



Specification for Business Stream Tradacoms EDI output

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Change history

Version number	Date of issue	Amendments
1.0	07/03/2019	Final version
1.1	02/11/2021	Updates following change to billing system and customer feedback
1.2	01/06/2023	Update to CCD BPRI and CPPU to be pence (previously pounds)
1.3	08/04/2024	Update to meter read types in CCD-1 record

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1 Introduction

1.1 Background

Electronic Data Interchange (EDI) is a method of exchange of billing documents in a standard electronic format between business partners. Business Stream have created an EDI billing output which will facilitate EDI billing to its business customers. The EDI message standard being used is TRADACOMS 26 v3.

1.2 Purpose

The purpose of this document is to detail how Business Stream the EDI output file for their billing data.

This document is intended to be provided to those business entities that receive Business Stream's EDI bills such that they can support the loading of those files into their systems.

1.3 EDI billing

The EDI file is not intended to be a tax document. Business Stream will continue to send customers PDF document.

2. Structure

Business Stream will typically bill customers using consolidated billing. This means that for a billing run, a customer will receive one or many different bills within an EDI file.

The EDI output is made up of the following segments and messages:

- File Header that appears as the top line
- A Utility Bill File Header that contains information about the Supplier and the Parent Customer
- For each Bill there is:
 - A Bill Header which details the Site being billed and descriptions of the type of Bill,
 - Meter Reading where they exist,
 - Multiple Charge lines, and
 - Bill Total section
- File Footer details with VAT and Bill Total sections

3. Start of transmission

The details of the start of transmission are:

Segment	Data element	Data element name	Description of the contents	
STX		START OF TRANSMISSION	STX=	
	STDS	Syntax Rules Identifier		
		Identifier	ANA	
		Version	1	
	FROM	Identification of Transmission Sender		+
		Code	Unique identifier for this bill	
		Name	Business Stream	
	UNTO	Identification of Transmission Recipient		+
		Code	Unique identifier for this bill	
		Name	The Customer Name	
	TRDT	Date and Time of Transmission		+
		Date	The EDI output will populate the data element with the date of when the output file was created. The date will be in the following format: YYMMDD	
		Time	The EDI output will hardcode ':' to identify sub-element and will populate the sub-element with the time of when the output file was created. The format of the date will be in the following format: HHMMSS	
	SNRF			+
		Sender's Transmission Reference	Unique identifier for this bill	
	RCRF			+
		Recipient's Transmission Reference	NULL	
APRF			+	
	Application Reference	NULL		

	PRCD		+
		Transmission Priority Code	NULL
			'

4. File header details

The Utility Bill File Header contains information about the Supplier and the Parent Customer. It will be populated once at the start of the EDI file.

Segment	Data element	Data element name	Description of the contents
MHD		MESSAGE HEADER	MHD=
	MSRF	Message Reference	
		Message Reference	1
	TYPE	Type of Message	+
		Type	UTLHDR
Version Number		3	
		,	
TYP		TRANSACTION TYPE DETAILS	TYP=
	TCDE	Transaction Code	
		Transaction Code	0716
		,	
SDT		SUPPLIER DETAILS	SDT=
	SIDN	Supplier's Identity	+
		Supplier's EAN Location Number	NULL
	SNAM	Supplier's Name	+
		Supplier's Name	Business Stream
	SADD	Supplier's Address	+
		Supplier's Address Line 1	7 Lochside View
		Supplier's Address Line 2	Edinburgh
		Supplier's Address Line 3	NULL
		Supplier's Address Line 4	NULL
		Supplier's Post Code	+
		Supplier's Post Code	EH12 9DH
	VATN	Supplier's VAT Registration Number	+
Numeric VAT Registration Number		945850885	
Alphanumeric VAT Registration Number		NULL	

			'
CDT		CUSTOMER DETAILS	CDT=
	CIDN	Customer's Identity	+
		Customer's EAN Location Number	NULL
		Customer Code	A Business Stream code to represent the Customer (Parent Customer ref)
	CNAM	Customer's Name	+
		Customer's Name	The legal name of the Customer
	CADD	Customer's Address	+
		Customer's Address Line 1	Customer's Billing Address, separated by commas
		Customer's Address Line 2	NULL
		Customer's Address Line 3	NULL
Customer's Address Line 4		NULL	
Customer's Post Code		Customer's Billing Post Code	
			'
FIL		FILE DETAILS	FIL=
	FLGN	File Generation Number	
		File Generation Number	This is a number that increments for each EDI Bill per Customer
	FLVN	File Version Number	+
		File Version Number	1
	FLDT	File Creation Date	+
File Creation Date		The date the file was created in YYMMDD format	
			'
FDT		FILE PERIOD DATES	FDT=
	IVED	Invoice Period End Date	
		Invoice Period End Date	Start date of date range over which bills included in the file have been issued (YYMMDD format).
	DVED	Delivery Period End Date	+
Delivery Period End Date		End date of date range over which bills included in the file have been issued (YYMMDD format).	
			'

MTR		MESSAGE TRAILER	MTR=
	NOSG	Number of Segments in Message	
Number of Segments in Message		7	
			'

5. Utility bill message

A utility bill message will be created for each Bill within this EDI file.

5.1 Bill header

Segment	Data element	Data element name	Description of the contents
MHD		MESSAGE HEADER	MHD=
	MSRF	Message Reference	
		Message Reference	This will be 1 for the first Utility Bill populate, and increment by 1 for each subsequent Bill
	TYPE	Type of Message	+
		Type	UTLBIL
		Version Number	3
		,	
CLO		CUSTOMER'S LOCATION	CLO=
	CLOC	Customer's Location	
		Customer's EAN Location Number	Customer's Account Number
		Customer's Own Location Number	Water SPID reference
		Supplier's Identity of Customer's Location	Waste SPID reference
	CNAM	Customer's Name	+
		Customer's Name	The Customer's name
	CADD	Customer's Address	+
		Customer's Address Line 1	Site Address Line 1
		Customer's Address Line 2	NULL
		Customer's Address Line 3	NULL
		Customer's Address Line 4	NULL
		Customer's Post Code	Site Address Post Code
			,
BCD		BILL CONTROL DATA	BCD=
	IVDT	Date of Invoice	

		Date of Invoice	The invoice date in the format YYMMDD
TXDT		Tax-point Date	+
		Tax-point Date	The invoice date in the format YYMMDD
INVN		Invoice Number	+
		Invoice Number	The unique Invoice Reference for this Bill
PBID		Previous Billing Date	+
		Previous Billing Date	NULL
BIFR		Bill Frequency Code	+
		Bill Frequency Code	This will be populated as M – for monthly billing Q – for quarterly billing A – for annual billing S – for biannual billing Z – for bilaterally agreed
BTCD		Bill Type Code	+
		Bill Type Code	N – normal bill
VDAA		VAT Declaration for Amended Account	+
		VAT Declaration Code	NULL
		Date of Bill Withdrawn	
		VAT Total Amount on Bill Withdrawn	
		Amended Invoice Reference	
		Premises Reference of Previous Bill	
SUMO		Supply Period	+
		Start Date	The Start date of the Invoice Period in YYMMDD format
		End Date	The End Date of the Invoice Period in YYMMDD format
			‘

5.2 Consumption and Charge Lines

5.2.1 Meter Reading CCD lines

For each Bill where Meter Readings have been obtained, there will be one or more records of Meter Readings that will be produced.

Meter Readings may be used in the Calculation of:

- Metered Volume Charges;
- Metered Waste Charge;
- Trade Effluent Operating Charges.

Segment	Data element	Data element name	Description of the contents ccd-1
CCD		CONSUMPTION/CHARGE DETAILS	CCD=
	SEQA	First Level Sequence Number	
		First Level Sequence Number	This will be an incrementing number starting at 1 for each bill
	CCDE	Charge Type Code	+
		Consumption Charge Indicator	1
		EAN Article Number	NULL
		Supplier Code	Where the Meter Readings are to be used in the calculation of a Metered Water Volume Charge, VWC Where the Meter Readings are to be used in the calculation of a Metered Water Volume Charge, VWW
	TCOD	Tariff Code	+
		Tariff Code	Where the Meter Readings are to be used in the calculation of a Metered Water Volume Charge, MWC Where the Meter Readings are to be used in the calculation of a Metered Waste Volume Charge, MSC
		Tariff Description	Where the Meter Readings are to be used in the calculation of a Metered Water Volume Charge, 'Water – Charges' Where the Meter Readings are to be used in the calculation of a Metered Waste Volume Charge, 'Waste Water - Charges'

	TMOD	Tariff Code Modifier	+
		Tariff Modifier 1	NULL
		Tariff Modifier 2	NULL
		Tariff Modifier 3	NULL
		Tariff Modifier 4	NULL
	MTNR	Meter Number	+
		Meter Number	The Customer's Meter Serial Number
	MLOC	Meter Location	+
		Meter Location	NULL
	PRDT	Present Reading Date	+
		Present Reading Date	For a pair of Meter Readings that have used to calculate an advance for this Bill, this is the later reading.
	PVDT	Previous Reading Date	+
		Previous Reading Date	For each pair of Meter Readings used to calculate the advance, this is the date of earlier reading
	NDRP	Reading Period	+
		Reading Period	The number of days in the reading period
	PRRD	Reading Data	+
		Present Reading	The latter of the Meter Readings used for this bill
		Type	Non-meter exchange reading = 00 (actual) or 01 (estimate) or 04 (customer) or 05 (AMR).
		Previous Reading	The earlier of the Meter Readings used for this bill
		Type	Actual reading = 00. Estimated Reading = 01 or 04 (customer). This also applies to meter exchange readings for which there is no special identifier in the 'previous reading' data.
CONS	Consumption (Billing Units)	+	
	Consumption (Billing Units)	The consumption in Billing Units. Where the consumption is 12M3, this will be populated as 12000.	

		Unit of Measure	M3
		Negative Indicator	If the Units consumed is a negative figure, this will be set to R
	CONB	Consumption (Base Units)	+
		Consumption (Base Units)	The consumption in Base Units. This will be the difference between the Present Reading and the Previous Reading. Where the difference between the Meter Readings is 12M3, this will be populated as 12000.
		Unit of Measure	M3
		Negative Indicator	If the Units consumed is a negative figure, this will be set to R
	ADJF	Adjustment Factor	+
		Adjustment Factor Code	SUB where value provided is sub meter consumption
		Adjustment Factor Value	Sub meter consumption to be deducted if meter is a main meter
	CONA	Consumption (Adjusted Units)	+
		Consumption (Adjusted Units)	If an Adjustment Factor Value is applied, this value will be the resulting volume from that adjustment
		Unit of Measure	M3
		Negative Indicator	If the Units consumed is a negative figure, this will be set to R
	BPRI	Base Price Per Unit	+
		Base Price Per Unit	NULL
	NUCT	Number of Units for Charge Type	+
		Units Billed	This will include the Consumption Units Billed for this charge line
		Unit of Measure	M3
		Negative Indicator	Where the Consumption is negative, this is R
CSDT	Charge Start Date	+	
	Charge Start Date	NULL	
CEDT	Charge End Date	+	
	Charge End Date	NULL	

	CPPU	Price per Unit	+
		Price per Unit	NULL
	CTOT	Total Charge for Charge Type	+
		Total Charge for Charge Type	NULL
		Credit Indicator	NULL
	TSUP	VAT – Type of Supply	+
		VAT – Type of Supply	NULL
	VATC	VAT Rate Category Code	+
		VAT Rate Category Code	NULL
	VATP	VAT Rate Percentage	+
		VAT Rate Percentage	NULL

5.2.2 Combined Consumption and Charge CCD lines

The use of CCD2 lines has been discontinued in the Business Stream EDI file. Metered Volume Charges will now all be shown on CCD3 lines and Meter Readings on CCD1 lines.

5.2.3 Charge only (consumption-based) CCD lines

For each Bill where Meter Readings have been obtained, there will be one or more records of Meter Readings that will be produced. Meter Readings may be used in the Calculation of:

- Metered Volume Charges;
- Metered Waste Charge;
- Trade Effluent Operating Charges.

The charge details may include one or more Meter Readings that can be identified by mapping the Tariff Code, defined in the TCOD Data Element in Section 5.2.1 above, to the equivalent Meter Reading.

Segment	Data element	Data element name	Description of the contents ccd-3
CCD		CONSUMPTION/CHARGE DETAILS	CCD=
	SEQA	First Level Sequence Number	
		First Level Sequence Number	This will be an incrementing number starting at 1 for each bill
	CCDE	Charge Type Code	+
		Consumption Charge Indicator	3
		EAN Article Number	NULL
		Supplier Code	Where the Meter Readings are to be used in the calculation of a Metered Water Volume Charge, VWC Where the Meter Readings are to be used in the calculation of a Metered Water Volume Charge, VWW Where the Meter Readings are to be used in the calculation of a Trade Effluent Operating Charge, TEO
	TCOD	Tariff Code	+
		Tariff Code	Where the Meter Readings are to be used in the calculation of a Metered Water Volume Charge, MWC or LUC Where the Meter Readings are to be used in the calculation of a Metered Waste Volume Charge, MSC Where the Meter Readings are to be used in the calculation of a Trade Effluent Operating Charge, TEOC or TOZ

	Tariff Description	Where the Meter Readings are to be used in the calculation of a Metered Water Volume Charge, 'Water – Charges' Where the Meter Readings are to be used in the calculation of a Metered Waste Volume Charge, 'Waste Water - Charges' Where the Meter Readings are to be used in the calculation of a Trade Effluent Operating Charge, 'Operational Charges - Operating charges'
TMOD	Tariff Code Modifier	+
	Tariff Modifier 1	NULL
	Tariff Modifier 2	NULL
	Tariff Modifier 3	NULL
	Tariff Modifier 4	NULL
MTNR	Meter Number	+
	Meter Number	The Customer's Meter Serial Number or Discharge Point ID (DPID)
MLOC	Meter Location	+
	Meter Location	NULL
PRDT	Present Reading Date	+
	Present Reading Date	NULL
PVDT	Previous Reading Date	+
	Previous Reading Date	NULL
NDRP	Reading Period	+
	Reading Period	NULL
PRRD	Reading Data	+
	Present Reading	NULL
	Type	NULL
	Previous Reading	NULL
	Type	NULL
CONS	Consumption (Billing Units)	+

		Consumption (Billing Units)	The consumption in Billing Units. Where the consumption is 12M3, this will be populated as 12000.
		Unit of Measure	M3
		Negative Indicator	If the Units consumed is a negative figure, this will be set to R
	CONB	Consumption (Base Units)	+
		Consumption (Base Units)	The consumption in Base Units. This will be the difference between the Present Reading and the Previous Reading. Where the difference between the Meter Readings is 12M3, this will be populated as 12000.
		Unit of Measure	M3
		Negative Indicator	If the Units consumed is a negative figure, then this will be set to R
	ADJF	Adjustment Factor	+
		Adjustment Factor Code	SUB where value is used to represent sub meter consumption (used only for water charges) RTS where value is used to represent Return to Sewerage (used only for waste water charges)
		Adjustment Factor Value	If the consumption is for a Metered Water Charge and the meter is the main meter in a meter network, this will be populated with the total consumption from the sub-meters to be deducted. If the consumption is for a Metered Waste Charge, this will be populated with the Return to Sewer percentage, where available, e.g. 95000 (i.e. 95%) Otherwise this will be populated with 10000 (i.e. 100%)
	CONA	Consumption (Adjusted Units)	+
		Consumption (Adjusted Units)	If an Adjustment Factor Value is applied, this value will be the resulting volume from that adjustment
		Unit of Measure	M3
		Negative Indicator	If the Units consumed is a negative figure, this will be set to R
	BPRI	Base Price Per Unit	+
Base Price Per Unit		Populated with unit cost in pence where available.	

	NUCT	Number of Units for Charge Type	+
		Units Billed	This will include the Consumption Units Billed for this charge line
		Unit of Measure	M3
		Negative Indicator	Where the Consumption is negative, this is R
	CSDT	Charge Start Date	+
		Charge Start Date	This is the Charge Start Date in format YYMMDD
	CEDT	Charge End Date	+
		Charge End Date	This is the Charge End Date in format YYMMDD
	CPPU	Price per Unit	+
		Price per Unit	The price being charged in pence
	CTOT	Total Charge for Charge Type	+
		Total Charge for Charge Type	This will represent the pence per unit
		Credit Indicator	Where the Consumption is negative, this is R
	TSUP	VAT – Type of Supply	+
		VAT – Type of Supply	A (Ordinary Sale).
	VATC	VAT Rate Category Code	+
		VAT Rate Category Code	Z for Zero VAT or S for Standard VAT
	VATP	VAT Rate Percentage	+
VAT Rate Percentage		The VAT rate percentage figure (e.g. 0 for Zero VAT, 20000 for Standard VAT)	
		'	

5.2.4 Charge only (fixed) CCD Lines

Within a Bill, there are charges that are not directly related to Meter Readings. These include the following charges:

Table 1 - Charge to Tariff Code Mapping

Charge TYPE	CCDE Label	TCOD Label
Metered Fixed Charges	FWC	MWF
Metered Fixed Charges	FWW	MSF
Metered Drainage Charge	PD	MSW
Metered Drainage Charge	RD	MSW
Unmeasured water and waste water charges	FWC	UWF
Unmeasured water and waste water charges	FWW	USF
Unmeasured volume charge	RVW	UWC
Unmeasured volume charge	RVW	USC
Assessed Water and Waste Fixed Charge	FWC	AWF
Assessed Water and Waste Fixed Charge	FWW	ASF
Assessed Water Volume Charge	AWV	AWC
Assessed Waste Volume Charge	AWW	ASC
Trade Effluent Availability Charge	TEA	TEAC
Trade Effluent Fixed Charge	TEF	TEF
Trade Effluent Fixed Charge	UWW	MST
Taps and Trough Charge	TT	TTC
Discounts and Markup Charges	DSC	MWD
Discounts and Markup Charges	DSC	MSD
Discounts and Markup Charges	DSC	UWD
Discounts and Markup Charges	DSC	USD
Discounts and Markup Charges	DSC	TED

Segment	Data element	Data element name	Description of the contents ccd-3
CCD		CONSUMPTION/CHARGE DETAILS	CCD=
	SEQA	First Level Sequence Number	
		First Level Sequence Number	This will be an incrementing number starting at 1 for each bill
	CCDE	Charge Type Code	+
		Consumption Charge Indicator	4
		EAN Article Number	Null
		Supplier Code	See Table 1 - Charge to Tariff Code Mapping above
	TCOD	Tariff Code	+
		Tariff Code	See Table 1 - Charge to Tariff Code Mapping above
		Tariff Description	A description of the Charge Line
	TMOD	Tariff Code Modifier	+
		Tariff Modifier 1	Rateable Value. Where no Rateable Value, this will be set to '1'
		Tariff Modifier 2	Area. Where no Area, this will be set to '1'
		Tariff Modifier 3	Tariff Band. Where no Tariff Band, this will be set to '1'
		Tariff Modifier 4	NULL
	MTNR	Meter Number	+
		Meter Number	Meter serial number for Water and Waste meter-based fixed charges DPID where charge relates to trade effluent
	MLOC	Meter Location	+
		Meter Location	NULL
	PRDT	Present Reading Date	+
Present Reading Date		NULL	
PVDT	Previous Reading Date	+	
	Previous Reading Date	NULL	

	NDRP	Reading Period	+
		Reading Period	NULL
	PRRD	Reading Data	+
		Present Reading	NULL
		Type	NULL
		Previous Reading	NULL
		Type	NULL
	CONS	Consumption (Billing Units)	+
		Consumption (Billing Units)	Number of units billed.
		Unit of Measure	Unit of measure (e.g. DAY, M3, ZZ).
		Negative Indicator	Where number of units is negative, this is R.
	CONB	Consumption (Base Units)	+
		Consumption (Base Units)	Number of units billed.
		Unit of Measure	Unit of measure (e.g. DAY, M3, ZZ).
		Negative Indicator	Where number of units is negative, this is R.
	ADJF	Adjustment Factor	+
		Adjustment Factor Value	NULL
	CONA	Consumption (Adjusted Units)	+
		Consumption (Adjusted Units)	Number of units billed.
		Unit of Measure	Unit of measure (e.g. DAY, M3, ZZ).
Negative Indicator		Where number of units is negative, this is R.	
BPRI	Base Price Per Unit	+	
	Base Price Per Unit	Populated with unit cost in pence where available.	
NUCT	Number of Units for Charge Type	+	

		Units Billed	This will be the number of units being billed Where the charges relate to a Standing Charge per Day, this will be the number of days being billed Where the charge relates to annual consumption such as a Rateable Value, this will also be the number of days being billed
		Unit of Measure	DAY (M3 or ZZ also used).
		Negative Indicator	Where a charge is being credited, this is 'R'
CSDT		Charge Start Date	+
		Charge Start Date	This is the Charge Start Date in format YYMMDD
CEDT		Charge End Date	+
		Charge End Date	This is the Charge Start Date in format YYMMDD
CPPU		Price per Unit	+
		Price per Unit	The Price being charged per day in pence (or other measurement e.g. per m3)
CTOT		Total Charge for Charge Type	+
		Total Charge for Charge Type	This will represent the pence per unit
		Credit Indicator	Where the Consumption is negative, this is R
TSUP		VAT – Type of Supply	+
		VAT – Type of Supply	A (Ordinary Sale)
VATC		VAT Rate Category Code	+
		VAT Rate Category Code	Z for Zero VAT or S for Standard VAT
VATP		VAT Rate Percentage	+
		VAT Rate Percentage	The VAT rate percentage figure (e.g. 0 for zero VAT, 20000 for 20% VAT).
			,

5.2.5 Information only CCD Lines

The CCD5 segments (i.e. where consumption/charge indicator = 5) are used in the Business Stream EDI file to hold detailed information related to trade effluent charges.

Segment	Data element	Data element name	Description of the contents ccd-3
CCD		CONSUMPTION/CHARGE DETAILS	CCD=
	SEQA	First Level Sequence Number	
		First Level Sequence Number	This will be an incrementing number starting at 1 for each bill
	CCDE	Charge Type Code	+
		Consumption Charge Indicator	5
		EAN Article Number	NULL
		Supplier Code	Where the data relates to trade effluent Operating charge, TEO Where the data relates to trade effluent Availability charge, TEA Where the data relates to trade effluent allowances, TEV
	TCOD	Tariff Code	+
		Tariff Code	Where the data relates to trade effluent Operating charge, TEOC Where the data relates to trade effluent Availability charge, TEAC Where the data relates to trade effluent allowances, TEVD
		Tariff Description	Type of trade effluent component or allowance
	TMOD	Tariff Code Modifier	+
		Tariff Modifier 1	NULL
		Tariff Modifier 2	NULL
		Tariff Modifier 3	NULL
		Tariff Modifier 4	NULL
	MTNR	Meter Number	+
		Meter Number	DPID
	MLOC	Meter Location	+
		Meter Location	NULL
	PRDT	Present Reading Date	+

		Present Reading Date	NULL
PVDT		Previous Reading Date	+
		Previous Reading Date	NULL
NDRP		Reading Period	+
		Reading Period	NULL
PRRD		Reading Data	+
		Present Reading	NULL
		Type	NULL
		Previous Reading	NULL
CONS		Consumption (Billing Units)	+
		Consumption (Billing Units)	Value of component or allowance in Billing units
		Unit of Measure	ZZ or M3
		Negative Indicator	If the Units consumed is a negative figure, this will be set to R
CONB		Consumption (Base Units)	+
		Consumption (Base Units)	Value of component or allowance in Base units
		Unit of Measure	ZZ or M3
		Negative Indicator	If the Units consumed is a negative figure, this will be set to R
ADJF		Adjustment Factor	+
		Adjustment Factor Value	NULL
CONA		Consumption (Adjusted Units)	+
		Consumption (Adjusted Units)	If an Adjustment Factor Value is applied, this value will be the resulting volume from that adjustment
		Unit of Measure	ZZ or M3
		Negative Indicator	If the Units consumed is a negative figure, this will be set to R
BPRI		Base Price Per Unit	+
		Base Price Per Unit	Populated with unit cost in pence where available.
NUCT		Number of Units for Charge Type	+
		Units Billed	This will include the Consumption Units Billed for this charge line

	Unit of Measure	ZZ or M3
	Negative Indicator	Where the Consumption is negative, this is R
CSDT	Charge Start Date	+
	Charge Start Date	NULL
CEDT	Charge End Date	+
	Charge End Date	NULL
CPPU	Price per Unit	+
	Price per Unit	The price being charged in pence
CTOT	Total Charge for Charge Type	+
	Total Charge for Charge Type	This will represent the pence per unit
	Credit Indicator	Where the Consumption is negative, this is R
TSUP	VAT – Type of Supply	+
	VAT – Type of Supply	NULL
VATC	VAT Rate Category Code	+
	VAT Rate Category Code	NULL
VATP	VAT Rate Percentage	+
	VAT Rate Percentage	NULL
		'

5.2.6 Variable charge (non-consumption-based) CCD Lines

The CCD6 segments (i.e. where consumption/charge indicator = 6) are used in the Business Stream EDI file to hold details of discount-type charges.

SEGMENT	DATA ELEMENT	DATA ELEMENT NAME	DESCRIPTION OF THE CONTENTS
CCD		CONSUMPTION/CHARGE DETAILS	CCD=
	SEQA	First Level Sequence Number	
		First Level Sequence Number	This will be an incrementing number starting at 1 for each bill
	CCDE	Charge Type Code	+
		Consumption Charge Indicator	6
		EAN Article Number	Null
		Supplier Code	DSC (= Discount).
	TCOD	Tariff Code	+
		Tariff Code	MWD(metered water discount), MSD (metered waste discount), UWD (unmeasured water discount), USD (unmeasured waste discount), TED (TE discount) or SC3 (secondary charge)
		Tariff Description	A description of the Charge Line
	TMOD	Tariff Code Modifier	+
		Tariff Modifier 1	NULL
		Tariff Modifier 2	NULL
		Tariff Modifier 3	NULL
		Tariff Modifier 4	NULL
	MTNR	Meter Number	+
		Meter Number	NULL
	MLOC	Meter Location	+
		Meter Location	NULL
	PRDT	Present Reading Date	+

		Present Reading Date	NULL
PVDT		Previous Reading Date	+
		Previous Reading Date	NULL
NDRP		Reading Period	+
		Reading Period	NULL
PRRD		Reading Data	+
		Present Reading	NULL
		Type	NULL
		Previous Reading	NULL
		Type	NULL
CONS		Consumption (Billing Units)	+
		Consumption (Billing Units)	For non-contract discounts, this is the total charge amount to which the discount/mark-up applies. For contract discounts it is the same as the discount amount.
		Unit of Measure	ZZ
		Negative Indicator	Where number of units is negative, this is R.
CONB		Consumption (Base Units)	+
		Consumption (Base Units)	For non-contract discounts, this is the total charge amount to which the discount/mark-up applies. For contract discounts it is the same as the discount amount.
		Unit of Measure	ZZ
		Negative Indicator	Where a charge is being credited, this is 'R'
ADJF		Adjustment Factor	+
		Adjustment Factor Value	NULL
CONA		Consumption (Adjusted Units)	+
		Consumption (Adjusted Units)	For non-contract discounts, this is the total charge amount to which the discount/mark-up applies. For contract discounts it is the same as the discount amount.

	Unit of Measure	ZZ
	Negative Indicator	Where a charge is being credited, this is 'R'
BPRI	Base Price Per Unit	+
	Base Price Per Unit	The discount or contract mark-up percentage.
NUCT	Number of Units for Charge Type	+
	Units Billed	For non-contract discounts, this is the total charge amount to which the discount/mark-up applies. For contract discounts it is the same as the discount amount.
	Unit of Measure	ZZ
	Negative Indicator	Where a charge is being credited, this is 'R'
CSDT	Charge Start Date	+
	Charge Start Date	This is the Charge Start Date in format YYMMDD
CEDT	Charge End Date	+
	Charge End Date	This is the Charge End Date in format YYMMDD
CPPU	Price per Unit	+
	Price per Unit	The Discount percentage figure
CTOT	Total Charge for Charge Type	+
	Total Charge for Charge Type	This will represent the pence per unit
	Credit Indicator	Where the Consumption is negative, this is R
TSUP	VAT – Type of Supply	+
	VAT – Type of Supply	A (Ordinary Sale)
VATC	VAT Rate Category Code	+
	VAT Rate Category Code	Z for Zero VAT or S for Standard VAT
VATP	VAT Rate Percentage	+
	VAT Rate Percentage	The VAT rate percentage figure (e.g. 0 for zero VAT, 20000 for 20% VAT).
		'

5.2.7 VAT Lines

A VAT Line will be created for each unique VAT rate.

Segment	Data element	Data element name	Description of the contents
VAT		VAT DETAILS	VAT=
	SEQA	First Level Sequence Number	
		First Level Sequence Number	This will be an incrementing number starting at 1 for VAT line in this Bill
	NDVT	Number of Days VAT	+
		Number of Days VAT	The number of Days at this VAT Rate
	PNDP	Percentage Qualifying for Lower / Zero VAT Rate	+
		Percentage Qualifying for Lower / Zero VAT Rate	NULL
	VATC	VAT Rate Category Code	+
		VAT Rate Category Code	For the charges that are charged at the zero rate of VAT, 'Z' For the charges that are charged the Standard rate of VAT, 'S'
	VATP	VAT Rate Percentage	+
		VAT Rate Percentage	For the charges that are zero-rated for VAT, '0' For the charges that are charged the Standard rate of VAT, '20000' (i.e. 20%)
	UVLA	Total Charge for VAT Category Before VAT	+
		Total Charge Before VAT	The Total Net Amount of all the Charges for which this VAT Charge applies
		Credit Line Indicator	Where the Total is negative, 'R'
	UVTT	VAT Amount Payable	+
		VAT Amount Payable	The Total VAT Amount for this VAT Rate
		Credit Line Indicator	Where the Total is negative, 'R'
	UCSI	Total Charge for VAT Category including VAT	+
		Total Charge including VAT	The Total Net Amount of all the Charges for which this VAT Charge applies
		Credit Line Indicator	Where the Total is negative, 'R'

	NRIL	Number of Item Lines	+
		Number of Item Lines	Number of CCD Lines that are being charged this VAT Rate.
			‘

5.3 Bill trailer

Segment	Data element	Data element name	Description of the contents
BTL		BILL TRAILER	BTL=
	UVLT	Total Charge before VAT	+
		Total Charge before VAT	The Total Charge before VAT For example, where the total charge is £44.33, this will be displayed as 4433
		Credit Indicator	Where the Total is negative, 'R'
	UTVA	Bill Total VAT Amount Payable	+
		Bill Total VAT Amount Payable	The Total VAT Amount for the Bill
		Credit Indicator	Where the Total is negative, 'R'
	BABF	Balance Brought Forward	+
		Balance Brought Forward	0
	TBTL	Total Bill Amount Payable	+
		Total Bill Amount Payable	The Gross Amount for this Bill
		Credit Indicator	Where the Total is negative, 'R'
MTR		MESSAGE TRAILER	
	NOSG	Number of Segments in Message	The number of rows in this Bill (MHD, CLO, BCD, CCD, VAT, BTL, and MTR lines)
			'

6. File footer

6.1 VAT Summary

The following will appear at the bottom of the EDI file. One VAT Summary (VTS) line will appear for each VAT Rate charged within the EDI file.

SEGMENT	DATA ELEMENT	DATA ELEMENT NAME	DESCRIPTION OF THE CONTENTS
MHD		MESSAGE HEADER	MHD=
	MSRF	Message Reference	
		Message Reference	1
	TYPE	Type of Message	+
		Type	UVATLR
		Version Number	3
		,	
VTS		VAT RATE SUMMARY	VTS=
	SEQA	First Level Sequence Number	
		First Level Sequence Number	This will be an incrementing number starting at 1 for each VTS line
	VATC	VAT Rate Category Code	+
		VAT Rate Category Code	The Vat Code. Where this VAT Summary line is for the Standard Rate of VAT – S Where this VAT Summary line is for zero-rated VAT - Z
	VATP	VAT Rate Percentage	+
		VAT Rate Percentage	Where this VAT Summary line is for the Standard Rate of VAT – 20000 (20%) Where this VAT Summary line is for the VAT exemptions - 0
	USDI	File Total before VAT	+
		File Total before VAT	The Total Net Charges within this file to be charged at this VAT Rate
		Credit Indicator	Where the Total Net Charge is negative, 'R'
VTVC	File Total VAT	+	

		File Total VAT	The Total VAT Amount for all charges in this EDI file for this VAT Rate.
		Credit Indicator	Where the Total Net Charge is negative, 'R'
	UPSI	File Total including VAT	+
		File Total including VAT	The Total Gross Amount for all charges in this EDI file at this VAT Rate
		Credit Indicator	Where the Total Net Charge is negative, 'R'
			'
MTR		MESSAGE TRAILER	
	NOSG	Number of Segments in Message	The number of rows in this Bill (MHD, VTS, and MTR lines)
			'

6.2 File trailer

The following will appear at the bottom of the EDI file. One VAT Summary (VTS) line will appear for each VAT Rate charged within the EDI file.

Segment	Data element	Data element name	Description of the contents
MHD		MESSAGE HEADER	MHD=
	MSRF	Message Reference	
		Message Reference	1
	TYPE	Type of Message	+
		Type	UTLTLR
		Version Number	3
		,	
TTL		VAT RATE SUMMARY	TTL=
	FASU	Bill File Total Amount before VAT	
		Bill File Total Amount before VAT	The Total Net Charges in this file.
		Credit Indicator	Where the Total Net Charge is negative, 'R'
	UVAT	Bill File Total VAT Amount	+
		Bill File Total VAT Amount	The Total VAT Amount for all charges in this file.
		Credit Indicator	Where the Total Net Charge is negative, 'R'
	FTOP	File Total of Payment Details	+
		File Total of Payment Details	NULL
	FBAB	File Total Balance Brought Forward	+
		File Total Balance Brought Forward	NULL
	FPSU	Bill File Total Payable including VAT	+
		Bill File Total Payable including VAT	The Total Gross Amount for all charges in this EDI file
		Credit Indicator	Where the Total Net Charge is negative, 'R'
	FTNI	File Total Number of Invoices	+
		File Total Number of Invoices	The number of Bills in this file

			'
MTR		MESSAGE TRAILER	
	NOSG	Number of Segments in Message	The number of rows in this Bill (MHD, TTL, and MTR lines)
			'

Appendix 1: Changes in latest version

This section summarises any changes to this document (Business Stream's Tradacoms EDI) since published in March 2019.

- STX Segment: The structure of the unique identifier has been updated to be truly unique across all customers and accounts. This will no longer be a concatenation of Year and Month.
- CDT CIDN Element: Customer code has been updated to be a unique numeric reference for each customer. This will be the same number used in all subsequent bills.
- CDT CADD Element: Address lines will all be output in 'Customer's Address Line 1', separated by commas. Post code will still be output in 'Customer's Post Code'.
- CLO CADD Element: Address lines will all be output in 'Customer's Address Line 1', separated by commas. Post code will still be output in 'Customer's Post Code'.
- BCD INVN Element: Invoice Number will no longer be a concatenation of Customer Account Number and sequence, but instead will be a unique numeric value.
- CCD MLOC Element: Meter location is no longer available to output in the file.
- CCD MTNR Element: Meter Serial Number will appear in both CCD-3 and CCD-4 records now, providing a clearer line of sight between a meter and its fixed charges. Meter Serial Number will only appear in CCD-4 records where the fixed charges are meter-based. Site-based fixed charges will not have this populated. Where the record is for trade effluent charges, the Discharge Point ID (DPID) will be output in the Meter Number.
- CCD ADJF Element: where the meter is the main meter in a meter network, this will be used to capture the consumption for the sub meters that is to be deducted from the meter. CONA will reflect this deduction.
- CCD TMOD Element: For CCD-4 records, the Tariff Modifier fields will be used to populate additional data, where relevant to the charges. Where the data isn't available, these will be set to '1':
 - Tariff Modifier 1 = Rateable Value
 - Tariff Modifier 2 = Area
 - Tariff Modifier 3 = Tariff Band
- CCD BPRI and CPPU output will now show in pence, instead of pounds.