

IGT UNC ANCILLARY DOCUMENT

USE OF UNBUNDLED METER READINGS FILE FORMAT AND RESPONSE FILES FOR CYCLIC METER READINGS

November 2009
Version 1.0

Change History

Version	Change	Date
1.0	First Issue	November 2009

The following file formats are to be used for unbundled Meter Readings and responses for cyclic Meter Readings.

Standard Header and Trailer

A header and trailer are too used for all files sent between Operators and Users.

File Naming Convention

The organisation sending the file should always use their 3-character organisation ID as set out in SPAA MDD. Also it should be for the relevant organisation within the group, for example Pipeline Users must use the reference organisation ID for the shipper licence that is responsible for the supply point.

The generation number must always be sequential, per file type and per recipient. For example, Pipeline User sends file, generation number xxxx(x).file type. The next file of the same type for the same recipient must therefore be sequential.

HD_A00_STANDARD_HEADER

Record/Field Name	OPT	DO M	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	An reference which uniquely identifies a System 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 which represents an issue of a file from the System User (indicated by the organisation id), and, of the file type (indicated by file type). Each file sent either from a System User to Transco or from Transco to a System User within one file type must have sequential numbers.
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RT_S72_REJECTION_DETAIL
(Reasons for the rejection of the request)

Record/Field Name	OPT	DO M	LNG	DEC	DESCRIPTION
TRANSACTION_TYPE	M	T	3	0	A code identifying the type of request that this record represents. VALUE : S72
REJECTION_REASON	M	T	8	0	A reason for the rejection of the original input request
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RT_U10_UNBUNDLED_ACCEPTED_READ_NOTIFICATION

Record/Field Name	OPT	DO M	LNG	DEC	DESCRIPTION
TRANSACTION_TYPE	M	T	3	0	DEFINITION: A code identifying the type of information that this record contains.
METER_POINT_REFERENCE	M	N	10	0	DEFINITION: A unique identifier for the point at which a meter is, has been or will be connected to the gas network.
ACTUAL_READ_DATE	M	D	8	0	DEFINITION: The date on which the read was taken. Format:YYYYMMDD
METER_READING_SOURCE	M	T	1	0	DEFINITION: The source from which the read was taken. VALUES: M - Meter Read Organisation E - Supplied by the End User A - Agreed Opening Read R - Remote Reading Equipment Read Q - Shipper Provided Estimated Read G - Gas Card Read P - Point of Sale Read
METER_READING_REASON	M	T	1	0	DEFINITION: The Reason why the read was taken. VALUES: O - Opening Read R - Replacement Read N - Non Opening Read
METER_SERIAL_NUMBER	M	T	14	0	DEFINITION: The Manufacturer's meter serial number. CONTEXT: The serial number of the meter from which the read was taken.
METER_READING	M	T	12	0	DEFINITION: This is the actual index read from the meter. As identified by the System User. It will contain the actual number of digits/dials present on the meter. Where necessary these digits/dials will be represented by leading zeros. If the read has less than 12 digits, all missing digits will be replaced by leading spaces. The read will be right aligned, e.g. for a 4

					digit dial the read will be formatted as '0012'.
SERIAL_NUMBER_MATCH	M	T	1	0	DEFINITION: Indicates which METER_SERIAL_NUMBER matching routine was used to compare the Shipper supplied SERIAL_NUMBER against the value held on the Sites & Meters database. Set according to the result of the METER_SERIAL_NUMBER matching routine, part of the Unbundled METER_READ validation process. VALUES: E - The supplied value used the Exact match logic. F - The supplied value used the Fuzzy match logic.
MET_SERIAL_NUMBER_TRANSCO	O	T	14	0	DEFINITION: Serial number of meter for which read was taken, as held on system. This will be populated only when Fuzzy match was used. If Met_Serial_Number_Update is set to Y then Met_Serial_Number_Transco is MSN following update.
MET_SERIAL_NUMBER_UPDATE	O	T	1	0	DEFINITION: Indicates whether Sites & Meters has been updated as a result of the meter_serial_number_data supplied on the U01 by the system user. VALUES: Y = S&M Updated N = No S&M Update
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RT_U01_UNBUNDLED_METER_READ

Record/Field Name	OPT	DO M	LNG	DEC	DESCRIPTION
TRANSACTION_TYPE	M	T	3	0	DEFINITION: A code identifying the type of information that this record contains. VALUE: U01
METER_POINT_REFERENCE	M	N	10	0	DEFINITION: A unique identifier for the point at which a meter is, has been or will be connected to the gas network. These references are less volatile than meter or service identifiers and do not change if the meter is replaced or the service is relayed to the same position. New Meter Point References will only be created for new services or when a service is related to a different position. CONTEXT: The reference of the Meter Point which the meter / corrector reads relate to.
ACTUAL_READ_DATE	M	D	8	0	DEFINITION: The date on which the read was taken. Format:YYYYMMDD
METER_READING_SOURCE	M	T	1	0	DEFINITION: The source from which the read was taken. VALUES: M - Meter Read Organisation E - Supplied by the End User A - Agreed Opening Read R - Remote Reading Equipment Read Q - Shipper Provided Estimated Read G - Gas Card Read P - Point of Sale Read
METER_READING_REASON	M	T	1	0	DEFINITION: The reason why the read was taken. VALUES: O - Opening Read R - Replacement Read N - Non Opening Read VALIDATION: Meter Reading Reason of R with Meter Reading Source of M or E will be treated as a Shipper Replacement Read for Unbundled Cyclic Reads. Meter Reading Source of A with Reason R will be treated as a Replacement Opening Read. Must be O or R if the METER_READING_SOURCE is A. Meter Reading Reason of O may not be provided with Meter Reading Sources of P. Meter Reading Reason of N may not be provided with Meter Reading Source of A, G or Q. Meter Reading Sources not acceptable as Non-Opening Reads will not be acceptable for Replacement of Non-Opening Reads.

METER_SERIAL NUMBER	M	T	14	0	DEFINITION: The Manufacturer's meter serial number. CONTEXT: The serial number of the meter from which the read was taken.
METER_READING	M	T	12	0	DEFINITION: The actual index read from the meter. FORMAT: The index should be right justified and be the same length as the number of digits/dials present on the meter. This may mean the index provided is left padded with zeros to equate the length of the values to the actual number of digits/dials. Where the number of digits/dials is less than 12 the remaining characters should be set to spaces e.g. for a 4 digit dial display the index would be formatted as '0012'
METER_ROUND_T HE_CLOCK_COUN T	O	T	2	0	DEFINITION: Number of times the meter has gone round the clock i.e. through the zeros. VALUES: blank, -9 through to 99 VALIDATION: Must be supplied when a Meter Reading source is A. Must be supplied when a Meter Reading Reason is N or R, unless the Meter Reading Source is P.
METER_READ_VE RIFIED	O	T	1	0	DEFINITION: Indicates whether the meter read has failed the System User tolerance checking but is being accepted. VALUES: Y or blank
CORRECTOR_SERI AL_NUMBER	O	T	14	0	DEFINITION: The manufacturers corrector serial number. CONTEXT: The serial number of the corrector from which the corrector reads were taken.
CORRECTOR_UNC ORRECTED_READI NG	O	T	12	0	DEFINITION: The uncorrected index taken from the corrector. FORMAT: The index should be right justified and be the same length as the number of digits/dials present on the meter. This may mean the index provided is left padded with zeros to equate the length of the values to the actual number of digits/dials. Where the number of digits/dials is less than 12 the remaining characters should be set to spaces e.g. for a 7 digit dial display the index would be formatted as '0012345'
CORRECTOR_COR RECTED_READING	O	T	12	0	DEFINITION: The corrected index taken from the corrector. FORMAT: The index should be right justified and be the same length as the number of digits/dials present on the meter. This may mean the index provided is left padded with zeros to equate the length of the values to the actual number of digits/dials. Where the number of

					digits/dials is less than 12 the remaining characters should be set to spaces e.g. for a 7 digit dial display the index would be formatted as'0012345'
CORRECTOR_ROUND_THE_CLOCK_COUNT	O	T	2	0	DEFINITION: The number of times the corrector has gone round the clock i.e. through the zeros. VALUES: blank, -9 through to 99 VALIDATION: Must be supplied when Meter Reading Source is 'A' and a corrector is fitted. Must be supplied when a Meter Reading Reason is N or R and a Corrector is fitted, unless the Meter Reading Source is P.
CORRECTOR_USABLE_IND	O	T	1	0	DEFINITION: Indicates whether the corrector reads are usable for billing purposes. VALUES: Y, N or blank. If blank and corrector is fitted, Y will be assumed. Must be blank if no corrector fitted.
CORRECTOR_READ_VERIFIED	O	T	1	0	DEFINITION: Indicates whether the corrector read has failed the System User tolerance checking but is being accepted. VALUES: Y or blank
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RT_U02_UNBUNDLED READ REJECTION

Record/Field Name	OPT	DO M	LNG	DEC	DESCRIPTION
TRANSACTIONTYPE	M	T	3	0	DEFINITION: A code identifying the type of transaction that this record represents. VALUE: U02
METER_POINT_REFERENCE	M	N	10	0	DEFINITION: A unique identifier for the point at which a meter is, has been or will be connected to the gas network. These references are less volatile than meter or service identifiers and do not change if the meter is replaced or the service is related to the same position. New Meter Point References will only be created for new services or when a service is related to a different position. CONTEXT: The reference of the Meter Point which the meter / corrector reads relate to.
ACTUAL_READ_DATE	M	D	8	0	DEFINITION: The date on which the read was taken. FORMAT: YYYYMMDD
METER_READING_SOURCE	M	T	1	0	DEFINITION: The source from which the read was taken. VALUES: M - Meter Read Organisation E - Supplied by the End User A - Agreed Opening Read R - Remote Reading Equipment Read Q - Shipper Provided Estimated Read G - Gas Card Read P - Point of Sale Read
METER_READING_REASON	M	T	1	0	DEFINITION: The reason why the read was taken. VALUES: O - Opening Read R - Replacement Read N - Non Opening Read
METER_SERIAL_NUMBER	M	T	14	0	DEFINITION: The manufacturers meter serial number. CONTEXT: The serial number of the meter from which the meter read was taken.
METER_READING	M	T	12	0	DEFINITION: The actual index read from the meter. FORMAT: The index should be right justified and be the same length as the number of digits/dials present on the meter. This may mean the index provided is left padded with zeros to equate the length of the values to the actual number of digits/dials. Where the number of digits/dials is less than 12 the remaining characters should

					be set to spaces e.g. for a 4 digit dial display the index would be formatted as ' 0012'
METER_ROUND_THE_CLOCK_COUNT	0	T	2	0	DEFINITION: Number of times the meter has gone round the clock i.e. through the zeros. VALUES: blank, -9 through to 99
METER_READ_VERIFIED	0	T	1	0	DEFINITION: Indicates whether the meter read has failed the System User tolerance checking but is being accepted. VALUES: Y or blank
CORRECTOR_SERIAL_NUMBER	0	T	14	0	DEFINITION: The manufacturers corrector serial number. CONTEXT: The serial number of the corrector from which the corrector reads were taken.
CORRECTOR_UNCORRECTED_READING	0	T	12	0	DEFINITION: The uncorrected index taken from the corrector. FORMAT: The index should be right justified and be the same length as the number of digits/dials present on the meter. This may mean the index provided is left padded with zeros to equate the length of the values to the actual number of digits/dials. Where the number of digits/dials is less than 12 the remaining characters should be set to spaces e.g. for a 7 digit dial display the index would be formatted as ' 0012345'
CORRECTOR_CORRECTED_READING	0	T	12	0	DEFINITION: The corrected index taken from the corrector. FORMAT: The index should be right justified and be the same length as the number of digits/dials present on the meter. This may mean the index provided is left padded with zeros to equate the length of the values to the actual number of digits/dials. Where the number of digits/dials is less than 12 the remaining characters should be set to spaces e.g. for a 7 digit dial display the index would be formatted as ' 0012345'
CORRECTOR_ROUND_THE_CLOCK_COUNT	0	T	2	0	DEFINITION: The number of times the corrector has gone round the clock i.e. through the zeros. VALUES: blank, -9 through to 99
CORRECTOR_USABLE_IND	0	T	1	0	DEFINITION: Indicates whether the corrector reads are usable for billing purposes. VALUES: Y, N or blank. If blank and corrector is fitted, Y will be assumed. Must be blank if no corrector fitted.
CORRECTOR_READ_VERIFIED	0	T	1	0	DEFINITION: Indicates whether the corrector read has failed the System User

					tolerance checking but is being accepted. VALUES: Y or blank
SERIAL_NUMBER_MATCH	M	T	1	0	DEFINITION: Indicates which METER_SERIAL_NUMBER matching routine was used to compare the shipper supplied SERIAL_NUMBER against the value held on the Sites & Meters database. Set according to the result of the METER_SERIAL_NUMBER matching routine, part of the Unbundled METER_READ validation process. VALUES: E - The supplied value used the Exact match logic. F - The supplied value used the Fuzzy match logic. R - The SERIAL_NUMBER match failed. N - The Serial Number validation was not performed.
MET_SERIAL_NUMBER_TRANSCO	O	T	14	0	DEFINITION: Serial number of meter for which read was taken, as held on system. This will be populated when Fuzzy match was used or when SERIAL_NUMBER_MATCH failed.
PREV_MET_SERIAL_NUMBER	O	T	14	0	DEFINITION: This field will be populated by TRANSCO only if the reading is rejected due to the shipper MSN being a previous one. The field contains the Previous MSN as on the S&M database
			123		

TR_Z99_STANDARD_TRAILER

Record/Field Name	OPT	DOM	LNG	DEC	DESCRIPTION
TRANSACTION_TYPE	M	T	3	0	DEF:A code identifying the type of information that this record contains. VALUE:Z99
RECORD_COUNT	M	N	10	0	DEF:The number of detail records contained within the file. This should not include the standard header and the standard trailer but should include any file specific headers if specified for this file ie: only A00 and Z99 records excluded.
			13		
			247		