4	lastDeliveryDate	ISO date	Buyer	optional	last actual delivery date at buyer (the actual date or last date in	2018-03-29	
tested	4.12	productionStartDate	ISO date	Buyer	optional	production start date at buyer	2018-04-01	
tested	4.12	grossPurchasePriceRequested	decimal	Buyer	optional	gross price (per price unit quantity) requested by buyer	1.24	
tested	4.12	discountPercentageRequested	decimal	Buyer	optional	discount requested by buyer	50.00	
tested	4.12	netPurchasePriceRequested	decimal	Buyer	optional	net price (per price unit quantity) requested by buyer	0.62	
tested	4.12	currency	ISO string	Buyer	mandatory when p	ISO currency	"EUR"	
tested	4.12	priceUnit	ISO string	Buyer	mandatory when p	ISO price unit of measure	"PCE"	
tested	4.12	priceUnitQuantityRequested	decimal	Buyer	mandatory when p	price per unit quantity, requested by buyer	1	
planned		lineCompletedIndicator	boolean	Buyer	optional	set by buyer when the line is completed	true	
planned		lineCancelledIndicator	boolean	Buyer	optional	set by buyer when the line cancelled	false	
to be tested	4.13	lineDeliveredIndicator	boolean	Buyer	optional	Goods delivery complete (line will go to "delivered")	true	
to be tested	4.13	lineNoDeliveryExpectedIndicator	boolean	Buyer	optional	No goods delivery expected (line will not go to "overdue")	false	
tested	4.13	lineReopenIndicator	boolean	Buyer	optional	Force line to reopen when confirmed or approved	true	
to be tested	4.13	lineConfigurableItemIndicator	boolean	Buyer	optional	Configurable item (line will be ignored by some supplier ERP)	false	
tested	4.12	lineContractCode	string	string	optional	framework contract code of this line	"12345"	
tested	4.12	lineContractRow	string	string	optional	framework contract row of this line	"10"	
tested	4.12	linePropertyKey[0-9]	string	Buyer	optional	up to ten custom key-value fields on line level	"notes"	
tested	4.12	linePropertyValue[0-9]	string	Buyer	optional	up to ten custom key-value fields on line level	"notes line 1\nnotes line 2"	
tested	4.12	lineCreatedDate	ISO date	Buyer	optional	date at which this line was created	2018-03-01	

Buyer outgoing order example																																			
orderCode	orderDescription	orderSupplierCode	orderRelationManagerEnt	orderDel	orderDelivery	orderDeliveryAc	orderDel	orderDeliv	orderIn	orderInco	orderPay	orderPay	orderProp	orderProp	orderCres	lineCode	lineRow	itemCode	itemRevis	itemName	itemDescription	supplierItemCode	quantity	purchase	deliveryDt	netPurchase	PriceReque	currency	priceUnit	priceUnit	linePropertyKey0	linePropertyValue0	LinePropertyKey1	LinePropertyValue1	lineCreat
51034428	any order description 1	100000123	user@company.nl	loc001	Warehouse 1	Streetname 1	1234 AB	Arnhem	NL	DDP	Arnhem	60	60 days	notes	notes line 2018-04-(51034428	10	000-1011 A		Looprol LRS202-22 e15	Looprol long description	55667788	10	PCE	2018-04-1		10.55	EUR	PCE	1	notes	notes line 1\nnotes line 2	manufacturer	Manufacturer name 2018-04-		
51034428	any order description 2	100000500	user@company.nl	loc001	Warehouse 1	Streetname 1	1234 AB	Arnhem	NL	DDP	Arnhem	60	60 days	notes	notes line 2018-04-(51034428	20	000-1010		Lager SEB-F e20 32x5/10/20/32	Lager long description	55667789	20	PCE	2018-04-1		20	EUR	PCE	1	notes	notes line 1\nnotes line 2	manufacturer	Manufacturer name 2018-04-		
51034429	any "order" description 1	100000500	user@company.nl	loc001	Warehouse 1	Streetname 1	1234 AB	Arnhem	NL	DDP	Arnhem	60	60 days	notes	notes line 2018-04-(51034429	10	005-9995		Cable 1x6mm2 GNYE HELUTHERM 145	Cable long description	123456	99	MTR	2018-04-1		195	EUR	PCE	1	notes	notes line 1\nnotes line 2	manufacturer	Manufacturer name 2018-04-		
51034429	any order description 2	100000500	user@company.nl	loc001	Warehouse 1	Streetname 1	1234 AB	Arnhem	NL	DDP	Arnhem	60	60 days	notes	notes line 2018-04-(51034429	20	000-1026 B		Torsieveer haaks Vigs.Tek.	Torsieveer long description	123467	40	PCE	2018-04-1		35.6	EUR	PCE	1	notes	notes line 1\nnotes line 2	manufacturer	Manufacturer name 2018-04-		

Buyer incoming order response fields						
status	CSV field name	type	scope	mandatory	description	examples
tested	messageId	uuid	Tradecloud unique id	mandatory	Tradecloud's message identifier	ae2f77f1-4945-4025-9e39-91c6a47e5561
tested	orderId	uuid	Tradecloud unique id	mandatory	Tradecloud's order identifier	06a64245-7741-43a5-807c-89d7b2014c41
tested	<b>orderCode</b>	string	Buyer unique key	mandatory	purchase order number	"123456789"
tested	supplierOrderDescription	string	Supplier	optional	supplier's order description (free text, typically sales order)	"11223344"
tested	<b>orderSupplierCode</b>	string	Buyer unique key	mandatory	buyer's supplier account number	"100000123"
tested	orderSupplierId	uuid	Tradecloud unique id	mandatory	Tradecloud's supplier identifier	2a22219b-3ee1-44ff-a8ff-0509f7ca5e3d
tested	orderBuyerId	uuid	Tradecloud unique id	mandatory	Tradecloud's buyer identifier	9deda267-7d41-4949-89f1-a2223a27c062
tested	orderStatus	string	Tradecloud status	mandatory	<a href="#">Tradecloud order status</a>	"open", "inconsistent", "confirmed", "approved", "rejected", "overdue"
tested	lineId	uuid	Tradecloud unique id	mandatory	Tradecloud's purchase order line identifier	74ea822b-a0d0-4a68-9fdd-8b4450e7f373
tested	<b>lineCode</b>	string	Buyer line unique key	mandatory	unique purchase order line number	"123456789-10"
to be retested	<b>lineRow</b>	string	Buyer line row	mandatory	purchase order line row	"10"
to be retested	lineSub	string	Tradecloud line subrow	optional	line row sub number in case of splitting in Tradecloud	"1"
tested	<b>itemCode</b>	string	Buyer unique key	mandatory	unique item number	"11223344"
tested	itemRevision	string	Buyer	optional	item revision	"A"
tested	<b>itemName</b>	string	Buyer	mandatory	item short name	"item short name"
tested	<b>supplierItemCode</b>	string	Buyer unique key	mandatory	buyer's supplier item number, optional but recommended	"55667788"
tested	supplierLineDescription	string	Supplier	optional	supplier's line description (free text)	"anything"
tested	<b>quantityConfirmed</b>	decimal	Supplier	mandatory	quantity confirmed by supplier	10.0
tested	purchaseUnit	ISO string	Buyer	mandatory	ISO purchase unit of measure	"PCE"
tested	<b>deliveryDateConfirmed</b>	ISO date	Supplier	mandatory	delivery date confirmed by supplier	2018-03-28
tested	firstConfirmedDeliveryDate	ISO date	Supplier	mandatory	first delivery date confirmed by supplier	2018-03-27
tested	<b>grossPurchasePriceConfirmed</b>	decimal	Supplier	mandatory when	gross price (per price unit quantity) confirmed by supplier	124.00
tested	<b>discountPercentageConfirmed</b>	decimal	Supplier	mandatory when	discount confirmed by supplier	50.00
tested	<b>netPurchasePriceConfirmed</b>	decimal	Supplier	mandatory when	net price (per price unit quantity) confirmed by supplier	62.00
tested	currency	ISO string	Buyer	mandatory	ISO currency	"EUR"
tested	priceUnit	ISO string	Buyer	mandatory	ISO price unit of measure	"PCE"
tested	<b>priceUnitQuantityConfirmed</b>	decimal	Supplier	mandatory when	price per unit quantity, confirmed by supplier	100
tested	grossUnitPriceConfirmed	decimal	Supplier	mandatory when	gross unit price (price per 1), confirmed by supplier	1.24
tested	netUnitPriceConfirmed	decimal	Supplier	mandatory when	net unit price (price per 1), confirmed by supplier	0.62
tested	lastConfirmationExplanation	string	Supplier	optional	Set by supplier in Tradecloud when confirming a line	"Not enough stock"
tested	lineStatus	string	Tradecloud status	mandatory	<a href="#">Tradecloud line status, one of:</a>	"confirmed", "approved", "overdue"

Buyer incoming order response example																															
orderId	orderCod	supplierOrderDx	orderSupplierCode	orderSupplierId	orderCustomerId	orderDel	orderStat	lineId	lineCode	lineRow	itemCode	itemRevis	itemName	supplierItemCode	supplierLineDe	quantityR	quantityC	purchaseI	deliveryDateR	deliveryDateI	firstConfirmec	netPurch	netPurch	currency	priceUnit	priceUnitC	priceUnitI	grossUnitPriceC	netUnitPriceConf	lastConfirmationI	lineStatus
06a64245-7741-43a5-5103442f	11223344	100000123	2a22219b-3ee	9deda267-7d41-4949-88	loc001	confirmed	f9cdcc60-5103442f	10	000-1011	A	Looprol LR5202-2Z	55667788	anything	10	10	PCE	2018-04-15	2018-04-15	2018-04-15	10.55	10.55	EUR	PCE	1	1	10.55	10.55				confirmed
06a64245-7741-43a5-5103442f	11223344	100000123	2a22219b-3ee	9deda267-7d41-4949-88	loc001	confirmed	00e7bb0c-5103442f	20	000-1010		Lager SEB-F ø20 32	55667789	Anything 2	20	20	PCE	2018-04-15	2018-04-15	2018-04-15	20	20	EUR	PCE	1	1	20	20				confirmed
4bdaec70-36b1-11e8-t-5103442f	10203040	100000500	cf4643c0-36b1	9deda267-7d41-4949-88	loc001	approved	0714b19c-5103442f	10	005-9995		Cable 1x6mm2 GNY	123456	Anything 3	99	100	MTR	2018-04-20	2018-04-20	2018-04-20	195	200	EUR	PCE	1	1	200	200	only per 100 mtr	approved		
4bdaec70-36b1-11e8-t-5103442f	10203040	100000500	cf4643c0-36b1	9deda267-7d41-4949-88	loc001	approved	0e4d4bcf-5103442f	20	000-1026	B	Torsieveer haaks Vlc	123467	Anything 4	40	40	PCE	2018-04-20	2018-04-22	2018-04-24	35,6	35,6	EUR	PCE	1	1	35,6	35,6	no stock	approved		