



CMP 8.13

Extracts Guide

Version 1.0

Classification: **Customer Confidential**

Find out how MDS Global makes it easy

mdsglobal.com

Copyright

© MDS Global 2023

THE CONTENTS OF THIS DOCUMENT ARE THE COPYRIGHT OF MDS GLOBAL LTD. ALL RIGHTS RESERVED. THIS DOCUMENT OR PARTS THEREOF MAY NOT BE REPRODUCED IN ANY FORM WITHOUT THE WRITTEN PERMISSION OF MDS GLOBAL.

Confidentiality

This document contains information that is proprietary to MDS Global and is confidential. The original recipient of this document may duplicate this document in whole or in part for internal distribution only, provided that this entire notice appears in all copies. This document and its contents may not otherwise be reproduced, distributed or disclosed. The recipient agrees to make every effort to prevent the unauthorised use, distribution or disclosure of the proprietary information contained in this document.

Disclaimer

No representation or warranty is contained in, made or given by this document or the information contained within it and no warranty or representation is made or to be implied that the information contained in this document is complete, up to date, accurate or fit for the purpose for which this document is supplied. In no event shall MDS Global be liable for incidental or consequential damages or loss in connection with, or arising from its use, whether MDS Global was made aware of the probability of such damages or loss arising or not.

Trademarks

The grey and red symbol above is an unregistered trademark of MDS Global Ltd. Other trademarks referred to within this document are the property of their respective trademark holders.

Contact Details

Please visit www.mdsglobal.com for further information on MDS Global products, solutions and services.

ISO 22301 standard is applicable to MDS Global Business Operations.



Table of Contents

Table of Contents	ii
Version Control	iii
Terms Used in this Document	iv
1.0 Introduction	1
1.1 Required Reading	1
2.0 Data Warehouse Extracts	2
2.1 Overview	2
2.2 Scheduling	3
2.3 Flow	3
3.0 Data Warehouse Output Files	4
3.1 Format	4
3.2 Version Number	4
3.3 Collection	4
3.4 File Naming	5
3.5 Housekeeping	5
3.6 Systems Monitoring	5
4.0 Data Warehouse Data Dictionary	6
4.1 Field Rules	6
4.2 Customer Data Extracts	7
4.2.1 Account Analytics	7
4.2.2 Agreement Analytics	8
4.2.3 Billed Usage Analytics	9
4.2.4 Invoice Detail	12
4.2.5 Payment Details Analytics	14
4.2.6 Prepaid Usage	16
4.2.7 Purchase Analytics	17
4.2.8 Statement Analytics	19
4.2.9 Subscription Analytics	20
4.2.10 Subscription Features	23
4.2.11 Subscription Service	24
4.2.12 Transaction Detail Analytics	25
4.2.13 Unbilled Usage Analytics	26
4.2.14 Unallocated Usage Analytics	28

Version Control

Version	Issue Date	Author	Comments
Version 1.0	01 November 2023	MDS	CMP 8.13 Release - No changes since the last release.

Terms Used in this Document

For definitions and explanations of the terms, abbreviations and acronyms used in this document, please see the *CMP Glossary* document.

1.0 Introduction

The Cloud Monetisation Platform (CMP) provides Data Warehouse (DWH) extracts. This guide describes the standard MDS Global extracts, the process for extraction, and the data extracted.

1.1 Required Reading

This document assumes prior knowledge to the *CMP Overview* and *Operational Overview* documentation.

2.0 Data Warehouse Extracts

2.1 Overview

The DWH extract is made up of separate outputs covering the lifecycle of the customer. All data is retrieved from the CMP database.

The DWH extract is produced by CMP batch process, comprising batch jobs such as the Unbilled Usage Analytics job, that can be run manually or scheduled using the CMP Administration Console. The following table lists the batch jobs, the parameters that they take, and the extracts that they produce:

Batch Job	Parameters	Extract
Account Analytics	Full/Partial*	"Account Analytics" on page 7
Agreement Analytics	Full/Partial	"Agreement Analytics" on page 8
Billed Usage Analytics	Invoice Run #	"Billed Usage Analytics" on page 9
Invoice Detail Analytics	Full/Partial	"Invoice Detail" on page 12
Payment Detail Analytics	Full/Partial	"Payment Details Analytics" on page 14
Prepaid Usage Analytics	Extract Date**	"Prepaid Usage" on page 16
Purchase Analytics	Full/Partial	"Purchase Analytics" on page 17
Statement Analytics	Full/Partial	"Statement Analytics" on page 19
Subscription Analytics	Full/Partial	"Subscription Analytics" on page 20
Subscription Feature Analytics	Full/Partial	"Subscription Features" on page 23
Subscription Service Analytics	Full/Partial	"Subscription Service" on page 24
Transaction Detail Analytics	Full/Partial	"Transaction Detail Analytics" on page 25
Unallocated Usage Analytics	Full/Partial	"Unallocated Usage Analytics" on page 28
Unbilled Usage Analytics	Extract Date	"Unbilled Usage Analytics" on page 26
<p>* Full mode retrieves all records. Partial mode retrieves all new records since the job was last run. The job checks the interface batch header for the last record produced. If no record is found, it runs in Full mode.</p> <p>** For jobs that take Extract Date as a parameter, the current date is used if no date is provided. The job retrieves records up to, but not including the Extract Date provided.</p>		



For more information about these extract jobs, see the [CMP Batch Jobs and JSON Schemas Guide](#). See also the jobs descriptions provided in the CMP Administration Console.

2.2 Scheduling

In MDS Global Business Operations implementations, the MDS Application & Billing team is responsible for scheduling the process.

In licence-only or Business Operations Partner implementations, the party responsible for operating CMP must determine the most appropriate point in the daily batch schedule to run the extract.

2.3 Flow

The start point for the extract is the submission of the process; either manually through the CMP Administration Console or automatically using the Console's scheduling function.

Error scenarios in the process can prevent the extract being produced. In such scenarios, the appropriate error is written to the operations message queue so that monitoring tools (such as Nimsoft) can trigger alerts/alarms. Administration Console probes can also be used as quality measures.

Successfully completed extracts are placed on the file system of the CMP server for collection by the consuming party (usually the service provider).

3.0 Data Warehouse Output Files

3.1 Format

Files are comma delimited csv files. Character fields will be enclosed with quotation marks, for example "text".

If the extract is related to customer structure, for example Subscription, Account or Agreement, a file will always be produced, even if it consists of just two lines: the version number and a list of fields. This applies when extracts are run in both FULL or PARTIAL mode.

3.2 Version Number

Output files always include a version number as the first line of the output. All output formats start at Version 1.0. Each time an extract batch job is updated and this affects the output format, the version number is incremented: Version 1.1, Version 1,2 and so on. This enables customers to determine whether they are looking at the latest extracts:

Version 1.00							
A	B	C	D	E	F	G	
1	Version 1.00						
2	Subscription	Usage Date Time	Network Code	Usage Class	Usage Class Description	Company Number	Service Code
3	11008	2020-12-31T12:03:	OCS	NONGEO	Non-Geographic Call	1	NONGEO
4	11008	2020-12-31T12:36:	OCS	INTTEXT	International Text Messa	1	INTSMS
5	11008	2020-12-31T00:49:	OCS	EUVOICE	EU Voice Call	1	EUVCE
6	5000068	2020-12-31T08:22:	OCS	NONGEO	Non-Geographic Call	1	NONGEO
7	5000068	2020-12-31T02:43:	OCS	INTTEXT	International Text Messa	1	INTSMS
8	5000068	2020-12-31T04:38:	OCS	EUDATA	EU Data	1	EUDATA
9	5000060	2020-12-31T17:10:	OCS	EUDATA	EU Data	1	EUDATA
10	5000060	2020-12-31T16:24:	OCS	INTTEXT	International Text Messa	1	INTSMS

3.3 Collection

Extract files are placed in a predefined location on the file system of the CMP server. The consumer of the files needs to pull files via File Transfer Protocol (FTP), or where required, Secure File Transfer Protocol (SFTP).

A user profile is needed to access the file system.

3.4 File Naming

The configurable file naming convention is as follows:

<fileNamePrefix> - extract ID - partition ID -
<fileNameSuffix>.csv, where:

- <fileNamePrefix> = DWHExtract
- <fileNameSuffix> = a descriptive name of the extract

Example: DWHExtract-55141-1-Unbilled_Usage_Analytics.csv

3.5 Housekeeping

The extract process does not perform housekeeping of the output directory on the CMP file system. An operational process needs to define what happens to files once they are collected.

Files can be deleted, renamed or moved to an archive folder.

3.6 Systems Monitoring

Monitoring should be put in place to raise alerts if errors are found and/or if the success message is not output by a given time of day. The CMP Administration probes and alerts functions can be used to monitor quality and alert users.

4.0 Data Warehouse Data Dictionary

4.1 Field Rules

The following rules apply for the Customer Data and Configuration Data extract fields in the "Customer Data Extracts" on the next page .

- All fields are comma (,) delimited with no leading or trailing record comma.
- Numeric amounts are not encased by quotation marks, for example 123.
- Alphanumeric fields are not encased by quotation marks, for example ,TARIFF.
- Date/time fields are not encased by quotation marks, for example 2020-07-17T10:01:17+0100.
- A non-monetary numeric amount is a straight forward character conversion. If the value is zero it is represented as ,0,.
- For monetary amounts, an edit code is applied for formatting purposes:

12345.67	Debit amount
12345.67-	Credit amount
.00	Zero

Additionally if the amount is 0.67, the leading 0 is dropped and represented as .67 (or .67- if credit amount).

4.2 Customer Data Extracts

The following extracts provide customer data such as account, agreement, subscription, service, and invoice details. Extracts also provide details on payments, billed and unbilled usage, prepaid usage, purchases and transactions.

4.2.1 Account Analytics

Data is only considered up to midnight of the previous day. This is to ensure a common cut-off date across all Data Warehouse output.

Column Heading	Unique?	Type	Length	Details
Account Number	Y	Numeric	8,0	CMP Account Number
Company Number		Alphanumeric	3	CMP Company Number
Account Type Code		Alphanumeric	3	3-digit indicator of account type
Account Type Description		Alphanumeric	30	Text description of account type
Billing Media Code		Alphanumeric	6	The CMP code that indicates the type of billing media, for example, ONLINE (used for non-subscription invoicing)
Billing Media Code Description		Alphanumeric	30	Text description of the billing media, for example online billing, paper
Payment Type Code		Alphanumeric	6	CMP code that indicates the payment type associated with the account, for example, MANUAL
Payment Type Code Description		Alphanumeric	30	Text description of the payment type code, for example Manual Payment
Last Invoice Date		Numeric	25,0	Date last invoice created in CMP. YYYY-MM-DD HH:MM:SS format (used for non-subscription invoicing)
Next Expected Invoice Date		Numeric	25,0	The next expected invoice date in CMP. YYYY-MM-DD HH:MM:SS format (used for non-subscription invoicing)
Account in Query		Alphanumeric	1	Either 1=Yes or 0=No
Account Balance		Numeric	11,2	Amount to 2 decimal places, positive or negative

Column Heading	Unique?	Type	Length	Details
Amount Overdue		Numeric	11,2	Amount to 2 decimal places if populated, positive or negative
Amount Query		Numeric	11,2	Amount in query, positive or negative
Is Ignore CC Procedure		Alphanumeric	1	Either 1=Yes or 0=No
Account Name		Alphanumeric	60	Delivery Address Name
Address Line 1		Alphanumeric	40	First line of the address to which the bill is sent
Address Line 2		Alphanumeric	40	Second line of the address to which the bill is sent
Address Line 3		Alphanumeric	40	Third line of the address to which the bill is sent
Address Line 4		Alphanumeric	40	Fourth line of the address to which the bill is sent
Address Line 5		Alphanumeric	40	Fifth line of the address to which the bill is sent
Post Code		Alphanumeric	10	Post code of the address to which the bill is sent
Date Time Created		Numeric	25,0	Date record created in CMP. YYYY-MM-DD HH:MM:SS format
Created By		Alphanumeric	10	User ID of user who created the record
Date Time Changed		Numeric	25,0	Date record changed in CMP. YYYY-MM-DD HH:MM:SS format
Changed By		Alphanumeric	10	User ID of user who changed the record
Data Extract Date		Numeric	7,0	Date that the data above was extracted from CMP. YYYY-MM-DD format

4. 2. 2 Agreement Analytics

Data is only considered up to midnight of the previous day. This is to ensure a common cut-off date across all Data Warehouse output.

Column Heading	Unique?	Type	Length	Details
Agreement Num-	Y	Numeric	8,0	CMP Agreement Number

Column Heading	Unique?	Type	Length	Details
ber				
Account Number		Numeric	8,0	CMP Account Number
Bill Cycle		Numeric	2,0	Bill cycle day of the month
Billing Media		Alphanumeric	6	CMP code for the Billing media, for example, ONLINE, PAPER
Billing Media Description		Alphanumeric	30	Text description of the Billing media, for example, Online Billing
Billing Frequency		Numeric	2,0	The frequency of the billing, in months
Next Expected Invoice Date		Numeric	25,0	Date of next invoice as held on the Agreement file in CMP. YYYY-MM-DD HH:MM:SS format
First Invoice Date		Numeric	25,0	Date of first invoice. YYYY-MM-DD HH:MM:SS format
Last Invoice Date		Numeric	25,0	Date of last invoice. YYYY-MM-DD HH:MM:SS format
Last Invoice Run Number		Numeric	8,0	Last CMP run number
Date Time Created		Numeric	25,0	Date record created in CMP. YYYY-MM-DD HH:MM:SS format
Created By		Alphanumeric	10	User ID of user who created the record
Date Time Changed		Numeric	25,0	Date record changed in CMP. YYYY-MM-DD HH:MM:SS format
Changed By		Alphanumeric	10	User ID of user who created the record
Data Extract Date		Numeric	7,0	Date that the data above was extracted from CMP. YYYY-MM-DD format

4. 2. 3 Billed Usage Analytics

Data is only considered up to midnight of the previous day. This is to ensure a common cut-off date across all Data Warehouse output.

Column Header	Unique?	Type	Length	Details
Rated Usage Identifier	Y	Numeric		ID for the rated usage

Column Header	Unique?	Type	Length	Details
Usage Date Time		Numeric	25,0	The date and time the usage took place. YYYY-MM-DD HH:MM:SS format
Usage Processed Date Time		Numeric	25,0	The date and time the usage records were processed. YYYY-MM-DD HH:MM:SS format
Usage External Identifier		Numeric		ID used by external third party for usage
Network Code		Alphanumeric	6,0	CMP code for the network
Usage Class		Alphanumeric	12,0	CMP code for the usage class, for example, DOMDATA
Usage Class Description		Alphanumeric	30,0	Text description of the Usage Class code, for example, Domestic Data
Company Number		Numeric	3	CMP ID number for the company
Service Code		Alphanumeric	6,0	CMP Code for the pricing service associated with the usage, for example, EUDATA
Service Description		Alphanumeric	30,0	Text description of the pricing service associated with the usage, for example, Euro Roaming Data
Service Group		Alphanumeric	6,0	The CMP Code for the group to which the service belongs, for example, USAGE
Service Group Description		Alphanumeric	30,0	Text description of the service group to which the service belongs, for example, Usage
Network Serial Number		Numeric	10,0	Serial number of the network associated with the usage
Subscription		Numeric	7,0	CMP subscription number
Destination		Alphanumeric		The dialled number, or for data, a text description
Usage Type		Numeric		CMP code for the usage type
Usage Type Description		Alphanumeric		Text description of the usage type
Invoice Number		Numeric		The number of the invoice that bills for

Column Header	Unique?	Type	Length	Details
				this usage
Wholesale charge		Numeric	11,4	The wholesale charge of the usage, to 4 decimal places
Retail Charge		Numeric	11,4	The retail price of the usage, to 4 decimal places
Access Charge		Numeric	11,4	If there is an access charge for the usage, the amount to 4 decimal places
Service Charge		Numeric	11,4	If there is a charge for the service, the amount to 4 decimal places
Actual usage units		Numeric		The actual amount of usage consumed, in units
Billable Usage Units		Numeric		The amount of usage consumed, in units, that was invoiced for
Pre-paid Units		Numeric		The amount of prepaid usage that was consumed, in units
Pre-paid Duration		Numeric		The duration of the pre-paid usage
Pre-paid Retail Price		Numeric	11,4	The retail price of the pre-paid usage, to 4 decimal places
Generic String1		Alphanumeric		Generic string content
Generic String2		Alphanumeric		Generic string content
Generic String3		Alphanumeric		Generic string content
Generic String4		Alphanumeric		Generic string content
Generic String5		Alphanumeric		Generic string content
Generic String6		Alphanumeric		Generic string content
Generic String7		Alphanumeric		Generic string content
Generic String8		Alphanumeric		Generic string content
Generic String9		Alphanumeric		Generic string content
Generic String10		Alphanumeric		Generic string content
Generic Integer1		Numeric		Generic integer content
Generic Integer2		Numeric		Generic integer content
Generic Integer3		Numeric		Generic integer content
Generic Integer4		Numeric		Generic integer content
Audit Timestamp		Numeric	25,0	The date and time of audit. YYYY-MM-DD HH:MM:SS format
Audit User		Alphanumeric		User name of user who last changed

Column Header	Unique?	Type	Length	Details
				data
Usage Direction		Alphanumeric	2,0	The code for the usage direction, either MO or MT
Mobile Country Code		Numeric	3,0	3-digit mobile telephone code for the country associated with the usage, for example 234 for United Kingdom
Country Name		Alphanumeric	30,0	The name of the country associated with the mobile code, e.g. Ireland for code 272
Mobile Network Operator		Numeric	3,0	The mobile telephone number code for the network operator associated with the usage e.g. 15 for Vodaphone
Mobile Network Operator Name		Alphanumeric	30,0	The name of the network operator associated with the mobile network operator code
Discount Value		Numeric	11,4	The value of any discount applied to the billed usage
Data Extract Date		Numeric	7,0	Date and time this extract was created. YYYY-MM-DD format

4. 2. 4 Invoice Detail

Data is only considered up to midnight of the previous day. This is to ensure a common cut-off date across all Data Warehouse output.

Column Heading	Unique?	Type	Length	Details
InvoiceNumber	Y	Numeric	8,0	CMP Invoice Number
Invoice TaxDate		Numeric	7	Invoice date for the invoice the invoice detail line is associated with
Statement Number		Numeric	8,0	The CMP ID number for the statement associated with this invoice
AccountNumber		Numeric	8,0	CMP Account Number
TariffCode		Alphanumeric	6,0	CMP Tariff Code associated with the subscription
TariffDescription		Alphanumeric	30,0	Text description of the Tariff Code associated with the subscription

Column Heading	Unique?	Type	Length	Details
Servicecode		Alphanumeric	6	Service Code
ServiceDescription		Alphanumeric	30	CMP Service Description
Service Category Code		Alphanumeric	1	The category code for the service: A= Unit B = Sales Ledger D = Subscription Serial Number E = Invoice Adjustments T =Account Service 5 = Subscription Service 9 = Discount F = Sales Order Processing
Service Category Description		Alphanumeric	30,0	The text description of the service category as represented by the category code above
Sales Ledger Adjustment		Alphanumeric	Yes or No	Whether there is a Sales Ledger Adjustment
SubscriptionNumber		Numeric	8,0	Subscription Number
NetworkCode		Alphanumeric	6	Network relating to Service Code
NetworkDescription		Alphanumeric	30	CMP Network Description
TotalNumberofCalls		Numeric	5,0	Number of Calls Invoiced
TotalDuration		Numeric	9,0	Duration of Calls Invoiced
TotalServiceUnits		Numeric	11,0	Number of units Invoiced
IdChargeStartDate		Numeric	7,0	Service Charge Start Date YYYY-MM-DD format
IdChargeEndDate		Numeric	7,0	Service Charge End Date YYYY-MM-DD format
IDNetAmount		Numeric	11,2	Net Amount of Invoice Line, positive or negative
IDTaxAmount		Numeric	13,4	VAT Amount of Invoice Line, positive or negative

Column Heading	Unique?	Type	Length	Details
ChargeTaxCode		Alphanumeric	10	Charged Tax Code
Charge TaxDescription		Alphanumeric	30	CMP Description of Charge Tax Code
taxRate		Numeric	5,2	Charged Tax Rate
ChargetoNominal Code		Alphanumeric	29	Nominal Code
ChargetoNominal Description		Alphanumeric	30	Description associated with the Charge to Nominal Code
IDLineComment1		Alphanumeric	78	Free text field 1
IDLineComment2		Alphanumeric	78	Free text field 2
IDLineComment3		Alphanumeric	78	Free text field 3
PaymentType		Alphanumeric	6	Code identifying the payment type the customer was on at the time of the invoice
PaymentTypeDescription		Alphanumeric	30	Description of the payment type the customer was on at the time of the invoice
DateTimeCreated		Numeric	7,0	Date Invoice Created in CMP YYYY-MM-DD HH:MM:SS format
DateTimeChanged		Numeric	7,0	Date record changed in CMP. YYYY-MM-DD HH:MM:SS format
CreatedbyDISEUserID		Alphanumeric	10	User ID of user who created the record
ChangedByDISEUserID		Alphanumeric	10	User ID of user who created the record
DateExtractDate		Numeric	7,0	Date that the data above was extracted from CMP. YYYY-MM-DD format

4. 2. 5 Payment Details Analytics

Data is only considered up to midnight of the previous day. This is to ensure a common cut-off date across all Data Warehouse output.

Column Heading	Unique?	Type	Length	Details
Account Number	Y	Numeric	8,0	CMP Account Number
Payment Identifier	Y	Numeric		ID number of the payment
Payment Amount		Numeric	11,2	Amount of payment, to 2 decimal places
Payment Date Time		Numeric	25,0	Date and time that payment was processed. YYYY-MM-DD HH:MM:SS format
Payment Status		Alphanumeric	1	Status of the payment, for example, S=Success
Payment Status Description		Alphanumeric	25	Description of the Payment Status, for example, Success
Payment Type		Alphanumeric	6	Payment type code associated with the payment, for example, MANUAL
Reason Code		Alphanumeric	4	Reason code associated with the payment, for example, SET
Reason Description		Alphanumeric	30	Text Description of the Reason Code, for example, Settled
Payment Source		Alphanumeric	1	Code for the payment source, for example, O=Online Payment, B = Prepaid Balance
Payment Source Description		Alphanumeric	30, 0	Text description of the payment source, for example, Online Payment, Prepaid Balance
External Reference		Alphanumeric	15,0	Reference number for payment used by external third party
SPUniqueIdentifier		Alphanumeric	10,0	Unique identifier for the SP
AuditTimestamp		Numeric	25,0	Date and time of audit. YYYY-MM-DD HH:MM:SS format
Error Code		Alphanumeric	4	If applicable, the error code associated with a payment error
Error Description		Alphanumeric	30	If applicable, the description of the error associated with the payment
Data Extract Date		Numeric	7,0	Date that the data above was extracted from CMP. YYYY-MM-DD format

4. 2. 6 Prepaid Usage

Data is only considered up to midnight of the previous day. This is to ensure a common cut-off date across all Data Warehouse output.

Column Heading	Unique?	Type	Length	Details
Prepaid Usage Identifier	Y	Numeric		The ID number of the prepaid usage
Usage Date Time		Numeric	25,0	The date and time of the prepaid usage. YYYY-MM-DD HH:MM:SS format
Usage Processed Date Time		Numeric	25,0	The date and time that the prepaid usage was processed. YYYY-MM-DD HH:MM:SS format
Usage External Identifier		Alphanumeric		The reference used by an external third party to identify the prepaid usage, for example, MEF:1594969511695:87
Network Code		Alphanumeric	6,0	The CMP code for the network associated with the usage, e.g. OCS
Usage Class		Alphanumeric	12,0	CMP code for the usage class, for example, DOMDATA
Usage Class Description		Alphanumeric	30,0	Text description of the Usage Class code, for example, Domestic Data
Company Number		Alphanumeric	3	The numerical ID of the company
Service Code		Alphanumeric	6,0	CMP Code for the pricing service associated with the usage, for example, EUDATA
Service Code Description		Alphanumeric	30,0	Text description of the pricing service associated with the usage, for example, Euro Roaming Data
Service Group Code		Alphanumeric	6	The CMP Code for the group to which the service belongs, for example, USAGE
Service Group Code Description		Alphanumeric	30	Text description of the service group to which the service belongs, for example, Usage
Network Serial Num-		Alphanumeric	25	As stored in CMP. Typically a mobile number or landline CLI as stored in Man-

Column Heading	Unique?	Type	Length	Details
ber				aged Serial Number 1.0
Subscription Number		Numeric	8	CMP Subscription number
Destination				
Usage Type		Alphanumeric		CMP code for the usage type
Usage Type Description		Alphanumeric		Text description of the usage type
Wholesale Charge		Numeric	11, 4	Wholesale price of the usage
Retail Charge		Numeric	11, 4	Retail price
Access Charge		Numeric	11, 4	Monetary value of access charge
Service Charge		Numeric	11, 4	Monetary value of service charge
Actual Usage Units		Numeric	7,0	Actual units of usage consumed
Billable Usage Units		Numeric	7,0	Billable units of usage
Generic String 1 - Generic String 10 (10 columns)		Alphanumeric		Generic String values
Generic Integer 1 - Generic Integer 4 (4 columns)		Integer		Generic Integer values
Audit Timestamp		Numeric	25,0	YYYY-MM-DD HH:MM:SS format
Audit User		Alphanumeric	50	ID of user who changed the record
Data Extract Date		Numeric	7,0	Date that the data above was extracted from CMP. YYYY-MM-DD format

4. 2. 7 Purchase Analytics

Data is only considered up to midnight of the previous day. This is to ensure a common cut-off date across all Data Warehouse output.

Column Heading	Unique?	Type	Length	Details
Purchase Identifier	Y	Numeric		The ID number of the purchase
Account Number	Y	Numeric	8,0	CMP Account Number
Purchase Timestamp		Numeric	25,0	The date and time of the purchase. DD-MM-YYYY HHMMSS format
Purchase Status		Char	10,0	The status of the purchase: <ul style="list-style-type: none"> • COMPLETE • INPROGRESS • ERROR
Purchase Type		Alphanumeric	8,0	The type of purchase, for example: <ul style="list-style-type: none"> • PREPAID • POSTPAID • BALANCE
Salesperson Number		Numeric	8,0	Numeric ID of the salesperson who processed the purchase
Salesperson Name		Alphanumeric	50, 0	The name of the salesperson
Sales Channel Code		Alphanumeric	6,0	The code of the sales channel
Sales Channel Description		Alphanumeric	30,0	Text description of the sales channel
Reason Code		Alphanumeric	4,0	The code for the reason for the purchase
Event Number		Numeric	9,0	The number of the workflow event for the purchase
Receipt Requested		Char	5	Whether a receipt was requested. Either TRUE or FALSE
Customer Level		Alphanumeric	1	The level at which the info is stored and the level description: GROUP, CORPORATE, ACCOUNT, SUBSCRIPTION or AGREEMENT
Customer Reference		Alphanumeric	60,0	Unique reference for the customer. This is tied to the Customer Level, for example, if the customer level is Account, the reference is the CMP Account Number; if the level is Subscription, the reference is the Subscription Number, and so on
Product Type		Alphanumeric	7	Whether the product is a bolt-on, top-up

Column Heading	Unique?	Type	Length	Details
				or voucher-based top-up package. Currently only the <i>Package</i> product type is supported
Product Code		Alphanumeric	6,0	The CMP product code. If the purchase is a voucher top-up, the product code will contain the voucher number
Product Code Description		Alphanumeric	30,0	The description of the product. This is also the voucher number
Audit User		Alphanumeric	50	ID of user who changed the record
Audit Process		Alphanumeric	12	The CMP code for the process that last changed the record, e.g. ADDPURCHS
Audit Timestamp		Numeric	25,0	Date/time the record changed in CMP. YYYY-MM-DD HH:MM:SS format
Data Extract Date		Numeric	7,0	Date that the data above was extracted from CMP. YYYY-MM-DD format

4. 2. 8 Statement Analytics

Column Header	Unique?	Type	Length	Details
Statement Number	Yes	Numeric	8	The CMP ID number for the statement
Group Code		Alphanumeric	6	The CMP code for the group associated with the statement
Corporate Code		Alphanumeric	6	The CMP code the corporate associated with the statement
Statement Date		Numeric	10	The date on the statement in DD/MM/YYYY format
Account Number		Numeric	8	The CMP account number associated with the statement
Total Statement Invoices		Numeric	8	The total of invoices associated with the statement
Total Debits This Statement		Numeric	11,2	The monetary total of all debits in the statement, to two decimal places
Total Credits This Statement		Numeric	11,2	The monetary total of all credits in the statement, to two decimal places
Total Transactions This Statement		Numeric	11,2	The total number of transactions in the statement
Opening Balance		Numeric	11,2	The opening monetary balance of the statement, to two decimal places
Closing Balance		Numeric	11,2	The closing monetary balance of the

Column Header	Unique?	Type	Length	Details
				statement, to two decimal places
Previous Closing Balance		Numeric	11,2	The closing balance for the statement before this one for the customer, to two decimal places
Date Created		Numeric	7,0	The date the extract was created. YYYY-MM-DD format
Created By		Alphanumeric	10	User ID of user who created the record
Date Changed		Numeric	7,0	The date the extract was last changed. YYYY-MM-DD format
Changed By		Alphanumeric	10	User ID of user who last changed the record
Data Extract Date		Numeric	7,0	Date that the data above was extracted from CMP. YYYY-MM-DD format

4.2.9 Subscription Analytics

Data is only considered up to midnight of the previous day. This is to ensure a common cut-off date across all Data Warehouse output.

Column Heading	Unique?	Type	Length	Details
Subscription Number	Y	Numeric	8,0	CMP Subscription Number
User Name		Alphanumeric	50,0	CMP Subscription Username
Account Number		Numeric	8,0	CMP Account Number
Company Number		Alphanumeric	3	CMP Company Number
Agreement Number		Numeric	8,0	CMP Agreement Number
Group Code		Alphanumeric	6,0	CMP Group Code
Group Description		Alphanumeric	30,0	Text description of the CMP Group Code
Corporate Code		Alphanumeric	6,0	CMP Corporate Code
Corporate Description		Alphanumeric	30,0	Text description of the Corporate Code
Price Plan Code		Alphanumeric	6,0	CMP Price Plan Code associated with the subscription, for example, PAYG
Price Plan Description		Alphanumeric	30,0	Text description of the Price Plan Code associated with the subscription, for example, Pay As You Go Plan

Column Heading	Unique?	Type	Length	Details
Tariff Code		Alphanumeric	6,0	CMP Tariff Code associated with the subscription
Tariff Description		Alphanumeric	30,0	Text description of the Tariff Code associated with the subscription
Package Code		Alphanumeric	6,0	CMP Package Code associated with the subscription , for example, PAYG
Package Description		Alphanumeric	30,0	Text description of the Package Code associated with the subscription, e.g. Pay As You Go Base Package
Network Code		Alphanumeric	6,0	CMP Network Code for network associated with the subscription
Network Description		Alphanumeric	30,0	Text description of the CMP Network Code associated with the subscription
Network Serial Number 1		Alphanumeric	25	As stored in CMP. Typically a mobile number or landline CLI as stored in Managed Serial Number 1
Network Serial Number 2		Alphanumeric	25	This value varies by CMP implementation/environment. In mobile implementations this is typically a SIM related serial number
Network Serial Number 3		Alphanumeric	25	This value varies by CMP implementation/environment. In mobile implementations this is typically a SIM related serial number
Network Serial Number 4		Alphanumeric	25	This value varies by CMP implementation/environment. In mobile implementations this is typically a SIM related serial number
Network Serial Number 5		Alphanumeric	25	This value varies by CMP implementation/environment
Delivery Address Name		Alphanumeric	40	The name for the delivery address in CMP
Address Line 1		Alphanumeric	40	As stored in CMP
Address Line 2		Alphanumeric	40	As stored in CMP
Address Line 3		Alphanumeric	40	As stored in CMP
Address Line 4		Alphanumeric	40	As stored in CMP

Column Heading	Unique?	Type	Length	Details
Address Line 5		Alphanumeric	40	As stored in CMP
Post Code		Alphanumeric	10	As stored in CMP
Connected Date		Numeric	25,0	Date Connected in CMP. YYYY-MM-DD format
Disconnected Date		Numeric	25,0	Date Disconnected in CMP. YYYY-MM-DD format. "0" if not disconnected
Subscription Status		Alphanumeric	6,0	First, Normal, Final
Connected Reason		Alphanumeric	4,0	Reason the Sub was Connected (Code), for example, CR
Connected Reason Description		Alphanumeric	30,0	Reason the Sub was Connected (Text Description), for example, Customer Request
Disconnection Reason		Alphanumeric	4,0	Reason the Sub was Disconnected (Code)
Disconnection Reason Description		Alphanumeric	30,0	Reason the Sub was Disconnected (Description)
Contract Start Date		Numeric	25,0	Contract Start Date in CMP. YYYY-MM-DD format
Contract Expiry Date		Numeric	25,0	Contract Start Date in CMP. YYYY-MM-DD format
Contract Term		Numeric	3,0	Contract term (months)
Contract Number		Alphanumeric	12	Contract Number for Agreement
Date of Birth		Numeric	25,0	YYYY-MM-DD format
Date Time Created		Numeric	25,0	Date record created in CMP. YYYY-MM-DD HH:MM:SS format
Created By		Alphanumeric	10	User ID of user who created the record
Date Time Changed		Numeric	25,0	Date record changed in CMP. YYYY-MM-DD HH:MM:SS format
Changed By		Alphanumeric	10	User ID of user who last changed the record

Column Heading	Unique?	Type	Length	Details
Salesperson Number		Numeric	8,0	Numeric ID of the salesperson who processed the purchase
Salesperson Name		Alphanumeric	50, 0	The name of the salesperson
Data Extract Date		Numeric	7,0	Date that the data above was extracted from CMP. YYYY-MM-DD format

4. 2. 10 Subscription Features

Data is only considered up to midnight of the previous day. This is to ensure a common cut-off date across all Data Warehouse output.

Column Heading	Unique?	Type	Length	Details
Subscription Number	Y	Numeric	8,0	CMP Subscription Number
Feature Code	Y	Alphanumeric	6,0	Unique CMP code for the feature, for example, LOSTBR
Feature Description		Alphanumeric	30, 0	Text description of the CMP feature code, for example, Lost Phone Bar
Feature Enabled		Numeric	1	Whether the feature is enabled. Either 1=Yes or 0=No
Feature Barred		Numeric	1	Whether the feature is enabled. Either 1=Yes or 0=No
Feature Activity Pending		Numeric	1	Is any activity pending for the feature? Either 1=Yes or 0=No
Date Time Created		Numeric	25,0	Date record created in CMP. YYYY-MM-DD HH:MM:SS format
Created By		Alphanumeric	10	User ID of user who created the record
Date Time Changed		Numeric	7,0	Date record changed in CMP. YYYY-MM-DD HH:MM:SS format
Changed By		Alphanumeric	10	User ID of user who created the record
Data Extract Date		Numeric	7,0	Date that the data above was extracted from CMP. YYYY-MM-DD format

4. 2. 11 Subscription Service

Data is only considered up to midnight of the previous day. This is to ensure a common cut-off date across all Data Warehouse output.

Column Heading	Unique?	Type	Length	Details
Subscription Number	Y	Numeric	8,0	CMP Subscription Number
Company Number	Y	Alphanumeric	3,0	CMP Company Number
Service Code	Y	Alphanumeric	6,0	CMP Service Code, for example, LINECH
Service Description		Alphanumeric	30,0	Text description of the Service Code, for example, Line Charge
Subscription Service Effective Date	Y	Numeric	25,0	The date and time from which the service is effective. YYYY-MM-DD HH:MM:SS format
Package Code		Alphanumeric	6,0	CMP Package Code, for example, PAYG
Package Code Description		Alphanumeric	30,0	Text description of Package Code, e.g. Pay As You Go Base Package
Recurring Charge		Alphanumeric	1,0	Either 1=Yes or 0=No
Price Number of Days		Numeric	3,0	How many days the service charge covers
Price Number of Months		Numeric	3,0	How many months the service charge covers
Subscription Service Expiry Date		Numeric	25,0	The date and time that the subscription service expires, if populated. YYYY-MM-DD HH:MM:SS format
Service Price		Numeric	11,2	Price to 2 decimal places, positive or negative
Invoiced Up To Date		Numeric	25,0	Date the service is invoiced up to. YYYY-MM-DD HH:MM:SS format .
Invoice this Service		Alphanumeric	1	Either 1=Yes or 0=No
Billing Offset		Numeric	2,0	1 = Monthly , 3 = Quarterly, 12 =Yearly, and so on
Date Time Created		Numeric	25,0	Date and time the record was created in CMP. YYYY-MM-DD HH:MM:SS format

Column Heading	Unique?	Type	Length	Details
Created By		Alphanumeric	10	User ID of user who created the record
Date Time Changed		Numeric	25,0	Date and time the record was last changed in CMP. YYYY-MM-DD HH:MM:SS format
Changed By		Alphanumeric	10	User ID of user who changed the record
Data Extract Date		Numeric	7,0	Date and time that the data above was extracted from CMP. YYYY-MM-DD format

4. 2. 12 Transaction Detail Analytics

Data is only considered up to midnight of the previous day. This is to ensure a common cut-off date across all Data Warehouse output.

Column Heading	Unique?	Type	Length	Details
Transaction Identifier	Y	Numeric		ID number of the transaction
Transaction Type		Alphanumeric	8,0	CMP Code for the transaction type
Transaction Reference		Numeric		Reference number for transaction
Transaction Date		Numeric	25,0	Batch Date and Time in CMP. YYYY-MM-DD format
Remark		Alphanumeric	30	Description of payment or comment, for example "DD Payment"
Account Number	Y	Numeric	8,0	CMP Account Number
Gross Amount		Numeric	11,2	Gross amount of the transaction, to 2 decimal places, positive or negative
Statement Reference		Numeric		Reference number for statement associated with the transaction
External Reference		Numeric		External reference for the transaction used by third parties
Reason		Numeric	6,0	Reason code for the transaction
General Ledger Reference		Alphanumeric		Reference to transaction that appears in the General Ledger
Audit Timestamp		Numeric	25,0	Date and time that the record was produced in CMP. YYYY-MM-DD HH:MM:SS format

Column Heading	Unique?	Type	Length	Details
Audit User		Alphanumeric	50	ID of user who changed the record
Data Extract Date		Numeric	7,0	Date and time that the data above was extracted from CMP. YYYY-MM-DD format

4. 2. 13 Unbilled Usage Analytics

Data is only considered up to midnight of the previous day. This is to ensure a common cut-off date across all Data Warehouse output.

Column Header	Unique?	Type	Length	Details
Subscription	Y	Numeric	7,0	CMP number for the subscription associated with the usage
Usage Date Time		Numeric	25,0	The date and time the usage took place. YYYY-MM-DD HH:MM:SS format
Network Code		Alphanumeric	6,0	CMP code for the network
Usage Class		Alphanumeric	12,0	CMP code for the usage class, for example, DOMDATA
Usage Class Description		Alphanumeric	30,0	Text description of the Usage Class code, for example, Domestic Data
Company Number		Numeric	3	CMP ID number for the company
Service Code		Alphanumeric	6,0	CMP Code for the pricing service associated with the usage, for example, EUDATA
Service Description		Alphanumeric	30,0	Text description of the pricing service associated with the usage, for example, Euro Roaming Data
Network Serial Number		Numeric	10,0	Serial number of the network associated with the usage
Destination		Numeric		The dialled number
Actual Usage Units		Numeric		The actual amount of usage consumed, in units
Billed Usage Units		Numeric		The amount of usage consumed, in units, that was invoiced for.

Column Header	Unique?	Type	Length	Details
Wholesale Charge		Numeric	11,4	The wholesale charge of the usage to 4 decimal places.
Retail Charge		Numeric	11,4	The retail price of the usage to 4 decimal places.
Usage Status		Alphanumeric		The status of the usage
Usage Type		Numeric	1	CMP code for the usage type
Usage Type Description		Alphanumeric	30,0	Text description of the usage type
Service Group		Alphanumeric	6,0	The CMP Code for the group to which the service belongs, for example, USAGE
Service Group Description		Alphanumeric	30,0	Text description of the service group to which the service belongs, for example, Usage
Display on Invoice?		Alphanumeric		Whether to display the usage on the bill
Pre-paid Units		Numeric		The amount of prepaid usage that was consumed, in units
Pre-paid Duration		Numeric		The duration of the pre-paid usage
Pre-paid Retail Price		Numeric	11,4	The retail price of the pre-paid usage, the amount to 4 decimal places
Usage Processed Date Time		Numeric	12,0	The date and time the usage records were processed. YYYY-MM-DD HH:MM:SS format
Access Charge		Numeric	11,4	If there is an access charge for the usage, the amount to 4 decimal places
Service Charge		Numeric	11,4	If there is a charge for the service, the amount to 4 decimal places
Usage Direction		Alphanumeric	2,0	The code for the usage direction, either MO or MT
Mobile Country Code		Numeric	3,0	3-digit mobile telephone code for the country associated with the usage, for example 234 for United Kingdom
Country Name		Alphanumeric	30,0	The name of the country associated with the mobile code, for example, Ireland for code 272

Column Header	Unique?	Type	Length	Details
Mobile Network Operator		Numeric	3,0	The mobile telephone number code for the network operator associated with the usage, for example, 15 for Vodafone
Mobile Network Operator Name		Alphanumeric	30,0	The name of the network operator associated with the mobile network operator code
Audit Timestamp		Numeric	25,0	The date and time of audit. YYYY-MM-DD HH:MM:SS format
Audit User		Alphanumeric		User name of user who last changed data
Discount Value		Numeric	11,4	The value of any discount applied to the unbilled usage
Data Extract Date		Numeric	7,0	Date and time this extract was created. YYYY-MM-DD format

4. 2. 14 Unallocated Usage Analytics

Column Heading	Unique?	Type	Length	Details
Batch Identifier	Y	Numeric		ID number for the batch job
Detail Sequence		Numeric	1,0	
Usage Type		Numeric	1	CMP code for the usage type
Usage Type Description		Alphanumeric	30,0	Text description of the usage type
Usage Date Time		Numeric	25,0	The date and time the usage took place. YYYY-MM-DD HH:MM:SS format
Subscription Number		Numeric	7,0	CMP number for the subscription associated with the usage
Network Serial Number		Numeric	10,0	Serial number of the network associated with the usage
Dialled Number		Alphanumeric	18	Dialled Number
Actual usage units		Numeric		The actual amount of usage consumed, in units
Billable Usage Units		Numeric		The amount of usage consumed, in units, that can be invoiced for

Column Heading	Unique?	Type	Length	Details
Usage Classification		Alphanumeric	12,0	CMP code for the usage class, for example, DOMDATA
Usage Classification Description		Alphanumeric	30,0	Text description of the Usage Class code, for example, Domestic Data
Wholesale charge		Numeric	11,4	The wholesale charge of the usage, to 4 decimal places.
Retail Charge		Numeric	11,4	The retail price of the usage, to 4 decimal places.
Access Retail Charge		Numeric	11,4	If there is an access charge for the usage, the amount to 4 decimal places
Service Retail Charge		Numeric	11,4	If there is a charge for the service, the amount to 4 decimal places
Audit Timestamp		Numeric	25,0	The date and time of audit. YYYY-MM-DD HH:MM:SS format
Audit User		Alphanumeric		User name of user who last changed data
Data Extract Date		Numeric	7,0	Date and time this extract was created. YYYY-MM-DD format