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**\*\* BT Bill Data Format Structure (READMEIPSC.docx) \*\***

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Release: Issue **-**1.7 Date 21/07/2015

1. FILE FORMAT ((using | as the delimiter))

1.1. DESCRIPTION

1.2. HEADER RECORD

1.3. PRODUCT CHARGES RECORD

1.4. EVENT CHARGES RECORD

* 1. ADJUSTMENTS RECORD
  2. DISCOUNT SUMMARY RECORD
  3. ADVANCED SERVICE CHARGES RECORD

1.8. TRAILER RECORD

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**\*Initial comments\***

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1. FILE FORMAT

1.1. **Description**

This document describes the layout and organisation of the new bill data extract

format(s). The bill data extract format is delivered for information purposes only.

The taxable invoice is the accompanying rtf document or paper copy via the post if requested.

Notes:

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Each of the file records will have a string definition defined as the first field.

Each of the file record types contain character Separated Variables ((using | as the delimiter)).

The data fields within each file are not in fixed positions, i.e. all fields are variable.

The file formats therefore only specify an indicative length of each field.

The file format only specifies an indicative length for each field in a record type.

All field data is not mandatory in a record type. If any data field is not present in a record, it should be Null.

**\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*Details of attributes in a record type \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\***

Field Name : Name of data field present in a record of a CSV Backup File.

Field No. : Position of data field in a record of a CSV Backup File.

Maximum Field Length : Maximum length of data field in the record.

Format : Type and format of the data field in the record (for e.g. text, number, date with specified format etc.).

Value : Possible value for data set.

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2. **Header Record**

The Customer Detail header record will be the first record in the file and will contain the following character separated bill data.

Record Type: **CUSTOMERRECORD**

===========================================================================================================

Maximum

Field Field

Field Name No. Length Format Value

===========================================================================================================

Record Type 1 Text CUSTOMERRECORD

Geneva Customer Reference 2 20 Text e.g. O/M59828700

Account Reference 3 20 Text e.g. GD55800086

Invoice Reference 4 30 Text e.g. GD55800086 M027

Bill Tax Date 5 Date (yyyymmdd) e.g. 20050101

Business Name 6 100 Text e.g. INTRONET SOLUTIONS LTD

Address name if available 7 255 Text e.g. Mr B Woods

First line of address 8 80 Text e.g. Accounts Dept

Post code 9 16 Text e.g. CR5 2HS

Customer VAT Status 10 1 Text e.g. 1, 2, 3 etc.

\*Bill Type 11 9 Text

Bill Title or Service Name 12 80 Text BT Wholesale Broadband

**\* Note *Bill Type Possible values***

Periodic 1

Interim 2

Initiation 3

Termination 4

VAT Credit 5

Budget Centre Report 6

Post Termination 7

Suspension 8

1.3. **Product Charges Record**

The following product details record will be included in the data file and will contain the following character separated bill data.

Record Type: **PRODUCTCHARGE**

=======================================================================================================================

Maximum

Field Field

Field Name No. Length Format Value

=======================================================================================================================

Record Type 1 Text PRODUCTCHARGE

Product Description 2 40 Text e.g. BT Central-, BT IPStream Home- etc

Product Tariff name 3 40 Text e.g. 500, 500 NC etc

Product Label 4 80 Text e.g. BBIP11003526

Charge Desc 5 20 Text Rental, Connection, Termination, Early Termination

Charge Reason 6 40 Text e.g. Engineering Reason

Product From Date 7 Date (yyyymmdd) e.g. 20050101

Product To Date 8 Date (yyyymmdd) e.g. 20050131

First line of address 9 80 Text e.g. CLIFFE GRANGE

Product Instance Postcode 10 16 Text e.g. ME38EU

Customer Order Number 11 20 Text e.g. ADSL0111

Quantity 12 9 Num e.g. 1,2 etc.

Units 13 40 Text e.g. Km, Mbps

Unit Rate 14 18 Num e.g. 2017

\*Product Price 15 18 Num e.g. 3600

Product Attribute 1 16 40 Num e.g. BBIP11003526

Product Attribute 2 17 40 Text Bill Description Value

Product Attribute 3 18 40 Text

Product Attribute 4 19 20 Text CBUK12345678

Product Attribute 5 20 40 Num CLI value

Product Attribute 6 21 20 Num MAC Code value

Product Attribute 7 22 40 Num Exchange ID

Product Attribute 8 23 40 Num Currently Undefined

Product Attribute 9 24 40 Num Currently Undefined

Product Attribute 10 25 40 Num Currently Undefined

VAT Status 26 2 Num 1=Std VAT, 2=VAT Exempt

\*The product Prices are in pence. Hence the value of 520 should be read as £5.2 and 3600 should be read as £36.00

1.4. **Event Charges Record**

The following event detail records will be included in the output file and will contain the following character separated bill data.

Record Type: **EVENT**

==============================================================================================================

Maximum

Field Field

Field Name No. Length Format Value

==============================================================================================================

Record Type 1 Text EVENT

Event Source 2 40 Text Event Source value.

\*Event Description 3 40 Text

Event Date 4 Date (yyyymmdd) e.g. 20041220

\*Event Cost (in millipence) 5 18 Num e.g. 2600

#1Event Attribute 1 6 40 Text

#2Event Attribute 2 7 40 Text

#3Event Attribute 3 8 40 Text

#4Event Attribute 4 9 40 Text

#5Event Attribute 5 10 40 Text

#6Event Attribute 6 11 40 Text

#7Event Attribute 7 12 40 Text

:

:

#24Event Attribute 24 29 40 Text

VAT Status 30 2 Text 1=Std VAT, 2=VAT Exempt

\*The event Prices are in millipence. Hence the value 2600 should be read as £2.60

**\*Event Description IPStream End User IPStream Generic IPStream BT Central** **IPStream Symmetric**

#1Event Attribute 1 Event Class Event Class Event Class Event Class

#2Event Attribute 2 Event Name Event Name Event Name Event Name

#3Event Attribute 3 Event Description Event Description Event Description Event Description

#4Event Attribute 4 SP Order Number SP Order Number SP Order Number SP Order Number

#5Event Attribute 5 Event Description 1 Duration Duration Network Build Cost Band

#6Event Attribute 6 Event Description 2 Charge Band Charge Band Event Description 1

#7Event Attribute 7 Event Description 3 CLI Event Description 1 Event Description 2

#8Event Attribute 8 Event Description 4 Network ID Event Description 2 Event Description 3

#9Event Attribute 9 Additional Reference MAC Code Event Description 3 Event Description 4

#10Event Attribute 10 CLI Duration Bill Display Event Description 4 Additional Reference

#11Event Attribute 11 Network ID Network ID

#12Event Attribute 12 MAC Code MAC Code

\*\*#13Event Attribute 13 AVCCount

**\*Event Description DataStream Symmetric Tiered Services Events Tiered Services Charging**

#1Event Attribute 1 Event Class Event Class Event Class

#2Event Attribute 2 Event Name Record Count Event Name

#3Event Attribute 3 Event Description Event Class Description Event Class Description

#4Event Attribute 4 SP Order Number SP Order Number

#5Event Attribute 5 Network Build Cost Band Record Count

#6Event Attribute 6 Event Description 1

#7Event Attribute 7 Event Description 2

#8Event Attribute 8 Event Description 3

#9Event Attribute 9 Event Description 4

#10Event Attribute 10 Additional Reference

#11Event Attribute 11 Network ID

#12Event Attribute 12 MAC Code

#13Event Attribute 13

**\*Event Description Advanced Services Enablement IPStream Generic - Ex VAT**

#1Event Attribute 1 Event Class Event Class

#2Event Attribute 2 Event Description Event Name

#3Event Attribute 3 SP Order Number Event Description

#4Event Attribute 4 CLI SP Order Number

#5Event Attribute 5 Network ID

**\*Event Description** **IPstream Contracted Bandwidth**

#1Event Attribute 1 Event Class

#2Event Attribute 2 Event Description

#3Event Attribute 3 BURSTED BANDWIDTH

#4Event Attribute 4 BURSTED BANDWIDTH (Mbps)

\*\* Additional Reference – Applicable for AVC charge now and the format is HH:MM:SS AM – 1 (<AVC Appointment Ref Time Stamp> - <Sequence No>)

\*Event Description **CC ISP Usage** **CC ISP Generic**

#1Event Attribute 1 Event Class Event Class

#2Event Attribute 2 Event Name Event Name

#3Event Attribute 3 Event Description Service Provider Order Number

#4Event Attribute 4 BANDWIDTH VOLUME (Gbytes) Charge Reason

#5Event Attribute 5 UNIT RATE (In GBP)

#67Event Attribute 6 TRAFFIC TYPE

#7Event Attribute 7 DELIVERY SERVICE ID

**\*Event Description IPStream Generic (Non VAT)**

#1Event Attribute 1 Event Class

#2Event Attribute 2 Event Name

#3Event Attribute 3 Event Description

#4Event Attribute 4 SP Order Number

#5Event Attribute 5 Duration

#6Event Attribute 6 Charge Band

#7Event Attribute 7 CLI

#8Event Attribute 8 Network ID

#9Event Attribute 9 MAC Code

#10Event Attribute 10 Duration Bill Display

1.5. **Adjustments Record**

The following adjustment records will be included in the output file and will contain the following data.

Record Type: **ADJUSTMENTS**

======================================================================================================================

Maximum

Field Field

Field Name No. Length Format Value

======================================================================================================================

Record Type 1 Text ADJUSTMENT

Adjustment name 2 40 Text e.g. AFW Charge Correction

Adjustment free text field 3 255 Text e.g. ,Qualifying End Users 325, CBC

Adjustment Date 4 Date (yyyymmdd) e.g. 20041210

\*Net value of adjustment i.e. can be '+' or '-' 5 18 Num e.g. 3600

VAT Status 6 2 Text 1=Std VAT, 2=VAT Exempt

\*The Adjustments are in pence. Hence the value of 520 should be read as £5.2 and 3600 should be read as £36.00.

1.6. **Discount Summary Record**

The following discount summary record will be included in the output file and will contain the following data.

Record Type: **DISCOUNTSUMMARY**

=========================================================================================================

Maximum

Field Field

Field Name No. Length Format Value

=========================================================================================================

Record Type 1 Text DISCOUNTSUMMARY

Eligible rental 2 18 Num Rental Amount

Total Volume Discount 3 18 Num Total volume discount amount

1.7. **Advanced Services Charges Record**

The following advanced services detail records will be included in the output file and will contain the following character separated bill data.

Record Type: **EVENT**

===========================================================================================================

Maximum

Field Field

Field Name No. Length Format Value

===========================================================================================================

Record Type 1 EVENT

Event Source 2 40 Text Account Number

Event Description. 3 40 Text e.g. QoS Session Events, QoS Initiation Events

Event Date. 4 Date (yyyymmdd) e.g. 20041210

\*Event Cost 5 18 Num e.g. 2600

Event Attribute 1 6 40 Text Charge Type

Event Attribute 2 7 40 Text Record Count

Event Attribute 3 8 40 Text Charge Description

Event Attribute 4 9 40 Text Minutes

Event Attribute 5 10 40 Text

Event Attribute 6 11 40 Text

Event Attribute 7 12 40 Text

Event Attribute 8 13 40 Text

:

:

Event Attribute 24 29 40 Text

VAT Status 30 2 Text 1=Std VAT, 2=VAT Exempt

\*The event Prices are in millipence. Hence the value 2600 should be read as £2.60

1.8. **Trailer Record**

The following single trailer record will be included in the output file.

Record Type: **BILLSUMMARYRECORD**

=======================================================================================================================

Maximum

Field Field

Field Name No. Length Format Value

=======================================================================================================================

Record Type 1 Text BILLSUMMARYRECORD

Net total of total bill charges 2 18 Num Total Amount Due

Total VAT due on bill. 3 18 Num VAT Amount

Net total of charges, NOT subject to VAT 4 18 Num Total Charges and Credits not subject to VAT Amount

Invoice total due including any VAT 5 18 Num Total Amount Due for Invoice

Summary total of all one-off charges 6 18 Num Total One-Off Charges Amount

Summary total of all periodic charges 7 18 Num Total Rental Charges Amount

Summary total of all event charges 8 18 Num Total Event Charges Amount

Summary total of all non product/event charges 9 18 Num Total Non Product/Event Charges Amount

Summary total of all volume discounts 10 18 Num Total Discount Value Amount

Summary total of all advanced service charges 11 18 Num Total Advanced Service Charges Amount

Summary total of all the Ipstream 12 18 Num Total Content Connect Charges

Connect Connect

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