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

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Release: Issue 1.28 Date 16/01/2019

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

* 1. DESCRIPTION
	2. HEADER RECORD
	3. PRODUCT CHARGES RECORD
	4. EVENT CHARGES RECORD
	5. ADJUSTMENTS RECORD
	6. SESSION BASED CHARGES RECORD
	7. USAGE BASED CHARGES RECORD
	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 organization 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 ebill.

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.

All data fields are not mandatory in different record type. If any data field is not present record then it should have Null Value.

\*\*\*\*\*\*\*\*\*\*\*\***EACH RECORD TYPE CONTAINS FOLLOWING ATTRIBUTES**\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

Field Name : Name of the field in the record of Bill Backup file.

Field No : Position in the record of Bill Backup file.

Maximum field Length : Maximum field length of each field.

Format : This describe the format of the field like Number, Text, YYYYMMDD

Value : This field indicates the value or examples of possible values

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**1.2. Header Record**

The Customer Detail header record will be the first record in the file and

contain the following character separated bill data.

Record Type: CUSTOMERRECORD

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

 Maximum

 Field Field

Field Name No. Length Format Value

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Record Type 1 Text CUSTOMERRECORD

Geneva Customer Reference 2 20 Text e.g. O/M000000001

Account Reference 3 20 Text e.g. GD55800099

Invoice Reference 4 20 Text e.g. GD55800099 M042

Bill Tax Date 5 DATE e.g. 20050427

Business Name 6 40 Text e.g. BROADBAND CO.

Address name if available 7 100 Text e.g. Ms. P. Taylor

First line of address 8 80 Text e.g. Caroline Green

Post code 9 16 Text e.g. BT1 3LT

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 Connect

\*POSSIBLE BILL TYPE

1 Periodic

2 Interim

3 Initiation

4 Termination

5 VAT Credit

6 Budget Center Report

7 Post Termination

8 Suspension

**1.3. Product Charges Record**

The following product details record will be included in the data file

and contain the following character separated bill data.

Record Type: PRODUCTCHARGE

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

 Maximum

 Field Field

Field Name No. Length Format Value

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

Record Type 1 PRODUCTCHARGE

Product Description 2 40 Text e.g. End User Access

Product Label 3 20 Text e.g. BBEU6000000

Charge Desc 4 20 Text e.g. Rental,Connection,Termination,Increase

Product from date 5 DATE e.g. 20070301

Product to date 6 DATE e.g. 20070331

Customer order number 7 20 Text e.g. B172829

\*Quantity 8 9 Num e.g. 10

\*Unit 9 5 Text e.g. Mbps, Link(s)

Unit Rate (In pence) 10 18 Num e.g. 500000

Product Price (In pence) 11 18 Num e.g. 5000000

\*Product Attribute 1 12 40 Text Service ID

\*Product Attribute 2 13 40 Text Technology

\*Product Attribute 3 14 40 Text Exchange Id/Reason

\*Product Attribute 4 15 40 Text Exchange Band/EP Bandwidth

\*Product Attribute 5 16 40 Text Bill Description

\*Product Attribute 6 17 40 Text Reason

\*Product Attribute 7 18 40 Text Real Time

\*Product Attribute 8 19 40 Text Assured

\*Product Attribute 9 20 40 Text Traffic Weighting

\*Product Attribute 10 21 40 Text Access Line Rate

\* VAT Status 22 2 Text (e.g 1=Std VAT, 2=VAT Exempt)

\*Product Attribute 11 23 40 Text Transition Pricing

\*Product Attribute 12 24 40 Text Market B Offer

\*Product Attribute 13 25 40 Text FVA Linkage Discount

\*Product Attribute 14 26 40 Text Self Install

\*Product Attribute 15 27 40 Text FTTP On Demand

\*Product Attribute 16 28 40 Text OpenreachModem

\*Product Attribute 17 29 40 Text StartOrderStatus

\*Product Attribute 18 30 40 Text AccessLineId

\*Product Attribute 19 31 40 Text SoGEA New Line flag e.g. Yes/Blank

(It denotes SoGEA New Line connection has been charged in current bill)

\*Product Attribute 20 32 40 Text Charging Category

\*Product Attribute 21 33 40 Text Connection Charge Type

#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

**##Product Description End User Access Aggregation Point Extension Path (Standard/Direct)**

\*Product Attribute 1 Service ID Service ID Service ID

\*Product Attribute 2 Technology

\*Product Attribute 3 Exchange Id Reason Reason

\*Product Attribute 4 Exchange Band Bandwidth

\*Product Attribute 5 Bill Description Bill Description Bill Description

\*Product Attribute 6 Reason

\*Product Attribute 7 Real Time(Value/Blank)

\*Product Attribute 8 Assured

\*Product Attribute 9 Traffic Weighting(Value/Blank)

\*Product Attribute 10 Access Line Rate

\*Product Attribute 11 Transition Pricing

\*Product Attribute 12 Asset under Market B Offer

\*Product Attribute 13 FVA Linkage Discount

\*Product Attribute 14 Self Install (Yes/No)

\*Product Attribute 15 FTTP On Demand (Yes)

\*Product Attribute 16 OpenreachModem (Yes/No)

\*Product Attribute 17 StartOrderStatus (Yes)

\*Product Attribute 18 AccessLineId

\*Product Attribute 19 SoGEA New Line flag (Yes/Blank)

\*Product Attribute 20 Charging Category

\*Product Attribute 21 Connection Charge Type

**Product Description Maintenance Category Channel Details Origin Server**

\*Product Attribute 1 Service ID Service ID

\*Product Attribute 2 Channel Name

\*Product Attribute 3 Definition

\*Product Attribute 4

\*Product Attribute 5 Bill Description

\*Product Attribute 6

\*Product Attribute 7

\*Product Attribute 8

\*Product Attribute 9

\*Product Attribute 10

\*Product Attribute 11

**Product Description FVA Connectivity Set FVA Interconnect**

\*Product Attribute 1 Service ID Service ID

\*Product Attribute 2 Technology Type Technology Type

\*Product Attribute 3 Exchange Id Associated Service ID

\*Product Attribute 4 Bandwidth Bandwidth

\*Product Attribute 5 Bill Description Bill Description

\*Product Attribute 6 Reason Reason

\*Product Attribute 7 CVLAN Interconnect Option

\*Product Attribute 8 Interconnect Type

\*Product Attribute 9

\*Product Attribute 10

\*Product Attribute 11

**##Product Description EUAC Real Time Bandwidth EUAC Traffic Weighting Elevated**

\*Product Attribute 1 Service ID Service ID

\*Product Attribute 2 Technology Technology

\*Product Attribute 3

\*Product Attribute 4

\*Product Attribute 5 Bill Description Bill Description

\*Product Attribute 6

\*Product Attribute 7 Real Time

\*Product Attribute 8

\*Product Attribute 9 Traffic Weighting

\*Product Attribute 10

\*Product Attribute 11

\*Product Attribute 12

\*Product Attribute 13

\*Product Attribute 14

\*Product Attribute 15

\*Product Attribute 16

\*Product Attribute 17

\*Product Attribute 18

\*Product Attribute 19

\*Product Attribute 20 Charging Category Charging Category

**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 EVENT

Event Source field (e.g. Service Id) 2 40 Text e.g. BBEU700000

\*Event Description 3 40 Text Other Charges

Event Date 4 DATE e.g. 20070301

Event Cost (in decipence) 5 18 Num e.g. 25000

#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 Num

#6Event Attribute 6 11 40 Text

#7Event Attribute 7 12 40 Text

#8Event Attribute 8 13 40 Text

:

:

Event Attribute 24 29 40 Text

VAT Status 30 2 (e.g. 1=Std VAT, 2=VAT Exempt)

Note: The event Prices are in decipence. Hence the value 2600 should be read as £2.60.

 Examples of Event Attributes:

 \*Event Attribute 2: e.g. Modify AP Total

 \*Event Attribute 3: e.g. Charge for Modify of AP Real Time

 \*Event Attribute 4: e.g. B172829

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

 **/Other Charges (Non VAT)**

#1Event Attribute 1 Event Class Event Class Event Class

#2Event Attribute 2 Event Name Event Name Event Name

#3Event Attribute 3 Event Description Event Description Service Provider Order Number

#4Event Attribute 4 Customer Order Number BANDWIDTH VOLUME(Gbytes) Charge Reason

#5Event Attribute 5 Duration/Visits UNIT RATE (In GBP)

#6Event Attribute 6 TRAFFIC TYPE

#7Event Attribute7 Delivery Service Id

#8Event Attribute8 CSP Name

**\*Event Description TVC Usage TVC Generic/TVC Generic (Non VAT)**

#1Event Attribute 1 Charge Type Charge Type

#2Event Attribute 2 Charge Description Charge Description

#3Event Attribute 3 EU Count (Number of new ports) SP Order Number

#4Event Attribute 4 Unit Rate/EU

Event Description Origin Server Storage Usage

#1Event Attribute 1 Charge Type

#2Event Attribute 2 Charge Description

#3Event Attribute 3 Committed Storage (GB)

#4Event Attribute 4 Rounded Peak Storage (GB)

#5Event Attribute 5 Absolute Burst Storage (GB)

#6Event Attribute 6 CSP Name

**\*Event Description WBC Generic**

#1Event Attribute 1 Event Class

#2Event Attribute 2 Event Name

#3Event Attribute 3 Event Description

#4Event Attribute 4 Customer Order Number

#5Event Attribute 5 Duration/Visits

**1.5. Adjustments Record**

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

contain the following data.

Record Type: ADJUSTMENTS

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

 Maximum

 Field Field

Field Name No. Length Format Value

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

Record Type 1 ADJUSTMENT

Adjustment Name 2 40 Text e.g. WBC EUA Connection

Adjustment free text field 3 255 Text e.g. Adjustment to WBC End User Access

Connection charge

Adjustment Date 4 DATE e.g. 20070301

Net value of adjustment (can be + or -) 5 18 Text e.g. 10250

VAT Status 6 2 Text (e.g. 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. Session Based Charges**

The following session based charges detail records will be included in the output file and

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 field 2 40 Text e.g. BBEU6000000, 0455800213

\*Event Description 3 40 Text e.g. Session Based Charges

\*\*Event Date 4 DATE

Event Cost (in decipence) 5 18 Num e.g. 20000

\*Event Attribute 1 6 40 Text Event Class

\*Event Attribute 2 7 40 Text Event Description

\*Event Attribute 3 8 18 Num Minutes

\*Event Attribute 4 9 18 Num Record Count

 Event Attribute 5 10 40

 Event Attribute 6 11 40

:

:

Event Attribute 24 29 40

VAT Status 30 2 (e.g. 1=Std VAT, 2=VAT Exempt)

Note: The event Prices are in decipence. Hence the value 2600 should be read as £2.60.

Event Description will contain value Session Based Charges.

Examples of Event Attributes:

\*Event Attribute 1: e.g. WBC Session Initiation charges,

\*Event Attribute 2: e.g. WBC Band-1 Session Duration charges\*Event Attribute 3: e.g. 274

\*Event Attribute 3: e.g. 274 / WBC Real Time Opt In charges

\*Event Attribute 4: e.g. 163

\*\* Event date will not be applicable for Session Initiation and Session duration charges as these charges are agreegated at CP level now.

**1.7. Usage Based Charges**

The following usage based charges detail records will be included in the output file and

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 field 2 40 Text e.g. BBAP6000000

\*Event Description 3 40 Text e.g. Usage Based Charges

Event Date 4 DATE

Event Cost (in decipence) 5 18 Num e.g. 20000

\*Event Attribute 1 6 40 Text Bandwidth Type

\*Event Attribute 2 7 40 Text Contracted Bandwidth

\*Event Attribute 3 8 40 Text Overcapacity Bandwidth

\*Event Attribute 4 9 18 Num Peak Percentage

 Event Attribute 5 10 40

\*Event Attribute 6 11 18 Num Prorate Period

:

:

Event Attribute 24 29 40

VAT Status 30 2 (e.g. 1=Std VAT, 2=VAT Exempt)

Note: The event Prices are in decipence. Hence the value 2600 should be read as £2.60.

Event Description will contain value Usage Based Charges.

Examples of Event Attributes:

\*Event Attribute 1: e.g. TOTAL

\*Event Attribute 2: e.g. 200

\*Event Attribute 3: e.g. 20

\*Event Attribute 4: e.g. 10.20

\*Event Attribute 6: e.g. 31

**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

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Record Type 1 BILLSUMMARYRECORD

Net total of total bill charges 2 18 Num e.g. 5867825

Total VAT due on bill. 3 18 Num e.g. 1026869

Net total of charges, NOT subject to VAT, 4 18 Num e.g. 0

Invoice total due including any VAT 5 18 Num e.g. 6894694

Summary total of all one-off charges 6 18 Num e.g. 5241000

Summary total of all periodic charges 7 18 Num e.g. 6000

Summary total of all event charges 8 18 Num e.g. 2500

Summary total of all non product/event charges 9 18 Num e.g. 1025

Summary total of all session based charges 10 18 Num e.g. 617300

Summary total of all usage based charges 11 18 Num e.g. 46300

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

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**\*\* End of Document \*\***

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