

Back Billing Supporting Information File Format - (.BAB)

Contains 7 different Record Types:-

| Level | Record Name | Occurrence | Optionally |
|-------|--|-----------------|------------|
| 1 | HDE_A00_STANDARD_HEADER | 1 | M |
| 1 | RT_Q28_STANDARD_INVOICE_SUMMARY | Up to 150 | M |
| 2 | RT_Q29_STANDARD_CHARGE_TYPE_SUMMARY | Up to 1,000 | M |
| 3 | RT_T93_RETROSPECTIVE_ADJUSTMENT_DETAIL | Up to 2,000,000 | O |
| 3 | RT_T94_RETROSPECTIVE_RECONCILIATION_DETAIL | Up to 2,000,000 | O |
| 4 | RT_T95_RETROSPECTIVE_METER_POINT_DETAIL | Up to 10,000 | M |
| 1 | TR_Z99_STANDARD_TRAILER | 1 | M |

Note 1

OPT – Optional/Mandatory (O – *Optional*, M – *Mandatory*)

DOM - Domain (T - TEXT, N - Numeric, D – Date (YYMMDD), M – Timestamp (HHMMSS))

LNG - Number of characters

DEC - Number of decimal places

Note 2

All text fields will be enclosed in double quotes (“”)

HD_A00_STANDARD_HEADER

| Record/Field Name | OPT | DOM | LNG | DEC | Description |
|---------------------|-----|-----|-----------|-----|---|
| TRANSACTION_TYPE | M | T | 3 | 0 | A code identifying the type of request that this record represents. VALUE: A00 |
| ORGANISATION_ID | M | N | 10 | 0 | A reference which uniquely identifies a User/ Organisation. |
| FILE_TYPE | M | T | 3 | 0 | An application specific code used to identify the structure and the usage of the file. |
| CREATION_DATE | M | D | 8 | 0 | The date on which the file was generated. FORMAT: YYYYMMDD |
| CREATION_TIME | M | M | 6 | 0 | The time at which the file was generated (within the CREATION DATE). FORMAT: HHMMSS |
| GENERATION NUMBER | M | N | 6 | 0 | A sequence number to identify the file which represents an issue of a file from the organisation (indicated by the organisation ID), and, of the file type (indicated by file type) |
| RECORD TOTAL | | | 36 | | |

RT_Q28_STANDARD_INVOICE_SUMMARY

| Record/Field Name | OPT | DOM | LNG | DEC | Description |
|------------------------|-----|---------------|-----------|-----|--|
| TRANSACTION_TYPE | M | T | 3 | 0 | A code identifying the type of request that this record represents. VALUE: Q28 |
| SHIPPER_SHORT_CODE | M | T | 3 | 0 | A unique three character code used to identify an organisation. |
| INVOICE_TYPE_CODE | M | T | 3 | 0 | A unique three character code used to identify the invoice type(s). |
| INVOICE_NUMBER | M | N | 6 | 0 | Holds the unique number by which an Invoice is known. |
| ADHOC_REFERENCE_NUMBER | M | IN | 10 | 0 | A unique reference assigned to each Adhoc invoice issued. |
| NWO_SHORT_CODE | M | T | 3 | 0 | A unique three character code used to identify a Network Operator. |
| BILLING_MONTH | M | N | 2 | 0 | The month of the billing period for which the Invoice relates. <i>e.g. 01 = January, 02 = February etc</i> |
| BILLING_YEAR | M | N | 4 | 0 | The year of the billing period for which the Invoice relates. FORMAT: YYYY |
| INVOICE_AMOUNT_DUE | M | N | 12 | 2 | Holds sum of invoice amount due for all invoice items on the invoice. The first character would be prefixed with a negative '-' if its a payment to the user. PERMITTED VALUES: Monetary values 0 to 9999999999.99 |
| RECORD TOTAL | | | 46 | | |

RT_Q29_STANDARD_CHARGE_TYPE_SUMMARY

| Record/Field Name | OPT | DOM | LNG | DEC | Description |
|---------------------|-----|-----|-----------|-----|---|
| TRANSACTION_TYPE | M | T | 3 | 0 | A code identifying the type of request that this record represents. VALUE: Q29 |
| NWO_SHORT_CODE | M | T | 3 | 0 | A unique three character code used to identify a Network Operator. |
| INVOICE_TYPE_CODE | M | T | 3 | 0 | A unique three character code used to identify the invoice type(s). |
| CHARGE_TYPE_CODE | M | T | 3 | 0 | A unique three character code used to identify the charge type(s). |
| CHARGE_TYPE_AMOUNT | M | NT | 12 | 2 | Holds sum of charge type amount due for all charge type items on the invoice. The first character would be prefixed with a negative '-' if its is a payment to the user. PERMITTED VALUES: Monetary values 0 to 9999999999.99 |
| RECORD TOTAL | | | 24 | | |

RT_T93_RETROSPECTIVE_ADJUSTMENT_DETAIL

| Record/Field Name | OPT | DOM | LNG | DEC | Description |
|---------------------------------------|----------|----------|----------------|---------------|--|
| TRANSACTION_TYPE | M | T | 3 | 0 | A code identifying the type of request that this record represents. VALUE: T93 |
| METER_POINT_REFERENCE | M | N | 10 | 0 | A Unique identifier for the point at which the Meter is, has been or will be connected to the gas network. |
| METER_SERIAL_NUMBER | M | T | 14 | 0 | A unique reference to the meter installed on site applicable to the period of invoice adjustment. |
| INVOICE_TYPE_CODE | M | T | 3 | 0 | A unique three character code used to identify the invoice type(s). |
| CHARGE_TYPE_CODE | M | T | 3 | 0 | A unique three character code used to identify the charge type(s). |
| ADJUSTMENT_START_DATE | M | D | 8 | 0 | Invoice adjustment start date. FORMAT: YYYYMMDD |
| ADJUSTMENT_END_DATE | M | D | 8 | 0 | Invoice adjustment end date. FORMAT: YYYYMMDD |
| VARIANCE_PERIOD_START_DATE | O | D | 8 | 0 | Variance period start date. FORMAT: YYYYMMDD |
| VARIANCE_PERIOD_END_DATE | O | D | 8 | 0 | Variance period end date. FORMAT: YYYYMMDD |
| NUMBER_OF_DAYS_WITHIN_VARIANCE_PERIOD | O | N | 2 | 0 | The count of the number of days within the variance period. |
| EUC | M | N | 10 | 0 | A Unique Number identifying the End User Category the Meter Point is currently attached to via its Supply Point. |
| METER_POINT_AQ | M | N | 13 | 0 | Annual quantity of gas used at the Meter Point. |
| SUPPLY_POINT_AQ | M | N | 13 | 0 | Annual quantity of gas used at the Supply Point. |
| SUPPLY_POINT_SOQ | M | N | 13 | 0 | The maximum rate of gas flow for a gas day deemed by the Shipper for the Supply Point. |
| METER_POINT/SUPPLY_POINT_RATIO | O | N | 8 | 4 | Meter Point Supply Point ratio. |
| CHARGE_RATE | M | N | 10 | 4 | Charge Rate for the variance period used for adjustment calculation. |
| SAP_RATEFACTOR | O | N | 105 | 72 | SAP FactorRate for the variance period used for the adjustment calculation. |
| ENERGY_FACTOR | <u>O</u> | <u>N</u> | <u>10</u> | <u>7</u> | Energy Factor for the variance period used for the adjustment calculation. |
| ORIGINAL_ENERGY | M | N | 13 | 0 | Original Energy. |
| NEW_ENERGY | M | N | 13 | 0 | New Energy. |
| ADJUSTED_ENERGY | M | N | 13 | 0 | Energy associated with the adjustment. |
| ORIGINAL_AMOUNT_DUE | M | N | 12 | 2 | Original amount charged. |
| NEW_AMOUNT_DUE | M | N | 12 | 2 | Revised charge amount. |
| ADJUSTMENT_AMOUNT_DUE | M | N | 12 | 2 | Adjusted charge amount. |
| INVOICE_NUMBER | M | N | 8 | 0 | A unique number by which an invoice is known. |
| RECORD TOTAL | | | 2372 | | |

RT_T94_RETROSPECTIVE_RECONCILIATION_DETAIL

| Record/Field Name | OPT | DOM | LNG | DEC | Description |
|-----------------------------|-----|-----|-----|-----|--|
| TRANSACTION_TYPE | M | T | 3 | 0 | A code identifying the type of request that this record represents. VALUE: T94 |
| METER_POINT_REFERENCE | M | N | 10 | 0 | Meter point reference number. |
| METER_SERIAL_NUMBER | M | T | 14 | 0 | A unique reference to the meter installed on site applicable to the period of invoice adjustment. |
| INVOICE_TYPE_CODE | M | T | 3 | 0 | A unique three character code used to identify the invoice type(s). |
| CHARGE_TYPE_CODE | M | T | 3 | 0 | A unique three character code used to identify the charge type(s). |
| REC_START_DATE | M | D | 8 | 0 | Reconciliation period start date. FORMAT: YYYYMMDD |
| REC_END_DATE | M | D | 8 | 0 | Reconciliation period end date. FORMAT: YYYYMMDD |
| REC_START_METER_READING | M | N | 12 | 0 | Start reading for the reconciliation period. |
| REC_END_METER_READING | M | N | 12 | 0 | End reading for the reconciliation period. |
| REC_START_CORRECTOR_READING | O | N | 12 | 0 | Start corrector reading for the reconciliation period. This field will be populated when a meter has a corrector fitted. Read denotes the corrected reading and not the uncorrected. |
| REC_END_CORRECTOR_READING | O | N | 12 | 0 | End corrector reading for the reconciliation period. This field will be populated when a meter has a corrector fitted. Read denotes the corrected reading and not the uncorrected. |
| CORRECTOR_READING_FLAG | O | T | 1 | 0 | A flag which is set to 'Y' if corrector readings have been used. VALUES: Y/N |
| VOLUME_CONSUMED | M | N | 12 | 0 | Difference between start and end meter readings multiplied by read units and then by correction factor and (when appropriate) converted to Cubic Meters. |
| VARIANCE_PERIOD_START_DATE | M | D | 8 | 0 | Variance period start date. FORMAT: YYYYMMDD |
| VARIANCE_PERIOD_END_DATE | M | D | 8 | 0 | Variance period end date. FORMAT: YYYYMMDD |
| EUC | M | N | 10 | 0 | A Unique Number identifying the End User Category the Meter Point is currently attached to via its Supply Point. |
| METER_POINT_AQ | M | N | 13 | 0 | Annual quantity of gas used at the Meter Point. |
| SUPPLY_POINT_AQ | M | N | 13 | 0 | Annual quantity of gas used at the Supply Point. |

| | | | | | |
|-----------------------------|---|---|----|---|--|
| SUPPLY_POINT_SOQ | M | N | 13 | 0 | The maximum rate of gas flow for a gas day deemed by the Shipper for the Supply Point. |
| RVE_ALLOCATED_VOLUME | M | N | 13 | 0 | The total deemed allocated volume for the reconciliation variance period. UNITS: Cubic Meters |
| RVE_ALLOCATED_ENERGY | M | N | 13 | 0 | The total deemed allocated energy for the reconciliation variance period. UNITS: kWh |
| RVE_ACTUAL_ENERGY | M | N | 13 | 0 | The total actual energy for the reconciliation variance period. Derived by multiplying Allocated Energy by the Reconciliation Factor (Rec Factor = Ratio of actual: allocated volume). UNIT: kWh |
| RCH_RECONCILIATION_QUANTITY | M | N | 13 | 0 | The net billable reconciliation energy for the reconciliation variance period. UNITS: kWh |
| ORIGINAL_GRE_CREDIT_AMOUNT | M | N | 12 | 2 | Original Gas Variance Reconciliation (GRE) Charge Amount for a period that has been recalculated. |
| NEW_GRE_CREDIT_AMOUNT | M | N | 12 | 2 | New Gas Variance Reconciliation (GRE) Charge Amount for a period that has been recalculated |
| NET_GRE_CREDIT_AMOUNT_DUE | M | N | 12 | 2 | Holds the billable Gas Variance Reconciliation (GRE) charge calculated for the reconciliation variance |
| ORIGINAL_NRE_CREDIT_AMOUNT | M | N | 12 | 2 | Original NTS Exit Commodity Reconciliation (NRE) Charge Amount for a period that has been recalculated. |
| NEW_NRE_CREDIT_AMOUNT | M | N | 12 | 2 | New NTS Exit Commodity Reconciliation (NRE) Charge Amount for a period that has been recalculated |
| NET_NRE_CREDIT_AMOUNT_DUE | M | N | 12 | 2 | Holds the billable NTS Exit Commodity Reconciliation (NRE) charge calculated for the reconciliation variance |
| ORIGINAL_ZRE_CREDIT_AMOUNT | M | N | 12 | 2 | Original LDZ Commodity Reconciliation (ZRE) Charge Amount for a period that has been recalculated. |
| NEW_ZRE_CREDIT_AMOUNT | M | N | 12 | 2 | New LDZ Commodity Reconciliation (ZRE) Charge Amount for a period that has been recalculated |
| NET_ZRE_CREDIT_AMOUNT_DUE | M | N | 12 | 2 | Holds the LDZ Commodity Reconciliation (ZRE) charge calculated for the reconciliation variance |
| ORIGINAL_GRE_DEBIT_AMOUNT | M | N | 12 | 2 | Original Gas Variance Reconciliation (GRE) Charge Amount for a period that has been recalculated. |
| NEW_GRE_DEBIT_AMOUNT | M | N | 12 | 2 | New Gas Variance Reconciliation (GRE) Charge Amount for a period that has been recalculated |
| NET_GRE_DEBIT_AMOUNT_DUE | M | N | 12 | 2 | Holds the Gas Variance Reconciliation (GRE) charge calculated for the reconciliation variance |
| ORIGINAL_NRE_DEBIT_AMOUNT | M | N | 12 | 2 | Original NTS Exit Commodity Reconciliation (NRE) Charge Amount for a period that has been recalculated. |

| | | | | | |
|-----------------------------|---|---|------------|---|--|
| NEW_NRE_DEBIT_AMOUNT | M | N | 12 | 2 | New NTS Exit Commodity Reconciliation (NRE) Charge Amount for a period that has been recalculated |
| NET_NRE_DEBIT_AMOUNT_DUE | M | N | 12 | 2 | Holds the NTS Exit Commodity Reconciliation (NRE) charge calculated for the reconciliation variance |
| ORIGINAL_ZRE_DEBIT_AMOUNT | M | N | 12 | 2 | Original LDZ Commodity Reconciliation (ZRE) Charge Amount for a period that has been recalculated. |
| NEW_ZRE_DEBIT_AMOUNT | M | N | 12 | 2 | New LDZ Commodity Reconciliation (ZRE) Charge Amount for a period that has been recalculated |
| NET_ZRE_DEBIT_AMOUNT_DUE | M | N | 12 | 2 | Holds the LDZ Commodity Reconciliation (ZRE) charge calculated for the reconciliation variance |
| ORIGINAL_ENERGY | M | N | 13 | 0 | Original Energy billed for a period that has been recalculated. UNITS: kWh |
| NEW_ENERGY | M | N | 13 | 0 | New Energy for period that has been recalculated. UNITS: kWh |
| ADJUSTED_ENERGY | M | N | 13 | 0 | Billable Energy for period that has been recalculated (net effect of Original and New). UNITS: kWh |
| ORIGINAL_VOLUME | M | N | 12 | 0 | Original Volume billed for a period that has been recalculated. UNITS: Cubic meters |
| NEW_VOLUME | M | N | 12 | 0 | New Volume for period that has been recalculated. UNITS: Cubic meters |
| ENERGY_TRANSPORT_IDENTIFIER | M | T | 1 | 0 | Identifier that will distinguish the Reconciliation Invoice type. ALLOWABLE VALUES: E - Reconciliation Energy T - Reconciliation Transportation |
| INVOICE_NUMBER | M | N | 8 | 0 | A unique number by which an invoice is known. |
| RECORD TOTAL | | | 515 | | |

RT_T95_RETROSPECTIVE_METER_POINT_DETAIL

| Record/Field Name | OPT | DOM | LNG | DEC | Description |
|---|-----|---------------|------|-----|--|
| TRANSACTION_TYPE | M | T | 3 | 0 | A code identifying the type of request that this record represents. VALUE: T95 |
| <u>METER_POINT_REFERENCE</u> METER_POINT_REFERENCE | M | N | 10 | 0 | A Unique identifier for the point at which the Meter is, has been or will be connected to the gas network. |
| SHIPPER_SHORT_CODE | M | T | 3 | 0 | A unique three character code used to identify an organisation. |
| NWO_SHORT_CODE | M | T | 3 | 0 | A unique three character code used to identify a Network Operator. |
| LDZ | M | T | 4 | 0 | A unique reference code for an LDZ. It is the LDZ of the Supply Point in which the Meter Point currently participates. |
| EXIT_ZONE | M | T | 3 | 0 | A Unique reference for the Exit Zone. It is the Exit Zone of the Supply Point in which the Meter Point currently participates. |
| CRN | M | N | 10 | 0 | Contact reference number within CMS. |
| Additional CRNs | O | IN | 1000 | 0 | Additional CMS_CONTACT_REFERENCE_NUMBER (CRNs) separated by a '/' |
| CMS_CONTACT_CODE | M | T | 3 | 0 | Provides the Type of contact processed within CMS. e.g. LCF, GSR, MUS, BBA etc. |
| ADJUSTMENT_TYPE | M | T | 15 | 0 | Identifies the type of adjustment carried out. VALUES: BB_SAME_MTR, BB_UNREG_SITE, BB_LCF, BB_ADJ_DUP, BB_ADJ_RFA, BB_ADJ_CDQ, BB_ADJ_REP_RD, BB_ADJ_ECO |
| ADJUSTMENT_SCENARIO | M | T | 50 | 0 | Identifies the scenario of the adjustment being carried out. VALUES: SS_MTR_FIX_<_CONF_SUB, SS_MTR_FIX_>_CONF_SUB, DS_MTR_FIX_<_CONF_SUB, IO_GAS_NOT_OFFTAKEN, IO_GAS_HAS_OFFTAKEN, IW_GAS_NOT_OFFTAKEN, IW_GAD_HAS_OFFTAKEN, UNREGISTERED_MTR_FIX_<_CONF, OTHER |
| SUPPLY_POINT_ID | M | N | 9 | 0 | A Unique identifier for the Supply Point/ Grouping. |
| ADDITIONAL_MPRS | O | T | 1500 | 0 | Additional MPO_REFERENCE (MPRNs) for multi metered sites separated by a "/". |
| METER_READ_FREQUENCY | M | T | 1 | 0 | A code identifying a valid Meter Read Frequency for the Supply Point the Meter belongs to. |
| GNT_CODE | M | T | 3 | 0 | A code to indicate which portion of the Supply Point the Meter Point belongs. |

| | | | | | |
|--------------------------------------|---|---|----|---|--|
| | | | | | VALUES: DM – Daily Metered Portion, NDM – Non Daily Metered Portion |
| METER_SERIAL_NUMBER | M | T | 14 | 0 | A unique reference to the meter installed on site applicable to the period of invoice adjustment. |
| METER_ATTACH_DATE | M | D | 8 | 0 | The date on which the METER_ATTACH was actioned on the system. FORMAT: YYYYMMDD |
| METER_ATTACH_EFFECTIVE_DATE | M | D | 8 | 0 | The date on which the [METER_ATTACH_DATE] was effective from. FORMAT: YYYYMMDD |
| TRANSPORTER_IDENTIFIED_EVIDENCE_DATE | O | D | 8 | 0 | The date on which the Transporter identified Meter Fix activity leading to a request for Back Billing. FORMAT: YYYYMMDD |
| METER_ATTACHED_BY_CONFIRMED_SHIPPER? | M | T | 1 | 0 | Identifies if the Shipper being invoiced (Confirmed Shipper) was responsible for attaching the meter. VALUES: Y/N |
| CONFIRMATION_REFERENCE_NUMBER | M | N | 9 | 0 | Confirmation Reference Number. A sequential number that uniquely identifies the confirmation. |
| CONFIRMATION_SUBMISSION_DATE | O | D | 8 | 0 | Date on which the Shipper requested ownership of the Supply Point. FORMAT: YYYYMMDD |
| CONFIRMATION_EFFECTIVE_DATE | M | D | 8 | 0 | Confirmation Start Date (<i>Confirmation Effective Date</i>), Date on which ownership of the Supply Point took place. FORMAT: YYYYMMDD |
| CONFIRMATION_END_DATE | O | D | 8 | 0 | Confirmation End Date, date on which ownership of the supply point ended. FORMAT: YYYYMMDD |
| CONFIRMATION_STATUS | M | T | 2 | 0 | Confirmation Status, the status which the associated Confirmation resides at the time of Adjustment. |
| METER_REMOVAL_EFFECTIVE_DATE | O | D | 8 | 0 | Date the Meter Was Removed. FORMAT: YYYYMMDD |
| METER_READ_AT_METER_REMOVAL | O | N | 12 | 0 | Closing Read recorded at Meter Removal Effective Date. |
| ISOLATION_DATE | O | D | 8 | 0 | Date of MPRN Isolation. FORMAT: YYYYMMDD |
| METER_READ_AT_ISOLATION_DATE | O | N | 12 | 0 | Read recorded at Isolation Date. |
| WITHDRAWAL_EFFECTIVE_DATE | O | D | 8 | 0 | Date of original Shipper Withdrawal from the MPRN. FORMAT: YYYYMMDD |
| SITE_VISIT_DATE | O | D | 8 | 0 | Date of Site Visit carried out in relation to the Adjustment. FORMAT: YYYYMMDD |
| SITE_VISIT_METER_READING | O | N | 12 | 0 | Reading taken at the Site Visit carried out in relation to the Adjustment. |
| CONFIRMATION_READ_ESTIMATED | M | T | 1 | 0 | Identifies if the Read at Confirmation used for the adjustment has been <i>estimated by Xoserve</i> . |

| | | | | | VALUES: Y/N |
|-----------------------|---|---|-------------|---|---|
| MNO_NAME | O | T | 10 | 0 | The model description for the meter. |
| CRM_NAME | O | T | 10 | 0 | The model description for the corrector if fitted. |
| MNO_NUMBER_OF_DIALS | M | N | 2 | 0 | Number of dials or digits on the meter which are considered during meter reading. |
| CRM_NUMBER_OF_DIALS | O | N | 2 | 0 | Number of dials or digits on the corrector which are considered during corrector reading. |
| MPO_CORRECTION_FACTOR | M | N | 9 | 6 | Meter Point Correction Factor applicable for the period. |
| CRM_CORRECTION_FACTOR | O | N | 9 | 6 | Corrector Correction Factor applicable for the period. Default of 1.0 |
| MNO_READING_UNITS | M | N | 6 | 3 | Reading Units of the meter which are used in volume calculation. |
| CRM_READING_UNITS | O | N | 6 | 3 | Reading Units of the corrector which are used in volume calculation. |
| RECORD TOTAL | | | 2814 | | |

TR_Z99_STANDARD_TRAILER

| Record/Field Name | OPT | DOM | LNG | DEC | Description |
|---------------------|-----|-----|-----------|-----|--|
| TRANSACTION_TYPE | M | T | 3 | 0 | A code identifying the type of request that this record represents. VALUE: Z99 |
| RECORD_COUNT | M | N | 10 | 0 | The number of detail records contained within the file. This should not include the standard header and standard trailer but should include any file specific trailers if specified for this file. |
| RECORD TOTAL | | | 13 | | |

| | |
|-------------------|----------------------------|
| FILE TOTAL | 3685 3670 |
|-------------------|----------------------------|