

Appendix Test transactions TenneT Testfacility FAB

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EKC

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Version Management

Version	Datum	Commentary
2.0	01/04/2006	Initial version
2.1	15/04/2006	Textual adaptations
2.2	01/05/2006	DELFOR & MSCONS Added
2.3	04/05/2006	Textual adaptations
2.4	04/07/2006	Settlement & Reconciliation Added
2.5	15/08/2006	Textual adaptations
2.6	29/12/2006	Separate English/Dutch version
2.7	01/05/2007	Separate Annex

Introduction

This is the Annex of the Test transactions TenneT Test Facility. In this manual you will find the intention of the test cases. You will find a description how to use the TenneT Test Facility step by step. This Annex is very useful during the process of certification. Every new release this manual will be updated so you will find here the most recent information.

This Annex will describe all processes in separate chapters. Every Test transactions will be explained to you by describing every part of the Test transactions.

TenneT hopes to be at your service with this Annex and to make the TenneT Test Facility more easy to use.

We wish you all the best to certify yourself.

Het Edine Kenniscentrum Team

Annex: Test Transactions

1. Plan: DELFOR-E en DELFOR-V

1.1 Process Test transactions BRP

Test transaction	Purpose
S14.07.P001.0	BRP sends a DELFOR-E program for 4 domestic Contract parties for one day.
S14.07.P002.0	BRP sends a DELFOR-E program for 4 domestic Contract parties for one day, with one Contract party having energy imported from Germany.
S14.07.P003.0	BRP sends a DELFOR-E program for 4 domestic Contract party's, with two Contract parties having energy imported from Belgium and exported to Germany.
S14.07.P004.0	BRP sends a DELFOR-E program for 4 domestic Contract parties for one day. This day is the transition from Winter- to Summertime.
S14.07.P005.0	BRP sends a DELFOR-E program for 4 domestic Contract parties for one day. This day is the transition from Summer- to Wintertime.
S14.07.P006.0	BRP sends a DELFOR-E program for 4 domestic Contract parties for one day, with one Contract party having energy imported from Germany.
S14.07.P007.0	BRP sends a DELFOR-E program for 4 domestic Contract parties for one day.
S14.07.P008.0	BRP sends a DELFOR-E program for 4 domestic Contract parties for one day.
S14.07.P009.0	BRP sends a DELFOR-E program for 4 domestic Contract parties for one day.
S14.07.P010.0	BRP sends a DELFOR-E program for 4 domestic Contract parties for one day.

1.2 Process Test transactions System Operator

Test transaction	Purpose
T14.11.P001.0	PV sends a DELFOR-E program for 5 domestic Contract parties for one day.
T14.11.P002.0	PV sends a DELFOR-E program for 3 domestic Contract parties for one day, with one Contract party having energy imported from Germany.
T14.11.P003.0	PV sends a DELFOR-E program for 4 domestic Contract parties, with two Contract parties having energy imported from Belgium and exported to Germany.
T14.11.P004.0	PV sends a DELFOR-E program for 4 domestic Contract parties for one day. This day is the transition from Winter- to Summertime.
T14.11.P005.0	PV sends a DELFOR-E program for 4 domestic Contract parties for one day. This day is the transition from Summer- to Wintertime.
T14.11.P006.0	PV sends a DELFOR-E program for 3 domestic Contract parties for one day, with one Contract party having energy imported from Germany.

T14.11.P007.0	PV sends a DELFOR-E program without planned deliveries with other Contract parties.
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1.3 Message Test transactions System Operator

Test transaction	Purpose
T14.11.B001.0	PV sends a DELFOR-E program for 4 domestic Contract parties for one day. UNS Segment is missing.
T14.11.B002.0	PV sends a DELFOR-E program for 4 domestic Contract parties for one day, with the quantities specified in KW in stead of KWH
T14.11.B003.0	PV sends a DELFOR-E program for 4 domestic Contract parties for one day, with incorrect Control Total in UNT Segment.
T14.11.B004.0	PV sends a DELFOR-E program for 4 domestic Contract parties for one day, with incorrect date in UNB Segment. (for example 30-02-2006)
T14.11.B005.0	PV sends a DELFOR-E program for 4 domestic Contract parties for one day, with own EAN code used for one Contract Party.
T14.11.B006.0	PV sends a DELFOR-E program for 4 domestic Contract parties, with the planned day 10 days in the future.

2. Plan: Delfor T

2.1 Message Test transactions for GRU

Test transaction	Purpose
S15.07.B001.0	GRU sends a DELFOR-T program with the transport estimate for one Grid Connection Point.
S15.07.B002.0	GRU sends a DELFOR-T program with the transport estimate for three Grid Connection Point.
S15.07.B003.0	GRU sends a DELFOR-T program with the transport estimate for three Grid Connection Point, in which all three Grid Connection Points supply to as well as take from the Grid.
S15.07.B004.0	GRU sends a DELFOR-T program with the transport estimate for three Grid Connection Point, for the day of the transition for the Winter- to Summertime.
S15.07.B005.0	GRU sends a DELFOR-T program with the transport estimate for three Grid Connection Point, for the day of the transition for the Summer- to Wintertime.

2.2 Message Test transactions for GRP

Test transaction	Purpose
T15.04.B001.0	GRU sends a DELFOR-T program with the transport estimate for one Grid Connection Point.
T15.04.B002.0	GRU sends a DELFOR-T program with the transport estimate for three Grid Connection Point.
T15.04.B003.0	GRU sends a DELFOR-T program with the transport estimate for three Grid Connection Point, in which all three Grid Connection Points supply to as well as take from the Grid.
T15.04.B004.0	GRU sends a DELFOR-T program with the transport estimate for three Grid Connection Point, in which quantity qualifier 26E is missing.
T15.04.B005.0	GRU sends a DELFOR-T program with the transport estimate for three Grid Connection Point, in which KW is replaced by KWH
T15.04.B006.0	GRU sends a DELFOR-T program with the transport estimate for three Grid Connection Point, in which periods of 15 minutes are taken instead of 1 hour.
T15.04.B007.0	GRU sends a DELFOR-T program with the transport estimate for three Grid Connection Point, for the day of the transition for the Winter- to Summertime.
T15.04.B008.0	GRU sends a DELFOR-T program with the transport estimate for three Grid Connection Point, for the day of the transition for the Summer- to Wintertime.
T15.04.B009.0	GRU sends a DELFOR-T program with the transport estimate for three Grid Connection Point, for the day of the transition for the Summer- to Wintertime. However the UTC-offset is incorrect.

3. Plan: Delfor TC

3.1 Message Test transactions for GRP

Test transaction	Purpose
S16.04.B001.0	GRP sends a daily Delfor-TC, with 4 sink and 4 source locations (8 LIN segments)
S16.04.B002.0	GRP sends a daily Delfor-TC, with 4 sink and 4 source locations, with in feed during all periods at 1 location (4 LIN segments)
S16.04.B003.0	GRP sends a daily Delfor-TC, with 4 sink and 4 source locations, with consumption during all periods at 1 location (4 LIN segments)
S16.04.B004.0	GRP sends a monthly Delfor-TC, with 4 sink and 4 source locations (8 LIN segments)
S16.04.B005.0	GRP sends an annual Delfor-TC, with 4 sink and 4 source locations (8 LIN segments)

3.2 Message Test transactions for PV

Test transaction	Purpose
T16.07.B001.0	GRP sends a daily Delfor-TC, with 4 sink and 4 source locations (8 LIN segments)
T16.07.B002.0	GRP sends a daily Delfor-TC, with 4 sink and 4 source locations, with in feed during all periods at 1 location (4 LIN segments)
T16.07.B003.0	GRP sends a daily Delfor-TC, with 4 sink and 4 source locations, with consumption during all periods at 1 location (4 LIN segments)
T16.07.B004.0	GRP sends a monthly Delfor-TC, with 4 sink and 4 source locations (8 LIN segments)
T16.07.B005.0	GRP sends an annual Delfor-TC, with 4 sink and 4 source locations (8 LIN segments)

4. Measure: MSCONS – MW

4.1 Message Test transactions for REG (BRP)

Full Version

Test transaction	Purpose
T17.07.B001.0	REG sends a MSCONS MW message to the DP for one Grid Connection Point of the previous day with a period of 15 minutes.
T17.07.B002.0	REG sends a MSCONS MW message to the DP for four Grid Connection Point of the previous day with a period of 15 minutes.
T17.07.B003.0	REG sends a MSCONS MW message to the DP for four Grid Connection Point of the previous day with a period of 15 minutes. The first Grid Connection Point feeds in and delivers in different amounts.
T17.07.B004.0	REG sends a MSCONS MW message to the DP for four Grid Connection Point of the previous day with a period of 15 minutes. The QTY-segment of the first period is missing.
T17.07.B005.0	REG sends a MSCONS MW message to the DP for four Grid Connection Point of the previous day with a period of 15 minutes. One Grid Connection Point communicates quantities with a period of 5 minutes
T17.07.B006.0	REG sends a MSCONS MW message to the DP for four Grid Connection Point of the previous day with a period of 15 minutes. The segment of the Section Separator is missing (UNS + D).

Light Version

Test transaction	Purpose
T17.07.B007.0	REG sends a MSCONS MW message to the DP for one Grid Connection Point of the previous day with a period of 15 minutes.
T17.07.B008.0	REG sends a MSCONS MW message to the DP for four Grid Connection Point of the previous day with a period of 15 minutes.
T17.07.B009.0	REG sends a MSCONS MW message to the DP for four Grid Connection Point of the previous day with a period of 15 minutes. The first Grid Connection Point feeds in and delivers in different amounts.
T17.07.B010.0	REG sends a MSCONS MW message to the DP for four Grid Connection Point of the previous day with a period of 15 minutes. The QTY-segment of the first period is missing.
T17.07.B011.0	REG sends a MSCONS MW message to the DP for four Grid Connection Point of the previous day with a period of 5 minutes. In total $12 \times 24 = 288$ QTY segments are sent.
T17.07.B012.0	REG sends a MSCONS MW message to the DP for four Grid Connection Point of the

	previous day with a period of 15 minutes. The segment of the Section Separator is missing (UNS + D).
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4.2 Message Test transactions for REG

Full Version

Test transaction	Purpose
S17.09.B001.0	REG sends a MSCONS MW message to the DP for one Grid Connection Point of the previous day with a period of 15 minutes.
S17.09.B002.0	REG sends a MSCONS MW message to the DP for four Grid Connection Point of the previous day with a period of 15 minutes.
S17.09.B003.0	REG sends a MSCONS MW message to the DP for four Grid Connection Point of the previous day with a period of 15 minutes. The first Grid Connection Point feeds in and delivers in different amounts.

Light Version

Test transaction	Purpose
S17.09.B006.0	REG sends a MSCONS MW message to the DP for one Grid Connection Point of the previous day with a period of 15 minutes.
S17.09.B007.0	REG sends a MSCONS MW message to the DP for four Grid Connection Point of the previous day with a period of 15 minutes.
S17.09.B008.0	REG sends a MSCONS MW message to the DP for four Grid Connection Point of the previous day with a period of 15 minutes. The first Grid Connection Point feeds in and delivers in different amounts.

4.3 Message Test transactions for SO

Full Version

Test transaction	Purpose
T17.11.B001.0	REG sends a MSCONS cumulated measures message to the SO for one Grid Connection Point of the previous day with a period of 15 minutes.
T17.11.B002.0	REG sends a MSCONS cumulated measures message to the SO for four Grid Connection Point of the previous day with a period of 15 minutes.
T17.11.B003.0	REG sends a MSCONS cumulated measures message to the SO for four Grid Connection Point of the previous day with a period of 15 minutes. And the control value is higher than the summation of the individual periods.
T17.11.B004.0	REG sends a MSCONS cumulated measures message to the SO for one Delivery Party of the previous day with a period of 5 minutes.
T17.11.B005.0	REG sends a MSCONS cumulated measures message to the SO for one Delivery

	Party of the previous day with a period of 15 minutes. The EAN code of the Delivery Party is not a valid EAN 13 code.
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5. Measure: MSCONS-ONB

5.1 Message Test transactions for SO

Full Version

Test transaction	Purpose
S18.11.B001.0	SO sends a MSCONS-ONB to the PRC of the previous day for one Delivery Party.
S18.11.B002.0	SO sends a MSCONS-ONB to the PRC of the previous day for one Delivery Party including the transition from winter- to summertime
S18.11.B003.0	SO sends a MSCONS-ONB to the PRC of the previous day for one Delivery Party, with a correction for imbalance.
S18.11.B004.0	SO sends a detailed MSCONS-ONB to the PRC of the previous day for one Delivery Party.

5.2 Message Test transactions for PRC

Full Version

Test transaction	Purpose
T18.07.B001.0	SO sends a MSCONS-ONB to the PRC of the previous day for one Delivery Party.
T18.07.B002.0	SO sends a MSCONS-ONB to the PRC of the previous day for one Delivery Party. And the DP EAN code differs from the NAD-5 code.
T18.07.B003.0	SO sends a MSCONS-ONB to the PRC of the previous day for one Delivery Party, with a correction for imbalance.
T18.07.B004.0	SO sends a detailed MSCONS-ONB to the PRC of the previous day for one Delivery Party.
T18.07.B005.0	SO sends a MSCONS-ONB to the PRC of the previous day for one Delivery Party. And the control value is higher than the summation of the individual periods.
T18.07.B006.0	SO sends a MSCONS-ONB to the PRC of the previous day for one Delivery Party. The activity period date range is set to 5 minutes while the periods stay 15 minutes.
T18.07.B007.0	SO sends a MSCONS-ONB to the PRC of the previous day for one Delivery Party. And the first QTY segment is missing.

6. Measure: MSCONS-MCF

6.1 Message Test transactions for PV

Light Version

Test transaction	Purpose
T19.07.B001.0	REG sends a MSCONS-MCF to the PRC of one time serie for one Metering Grid Area.
T19.07.B002.0	REG sends a MSCONS-MCF to the PRC of two time series for one Metering Grid Area.
T19.07.B003.0	REG sends a MSCONS-MCF to the PRC of one time serie for three Metering Grid Areas.
T19.07.B004.0	REG sends a MSCONS-MCF to the PRC of one time serie for three Metering Grid Areas. The correction factor is specified in four decimals.
T19.07.B005.0	REG sends a MSCONS-MCF to the PRC of one time serie for three Metering Grid Areas. And the complete QTY segment is missing.
T19.07.B006.0	REG sends a MSCONS-MCF to the PRC of one time serie for three Metering Grid Areas. And one time serie is not completed.

6.2 Message Test transactions for SO

Light Version

Test transaction	Purpose
T19.11.B001.0	REG sends a MSCONS-MCF to the PRC of one time serie for one Metering Grid Area.
T19.11.B002.0	REG sends a MSCONS-MCF to the PRC of two time series for one Metering Grid Area.
T19.11.B003.0	REG sends a MSCONS-MCF to the PRC of one time serie for three Metering Grid Areas.
T19.11.B004.0	REG sends a MSCONS-MCF to the PRC of two time series for three Metering Grid Areas.
T19.11.B005.0	REG sends a MSCONS-MCF to the PRC of one time serie for three Metering Grid Areas. The correction factor is specified in four decimals.
T19.11.B006.0	REG sends a MSCONS-MCF to the PRC of one time serie for three Metering Grid Areas. And the complete QTY segment is missing.
T19.11.B007.0	REG sends a MSCONS-MCF to the PRC of one time serie for three Metering Grid Areas. And one time serie is not completed.

6.3 Message Test transactions for REG

Light Version

Test transaction	Purpose
S19.09.B001.0	REG sends a MSCONS-MCF to the PRC of one time serie for one Metering Grid Area.
S19.09.B002.0	REG sends a MSCONS-MCF to the PRC of one time series for one Metering Grid Area. On the day the time is set from winter to summertime.
S19.09.B003.0	REG sends a MSCONS-MCF to the PRC of one time serie for three Metering Grid Areas.
S19.09.B004.0	REG sends a MSCONS-MCF to the SO of one time series for three Metering Grid Areas.

7. Measure: MSCONS Green Certificate

7.1 Message Test transactions for REG

Test transaction	Purpose
S20.09.B001.0	REG sends a monthly MSCONS Green message to the SO including a Delivered Quantity and a Generated Quantity for one Grid Connection Point.
S20.09.B002.0	REG sends a monthly MSCONS Green message to the SO including a Delivered Quantity and a Generated Quantity for four Grid Connection Points.
S20.09.B003.0	REG sends a monthly MSCONS Green message to the SO including a Delivered Quantity and a Generated Quantity for four Grid Connection Points. For the month in which the transition from summer to wintertime takes place.
S20.09.B004.0	REG sends a monthly MSCONS Green message to the SO including a Delivered Quantity and a Generated Quantity for four Grid Connection Points. For the month in which the transition from winter to summertime takes place.

7.2 Message Test transactions for the Certifying Party (CertiQ)

Test transaction	Purpose
T20.12.B001.0	REG sends a monthly MSCONS Green message to the SO including a Delivered Quantity and a Generated Quantity for one Grid Connection Point.
T20.12.B002.0	REG sends a monthly MSCONS Green message to the SO including a Delivered Quantity and a Generated Quantity for four Grid Connection Points.
T20.12.B003.0	REG sends a monthly MSCONS Green message to the SO including a Delivered Quantity and a Generated Quantity for four Grid Connection Points. For the month in which the transition from summer to wintertime takes place.
T20.12.B004.0	REG sends a monthly MSCONS Green message to the SO including a Delivered Quantity and a Generated Quantity for four Grid Connection Points. For the month in which the transition from winter to summertime takes place.
T20.12.B005.0	REG sends a monthly MSCONS Green message to the SO including a Delivered Quantity and a Generated Quantity for four Grid Connection Points. And the last two days are missing for the first Grid Connection Point.
T20.12.B006.0	REG sends a monthly MSCONS Green message to the SO including a Delivered Quantity and a Generated Quantity for four Grid Connection Points. The qualifier KWH is missing.
T20.12.B007.0	REG sends a monthly MSCONS Green message to the SO including a Delivered Quantity and a Generated Quantity for four Grid Connection Points. And the checksum is smaller than the total amount of KWH for all the four Grid Connection Points.

8. Measure: Exchange Validated Metered Data for Balance Management (E66)

8.1 Message test transactions for Metered Data Aggregator

Test transaction	Purpose
T00.09.B029.1	MDR sends a UTILTS E66, 23, E23, DEA, 9 message without a LOC segment in a Transaction-block
T00.09.B031.1	MDR sends a UTILTS E66, 23, E23, DEA, 9 message with duplicate metering points which is not expected
T00.09.B039.1	MDR sends a UTILTS E66, 23, E23, DEA, 9 message Observation period missing
T00.09.B051.1	MDR sends a UTILTS E66, 23, E23, DEA, 9 message MEA segment missing
T00.09.B074.1	MDR sends a UTILTS E66, 23, E23, DEA, 9 message where current time is summertime and observation period over change from winter to summertime
T00.09.B076.1	MDR sends a UTILTS E66, 23, E23, DEA, 9 message where current time is wintertime and observation period over change from summer to wintertime
T00.09.B101.0	MDR sends a UTILTS E66, 23, E23, DEA, 9 message with a NeighbouringGridArea and there is in feed taking place
T00.09.B102.0	MDR sends a UTILTS E66, 23, E23, DEA, 9 message with a NeighbouringGridArea and there is in feed and consumption taking place
T00.09.B103.0	MDR sends a UTILTS E66, 23, E23, DEA, 9 message with meter and register
T00.09.B104.0	MDR sends a UTILTS E66, 23, E23, DEA, 9 message with 1 Quantity Quality estimated with code E07
T00.09.B105.0	MDR sends a UTILTS E66, 23, E23, DEA, 9 message with 1 Quantity Quality temporary
T00.09.B107.0	MDR sends a UTILTS E66, 23, E23, DEA, 9 message with a one-hour resolution and 96 QTY's
T00.09.B108.0	MDR sends a UTILTS E66, 23, E23, DEA, 9 message with LIN identifier 1
T00.09.B109.0	MDR sends a UTILTS E66, 23, E23, DEA, 9 message with 1 Quantity Quality temporary and an Estimate Quality with code E05
T00.09.B110.0	MDR sends a UTILTS E66, 23, E23, DEA, 5 message with a NeighbouringGridArea and there is in feed taking place
T00.09.B111.0	MDR sends a UTILTS E66, 23, E23, DEA, 5 message with 2 time series
T00.09.B112.0	MDR sends a UTILTS E66, 23, E23, DEA, 9 message for 2 time series with a NeighbouringGridArea and both in feed and consumption taking place

8.2 Process Test transactions for Metered Data Aggregator

Test transaction	Purpose
T00.09.P001.1	MDR sends a UTILTS E66, 23, E23, DEA, 9 message sequences not complete for observation period.
T00.09.P002.1	MDR sends a UTILTS E66, 23, E23, DEA, 9 message without a NeighbourGridArea with 1 day of Observation with Quantity Quality estimated, Estimate Quality with E07 and 1 unknown metering point.
T00.09.P003.1	MDR sends a UTILTS E66, 23, E23, DEA, 9 message with Quantity of 4.5.
T00.09.P004.1	MDR sends a UTILTS E66, 23, E23, DEA, 9 message without a NeighbourGridArea, with 1 Metering point, with 1 day of Observation period where the end of period ends at 23.45 and 95 QTYs.
T00.09.P005.1	MDR sends a UTILTS E66, 23, E23, DEA, 9 message with 1 Metering point, with 1 day of Observation period with NeighbourGridArea which one of them is unknown.
T00.09.P006.1	MDR sends a UTILTS E66, 23, E23, DEA, 5 message without a NeighbourGridArea with 1 day of Observation with Quantity Quality estimated, Estimate Quality with E07 and 1 unknown metering point.
T00.09.P007.1	MDR sends a UTILTS E66, 23, E23, DEA, 5 message with 1 Metering point, with 1 day of Observation period with NeighbourGridArea which one of them is unknown.

8.3 Message Test transactions for Metered Data Aggregator (Gas)

Test transactions	Purpose
T00.57.B029.1	MDR sends a UTILTS E66, 27, E23, DEA, 9 message without a metering point
T00.57.B031.1	MDR sends a UTILTS E66, 27, E23, DEA, 9 message with duplicate Metering point
T00.57.B039.1	MDR sends a UTILTS E66, 27, E23, DEA, 9 message without a observation period
T00.57.B051.1	MDR sends a UTILTS E66, 27, E23, DEA, 9 message MEA segment missing
T00.57.B069.1	MDR sends a UTILTS E66, 27, E23, DEA, 9 message without correct sector code for gas
T00.57.B078.1	MDR sends a UTILTS E66, 27, E23, DEA, 9 message where current time is summertime and observation period over change from winter to summertime
T00.57.B080.1	MDR sends a UTILTS E66, 27, E23, DEA, 9 message where current time is wintertime and observation period over change from summer to wintertime
T00.57.B101.0	MDR sends a UTILTS E66, 27, E23, DEA, 9 message with a NeighbourGridArea with Source "Marktparty" and in feed taking place
T00.57.B102.0	MDR sends a UTILTS E66, 27, E23, DEA, 9 message with a NeighbourGridArea and both in feed and consumption taking place

T00.57.B103.0	MDR sends a UTILTS E66, 27, E23, DEA, 9 message with meter and register
T00.57.B104.0	MDR sends a UTILTS E66, 27, E23, DEA, 9 message with 1 Quantity Quality estimated with code E07
T00.57.B105.0	MDR sends a UTILTS E66, 27, E23, DEA, 9 message with 1 Quantity Quality temporary
T00.57.B107.0	MDR sends a UTILTS E66, 27, E23, DEA, 9 message with a 15-minutes resolution and 24 QTY's
T00.57.B108.0	MDR sends a UTILTS E66, 27, E23, DEA, 9 message with LIN identifier 1
T00.57.B109.0	MDR sends a UTILTS E66, 27, E23, DEA, 9 message with rest volume
T00.57.B110.0	MDR sends a UTILTS E66, 27, E23, DEA, 9 message with rest volume and Quantity qualifier is 136
T00.57.B111.0	MDR sends a UTILTS E66, 27, E23, DEA, 5 message with a NeighbourGridArea where in feed is taking place
T00.57.B112.0	MDR sends a UTILTS E66, 27, E23, DEA, 5 message with 2 time series
T00.57.B113.0	MDR sends a UTILTS E66, 27, E23, DEA, 9 message with 2 time series, with a NeighbourGridArea and both in feed and consumption taking place

8.4 Process Test transactions for Metered Data Aggregator (Gas)

Test transaction	Purpose
T00.57.P001.1	MDR sends a UTILTS E66, 27, E23, DEA, 9 message sequences not complete for observation period.
T00.57.P002.1	MDR sends a UTILTS E66, 27, E23, DEA, 9 message without a NeighbourGridArea with 1 day of Observation with Quantity Quality estimated, Estimate Quality with E07 and 1 unknown metering point.
T00.57.P003.1	MDR sends a UTILTS E66, 27, E23, DEA, 9 message with Quantity of 4.5.
T00.57.P004.1	MDR sends a UTILTS E66, 27, E23, DEA, 9 message without a NeighbourGridArea, with 1 Metering point, with 1 day of Observation period where the end of period ends at 23.45 and 95 QTYs.
T00.57.P005.1	MDR sends a UTILTS E66, 27, E23, DEA, 9 message with 1 Metering point, with 1 day of Observation period with NeighbourGridArea which one of them is unknown.
T00.57.P006.1	MDR sends a UTILTS E66, 27, E23, DEA, 5 message without a NeighbourGridArea with 1 day of Observation with Quantity Quality estimated, Estimate Quality with E07 and 1 unknown metering point.
T00.57.P007.1	MDR sends a UTILTS E66, 27, E23, DEA, 5 message with 1 Metering point, with 1 day of Observation period with NeighbourGridArea which one of them is unknown.

8.5 Message Test transactions for Metered Data Responsible

Test transactions	Purpose
S00.01.B001.1	MDR sends a UTILTS E66, 23, E23, DEA, 9 message without a NeighbourGridArea, where current time is summertime and observation period is wintertime
S00.01.B002.1	MDR sends a UTILTS E66, 23, E23, DEA, 9 message without a NeighbourGridArea, where current time is summertime and observation period over change from winter to summertime
S00.01.B003.1	MDR sends a UTILTS E66, 23, E23, DEA, 9 message without a NeighbourGridArea, where current time is wintertime and observation period is summertime
S00.01.B004.1	MDR sends a UTILTS E66, 23, E23, DEA, 9 message without a NeighbourGridArea, where current time is wintertime and observation period over change from summer to wintertime
S00.01.B101.0	MDR sends a UTILTS E66, 23, E23, DEA, 9 message without a NeighbourGridArea
S00.01.B102.0	MDR sends a UTILTS E66, 23, E23, DEA, 9 message with a NeighbourGridArea and there is in feed taking place
S00.01.B103.0	MDR sends a UTILTS E66, 23, E23, DEA, 9 message with a NeighbourGridArea and both in feed and consumption taking place
S00.01.B104.0	MDR sends a UTILTS E66, 23, E23, DEA, 9 message without a NeighbourGridArea with 1 or more Quantity Quality estimated with approved code
S00.01.B105.0	MDR sends a UTILTS E66, 23, E23, DEA, 9 message without a NeighbourGridArea with 1 or more Quantity Quality temporary
S00.01.B106.0	MDR sends a UTILTS E66, 23, E23, DEA, 9 message without a NeighbourGridArea with 1 or more Quantity Quality estimated with approved code and with 1 or more Quantity Quality temporary
S00.01.B107.0	MDR sends a UTILTS E66, 23, E23, DEA, 5 message with a NeighbourGridArea and there is in feed taking place

8.6 Message Test transactions for Metered Data Responsible (Gas)

Test transaction	Purpose
S00.51.B005.1	MDR sends a UTILTS E66, 27, E23, DEA, 9 message without a NeighbourGridArea, where current time is summertime and observation period is wintertime
S00.51.B006.1	MDR sends a UTILTS E66, 27, E23, DEA, 9 message without a

	NeighbourGridArea, where current time is summertime and observation period over change from winter to summertime
S00.51.B007.1	MDR sends a UTILTS E66, 27, E23, DEA, 9 message without a NeighbourGridArea, where current time is wintertime and observation period is summertime
S00.51.B008.1	MDR sends a UTILTS E66, 27, E23, DEA, 9 message without a NeighbourGridArea where current time is wintertime and observation period over change from summer to wintertime
S00.51.B101.0	MDR sends a UTILTS E66, 27, E23, DEA, 9 message without a NeighbourGridArea
S00.51.B102.0	MDR sends a UTILTS E66, 27, E23, DEA, 9 message with a NeighbourGridArea and there is in feed taking place
S00.51.B103.0	MDR sends a UTILTS E66, 27, E23, DEA, 9 message with a NeighbourGridArea and both in feed and consumption taking place
S00.51.B104.0	MDR sends a UTILTS E66, 27, E23, DEA, 9 message without a NeighbourGridArea with rest volume
S00.51.B105.0	MDR sends a UTILTS E66, 27, E23, DEA, 9 message without a NeighbourGridArea with 1 or more Quantity Quality estimated
S00.51.B106.0	MDR sends a UTILTS E66, 27, E23, DEA, 9 message without a NeighbourGridArea with 1 or more Quantity Quality temporary
S00.51.B107.0	MDR sends a UTILTS E66, 27, E23, DEA, 9 message without a NeighbourGridArea with 1 or more Quantity Quality estimated with approved code and with 1 or more Quantity Quality temporary
S00.51.B108.0	MDR sends a UTILTS E66, 27, E23, DEA, 5 message with a NeighbourGridArea
S00.51.B109.0	MDR sends a UTILTS E66, 27, E23, DEA, 5 message without a NeighbourGridArea with rest volume

9. Auction

9.1 Message Test transactions for the Grid Access Provider

Test transaction	Purpose
T10.04.B001.0	PRC sends a daily QUOTES TC message
T10.04.B002.0	PRC sends a monthly QUOTES TC message
T10.04.B003.0	PRC sends a yearly QUOTES TC message
T10.04.B004.0	PRC sends a daily QUOTES TC message with volume specified in 2 decimals
T10.04.B005.0	PRC sends a daily QUOTES TC message with price specified in 1 decimal
T10.04.B006.0	PRC sends a daily QUOTES TC message without a price qualifier
T10.04.B007.0	PRC sends a daily QUOTES TC message price segment missing
T10.04.B008.0	PRC sends a daily QUOTES TC message 1 period (segment group 31) missing
T10.04.B009.0	PRC sends a daily QUOTES TC message separator missing
T10.04.B010.0	PRC sends a daily QUOTES TC message sink and source segments missing

9.2 Test transactions for the Balance Responsible Party

Test transaction	Purpose
S10.07.B001.0	PRC sends a daily QUOTES TC message
S10.07.B002.0	PRC sends a monthly QUOTES TC message
S10.07.B003.0	PRC sends a yearly QUOTES TC message
S10.07.B004.0	PRC sends a daily QUOTES TC message with period over change from summer to wintertime
S10.07.B005.0	PRC sends a daily QUOTES TC message with period over change from winter to summertime
S10.07.B006.0	PRC sends a daily QUOTES TC message with a price of 100 EURO/MW specified for all PTE's

10. Plan: Regulating and Reserve Power

10.1 Test Transactions for the Balance Supplier

Test transaction	Purpose
S11.06.B001.0	Supplier sends a QUOTES RRV message
S11.06.B002.0	Supplier sends a QUOTES RRV message with period over change from summer to wintertime
S11.06.B003.0	Supplier sends a QUOTES RRV message with period over change from winter to summertime
S11.06.B004.0	Supplier sends a QUOTES RRV message with a price of 100 EURO/MWH specified for all PTE's
S11.06.B005.0	Supplier sends a QUOTES RRV message with both a ramp rate of 8.4% and 7% defined
S11.06.B006.0	Supplier sends a QUOTES RRV message with both a call off time of 15 minutes and 10 minutes defined

10.2 Test transactions for the System Operator

Test transaction	Purpose
T11.11.B001.0	Supplier sends a QUOTES RRV message
T11.11.B002.0	Supplier sends a QUOTES RRV message with negative prices
T11.11.B003.0	Supplier sends a QUOTES RRV message QTY specified in 2 decimals
T11.11.B004.0	Supplier sends a QUOTES RRV message price specified in MAW
T11.11.B005.0	Supplier sends a QUOTES RRV message price specified in 1 decimal
T11.11.B006.0	Supplier sends a QUOTES RRV message without a separator
T11.11.B007.0	Supplier sends a QUOTES RRV message without a reference qualifier
T11.11.B008.0	Supplier sends a QUOTES RRV message with period over change from summer to wintertime
T11.11.B009.0	Supplier sends a QUOTES RRV message with period over change from winter to summertime

11. Bill: Sales Reports

11.1 Message Test transactions for the Balance Responsible Party

Test transaction	Purpose
T09.07.B001.0	SO sends a correct SLSRPT message positive imbalance
T09.07.B002.0	SO sends a correct SLSRPT message negative imbalance
T09.07.B003.0	SO sends a correct SLSRPT message transfer capacity
T09.07.B004.0	SO sends a correct SLSRPT message RRV 'opregelen'
T09.07.B005.0	SO sends a correct SLSRPT message RRV 'afregelen'
T09.07.B006.0	SO sends a SLSRPT message negative imbalance period of price information doesn't match number of periods
T09.07.B007.0	SO sends a SLSRPT message RRV 'opregelen' with price in euro specified in MegaWatt
T09.07.B008.0	SO sends a correct SLSRPT message positive imbalance, message date is day of change from summer to wintertime.
T09.07.B009.0	SO sends a correct SLSRPT message positive imbalance, prices specified in 3 decimals
T09.07.B010.0	SO sends a SLSRPT message positive imbalance, prices specified in 6 decimals
T09.07.B011.0	SO sends a SLSRPT message transfer capacity without Price Area
T09.07.B013.0	SO sends a correct SLSRPT message negative imbalance, buyer twice, no seller

11.2 Message Test transactions for the System Operator

Test transaction	Purpose
S09.11.B001.0	SO sends a correct SLSRPT message positive imbalance
S09.11.B002.0	SO sends a correct SLSRPT message negative imbalance
S09.11.B003.0	SO sends a correct SLSRPT message transfer capacity
S09.11.B004.0	SO sends a correct SLSRPT message RRV 'opregelen'
S09.11.B005.0	SO sends a correct SLSRPT message RRV 'afregelen'
S09.11.B006.0	SO sends a correct SLSRPT message positive imbalance, message date is day of change from summer to wintertime

12. Structure: Change of Supplier

12.1 Message Test transactions for the Metering Point Administrator

Test transaction	Purpose
T12.02.B001.0	BS sends a 392, 23, E03 message without proposed switch stands, with unknown reason (E04 instead of E03).
T12.02.B002.0	BS sends a 392, 23, E03 message without proposed switch stands and MEP indication (TAX-segment) missing.
T12.02.B003.0	BS sends a E30, 23, E03 message, with QTY specified in 2 decimals.
T12.02.B004.0	BS sends a E30, 27, E03 message with a definitive meter stand (81 instead of 22/86/102).
T12.02.B005.0	BS sends a E30, 23, E03 message for 1 metering point, 2 registers, origin of meter stand is E26.
T12.02.B006.0	BS sends a E30, 23, E03 message for 1 metering point, 4 registers, origin of meter stand is E26.
T12.02.B007.0	BS sends a E30, 23, E03 message for 1 metering point, without registers and without origin of meter stand.
T12.02.B008.0	BS sends a E30, 23, E03 message for 1 metering point, 1 register, origin of meter stand is E26 with register value 5.
S12.02.B003.0	MPA sends a 406, 23, E03 to the old BS.
S12.02.B001.0	MPA sends a 414, 23, E03 message confirmation to the BS.
S12.02.B002.0	MPA sends a 414, 23 rejection to the BS with reason Metering Blocked for Switch (E22).
S12.02.B008.0	MPA sends a E09, 23, E03 end of contract message to the BRP with reason Supplier Change.
S12.02.B009.0	MPA sends a E09, 23, E03 start of contract message to the BRP with reason Supplier Change.
S12.02.B010.0	MPA sends a E09, 23, E03 start of contract message to the BRP with reason Supplier Change, where message time is wintertime and start of contract is summertime.
S12.02.B011.0	MPA sends a E09, 23, E03 end of contract message to the BRP with reason Supplier Change, where message time is summertime and end of contract is wintertime.
S12.02.B004.0	MPA sends a E11, 23, E23 periodic message with negotiated meter stand (high/low). Origin of Meter Stand is N03 and Type of Metering Point is Consumption
S12.02.B005.0	MPA sends a E11, 23, E23 periodic message with authorized meter stand (high/low). Origin of Meter Stand is E26 and Type of Metering Point is Consumption.
S12.02.B006.0	MPA sends a E11, 23, E03 message for 1 meter with 2 stands (high/low) with negotiated switch stands. Origin of Meter Stand is N03 and Type of Metering Point is Consumption.

S12.02.B007.0	MPA sends a E11, 23, E03 message for 1 meter with 2 stands (high/low) with authorized switch stands. Origin of Meter Stand is E26. Type of Metering Point is Consumption.
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12.2 Message Test transactions for Metering Point Administrator (Gas)

Test Transaction	Purpose
T12.52.B001.0	BS sends a 392, 27, E03 message without proposed switch stands and with unknown reason description code (E04 instead of E03).
T12.52.B002.0	BS sends a 392, 27, E03 message without proposed switch stands and with MEP indication (TAX) added.
T12.52.B003.0	BS sends a E30, 27, E03 message with QTY specified in 2 decimals.
T12.52.B004.0	BS sends a E30, 27, E03 message with a definitive meter stand (81 instead of 22/86/102).
T12.52.B005.0	BS sends a E30, 27, E03 message for 1 metering point, 1 register, origin of meter stand is E26.
T12.52.B006.0	BS sends a E30, 27, E03 message for 1 metering point, without registers and without origin of meter stand.
T12.52.B007.0	BS sends a E30, 27, E03 message for 1 metering point, with 1 register with register value 5.
S12.52.B003.0	MPA sends a 406, 27, E03 message.
S12.52.B001.0	MPA sends a 414, 27, E03 confirmation message.
S12.52.B002.0	MPA sends a 414, 27 rejection message with reason metering blocked for switch (E22).
S12.52.B004.0	MPA sends a E11, 27, E23 periodic message with Origin of Meter Stand is N03 and Type of Metering Point is Consumption.
S12.52.B005.0	MPA sends a E11, 27, E23 periodic message with authorized meter stand. Origin of Meter Stand is E26 and Type of Metering Point is Consumption
S12.52.B006.0	MPA sends a E11, 27, E03 switch message for 1 meter with negotiated meter stand. Origin of Meter Stand is N03 and Type of Metering Point is Consumption
S12.52.B007.0	MPA sends a E11, 27, E03 switch message for 1 meter with authorized meter stand. Origin of Meter Stand is E26 and Type of Metering Point is Consumption
S12.52.B008.0	MPA sends a E36, 27, E03 end of contract with reason supplier change.
S12.52.B009.0	MPA sends a E36, 27, E03 start of contract with reason supplier change.
S12.52.B010.0	MPA sends a E36, 27, E03 start of contract with reason supplier change, where message date is in wintertime and start of contract is in summertime.
S12.52.B011.0	MPA sends a E36, 27, E03 end of contract with reason supplier change, where message date is in summertime and end of contract is in wintertime.

12.3 Message Test transactions for the Balance Supplier

Test transaction	Purpose
S12.06.B001.0	BS sends a 392, 23, E03 message without proposed switch stands.
S12.06.B002.0	BS sends a 392, 23, E03 message with proposed switch stands.
S12.06.B003.0	BS sends a E30, 23, E03 message for 2 Metering Points with both high and low meter stands (2 registers number 1 and 2).
S12.06.B004.0	BS sends a E30, 23, E03 message for 1 metering point, 2 registers, origin of meter stand is E26.
S12.06.B005.0	BS sends a E30, 23, E03 message for 1 metering point, 4 registers, origin of meter stand is E26.
S12.06.B006.0	BS sends a E30, 23, E03 message for 1 Metering Point, 2 registers, origin of meter stand is N03.
T12.06.B009.0	MPA sends a 406, 23, E03 confirmation message.
T12.06.B010.0	MPA sends a 406, 23, E03 confirmation message for an unknown metering point.
T12.06.B001.0	MPA sends a 414, 23, E03 confirmation message with MEP indication (TAX) missing.
T12.06.B002.0	MPA sends a 414, 23 Rejection message with MEP indication (TAX) added.
T12.06.B003.0	MPA sends a 414, 23, E03 with confirmation and rejection within the same message, for 2 different metering points.
T12.06.B004.0	MPA sends a 414, 23, E03 confirmation message with code E02 as Agreement Type description code.
T12.06.B005.0	MPA sends a E11, 23, E03 switch message for 1 meter with 2 stands (high/low) with negotiated switch stands. Origin of Meter Stand is N03 and Type of Metering Point is Consumption
T12.06.B006.0	MPA sends a E11, 23, E03 switch message for 1 meter with 2 stands (high/low) with authorized switch stands. Origin of Meter Stand is E26 and Type of Metering Point is Consumption.
T12.06.B007.0	MPA sends a E11, 23, E03 switch message for 1 meter with 2 stands (high/low) with reactive energy (not allowed for switch stands). Origin of Meter Stand is E27 and Type of Metering Point is Consumption.
T12.06.B008.0	MPA sends a E11, 23, E03 switch message for 1 meter with 1 register and unknown reason description code E04. Origin of Meter Stand is E26 and Type of Metering Point is Consumption
T12.06.B011.0	MPA sends a E11, 23, E23 periodic message, having QTY specified in 2 decimals. Origin of Meter Stand is E26 and Type of Metering Point is Consumption.
T12.06.B012.0	MPA sends a E11, 23, E23 periodic message, with status description code 121 for the volume (STS+8+121). Origin of Meter Stand is E26 and Type of Metering Point is Consumption
T12.06.B013.0	MPA sends a E11, 23, E23 periodic message with negotiated meter stand (high/low). Origin of Meter Stand is N03 and Type of Metering Point is

	Consumption.
T12.06.B014.0	MPA sends a E11, 23, E23 periodic message with authorized meter stand (high/low). Origin of Meter Stand is E26 and Type of Metering Point is Consumption.
T12.06.B015.0	MPA sends a E11, 23, E03 switch message for 1 Metering Point with Origin of Meter Stand N03 and Type of Metering Point E20
T12.06.B016.0	MPA sends a E11, 23, E03 switch message for 1 Metering Point with Origin of Meter Stand N05 and Type of Metering Point Consumption
T12.06.B017.0	MPA sends a E11, 23, E03 switch message for 1 Metering Point with Origin of Meter Stand E30 and Type of Metering Point Consumption

12.4 Message Test transactions for the Balance Supplier (Gas)

Test transaction	Purpose
S12.56.B001.0	BS sends a 392, 27, E03 without proposed switch stands.
S12.56.B002.0	BS sends a 392, 27, E03 with proposed switch stands.
T12.56.B008.0	MPA sends a 406, 27, E03 confirmation message.
T12.56.B009.0	MPA sends a 406, 27, E03 confirmation message for an unknown metering point.
T12.56.B010.0	MPA sends a 406, 27, E03 confirmation message with LOC (LOC+172) segment missing.
T12.56.B001.0	MPA sends a 414, 27, E03 confirmation message with MEP indication (TAX) added.
T12.56.B002.0	MPA sends a 414, 27, E03 with confirmation and rejection within the same message, for 2 different metering points
T12.56.B003.0	MPA sends a 414, 27, E03 confirmation message with agreement type description code E02
T12.56.B004.0	MPA sends a E11, 27, E03 switch message with negotiated switch stand. Origin of Meter Stand is N03 and Type of Metering Point is Consumption.
T12.56.B005.0	MPA sends a E11, 27, E03 switch message with authorized switch stand. Origin of Meter Stand is E26 and Type of Metering Point is Consumption
T12.56.B006.0	MPA sends a E11, 27, E03 switch message with switch stand for reactive energy. Origin of Meter Stand is E26 and Type of Metering Point is Consumption
T12.56.B007.0	MPA sends a E11, 27, E03 switch message with a switch stand with unknown reason description code E04. Origin of Meter Stand is E26 and Type of Metering Point is Consumption.
T12.56.B011.0	MPA sends a E11, 27, E23 periodic message with QTY specified in 2 decimals. Origin of Meter Stand is E26 and Type of Metering Point is Consumption.
T12.56.B012.0	MPA sends a E11, 27, E23 periodic message with status description code 121 in the volume. Origin of Meter Stand is E26 and Type of Metering Point is Consumption.
T12.56.B013.0	MPA sends a E11, 27, E23 periodic message with negotiated meter stand. Origin

	of Meter Stand is N03 and Type of Metering Point is Consumption.
T12.56.B014.0	MPA sends a E11, 27, E23 periodic message with authorized meter stand. Origin of Meter Stand is E26 and Type of Metering Point is Consumption.
T12.56.B015.0	MPA sends a E11, 27, E03 switch message for 1 Metering Point with Origin of Meter Stand N03 and Type of Metering Point E20.
T12.56.B016.0	MPA sends a E11, 27, E03 switch message for 1 Metering Point with Origin of Meter Stand N05 and Type of Metering Point Consumption
T12.56.B017.0	MPA sends a E11, 27, E03 switch message for 1 Metering Point with Origin of Meter Stand E30 and Type of Metering Point Consumption
S12.56.B003.0	BS sends a E30, 27, E03 for 2 metering points, each with one register.

12.5 Message Test transactions for the Balance Responsible Party

Test transaction	Purpose
T12.07.B001.0	MPA sends a E09, 23, E03 start of contract message with reason supplier change.
T12.07.B002.0	MPA sends a E09, 23, E03 start of contract message with reason supplier change, where message time is wintertime and start of contract is summertime.
T12.07.B003.0	MPA sends a E09, 23, E03 start of contract message with reason supplier change and start of contract date 3 months before current date.
T12.08.B001.0	MPA sends a E09, 23, E03 end of contract message with reason supplier change.
T12.08.B002.0	MPA sends a E09, 23, E03 end of contract message with reason supplier change, where message date is summertime and end of contract in wintertime.
T12.08.B003.0	MPA sends a E09, 23, E03 end of contract with reason supplier change and unknown reason description code (E04).
T12.08.B004.0	MPA sends a E09, 23, E03 end of contract message with reason supplier change and end of contract date 3 months before current date.

12.6 Message Test transactions for the Transport Capacity Responsible Party

Test transaction	Purpose
T12.59.B001.0	MPA sends a E36, 27, E03 end of contract message with reason supplier change.
T12.59.B002.0	MPA sends a E36, 27, E03 start of contract message with reason supplier change
T12.59.B003.0	MPA sends a E36, 27, E03 start of contract message with reason supplier change where message date is in wintertime and start of contract is in summertime.
T12.59.B004.0	MPA sends a E36, 27, E03 end of contract message with reason supplier change where message date is in summertime and end of contract is in wintertime.
T12.59.B005.0	MPA sends a E36, 27, E03 end of contract message with reason supplier change and unknown reason description code E04.
T12.59.B006.0	MPA sends a E36, 27, E03 start of contract message with reason supplier change and start of contract date 3 months before current date.
T12.59.B007.0	MPA sends a E36, 27, E03 end of contract message with reason supplier change and end of contract date 3 months before current date.

13. Structure: Move Out

13.1 Message Test transactions for the Metering Point Administrator

Test transaction	Purpose
T13.02.B001.0	BS sends a 432, 23, E01 message without proposed switch stands and with unknown reason description code (E04 instead of E03).
T13.02.B002.0	BS sends a 432, 23, E01 message without proposed switch stands and with MEP indication (TAX) added.
T13.02.B003.0	BS sends a 432, 23, E01 message with the segment that indicates if switch stands are to be expected (INP segment) missing
S13.02.B001.0	MPA sends a 406, 23, E01 confirmation message.
S13.02.B002.0	MPA sends a 406, 23 rejection message with reason metering point blocked for switch (E22).

13.2 Message Test transactions for Metering Point Administrator (Gas)

Test Transaction	Purpose
S13.52.B001.0	MPA sends a 406, 27, E01 confirmation message.
S13.52.B002.0	MPA sends a 406, 27 rejection message with reason metering point blocked for switch (E22).
T13.52.B001.0	BS sends a 432, 27, E01 message without proposed switch stands and with unknown reason description code (E04 instead of E03).
T13.52.B002.0	BS sends a 432, 27, E01 message without proposed switch stands and with MEP indication (TAX) added.
T13.52.B003.0	BS sends a 432, 27, E01 message with the segment that indicates if switch stands are to be expected (INP segment) missing

13.3 Message Test transactions for the Balance Supplier

Test transaction	Purpose
T13.06.B001.0	MPA sends a 406, 23, E01 confirmation message
T13.06.B002.0	MPA sends a 406, 23 Rejection message with MEP indication (TAX) added
T13.06.B003.0	MPA sends a 406, 23, E01 message, with both confirmation and rejection within one message for 2 different metering points.
T13.06.B004.0	MPA sends a 406, 23, E01 confirmation message with agreement identification (AGR) added
S13.06.B001.0	Send a 432, 23, E01 message without proposed switch stands.
S13.06.B002.0	Send a 432, 23, E01 message with proposed switch stands.

13.4 Message Test transactions for the Balance Supplier (Gas)

Test transaction	Purpose
T13.56.B001.0	MPA sends a 406, 27, E01 confirmation message
T13.56.B002.0	MPA sends a 406, 27 Rejection message with MEP indication (TAX) added.
T13.56.B003.0	MPA sends a 406, 27, E01 message with both confirmation and rejection in the same message for 2 different metering points.
T13.56.B004.0	MPA sends a 406, 27, E01 confirmation message with agreement identification (AGR) added
S13.56.B001.0	Send a 432, 27, E01 message without proposed switch stand
S13.56.B002.0	Send a 432, 27, E01 message with proposed switch stands.

14. Structure: Change of Metered Data Responsible

14.1 Process tests for the Metered Data Responsible

Test transaction	Purpose
S01.01.P001.0	MDR sends a message with a UTILMD 392, 23, E57
S01.01.P003.0	MDR sends a message with a UTILMD 392, 23, E57 with 'contract start date' in different time zone from current time

14.2 Message tests for the Metered Data Responsible

Test transaction	Purpose
T01.01.B001.0	Send a UTILMD 414, 23, E57 with a rejection with Answer E55 (= not allowed 'NewMeteredDataResponsible')
T01.01.B002.0	Send a UTILMD 414, 23, E57 with a confirmation without mandatory segment with 'contract start date'
T01.01.B003.0	Send a UTILMD 414, 23, E57 with a rejection but with invalid TransactionResponseReason_Code E61
T01.01.B004.0	Send a UTILMD 414, 23, E57 with a confirmation but with reason E47 instead of E57
T01.01.B005.0	Send a UTILMD 414, 23, E57 with a confirmation but with an TransactionResponseReason_Code 'E10'
T01.01.B006.0	Send a UTILMD 414, 23, E57 with a confirmation
T01.01.B008.0	Send a UTILMD 414, 23, E57 with a confirmation but with an empty LOC 3227
T01.03.B001.0	MPA sends a message with a UTILMD E44, 23, E57 without the mandatory segment with 'NewMeteredDataResponsible'
T01.03.B002.0	MPA sends a message with a UTILMD E44, 23, E57
T01.03.B003.0	MPA sends a message with a UTILMD E44, 23, E57 without the mandatory 'contract end date' in the segment
T01.03.B004.0	MPA sends a message with a UTILMD E44, 23, E57 with LOC 3055 '19' mentioned
T01.03.B005.0	MPA sends a message with a UTILMD E44, 23, E57 with an unknown 'metering point'

14.3 Process tests for the Metered Data Responsible (Gas)

Test transaction	Purpose
S01.51.P001.0	MDR sends a message with a UTILMD 392, 27, E57
S01.51.P003.0	MDR sends a message with a UTILMD 392, 27, E57 with 'contract start date' in different time zone from current time

14.4 Message tests for the Metered Data Responsible (Gas)

Test transaction	Purpose
T01.51.B001.0	Send a UTILMD 414, 27, E57 with a rejection with Answer E55 (= not allowed 'NewMeteredDataResponsible')
T01.51.B002.0	Send a UTILMD 414, 27, E57 with a confirmation without mandatory segment with 'contract start date'
T01.51.B003.0	Send a UTILMD 414, 27, E57 with a rejection but with invalid TransactionResponseReason_Code E61
T01.51.B004.0	Send a UTILMD 414, 27, E57 with a confirmation but with reason E47 instead of E57
T01.51.B005.0	Send a UTILMD 414, 27, E57 with a confirmation but with an answer code 'E10'
T01.51.B006.0	Send a UTILMD 414, 27, E57 with a confirmation
T01.51.B008.0	Send a UTILMD 414, 27, E57 with a confirmation and with an empty LOC 3227
T01.53.B001.0	MPA sends a message with a UTILMD E44, 27, E57 without the mandatory segment with 'NewMeteredDataResponsible'
T01.53.B002.0	MPA sends a message with a UTILMD E44, 27, E57
T01.53.B003.0	MPA sends a message with a UTILMD E44, 27, E57 without the mandatory 'contract end date' in the segment
T01.53.B004.0	MPA sends a message with a UTILMD E44, 27, E57 with LOC 3055 '19' mentioned

14.5 Process Tests for Metering Point Administrator

Test transaction	Purpose
T01.02.P001.0	MDR sends a message with a UTILMD 392, 23, E57
T01.02.P002.0	MDR sends a message with a UTILMD 392, 23, E57
T01.02.P004.0	MDR sends a message with a UTILMD 392, 23, E57 with contract start date in the past
T01.02.P005.0	MDR sends a message with a UTILMD 392, 23, E57 with an unknown 'metering point'

14.6 Message Tests for Metering Point Administrator

Test transaction	Purpose
T01.02.B001.0	MDR sends a message with a UTILMD 392, 23, E57 with a 'contract start date' with an invalid format (CCYYMMDDhhmmm)
T01.02.B002.0	MDR sends a message with a UTILMD 392, 23, E57 with a 'contract end date' instead of a 'contract start date'
T01.02.B004.0	MDR sends a message with a UTILMD 392, 23, E57 with LOC 3055 '19' mentioned
T01.02.B005.0	MDR sends a message with a UTILMD 392, 23, E57 with invalid qualifier E01 for

	ReasonTransactionCode
T01.02.B006.0	MDR sends a message with a UTILMD 392, 23, E57 with an approved transaction (STS C555 4405 is '39')
T01.02.B007.0	MDR sends a message with a UTILMD 392, 23, E57 with an invalid ReasonForTransactionCode E10 instead of E57
T01.02.B009.0	Send a UTILMD ERR, 23, E57 without the segment with the reference to the original message
T01.02.B010.0	Send a UTILMD ERR, 23, E57 without the segments for transactions
T01.02.B011.0	Send a UTILMD ERR, 23, E57 with an invalid error code E11 (instead of E10 or E47)
T01.02.B012.0	Send a UTILMD ERR, 23, E57 with reference qualifier MG (instead of TN)

14.7 Process Tests for Metering Point Administrator (Gas)

Test transaction	Purpose
T01.52.P001.0	MDR sends a message with a UTILMD 392, 27, E57
T01.52.P002.0	MDR sends a message with a UTILMD 392, 27, E57
T01.52.P004.0	MDR sends a message with a UTILMD 392, 27, E57 with contract start date in the past
T01.52.P005.0	MDR sends a message with a UTILMD 392, 27, E57 with an unknown 'metering point'

14.8 Message Tests for Metering Point Administrator (Gas)

Test transaction	Purpose
T01.52.B001.0	MDR sends a message with a UTILMD 392, 27, E57 with a 'contract start date' with an invalid format (CCYYMMDDhhmmm)
T01.52.B002.0	MDR sends a message with a UTILMD 392, 27, E57 with a 'contract end date' instead of a 'contract start date'
T01.52.B003.0	MDR sends a message with a UTILMD 392, 27, E57 without the 'NewMeteredDataResponsible' mentioned
T01.52.B004.0	MDR sends a message with a UTILMD 392, 27, E57 with LOC 3055 '19' mentioned
T01.52.B005.0	MDR sends a message with a UTILMD 392, 27, E57 with an invalid qualifier E01 for ReasonForTransactionCode
T01.52.B006.0	MDR sends a message with a UTILMD 392, 27, E57 with an approved transaction (STS C555 4405 is '39')
T01.52.B007.0	MDR sends a message with a UTILMD 392, 27, E57 with an invalid ReasonForTransactionCode E10 instead of E57
T01.52.B009.0	Send a UTILMD ERR, 27, E57 without the segment with the reference to the original message
T01.52.B010.0	Send a UTILMD ERR, 27, E57 without the segments for transactions

T01.52.B011.0	Send a UTILMD ERR, 27, E57 with an invalid error code E11 (instead of E10 or E47)
T01.52.B012.0	Send a UTILMD ERR, 27, E57 with reference qualifier MG (instead of TN)

15. Structure: End of Metering

15.1 Message tests for the Metered Data Responsible

Test transaction	Purpose
T02.01.B001.0	Send a UTILMD 414, 23, E77, Rejection with a party (a party is not allowed)
T02.01.B002.0	Send a UTILMD 414, 23, E77, Rejection with an end date (in a rejection end date is not allowed)
T02.01.B003.0	Send a UTILMD 414, 23, E77, Rejection with code 39 (= Approved)
T02.01.B004.0	Send a UTILMD 414, 23, E77, Rejection with a transaction code 7 instead of answer code E01 (7 for both STS segments)
T02.01.B005.0	Send a UTILMD 414, 23, E77, Rejection with E01 (=Answer) instead of transaction code 7 (E01 for both STS segments)
T02.01.B006.0	Send a UTILMD 414, 23, E77, Confirmation with 39 (=Approved)
T02.01.B007.0	Send a UTILMD 414, 23, E77, Confirmation with party (a party is not allowed)
T02.01.B008.0	Send a UTILMD 414, 23, E77, Rejection with E01, E10

15.2 Message tests for the Metered Data Responsible (Gas)

Test transaction	Purpose
T02.51.B001.0	Send a UTILMD 414, 27, E77, Rejection with a party (a party is not allowed)
T02.51.B002.0	Send a UTILMD 414, 27, E77, Rejection with an end date (in a rejection end date is not allowed)
T02.51.B003.0	Send a UTILMD 414, 27, E77, Rejection with code 39 (= Approved)
T02.51.B004.0	Send a UTILMD 414, 27, E77, Rejection with a transaction code 7 instead of answer code E01 (E01 for both STS segments)
T02.51.B005.0	Send a UTILMD 414, 27, E77, Rejection with E01 (=Answer) instead of transaction code 7 (E01 for both STS segments)
T02.51.B006.0	Send a UTILMD 414, 27, E77, Confirmation with 39 (=Approved)
T02.51.B007.0	Send a UTILMD 414, 27, E77, Confirmation with party (a party is not allowed)
T02.51.B008.0	Send a UTILMD 414, 27, E77, Rejection with E01, E10

15.3 Process Test transactions for the Metering Point Administrator

Test transaction	Purpose
T02.02.P001.0	MDR sends a message with a UTILMD 392, 23, E77
T02.02.P002.0	MDR sends a message with a UTILMD 392, 23, E77 where end date lies before the message date in the past

15.4 Message Test transactions for the Metering Point Administrator

Test transaction	Purpose
T02.02.B001.0	Send a UTILMD 392, 23, E77, with a party (a party is not allowed)
T02.02.B002.0	Send a UTILMD 392, 23, E77, with DEA instead of Z05 in NAD
T02.02.B003.0	Send a UTILMD 392, 23, E77, with 5 instead of 9 in BGM segment (=update)
T02.02.B004.0	Send a UTILMD 392, 23, E77, with start date instead of end date

15.5 Process Test transactions for the Metering Point Administrator (Gas)

Test transaction	Purpose
T02.52.P001.0	MDR sends a message with a UTILMD 392, 27, E77
T02.52.P002.0	MDR sends a message with a UTILMD 392, 27, E77 where end date lies before the message date in the past

15.6 Message Test transactions for the Metering Point Administrator (Gas)

Test transaction	Purpose
T02.52.B001.0	Send a UTILMD 392, 27, E77, with a party (a party is not allowed)
T02.52.B002.0	Send a UTILMD 392, 27, E77, with DEA instead of Z05 in NAD
T02.52.B003.0	Send a UTILMD 392, 27, E77, with 5 instead of 9 in BGM segment (=update)
T02.52.B004.0	Send a UTILMD 392, 27, E77, with start date instead of end date

16. Structure: Distribute Master Data Metering Point

16.1 Process tests for the Metered Data Responsible

Test transaction	Purpose
S06.01.P001.0	MDR sends a request with UTILMD E10, 23, E32
S06.01.P002.0	MDR sends a request with UTILMD E10, 23, E48

16.2 Message tests for the Metered Data Responsible

Test transaction	Purpose
T06.01.B001.0	MPA sends a message with a UTILMD E07, 23, E32 for a single tariff Meter without an Estimated Periodic Consumption Value
T06.01.B002.0	MPA sends a message with a UTILMD E07, 23, E32 for a single tariff Meter with an Estimated Periodic Consumption Value and a Contracted Capacity
T06.01.B004.0	MPA sends a message with a UTILMD E07, 23, E32 for a double tariff Meter with an Estimated Periodic Consumption Value and a Contracted Capacity
T06.01.B005.0	MPA sends a message with a UTILMD E07, 23, E32 without a Location (SG-4 LOC)
T06.01.B006.0	MPA sends a message with a UTILMD E07, 23, with ReasonForTransaction_Code E22 instead of E32
T06.01.B007.0	MPA sends a message with a UTILMD E07, 23, E32 with an invalid ProductID (0-0-0-0-0-0)
T06.01.B009.0	MPA sends a message with a UTILMD E07, 23, E32 with a Product Code for Natural Gas (5410000100016)
T06.01.B010.0	MPA sends a message with a UTILMD E07, 23, E32 with Pressure_Code E16 instead of E10 or E11 (Pressure was MeterTimeFrame_Code)
T06.01.B011.0	MPA sends a message with a UTILMD E07, 23, E32 with the fields of the MP_Address (cityName, postCode, street) filled in the Party_ID of the MDR
T06.01.B012.0	MPA sends a message with a UTILMD E07, 23, E32 with gas profile G2A
T06.01.B014.0	MPA sends a message with a UTILMD E07, 23, E32 with a Measurement Unit Qualifier MTQ (Cubic Meter) instead of KWH
T06.01.B015.0	MPA sends a message with a UTILMD E07, 23, E32 with TransportCapacityQuantity Z01 instead of 123
T06.01.B016.0	MPA sends a message with a UTILMD E07, 23, E32 without a NextSchedulingInvoiceDate
T06.01.B017.0	MPA Sends a UTILMD E07, 23, E32 for 1 Metering Point with Estimated Periodic Consumption Value and Contracted Capacity .Where no Market Parties are indicated in the class MP_Party

T06.01.B018.0	MPA Sends a UTILMD E07, 23, E32 for 1 Metering Point with only Estimated Periodic Consumption. Therefore Connection service is lacking.
T06.01.B019.0	MPA Sends a UTILMD E07, 23, E32 for 1 Metering Point with Estimated Periodic Consumption Value and Contracted Capacity. PhysicalOrAdministrativeStatus_Code is E24.
T06.01.B020.0	MPA Sends a UTILMD E07, 23, E32 for 1 Metering Point with Estimated Periodic Consumption Value and Contracted Capacity. TypeOfMetering Point Code is E20.

16.3 Process tests for the Metered Data Responsible (Gas)

Test transaction	Purpose
S06.51.P001.0	MDR sends a request with UTILMD E10, 27, E32
S06.51.P002.0	MDR sends a request with UTILMD E10, 27, E48

16.4 Message tests for the Metered Data Responsible (Gas)

Test transaction	Purpose
T06.51.B001.0	MPA sends a message with a UTILMD E07, 27, E32 for a single tariff Meter without an Estimated Periodic Consumption Value
T06.51.B002.0	MPA sends a message with a UTILMD E07, 27, E32 for a single tariff Meter with an Estimated Periodic Consumption Value and a Contracted Capacity
T06.51.B004.0	MPA sends a message with a UTILMD E07, 27, E32 for a double tariff Meter with an Estimated Periodic Consumption Value and a Contracted Capacity (a double tariff Meter is not possible for gas)
T06.51.B005.0	MPA sends a message with a UTILMD E07, 27, E32 without a Location (SG-4 LOC)
T06.51.B006.0	MPA sends a message with a UTILMD E07, 27, with ReasonForTransaction_Code E22 instead of E32
T06.51.B007.0	MPA sends a message with a UTILMD E07, 27, E32 with an invalid ProductID (0-0-0-0-0)
T06.51.B009.0	MPA sends a message with a UTILMD E07, 27, E32 with a Product Code for Energy Active (8716867000030)
T06.51.B010.0	MPA sends a message with a UTILMD E07, 27, E32 with TAX segment for Energy Tax Code (this is only used for electricity)
T06.51.B011.0	MPA sends a message with a UTILMD E07, 27, E32 with the fields of the MP_Address (cityName, postCode, street) filled in the Party_ID of the MDR
T06.51.B012.0	MPA sends a message with a UTILMD E07, 27, E32 with electricity profile 2A
T06.51.B013.0	MPA sends a message with a UTILMD E07, 27, E32 where Settlement Method is Non-Profiled (E02) but the Profile is given G2A
T06.51.B014.0	MPA sends a message with a UTILMD E07, 27, E32 with a Measurement Unit Qualifier KWH instead of MTQ

T06.51.B015.0	MPA sends a message with a UTILMD E07, 27, E32 with TransportCapacityQuantity Z01 instead of 123
T06.51.B016.0	MPA sends a message with a UTILMD E07, 27, E32 without a NextSchedulingInvoiceDate.
T06.51.B017.0	MPA sends a message with a UTILMD E07, 23, E32 with an Estimated Periodic Consumption Value and a Contracted Capacity to Metered Data Responsible (Z05) where the MP_Party is missing.
T06.51.B018.0	MPA sends a message with a UTILMD E07, 23, E32 with an Estimated Periodic Consumption Value to Metered Data Responsible (Z05) where the Connection Service is missing.
T06.51.B019.0	MPA sends a message with a UTILMD E07, 23, E32 with an Estimated Periodic Consumption Value and a Contracted Capacity to MDR (Z05) where the Adm.Status_Code is E24.
T06.51.B020.0	MPA sends a message with a UTILMD E07, 23, E32 with an Estimated Periodic Consumption Value and a Contracted Capacity to MDR (Z05) where the TypeOfMetering Point is E20.

16.5 Process Test transactions for the Metering Point Administrator

Test transaction	Purpose
S06.02.P001.0	MPA sends a message with a UTILMD E07, 23, E32 to Balance Supplier (DDQ)
S06.02.P002.0	MPA sends a message with a UTILMD E07, 23, E32 to Balance Responsible Party (DDK)
S06.02.P003.0	MPA sends a message with a UTILMD E07, 23, E32 to Meter Data Responsible (Z05) without an Estimated Periodic Consumption Volume
S06.02.P004.0	MPA sends a message with a UTILMD E07, 23, E32 for a single tariff Meter with an Estimated Periodic Consumption Value and a Contracted Capacity to Meter Data Responsible (Z05)
S06.02.P005.0	MPA sends a message with a UTILMD E07, 23, E32 with Grid Contract E03 to Meter Data Responsible (Z05)
S06.02.P006.0	MPA sends a message with a UTILMD E07, 23, E21 to Meter Data Responsible (Z05)
S06.02.P007.0	MPA sends a message with a UTILMD E07, 23, E32 for a double tariff Meter with an Estimated Periodic Consumption Value to Meter Data Responsible (Z05)
S06.02.P008.0	MPA sends a message with a UTILMD E07, 23, E32 for a double tariff Meter with an Estimated Periodic Consumption Value and a Contracted Capacity to Meter Data Responsible (Z05) where MP_party is missing.
T06.02.P001.0	Balance Supplier sends a request with UTILMD E10, 23, E32
T06.02.P002.0	Balance Supplier sends a request with UTILMD E10, 23, E48

16.6 Message Test transactions for the Metering Point Administrator

Test transaction	Purpose
S06.02.B001.0	MPA Sends a UTILMD E07, 23, E32 for 1 Metering Point with Estimated Periodic Consumption Value and Contracted Capacity. Where no Market Parties are indicated in the class MP_Party
S06.02.B002.0	MPA Sends a UTILMD E07, 23, E32 for 1 Metering Point with Estimated Periodic Consumption Value and Contracted Capacity. TypeOfMetering Point Code is E19.
S06.02.B003.0	MPA Sends a UTILMD E07, 23, E32 for 1 Metering Point with Estimated Periodic Consumption Value and Contracted Capacity. PhysicalOrAdministrativeStatus_Code is E22.
T06.02.B001.0	Balance Supplier sends a request with UTILMD E10, 23, E32 without segments for a Metering Point
T06.02.B002.0	Balance Supplier sends a request with UTILMD E10, 23, E32 with two Metering Points (only one allowed)
T06.02.B003.0	Balance Supplier sends a request with UTILMD E10, 23, E32 with an STS with Qualifier E01 instead of 7 for ReasonForTransaction_Code

16.7 Process Test transactions for the Metering Point Administrator (Gas)

Test transaction	Purpose
S06.52.P001.0	MPA sends a message with a UTILMD E07, 27, E32, with High Pressure to Balance Supplier (DDQ)
S06.52.P002.0	MPA sends a message with a UTILMD E07, 27, E32, with High Pressure to Transport Capacity Responsible Party (TCR)
S06.52.P003.0	MPA sends a message with a UTILMD E07, 27, E32 to Meter Data Responsible (Z05) without an Estimated Periodic Consumption Value
S06.52.P004.0	MPA sends a message with a UTILMD E07, 27, E32 for a single tariff Meter with an Estimated Periodic Consumption Value and a Contracted Capacity to Meter Data Responsible (Z05)
S06.52.P005.0	MPA sends a message with a UTILMD E07, 27, E32 with Grid Contract E03 to Meter Data Responsible (Z05)
S06.52.P006.0	MPA sends a message with a UTILMD E07, 27, E21 to Meter Data Responsible (Z05)
T06.52.P001.0	Balance Supplier sends a request with UTILMD E10, 27, E32
T06.52.P002.0	Balance Supplier sends a request with UTILMD E10, 27, E48

16.8 Message Test transactions for the Metering Point Administrator (Gas)

Test transaction	Purpose
S06.52.B001.0	MPA Sends a UTILMD E07, 27, E32 for 1 Metering Point with Estimated Periodic Consumption Value and Contracted Capacity. Where no Market Parties are

	indicated in the class MP_Party
S06.52.B002.0	MPA Sends a UTILMD E07, 27, E32 for 1 Metering Point with Estimated Periodic Consumption Value and Contracted Capacity. TypeOfMetering Point Code is E17.
S06.52.B003.0	MPA Sends a UTILMD E07, 27, E32 for 1 Metering Point with Estimated Periodic Consumption Value and Contracted Capacity. PhysicalOrAdministrativeStatus_Code is E22.
T06.52.B001.0	Balance Supplier sends a request with UTILMD E10, 27, E32 without segments for a Metering Point
T06.52.B002.0	Balance Supplier sends a request with UTILMD E10, 27, E32 with two Metering Points (only one allowed)

16.9 Process Test transactions for the Balance Supplier

Test transaction	Purpose
S06.06.P001.0	Balance Supplier sends a request with UTILMD E10, 23, E32
S06.06.P002.0	Balance Supplier sends a request with UTILMD E10, 23, E48

16.10 Message Test transactions for the Balance Supplier

Test transaction	Purpose
T06.06.B001.0	MPA sends a message with a UTILMD E07, 23, E32 for a single tariff Meter without an Estimated Periodic Consumption Value
T06.06.B002.0	MPA sends a message with a UTILMD E07, 23, E32 for a single tariff Meter with an Estimated Periodic Consumption Value and a Contracted Capacity
T06.06.B004.0	MPA sends a message with a UTILMD E07, 23, E32 for a double tariff Meter with an Estimated Periodic Consumption Value and a Contracted Capacity
T06.06.B005.0	MPA sends a message with a UTILMD E07, 23, E32 without a Location (SG-4 LOC)
T06.06.B006.0	MPA sends a message with a UTILMD E07, 23, with ReasonForTransaction_Code E22 instead of E32
T06.06.B007.0	MPA sends a message with a UTILMD E07, 23, E32 with an invalid ProductID (0-0-0-0-0)
T06.06.B009.0	MPA sends a message with a UTILMD E07, 23, E32 with a Product Code for Natural Gas (5410000100016)
T06.06.B010.0	MPA sends a message with a UTILMD E07, 23, E32 with Pressure_Code E16 instead of E10 or E11 (Pressure was MeterTimeFrame_Code)
T06.06.B011.0	MPA sends a message with a UTILMD E07, 23, E32 with the fields of the MP_Address (cityName, postCode, street) filled in the Party_ID of the MDR
T06.06.B012.0	MPA sends a message with a UTILMD E07, 23, E32 with gas profile G2A
T06.06.B013.0	MPA sends a message with a UTILMD E07, 23, E32 where Settlement Method is Non-Profiled (E02) but the Profile is given 2A

T06.06.B014.0	MPA sends a message with a UTILMD E07, 23, E32 with a Measurement Unit Qualifier MTQ (Cubic Meter) instead of KWH
T06.06.B015.0	MPA sends a message with a UTILMD E07, 23, E32 with TransportCapacityQuantity Z01 instead of 123
T06.06.B016.0	MPA sends a message with a UTILMD E07, 23, E32 without a NextSchedulingInvoiceDate
T06.06.B017.0	MPA Sends a UTILMD E07, 23, E32 for 1 Metering Point with Estimated Periodic Consumption Value and Contracted Capacity .Where no Market Parties are indicated in the class MP_Party
T06.06.B018.0	MPA Sends a UTILMD E07, 23, E32 for 1 Metering Point with only Estimated Periodic Consumption. Therefore Connection service is lacking
T06.06.B019.0	MPA Sends a UTILMD E07, 23, E32 for 1 Metering Point with Estimated Periodic Consumption Value and Contracted Capacity. PhysicalOrAdministrativeStatus_Code is E24.
T06.06.B020.0	MPA Sends a UTILMD E07, 23, E32 for 1 Metering Point with Estimated Periodic Consumption Value and Contracted Capacity. TypeOfMetering Point Code is E20.

16.11 Process Test transactions for the Balance Supplier (Gas)

Test transaction	Purpose
S06.56.P001.0	Balance Supplier sends a request with UTILMD E10, 27, E32
S06.56.P002.0	Balance Supplier sends a request with UTILMD E10, 27, E48

16.12 Message Test transactions for Balance Supplier (Gas)

Test transaction	Purpose
T06.56.B001.0	MPA sends a message with a UTILMD E07, 27, E32 for a single tariff Meter without an Estimated Periodic Consumption Value
T06.56.B002.0	MPA sends a message with a UTILMD E07, 27, E32 for a single tariff Meter with an Estimated Periodic Consumption Value and a Contracted Capacity
T06.56.B004.0	MPA sends a message with a UTILMD E07, 27, E32 for a double tariff Meter with an Estimated Periodic Consumption Value and a Contracted Capacity (a double tariff Meter is not possible for gas)
T06.56.B005.0	MPA sends a message with a UTILMD E07, 27, E32 without a Location (SG-4 LOC)
T06.56.B006.0	MPA sends a message with a UTILMD E07, 27, with ReasonForTransaction_Code E22 instead of E32
T06.56.B007.0	MPA sends a message with a UTILMD E07, 27, E32 with an invalid ProductID (0-0-0-0-0)
T06.56.B009.0	MPA sends a message with a UTILMD E07, 27, E32 with a Product Code for Energy Active (8716867000030)
T06.56.B010.0	MPA sends a message with a UTILMD E07, 27, E32 with TAX segment for

	Energy Tax Code (this is only used for electricity)
T06.56.B011.0	MPA sends a message with a UTILMD E07, 27, E32 with the fields of the MP_Address (cityName, postCode, street) filled in the Party_ID of the MDR
T06.56.B012.0	MPA sends a message with a UTILMD E07, 27, E32 with electricity profile 2A
T06.56.B013.0	MPA sends a message with a UTILMD E07, 27, E32 where Settlement Method is Non-Profiled (E02) but the Profile is given G2A
T06.56.B014.0	MPA sends a message with a UTILMD E07, 27, E32 with a Measurement Unit Qualifier KWH instead of MTQ
T06.56.B015.0	MPA sends a message with a UTILMD E07, 27, E32 with TransportCapacityQuantity Z01 instead of 123
T06.56.B016.0	MPA sends a message with a UTILMD E07, 27, E32 without a NextSchedulingInvoiceDate
T06.56.B017.0	MPA sends a message with a UTILMD E07, 23, E32 with an Estimated Periodic Consumption Value and a Contracted Capacity to Balance Supplier (DDQ) where the MP_Party is missing
T06.56.B018.0	MPA sends a message with a UTILMD E07, 23, E32 with an Estimated Periodic Consumption Value to Balance Supplier (DDQ) where the Connection Service is missing
T06.56.B019.0	MPA sends a message with a UTILMD E07, 23, E32 with an Estimated Periodic Consumption Value and a Contracted Capacity to BS (DDQ) where the Adm.Status_Code is E24.
T06.56.B020.0	MPA sends a message with a UTILMD E07, 23, E32 with an Estimated Periodic Consumption Value and a Contracted Capacity to Balance Supplier (DDQ) where the TypeOfMetering Point Code is E20.

16.13 Process Test transactions for the Balance Responsible Party

Test transaction	Purpose
S06.07.P001.0	BRP sends a request with UTILMD E10, 23, E32
S06.07.P002.0	BRP sends a request with UTILMD E10, 23, E48

16.14 Message Test transactions for the Balance Responsible Party

Test transaction	Purpose
T06.07.B001.0	MPA sends a message with a UTILMD E07, 23, E32 for a single tariff Meter without an Estimated Periodic Consumption Value
T06.07.B002.0	MPA sends a message with a UTILMD E07, 23, E32 for a single tariff Meter with an Estimated Periodic Consumption Value and a Contracted Capacity
T06.07.B004.0	MPA sends a message with a UTILMD E07, 23, E32 for a double tariff Meter with an Estimated Periodic Consumption Value and a Contracted Capacity
T06.07.B005.0	MPA sends a message with a UTILMD E07, 23, E32 without a Location (SG-4

	LOC)
T06.07.B006.0	MPA sends a message with a UTILMD E07, 23, with ReasonForTransaction_Code E22 instead of E32
T06.07.B007.0	MPA sends a message with a UTILMD E07, 23, E32 with an invalid ProductID (0-0-0-0-0)
T06.07.B009.0	MPA sends a message with a UTILMD E07, 23, E32 with a Product Code for Natural Gas (5410000100016)
T06.07.B010.0	MPA sends a message with a UTILMD E07, 23, E32 with Pressure_Code E16 instead of E10 or E11 (Pressure was MeterTimeFrame_Code)
T06.07.B011.0	MPA sends a message with a UTILMD E07, 23, E32 with the fields of the MP_Address (cityName, postCode, street) filled in the Party_ID of the MDR
T06.07.B012.0	MPA sends a message with a UTILMD E07, 23, E32 with gas profile G2A
T06.07.B013.0	MPA sends a message with a UTILMD E07, 23, E32 where Settlement Method is Non-Profiled (E02) but the Profile is given 2A
T06.07.B014.0	MPA sends a message with a UTILMD E07, 23, E32 with a Measurement Unit Qualifier MTQ (Cubic Meter) instead of KWH
T06.07.B015.0	MPA sends a message with a UTILMD E07, 23, E32 with TransportCapacityQuantity Z01 instead of 123
T06.07.B016.0	MPA sends a message with a UTILMD E07, 23, E32 without a NextSchedulingInvoiceDate
T06.07.B017.0	MPA Sends a UTILMD E07, 23, E32 for 1 Metering Point with Estimated Periodic Consumption Value and Contracted Capacity. Where no Market Parties are indicated in the class MP_Party
T06.07.B018.0	MPA Sends a UTILMD E07, 23, E32 for 1 Metering Point with only Estimated Periodic Consumption. Therefore Connection service is lacking
T06.07.B019.0	MPA Sends a UTILMD E07, 23, E32 for 1 Metering Point with Estimated Periodic Consumption Value and Contracted Capacity. PhysicalOrAdministrativeStatus_Code is E24.
T06.07.B020.0	MPA Sends a UTILMD E07, 23, E32 for 1 Metering Point with Estimated Periodic Consumption Value and Contracted Capacity. TypeOfMetering Point Code is E20.

16.15 Process Test transactions for the Transport Capacity Responsible Party

Test transaction	Purpose
S06.59.P001.0	TCR sends a request with UTILMD E10, 27, E32
S06.59.P002.0	TCR sends a request with UTILMD E10, 27, E48

16.16 Message Test transactions for the Transport Capacity Responsible Party

Test transaction	Purpose
T06.59.B001.0	MPA sends a message with a UTILMD E07, 27, E32 for a single tariff Meter

	without an Estimated Periodic Consumption Value
T06.59.B002.0	MPA sends a message with a UTILMD E07, 27, E32 for a single tariff Meter with an Estimated Periodic Consumption Value and a Contracted Capacity
T06.59.B004.0	MPA sends a message with a UTILMD E07, 27, E32 for a double tariff Meter with an Estimated Periodic Consumption Value and a Contracted Capacity (a double tariff Meter is not possible for gas)
T06.59.B005.0	MPA sends a message with a UTILMD E07, 27, E32 without a Location (SG-4 LOC)
T06.59.B006.0	MPA sends a message with a UTILMD E07, 27, with ReasonForTransaction_Code E22 instead of E32
T06.59.B007.0	MPA sends a message with a UTILMD E07, 27, E32 with an invalid ProductID (0-0-0-0-0-0)
T06.59.B009.0	MPA sends a message with a UTILMD E07, 27, E32 with a Product Code for Energy Active (8716867000030)
T06.59.B010.0	MPA sends a message with a UTILMD E07, 27, E32 with TAX segment for Energy Tax Code (this is only used for electricity)
T06.59.B011.0	MPA sends a message with a UTILMD E07, 27, E32 with the fields of the MP_Address (cityName, postCode, street) filled in the Party_ID of the MDR
T06.59.B012.0	MPA sends a message with a UTILMD E07, 27, E32 with electricity profile 2A
T06.59.B013.0	MPA sends a message with a UTILMD E07, 27, E32 where Settlement Method is Non-Profiled (E02) but the Profile is given G2A
T06.59.B014.0	MPA sends a message with a UTILMD E07, 27, E32 with a Measurement Unit Qualifier KWH instead of MTQ
T06.59.B015.0	MPA sends a message with a UTILMD E07, 27, E32 with TransportCapacityQuantity Z01 instead of 123
T06.59.B016.0	MPA sends a message with a UTILMD E07, 27, E32 without a NextSchedulingInvoiceDate
T06.59.B017.0	MPA sends a message with a UTILMD E07, 23, E32 with an Estimated Periodic Consumption Value and a Contracted Capacity to TCR where the MP_Party is missing
T06.59.B018.0	MPA sends a message with a UTILMD E07, 23, E32 with an Estimated Periodic Consumption Value to Transport Capacity Responsible Party (TCR) where the Connection Service is missing
T06.59.B019.0	MPA sends a message with a UTILMD E07, 23, E32 with an Estimated Periodic Consumption Value and a Contracted Capacity to TCR where the Adm.Status_Code is E24
T06.59.B020.0	MPA sends a message with a UTILMD E07, 23, E32 with an Estimated Periodic Consumption Value and a Contracted Capacity to TCR where the TypeOfMetering Point is E20

17. Measure: Exchange validated metered data for billing, stands

17.1 Message tests for the Metered Data Responsible

Test transaction	Purpose
S07.01.B001.0	MDR sends a UTILTS E65, 23, E23, 9 with 1 Metering Point with Consumption High and Low, Reactive Energy Standard Tariff and Power. It concerns 1 Meter with 3 Counters.
S07.01.B002.0	MDR sends a UTILTS E65, 23, E23, 9 with 1 Metering Point with Consumption High and Low, Reactive Energy High and Low and Power. It concerns 2 Meters with 3 Counters each.
S07.01.B004.0	MDR sends a UTILTS E65, 23, E23, 9 with 1 MP with Cons. High and Low, Reactive Energy Standard Tariff and Power. 1 Meter with 3 Counters. Rest Volumes are included as well.
S07.01.B005.0	MDR sends a UTILTS E65, 23, E23, 5 with 1 Metering Point with Consumption High and Low and Reactive Energy high and Low.

17.2 Message tests for the Metered Data Responsible (Gas)

Test transaction	Purpose
S07.51.B001.0	MDR sends a UTILTS E65, 27, E23, 9 with 1 Metering Point with Consumption with Capacity. It concerns 1 Meter with 1 Counter.
S07.51.B002.0	MDR sends a UTILTS E65, 27, E23, 9 with 1 Metering Point with Consumption with Capacity. It concerns 1 Meter with 1 Counter. The Rest volume is included as well.
S07.51.B003.0	MDR sends a UTILTS E65, 27, E23, 5 with 1 Metering Point with Consumption.

17.3 Messages Test Transactions for the Grid Access Provider

Test transaction	Purpose
T07.04.B002.0	MDR sends a UTILTS E65, 23, E23, 9 with 1 Metering Point with Consumption High and Low, Reactive Energy High and Low and Power. It concerns 2 Meters with 3 Counters each.
T07.04.B003.0	MDR sends a UTILTS E65, 23, E23, 9 with 1 MP with Cons. High and Low, Reactive Energy Standard Tariff and Power. 1 Meter with 3 Counters. The Volume for the Validated Energy Volume is missing.
T07.04.B005.0	MDR sends a UTILTS E65, 23, E23, 9 with 1 MP with Cons. High and Low. 1 Meter with 2 Counters. Sequence for Consumption Low is not included, but the rest of the data for the Consumption is included.

T07.04.B007.0	MDR sends a UTILTS E65, 23, E23, 9 with 1 Metering Point with Consumption High and Low. It concerns 1 Meter with 2 Counters. No RegisterID is included for the Energy Stands.
T07.04.B008.0	MDR sends a UTILTS E65, 23, E23, 9 with 1 Metering Point with Consumption High and Low. It concerns 1 Meter with 2 Counters. No MeterReadingDateTime is included for the Energy Stands.
T07.04.B009.0	MDR sends a UTILTS E65, 23, E23, 5 with 1 Metering Point with Consumption High and Low and Reactive Energy High and Low.

17.4 Messages Test Transactions for the Grid Access Provider (Gas)

Test transaction	Purpose
T07.54.B001.0	MDR sends a UTILTS E65, 27, E23, 9 with 1 Metering Point with Consumption and Capacity. It concerns 1 Meter with 1 Counter.
T07.54.B002.0	MDR sends a UTILTS E65, 27, E23, 9 with 1 Metering Point with Consumption. It concerns 1 Meter with 1 Counter. The Volume for the Validated Energy Volume is missing.
T07.54.B004.0	MDR sends a UTILTS E65, 27, E23, 9 with 1 Metering Point with Consumption. It concerns 1 Meter with 1 Counter. No RegisterID is included for the Energy Stand.
T07.54.B005.0	MDR sends a UTILTS E65, 27, E23, 9 with 1 Metering Point with Consumption. It concerns 1 Meter with 1 Counter. No MeterReadingDateTime is included for the Energy Stand.
T07.54.B006.0	MDR sends a UTILTS E65, 27, E23, 9 with 1 Metering Point with Consumption. It concerns 1 Meter with 1 Counter. The Volume is As Read (E01) instead of Normalized (E02)
T07.54.B007.0	MDR sends a UTILTS E65, 27, E23, 5 with 1 Metering Point with Consumption.

18. Structure: Change Balance/Transport Capacity Responsible Party

18.1 Process Test transactions for the Metering Point Administrator

Test transaction	Purpose
T08.02.P001.0	BS sends a message with a UTILMD 392, 23, E56 to MPA

18.2 Message Test transactions for the Metering Point Administrator

Test transaction	Purpose
T08.02.B001.0	BS sends a message with a UTILMD 392, 23, E56 with a Meter Reading Instruction (INP is optional) and a MP_Address (NAD+IT)
T08.02.B002.0	BS sends a message with a UTILMD 392, 23, E56 without a Meter Reading Instruction (INP is optional) but with a MP_Address (NAD+IT)
T08.02.B003.0	BS sends a message with a UTILMD 392, 23, E56 without a MP_Address (NAD+IT) but with a Meter Reading Instruction (INP is optional)
T08.02.B004.0	BS sends a message with a UTILMD 392, 23, E56 with a MP_Address (NAD+IT) without the postal code (postal code field is empty) but with country code
T08.02.B005.0	BS sends a message with a UTILMD 392, 23, E56 without the mandatory contract start date segment (DTM+92)
T08.02.B006.0	BS sends a message with a UTILMD 392, 23 with an invalid Reason for transaction (Answer code E55 instead of Transaction code E56)

18.3 Process Test transactions for the Metering Point Administrator (Gas)

Test transaction	Purpose
T08.52.P001.0	BS sends a message with a UTILMD 392, 27, E68 to MPA

18.4 Message Test transactions for the Metering Point Administrator (Gas)

Test transaction	Purpose
T08.52.B001.0	BS sends a message with a UTILMD 392, 27, E68 with a Meter Reading Instruction (INP is optional) and a MP_Address (NAD+IT)
T08.52.B002.0	BS sends a message with a UTILMD 392, 27, E68 without a Meter Reading Instruction (INP is optional) but with a MP_Address (NAD+IT)
T08.52.B003.0	BS sends a message with a UTILMD 392, 27, E68 without a MP_Address (NAD+IT) but with a Meter Reading Instruction (INP is optional)

T08.52.B004.0	BS sends a message with a UTILMD 392, 27, E68 with a MP_Address (NAD+IT) without the postal code (postal code field is empty) but with country code
T08.52.B005.0	BS sends a message with a UTILMD 392, 27, E68 without the mandatory contract start date segment (DTM+92)
T08.52.B006.0	BS sends a message with a UTILMD 392, 27 with an invalid Reason for transaction (Answer code E55 instead of Transaction code E68)

18.5

Process Test transactions for the Balance Supplier

Test transaction	Purpose
S08.06.P001.0	BS sends a message with a UTILMD 392, 23, E56 to MPA

18.6 Message Test transactions for Balance Supplier

Test transaction	Purpose
T08.06.B001.0	MPA sends a message with a UTILMD 414, 23, E56 with a Confirmation
T08.06.B002.0	MPA sends a message with a UTILMD 414, 23, E56 with a Rejection with reason E18
T08.06.B003.0	MPA sends a message with a UTILMD 414, 23, E56 with a Rejection where the error code contains the following text: "Unauthorized balance responsible party" instead of error code E18
T08.06.B004.0	MPA sends a message with a UTILMD 414, 23, E56 with a Confirmation without the NAD segment with the new BRP

18.7 Process Test transactions for the Balance Supplier (Gas)

Test transaction	Purpose
S08.56.P001.0	BS sends a message with a UTILMD 392, 27, E68 to MPA

18.8 Message Test transactions for Balance Supplier (Gas)

Test transaction	Purpose
T08.56.B001.0	MPA sends a message with a UTILMD 414, 27, E68 with a Confirmation
T08.56.B002.0	MPA sends a message with a UTILMD 414, 27, E68 with a Rejection with reason E16
T08.56.B003.0	MPA sends a message with a UTILMD 414, 27, E68 with a Rejection where error code contains the following text: "Unauthorized balance responsible party" instead of error code E18
T08.56.B004.0	MPA sends a message with a UTILMD 414, 27, E68 with a Confirmation without the NAD segment with the new BRP

18.9 Message Test transactions for the Balance Responsible Party

Test transaction	Purpose
T08.07.B001.0	MPA sends a message to new BRP with a UTILMD E44, 23, E56 with a contract start date
T08.07.B002.0	MPA sends a message to new BRP with a UTILMD E44, 23, E56 without a contract start date and without a contract end date
T08.07.B003.0	MPA sends a message to new BRP with a UTILMD E44, 23, E56 with both a contract start date and contract end date
T08.07.B005.0	MPA sends a message to new BRP with a UTILMD E44, 23, E56 with an invalid role (DDM instead of DDK)
T08.08.B001.0	MPA sends a message to old BRP with a UTILMD E44, 23, E56 with a contract end date

18.10 Message Test transactions for the Transport Capacity Responsible Party

Test transaction	Purpose
T08.59.B001.0	MPA sends a message with a UTILMD E44, 27, E68 with a contract start date
T08.59.B002.0	MPA sends a message with a UTILMD E44, 27, E68 without a contract start date and without a contract end date
T08.59.B003.0	MPA sends a message with a UTILMD E44, 27, E68 with both a contract start date and contract end date
T08.59.B005.0	MPA sends a message with a UTILMD E44, 27, E68 with an invalid role (DDM instead of TCR)
T08.60.B001.0	MPA sends a message with a UTILMD E44, 27, E68 with a contract end date

19. Structure: Distribute Master Data Meter

19.1 Process Test Transactions for the Grid Access Provider

Test transaction	Purpose
S05.04.P001.0	GAP sends a message with a UTILMD E38, 23, E84

19.2 Messages Test Transactions for the Grid Access Provider

Test transaction	Purpose
T05.04.B001.0	MA sends a UTILMD E08, 23, E84 with 1 'meetveld' with 1 register
T05.04.B002.0	MA sends a UTILMD E08, 23, E84 with 2 'meetvelden' with 1 register each
T05.04.B003.0	MA sends a UTILMD E08, 23, E84 with 1 'meetveld' with 2 registers
T05.04.B004.0	MA sends a UTILMD E08, 23, E84 with 2 'meetvelden' with 2 registers each
T05.04.B005.0	MA sends a UTILMD E08, 23, E84 with invalid receiver role (DDQ instead of DDM)
T05.04.B006.0	MA sends a UTILMD E08, 23, E84 without validity start date (DTM+157)
T05.04.B007.0	MA sends a UTILMD E08, 23, E84 without meter time frame code
T05.04.B008.0	MA sends a UTILMD E08, 23, E84 with meter time frame day + night (CCI E07, CAV E10 + CCI E07, CAV E11)
T05.04.B009.0	MA sends a UTILMD E08, 23, E84 with unknown Product Code 5410000100016
T05.04.B010.0	MA sends a UTILMD E08, 23, E84 without the amount of decimals specified (CCI E06)
T05.04.B011.0	MA sends a UTILMD E08, 23, E84 with but 1 meter time frame (day only: CCI E07, CAV E11)
T05.04.B012.0	MA sends a UTILMD E08, 23, E84 with a meter time frame without CAV (only: CCI E07)

19.3 Process Test Transactions for the Grid Access Provider (Gas)

Test transaction	Purpose
S05.54.P001.0	GAP sends a message with a UTILMD E38, 27, E84

19.4 Messages Test Transactions for the Grid Access Provider (Gas)

Test transaction	Purpose
T05.54.B001.0	MA sends a UTILMD E08, 27, E84 with 1 'meetstraat' with 1 register
T05.54.B002.0	MA sends a UTILMD E08, 27, E84 with 2 'meetstraten' with 1 register each
T05.54.B003.0	MA sends a UTILMD E08, 27, E84 with 1 'meetstraat' with 2 registers
T05.54.B004.0	MA sends a UTILMD E08, 27, E84 with 2 'meetstraten' with 2 registers each

T05.54.B005.0	MA sends a UTILMD E08, 27, E84 with segment Meter, but without capacity
T05.54.B007.0	MA sends a UTILMD E08, 27, E84 with an invalid qualifier for CategoryMeasurementUnit
T05.54.B008.0	MA sends a UTILMD E08, 27, E84 with invalid reason for transaction (E85 instead of E84)
T05.54.B009.0	MA sends a UTILMD E08, 27, E84 with invalid G-value, G5 instead of G05
T05.54.B011.0	MA sends a UTILMD E08, 27, E84 with 2 'meetstraten' but with 1 register in the message
T05.54.B012.0	MA sends a UTILMD E08, 27, E84 with 2 registers with the same identifier
T05.54.B013.0	MA sends a UTILMD E08, 27, E84 with an extra SG9 CCI with a meter time frame (CCI E07)

19.5 Messages Test Transactions for the Meter Administrator

Test transaction	Purpose
T05.05.B001.0	GAP sends a message with a UTILMD E38, 23, E84 without metering point (without SG4)
T05.05.B002.0	GAP sends a message with a UTILMD E38, 23, E84 with 2 different metering points (2x SG4)
T05.05.B003.0	GAP sends a message with a UTILMD E38, 23, with ReasonForTransaction_Code E83 instead of E84
T05.05.B004.0	GAP sends a message with a UTILMD E38, 23, E84, with metering point with unknown id
T05.05.B005.0	GAP sends a message with a UTILMD E38, 23, E84, with roll DDQ instead of DDM

19.6 Process Test Transactions for the Meter Administrator

Test transaction	Purpose
T05.05.P001.0	GAP sends a message with a UTILMD E38, 23, E84

19.7 Process Test Transactions for the Meter Administrator (Gas)

Test transaction	Purpose
T05.55.P001.0	GAP sends a message with a UTILMD E38, 27, E84

19.8 Messages Test Transactions for the Meter Administrator (Gas)

Test transaction	Purpose
T05.55.B001.0	GAP sends a message with a UTILMD E38, 27, E84 without metering point (without SG4)
T05.55.B002.0	GAP sends a message with a UTILMD E38, 27, E84 with 2 different metering points

	(2x SG4)
T05.55.B003.0	GAP sends a message with a UTILMD E38, 27, with ReasonForTransaction_Code E83 instead of E84
T05.55.B004.0	GAP sends a message with a UTILMD E38, 27, E84, with metering point with unknown id
T05.55.B005.0	GAP sends a message with a UTILMD E38, 27, E84, with roll DDQ instead of DDM

20. Settlement

20.1 Process Test Transactions for the Metered Data Aggregator

Test transaction	Purpose
S21.09.P001.0	<p>MDA sends a E31, E44, 9 to the Settlement Responsible Party for:</p> <ul style="list-style-type: none"> • 2 Balance Responsible Party's (both 1 different Metering Grid Area) for both Balance Responsible Party's • 1 Production Metering point ≥ 10 MW • 1 Metering Point with Aggregated volumes for continuously read production < 10 MW. (Production MP < 10 MW) <p>And for both Metering Grid Areas:</p> <ul style="list-style-type: none"> • Netloss • MCF • "Aggregated Rest of Continuously Metered Metering Points" <p>(You will receive a Rejection on this file, but that's the purpose of the test)</p>
S21.09.P002.0	<p>MDA sends a E31, E44, 9 to the Settlement Responsible Party for:</p> <ul style="list-style-type: none"> • 2 Balance Responsible Party's (both 1 different Metering Grid Area) for both Balance Responsible Party's • 1 Production Metering point ≥ 10 MW • 1 Metering Point with Aggregated volumes for continuously read production < 10 MW. (Production MP < 10 MW) <p>And for both Metering Grid Areas:</p> <ul style="list-style-type: none"> • Netloss • MCF • "Aggregated Rest of Continuously Metered Metering Points" <p>(You will receive a different Rejection on this file, but that's the purpose of the test)</p>
S21.09.P003.0	<p>MDA sends a E31, E44, 9 to the Settlement Responsible Party for:</p> <ul style="list-style-type: none"> • 2 Balance Responsible Party's (both 1 different Metering Grid Area) for both Balance Responsible Party's • 1 Production Metering point ≥ 10 MW • 1 Metering Point with Aggregated volumes for continuously read production < 10 MW. (Production MP < 10 MW) <p>And for both Metering Grid Areas:</p> <ul style="list-style-type: none"> • Netloss • MCF • "Aggregated Rest of Continuously Metered Metering Points" <p>(You will receive a different Rejection on this file than the previous tests, but that's the purpose of the test)</p>

20.2 Message Test Transactions for the Metered Data Aggregator

Test transaction	Purpose
S21.09.B001.0	MDA Sends a E31, E44, 9 to the Settlement Responsible Party for:

	<ul style="list-style-type: none"> • 2 Balance Responsible Party's (both 1 different Metering Grid Area) for both Balance Responsible Party's • 1 Production Metering point \geq 10 MW • 1 Metering Point with Aggregated volumes for continuously read production $<$ 10MW. (Production MP $<$ 10MW) <p>For both Metering Grid Areas:</p> <ul style="list-style-type: none"> • Netloss • MCF • "Aggregated Rest of Continuously Metered Metering Points"
S21.09.B002.0	<p>MDA sends a E31, E44, 9 to the Settlement Responsible Party for:</p> <ul style="list-style-type: none"> • 2 Balance Responsible Party's (both 1 different Metering Grid Area) for both Balance Responsible Party's • 1 Production Metering point \geq 10 MW <p>for 1 Balance Responsible Party:</p> <ul style="list-style-type: none"> • 1 Metering Point with Aggregated volumes for continuously read production $<$ 10MW. (Production MP $<$ 10MW) <p>For both Metering Grid Areas:</p> <ul style="list-style-type: none"> • Netloss • MCF • "Aggregated Rest of Continuously Metered Metering Points"
S21.09.B003.0	<p>MDA sends a E31, E44, 9 to the Settlement Responsible Party for:</p> <ul style="list-style-type: none"> • 2 Balance Responsible Party's (both 1 different Metering Grid Area) for both Balance Responsible Party's • 1 Production Metering point \geq 10 MW <p>for 1 Balance Responsible Party:</p> <ul style="list-style-type: none"> • 1 Metering Point with Aggregated volumes for continuously read production $<$ 10MW. (Production MP $<$ 10MW) <p>For both Metering Grid Areas:</p> <ul style="list-style-type: none"> • Netloss • MCF
S21.09.B004.0	<p>MDA sends a E31, E44, 9 to the Settlement Responsible Party for</p> <ul style="list-style-type: none"> • 1 Balance Responsible Party <p>1 Metering Grid Area with:</p> <ul style="list-style-type: none"> • 1 Production Metering point \geq 10 MW • 1 Metering Point with Aggregated volumes for continuously read production $<$ 10MW. (Production MP $<$ 10MW) • calculated volume for profile category 1a, 1b and 3a • Netloss • Telemetry • Dimensions • MCF
S21.09.B005.0	<p>MDA sends a E31, E44, 9 to the Settlement Responsible Party for</p> <ul style="list-style-type: none"> • 1 Balance Responsible Party <p>1 Metering Grid Area with:</p> <ul style="list-style-type: none"> • 1 Production Metering point \geq 10 MW • 1 Metering Point with Aggregated volumes for continuously read production $<$ 10MW. (Production MP $<$ 10MW)

	<ul style="list-style-type: none"> • calculated volume for all profile categories • Netloss • Telemetry • Dimensions • MCF
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20.3 Process Test Transactions for the Settlement Responsible Party

Test transaction	Purpose
T21.14.P001.0	<p>MDA sends a E31, E44, 9 to the Settlement Responsible Party for:</p> <ul style="list-style-type: none"> • 2 Balance Responsible Party's (both 1 different Metering Grid Area) <p>for both Balance Responsible Party's</p> <ul style="list-style-type: none"> • 1 Production Metering point \geq 10 MW • 1 Metering Point with Aggregated volumes for continuously read production $<$ 10MW. (Production MP $<$ 10MW) <p>for both Metering Grid Areas:</p> <ul style="list-style-type: none"> • Netloss • MCF • "Aggregated Rest of Continuously Metered Metering Points". <p>1 Balance Responsible party is unknown.</p>
T21.14.P002.0	<p>MDA sends a E31, E44, 9 to the Settlement Responsible Party for:</p> <ul style="list-style-type: none"> • 2 Balance Responsible Party's (both 1 different Metering Grid Area) <p>for both Balance Responsible Party's</p> <ul style="list-style-type: none"> • 1 Production Metering point \geq 10 MW • 1 Metering Point with Aggregated volumes for continuously read production $<$ 10MW. (Production MP $<$ 10MW) <p>for both Metering Grid Areas:</p> <ul style="list-style-type: none"> • Netloss • MCF • "Aggregated Rest of Continuously Metered Metering Points". <p>1 Metering Grid Area is unknown.</p>
T21.14.P003.0	<p>MDA sends a E31, E44, 9 to the Settlement Responsible Party for:</p> <ul style="list-style-type: none"> • 2 Balance Responsible Party's (both 1 different Metering Grid Area) <p>for both Balance Responsible Party's</p> <ul style="list-style-type: none"> • 1 Production Metering point \geq 10 MW • 1 Metering Point with Aggregated volumes for continuously read production $<$ 10MW. (Production MP $<$ 10MW) <p>for both Metering Grid Areas:</p> <ul style="list-style-type: none"> • Netloss • MCF • "Aggregated Rest of Continuously Metered Metering Points".

20.4 Message Test Transactions for the Settlement Responsible Party

Test transaction	Purpose
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T21.14.B001.0	<p>MDA sends a E31, E44, 9 to the Settlement Responsible Party for:</p> <ul style="list-style-type: none"> • 2 Balance Responsible Party's (both 1 different Metering Grid Area) for both Balance Responsible Party's • 1 Production Metering point ≥ 10 MW • 1 Metering Point with Aggregated volumes for continuously read production < 10 MW. (Production MP < 10 MW) <p>for both Metering Grid Areas:</p> <ul style="list-style-type: none"> • Netloss • MCF • "Aggregated Rest of Continuously Metered Metering Points"
T21.14.B002.0	<p>MDA sends a E31, E44, 9 to the Settlement Responsible Party for:</p> <ul style="list-style-type: none"> • 1 Balance Responsible Party <p>1 Metering Grid Area with:</p> <ul style="list-style-type: none"> • 1 Production Metering point ≥ 10 MW • 1 Metering Point with Aggregated volumes for continuously read production < 10 MW. (Production MP < 10 MW) • calculated volume for profile category 1a, 1b and 3a • Netloss • Telemetry • Dimensions • MCF
T21.14.B003.0	<p>MDA sends a E31, E44, 9 to the Settlement Responsible Party for:</p> <ul style="list-style-type: none"> • 1 Balance Responsible Party <p>1 Metering Grid Area with:</p> <ul style="list-style-type: none"> • 1 Production Metering point ≥ 10 MW • 1 Metering Point with Aggregated volumes for continuously read production < 10 MW. (Production MP < 10 MW) • calculated volume for all profile categories • Netloss • Telemetry • Dimensions • MCF
T21.14.B004.0	<p>MDA sends a E31, E44, 9 to the Settlement Responsible Party for:</p> <ul style="list-style-type: none"> • 1 Balance Responsible Party <p>1 Metering Grid Area with:</p> <ul style="list-style-type: none"> • 1 Production Metering point ≥ 10 MW • 1 Metering Point with Aggregated volumes for continuously read production < 10 MW. (Production MP < 10 MW)

T21.14.B005.0	<p>MDA sends a E31, E44, 9 to the Settlement Responsible Party for:</p> <ul style="list-style-type: none"> • 1 Balance Responsible Party <p>1 Metering Grid Area with:</p> <ul style="list-style-type: none"> • 1 Production Metering point \geq 10 MW • 1 Metering Point with Aggregated volumes for continuously read production $<$ 10MW. (Production MP $<$ 10MW) • MCF
T21.14.B006.0	<p>MDA sends a E31, E44, 9 to the Settlement Responsible Party for:</p> <ul style="list-style-type: none"> • 1 Balance Responsible Party <p>1 Metering Grid Area with:</p> <ul style="list-style-type: none"> • 1 Production Metering point \geq 10 MW • 1 Metering Point with Aggregated volumes for continuously read production $<$ 10MW. (Production MP $<$ 10MW) • MCF
T21.14.B007.0	<p>MDA sends a E31, E44, 9 to the Settlement Responsible Party for:</p> <ul style="list-style-type: none"> • 1 Balance Responsible Party <p>1 Metering Grid Area with:</p> <ul style="list-style-type: none"> • 1 Production Metering point \geq 10 MW • 1 Metering Point with Aggregated volumes for continuously read production $<$ 10MW. (Production MP $<$ 10MW) • MCF
T21.14.B008.0	<p>MDA sends a E31, E44, 9 to the Settlement Responsible Party for:</p> <ul style="list-style-type: none"> • 1 Balance Responsible Party <p>1 Metering Grid Area with:</p> <ul style="list-style-type: none"> • 1 Production Metering point \geq 10 MW • 1 Metering Point with Aggregated volumes for continuously read production $<$ 10MW. (Production MP $<$ 10MW) • MCF.

21. Settle: Reconciliation

21.1 Process Tests for the Balance Responsible Party

Test transaction	Purpose
S22.07.P001.0 (optional)	<p>BRP sends a E29 message</p> <ul style="list-style-type: none"> • For the last 15 months • 3 Metering Grid Areas <p>Every Metering Grid Area contains:</p> <ul style="list-style-type: none"> • Energy High and Low • Netloss <p>One Metering Grid Area will be seen as unknown.</p>
T22.07.P001.0	<p>MDA sends a E24 message</p> <ul style="list-style-type: none"> • For the last 15 months • 2 Metering Grid Areas <p>Every Metering Grid Area contains:</p> <ul style="list-style-type: none"> • Energy High and Low • Different Balance Suppliers • 1 Balance Supplier per MGA. • Netloss
T22.07.P002.0	<p>MDA sends a E24 message</p> <ul style="list-style-type: none"> • For the last 15 months • 2 Metering Grid Areas <p>Every Metering Grid Area contains:</p> <ul style="list-style-type: none"> • Energy High and Low • Different Balance Suppliers • 1 Balance Supplier per MGA. • Netloss
T22.07.P003.0	<p>MDA sends a E24 message</p> <ul style="list-style-type: none"> • For the last 15 months • 2 Metering Grid Areas <p>Every Metering Grid Area contains:</p> <ul style="list-style-type: none"> • Normal Tariff • Different Balance Suppliers • 1 Balance Supplier per MGA. • Netloss

T22.07.P004.0	<p>MDA sends a E24 message</p> <ul style="list-style-type: none"> • For the last 15 months • 2 Metering Grid Areas <p>Every Metering Grid Area contains:</p> <ul style="list-style-type: none"> • Energy High and Low • Different Balance Suppliers • 1 Balance Supplier per MGA. • Netloss
T22.07.P005.0	<p>MDA sends a E24 message</p> <ul style="list-style-type: none"> • For the last 18 months • 2 Metering Grid Areas <p>Every Metering Grid Area contains:</p> <ul style="list-style-type: none"> • Energy High and Low • Different Balance Suppliers • 1 Balance Supplier per MGA. • Netloss
T22.07.P006.0	<p>RRP sends a E26 message containing:</p> <ul style="list-style-type: none"> • The last 15 months • 3 Metering Grid Areas <p>Per Metering Grid Area:</p> <ul style="list-style-type: none"> • Energy High and low
T22.07.P007.0	<p>RRP sends a E26 message containing:</p> <ul style="list-style-type: none"> • The last 15 months • 3 Metering Grid Areas <p>Per Metering Grid Area:</p> <ul style="list-style-type: none"> • Energy High and low
T22.07.P008.0	<p>RRP sends a E26 message containing:</p> <ul style="list-style-type: none"> • The last 15 months • 3 Metering Grid Areas <p>Per Metering Grid Area:</p> <ul style="list-style-type: none"> • Normal Tariff
T22.07.P009.0	<p>RRP sends a E26 message containing:</p> <ul style="list-style-type: none"> • The last 14 months • 3 Metering Grid Areas <p>Per Metering Grid Area:</p> <ul style="list-style-type: none"> • Energy High and low
T22.07.P010.0	<p>RRP sends a E26 message containing:</p> <ul style="list-style-type: none"> • The last 18 months • 3 Metering Grid Areas <p>Per Metering Grid Area:</p> <p>Energy High and low</p>

21.2 Message Tests for the Balance Responsible Party

Test transaction	Purpose
T22.07.B001.0	<p>MDA sends a E24 message</p> <ul style="list-style-type: none"> • For the last 15 months • 2 Metering Grid Areas <p>Per Metering Grid Area:</p> <ul style="list-style-type: none"> • Energy High and Low • Different Balance Suppliers • 1 Balance Supplier per MGA. • Netloss
T22.07.B002.0	<p>MDA sends a E24 message</p> <ul style="list-style-type: none"> • For the last 15 months • 2 Metering Grid Areas <p>Per Metering Grid Area:</p> <ul style="list-style-type: none"> • Normal Tariff • Different Balance Suppliers • 1 Balance Supplier per MGA. • Netloss
T22.07.B003.0	<p>MDA sends a E24 message</p> <ul style="list-style-type: none"> • For the last 15 months • 2 Metering Grid Areas <p>Per Metering Grid Area:</p> <ul style="list-style-type: none"> • Energy High and Low • Different Balance Suppliers • 1 Balance Supplier per MGA. • Netloss
T22.07.B004.0	<p>MDA sends a E24 message</p> <ul style="list-style-type: none"> • For the last 15 months • 2 Metering Grid Areas <p>Per Metering Grid Area:</p> <ul style="list-style-type: none"> • Energy High and Low • Different Balance Suppliers • 1 Balance Supplier per MGA. • Netloss

T22.07.B005.0	<p>MDA sends a E24 message</p> <ul style="list-style-type: none"> • For the last 15 months • 2 Metering Grid Areas <p>Per Metering Grid Area:</p> <ul style="list-style-type: none"> • Energy High and Low • Different Balance Suppliers • 1 Balance Supplier per MGA. • Netloss
T22.07.B006.0	<p>RRP sends a E26 message :</p> <ul style="list-style-type: none"> • For the last 15 months • 6 Metering Grid Areas <p>Each Metering Grid Area:</p> <ul style="list-style-type: none"> • Energy High and Low
T22.07.B007.0	<p>RRP sends a E26 message :</p> <ul style="list-style-type: none"> • For the last 15 months • 3 Metering Grid Areas <p>Each Metering Grid Area:</p> <ul style="list-style-type: none"> • Normal Tariff
T22.07.B008.0	<p>RRP sends a E26 message:</p> <ul style="list-style-type: none"> • For the last 15 months • 3 Metering Grid Areas <p>Each Metering Grid Area:</p> <ul style="list-style-type: none"> • Energy High and Low
T22.07.B009.0	<p>RRP sends a E26 message :</p> <ul style="list-style-type: none"> • For the last 15 months • 3 Metering Grid Areas <p>Each Metering Grid Area:</p> <ul style="list-style-type: none"> • Energy High and Low
T22.07.B010.0	<p>RRP sends a E26 message :</p> <ul style="list-style-type: none"> • For the last 15 months • 3 Metering Grid Areas <p>Each Metering Grid Area:</p> <ul style="list-style-type: none"> • Energy High and Low

21.3 Process Tests for the Metered Data Aggregator

Test transaction	Purpose
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S22.09.P001.0	<p>MDA sends a E24 message</p> <ul style="list-style-type: none"> • For the last 15 months • 2 Metering Grid Areas <p>Per Metering Grid Area:</p> <ul style="list-style-type: none"> • Energy High and Low • Different Balance Suppliers • 1 Balance Supplier per MGA. • Netloss
Step 3:	<p>MDA sends a E24 update message</p> <ul style="list-style-type: none"> • For the last 15 months • 2 Metering Grid Areas <p>Per Metering Grid Area:</p> <ul style="list-style-type: none"> • Energy High and Low • Different Balance Suppliers • 1 Balance Supplier per MGA. • Netloss
S22.09.P002.0	<p>MDA send a E25 message with:</p> <ul style="list-style-type: none"> • For the last 15 months • 2 Metering Grid Areas <p>Per Metering Grid Area:</p> <ul style="list-style-type: none"> • Normal Tariff • Netloss • 1 Balance Responsible Party • Different Balance Responsible Party's for each MGA
Step 3:	<p>MDA send a E25 Update message with:</p> <ul style="list-style-type: none"> • For the last 15 months • 2 Metering Grid Areas <p>Per Metering Grid Area:</p> <ul style="list-style-type: none"> • Normal Tariff • Netloss • 1 Balance Responsible Party • Different Balance Responsible Party's for each MGA

21.4 Message Tests for the Metered Data Aggregator

Test transaction	Purpose
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S22.09.B001.0	<p>MDA sends a E24 message:</p> <ul style="list-style-type: none"> • For the last 15 months • 2 Metering Grid Areas <p>for each Metering Grid Area:</p> <ul style="list-style-type: none"> • Energy High and Low • Different Balance Suppliers • 1 Balance Supplier per MGA • Netloss
S22.09.B002.0	<p>MDA sends a E24 message:</p> <ul style="list-style-type: none"> • For the last 15 months • 2 Metering Grid Areas <p>for each Metering Grid Area:</p> <ul style="list-style-type: none"> • Normal Tariff • Different Balance Suppliers • 1 Balance Supplier per MGA. • Netloss
S22.09.B003.0	<p>MDA sends a E24 message:</p> <ul style="list-style-type: none"> • For the last 15 months • 2 Metering Grid Areas <p>for each Metering Grid Area:</p> <ul style="list-style-type: none"> • Normal Tariff • The same Balance Suppliers in the message for all Metering Grid Areas. • 1 Balance Supplier per MGA. • Netloss
S22.09.B004.0	<p>MDA sends a E24 message:</p> <ul style="list-style-type: none"> • For the last 15 months • 2 Metering Grid Areas <p>for each Metering Grid Area:</p> <ul style="list-style-type: none"> • Normal Tariff • Different Balance Suppliers • 1 Balance Supplier per MGA. • No Netloss
S22.09.B005.0	<p>MDA sends a E24 message:</p> <ul style="list-style-type: none"> • For the last 15 months • 2 Metering Grid Areas <p>for each Metering Grid Area:</p> <ul style="list-style-type: none"> • Normal Tariff • Different Balance Suppliers • 1 Balance Supplier per MGA. • Netloss for 1 Metering Grid Area

S22.09.B006.0	<p>MDA sends a E25 message containing:</p> <ul style="list-style-type: none"> • The last 15 months • 4 Metering Grid Areas <p>Per Metering Grid Area:</p> <ul style="list-style-type: none"> • Normal Tariff • Netloss • 2 Balance Responsible Party's • Different Balance Responsible Party's per MGA
S22.09.B007.0	<p>MDA sends a E25 message containing:</p> <ul style="list-style-type: none"> • The last 15 months • 4 Metering Grid Areas <p>Per Metering Grid Area:</p> <ul style="list-style-type: none"> • Energy High and Low • Netloss • 2 Balance Responsible Party's • Different Balance Responsible Party's per MGA
S22.09.B008.0	<p>MDA sends a E25 message containing:</p> <ul style="list-style-type: none"> • The last 15 months • 4 Metering Grid Areas <p>Per Metering Grid Area:</p> <ul style="list-style-type: none"> • Energy High and Low • Netloss • 2 Balance Responsible Party's • The Same Balance Responsible Party's per MGA

21.5 Process Tests For the Balance Supplier

Test transaction	Purpose
T22.06.P001.0	<p>BRP sends a E29 message</p> <ul style="list-style-type: none"> • For the last 15 months • 3 Metering Grid Areas <p>For all Metering Grid Areas</p> <ul style="list-style-type: none"> • Energy High and Low • Netloss
T22.06.P002.0	<p>BRP sends a E29 message</p> <ul style="list-style-type: none"> • For the last 15 months • 3 Metering Grid Areas <p>For all Metering Grid Areas</p> <ul style="list-style-type: none"> • Energy High and Low • Netloss

T22.06.P003.0	BRP sends a E29 message <ul style="list-style-type: none"> • For the last 14 months • 3 Metering Grid Areas For all Metering Grid Areas <ul style="list-style-type: none"> • Energy High and Low • Netloss
T22.06.P004.0	BRP sends a E29 message <ul style="list-style-type: none"> • For the last 15 months • 3 Metering Grid Areas For all Metering Grid Areas <ul style="list-style-type: none"> • Energy High and Low • Netloss
T22.06.P005.0	BRP sends a E29 message <ul style="list-style-type: none"> • For the last 15 months • 3 Metering Grid Areas For all Metering Grid Areas <ul style="list-style-type: none"> • Energy High and Low • Netloss One Metering Grid Area is unknown
T22.06.P006.0	BRP sends a E29 message <ul style="list-style-type: none"> • For the last 18 months • 3 Metering Grid Areas For all Metering Grid Areas <ul style="list-style-type: none"> • Energy High and Low • Netloss

21.6 Message Tests For the Balance Supplier

Test transaction	Purpose
T22.06.B001.0	BRP sends a E29 message <ul style="list-style-type: none"> • For the last 15 months • 6 Metering Grid Areas For all Metering Grid Areas <ul style="list-style-type: none"> • Energy High and Low • Netloss

T22.06.B002.0	BRP sends a E29 message <ul style="list-style-type: none"> • For the last 15 months • 3 Metering Grid Areas For all Metering Grid Areas <ul style="list-style-type: none"> • Energy High and Low • Netloss
T22.06.B003.0	BRP sends a E29 message <ul style="list-style-type: none"> • For the last 15 months • 3 Metering Grid Areas For all Metering Grid Areas <ul style="list-style-type: none"> • Normal Tariff • Netloss
T22.06.B004.0	BRP sends a E29 message <ul style="list-style-type: none"> • For the last 15 months • 3 Metering Grid Areas For all Metering Grid Areas <ul style="list-style-type: none"> • Energy High and Low • Netloss
T22.06.B005.0	BRP sends a E29 message <ul style="list-style-type: none"> • For the last 15 months • 3 Metering Grid Areas For all Metering Grid Areas <ul style="list-style-type: none"> • Energy High and Low • Netloss
T22.06.B006.0	BRP sends a E29 message <ul style="list-style-type: none"> • For the last 15 months • 3 Metering Grid Areas For all Metering Grid Areas <ul style="list-style-type: none"> • Energy High and Low • No Netloss

21.7 Process Test transactions for the Reconciliation Responsible Party

Test transaction	Purpose
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T22.13.P001.0	<p>MDA sends a E25 message:</p> <ul style="list-style-type: none"> • For the last 15 months • 2 Metering Grid Areas <p>For Each Metering Grid Area:</p> <ul style="list-style-type: none"> • Energy High and Low • Netloss • 1 Balance Responsible Party • Different Balance Responsible Party's for each MGA
T22.13.P002.0	<p>MDA sends a E25 message:</p> <ul style="list-style-type: none"> • For the last 15 months • 2 Metering Grid Areas <p>For Each Metering Grid Area:</p> <ul style="list-style-type: none"> • Energy High and Low • Netloss • 1 Balance Responsible Party • Different Balance Responsible Party's for each MGA
T22.13.P003.0	<p>MDA sends a E25 message:</p> <ul style="list-style-type: none"> • For the last 15 months • 2 Metering Grid Areas <p>For Each Metering Grid Area:</p> <ul style="list-style-type: none"> • Standard Tariff • Netloss • 1 Balance Responsible Party • Different Balance Responsible Party's for each MGA
T22.13.P004.0	<p>MDA sends a E25 message:</p> <ul style="list-style-type: none"> • For the last 15 months • 2 Metering Grid Areas <p>For Each Metering Grid Area:</p> <ul style="list-style-type: none"> • Energy High and Low • Netloss • 1 Balance Responsible Party • Different Balance Responsible Party's for each MGA
T22.13.P005.0	<p>MDA sends a E25 message:</p> <ul style="list-style-type: none"> • For the last 15 months • 2 Metering Grid Areas <p>For Each Metering Grid Area:</p> <ul style="list-style-type: none"> • Standard Tariff • Netloss • 1 Balance Responsible Party • Different Balance Responsible Party's for each MGA <p>One Metering Grid Area is unknown</p>

T22.13.P006.0	<p>MDA sends a E25 message:</p> <ul style="list-style-type: none"> • For the last 18 months • 2 Metering Grid Areas <p>For Each Metering Grid Area:</p> <ul style="list-style-type: none"> • Standard Tariff • Netloss • 1 Balance Responsible Party • Different Balance Responsible Party's for each MGA
S22.13.P007.0	<p>RRP sends a E26 message:</p> <ul style="list-style-type: none"> • For the last 15 months • 3 Metering Grid Areas <p>For Each Metering Grid Area:</p> <ul style="list-style-type: none"> • Energy High and Low <p>One Metering Grid Area is unknown.</p>

21.8 Message Test transactions for the Reconciliation Responsible Party

Test transaction	Purpose
T22.13.B001.0	<p>MDA sends a E25 message with:</p> <ul style="list-style-type: none"> • For the last 15 months • 4 Metering Grid Areas <p>For each Metering Grid Area:</p> <ul style="list-style-type: none"> • Normal Tariff • Netloss • 2 Balance Responsible Party's • Different Balance Responsible Party's for each MGA
T22.13.B002.0	<p>MDA sends a E25 message with:</p> <ul style="list-style-type: none"> • For the last 15 months • 4 Metering Grid Areas <p>For each Metering Grid Area:</p> <ul style="list-style-type: none"> • Energy High and Low • Netloss • 2 Balance Responsible Party's • Different Balance Responsible Party's for each MGA

T22.13.B003.0	<p>MDA sends a E25 message with:</p> <ul style="list-style-type: none"> • For the last 15 months • 3 Metering Grid Areas <p>For each Metering Grid Area:</p> <ul style="list-style-type: none"> • Normal Tariff • Netloss • 2 Balance Responsible Party's • Different Balance Responsible Party's for each MGA
T22.13.B004.0	<p>MDA sends a E25 message with:</p> <ul style="list-style-type: none"> • For the last 15 months • 3 Metering Grid Areas <p>For each Metering Grid Area:</p> <ul style="list-style-type: none"> • Normal Tariff • Netloss • 2 Balance Responsible Party's • Different Balance Responsible Party's for each MGA
T22.13.B005.0	<p>MDA sends a E25 message with:</p> <ul style="list-style-type: none"> • For the last 15 months • 3 Metering Grid Areas <p>For each Metering Grid Area:</p> <ul style="list-style-type: none"> • Energy High and Low • Netloss • 2 Balance Responsible Party's • Different Balance Responsible Party's for each MGA
T22.13.B006.0	<p>MDA sends a E25 message with:</p> <ul style="list-style-type: none"> • For the last 15 months • 3 Metering Grid Areas <p>For each Metering Grid Area:</p> <ul style="list-style-type: none"> • Energy High and Low • No Netloss • 2 Balance Responsible Party's • Different Balance Responsible Party's for each MGA
T22.13.B007.0	<p>MDA sends a E25 message with:</p> <ul style="list-style-type: none"> • For the last 15 months • 3 Metering Grid Areas <p>For each Metering Grid Area:</p> <ul style="list-style-type: none"> • Energy High and Low • Netloss for One Metering Grid Area • 2 Balance Responsible Party's • Different Balance Responsible Party's for each MGA

S22.12.B001.0	<p>RRP sends a E26 message :</p> <ul style="list-style-type: none"> • For the last 15 months • 3 Metering Grid Areas <p>for each Metering Grid Area:</p> <ul style="list-style-type: none"> • Energy High and Low
S22.12.B002.0	<p>RRP sends a E26 message :</p> <ul style="list-style-type: none"> • For the last 15 months • 6 Metering Grid Areas <p>for each Metering Grid Area:</p> <ul style="list-style-type: none"> • Energy High and Low
S22.12.B003.0	<p>RRP sends a E26 message:</p> <ul style="list-style-type: none"> • For the last 15 months • 3 Metering Grid Areas <p>for each Metering Grid Area:</p> <ul style="list-style-type: none"> • Normal Tariff
S22.12.B004.0	<p>RRP sends a E26 message:</p> <ul style="list-style-type: none"> • For the months January until April • 4 Metering Grid Areas <p>for each Metering Grid Area:</p> <ul style="list-style-type: none"> • Energy High and Low

22. Measure: Request for Meter Data

22.1 Process Test transactions for Metered Data Aggregator

Test transaction	Purpose
S23.09.P001.0	MDA sends a UTILTS E73, E87, 9 for 1 MP with 1 Day of Observation and where the Type Of Metering Point is consumption and where the Metering Point is unknown.

22.2 Message Test transactions for Metered Data Aggregator

Test transaction	Purpose
S23.09.B002.0	MDA sends a UTILTS E73, E87, 9 for 1 MP with 1 Day of Observation and where the Start Period of the Observation is in Summertime and the End Period in Wintertime.

22.3 Process Test transactions for Balance Responsible Party

Test transaction	Purpose
S23.07.P001.0	BRP sends a UTILTS E74, E87, 9 for 1 MP with 1 Day of Observation and where the Metering Point is unknown.

22.4 Message Test transactions for Balance Responsible Party

Test transaction	Purpose
S23.07.B002.0	BRP sends a UTILTS E74, E87, 9 for 1 MP with 1 Day of Observation and where the Start Period of the Observation is in Wintertime and the End Period in Summertime.

23. Measure: Determine switch stand

23.1 Process Test transactions for Grid Access Provider

Test transaction	Purpose
T04.04.P001.0	MA sends a UTILTS E65, 23, E60 for 1 MP with 1 Register Observation with unknown Metering Point ID.

23.2 Message Test transactions for Grid Access Provider

Test transaction	Purpose
T03.04.B001.0	MA sends a UTILTS E65, 23, E67 for 1 MP with Volume Observation without Unmeasured Energy and without Register Observation.
T03.04.B002.0	MA sends a UTILTS E65, 23, E67 with 1 Volume Observation, Unmeasured Energy and 1 Register Observation.
T03.04.B003.0	MA sends a UTILTS E65, 23, E67 with 2 Volume Observations, Unmeasured Energy and 2 Register Observations.
T03.04.B004.0	MA sends a UTILTS E65, 23, E67 with 2 MP with 1 Volume Observation, Unmeasured Energy and 1 Register Observation.
T03.04.B006.0	MA sends a UTILTS E65, 23, E67 for 1 MP, with One Register Observation, and without Volume Observation.
T04.04.B001.0	MA sends a UTILTS E65, 23, E60 for 1 MP with 1 Register Observation without a Register Stand.
T04.04.B002.0	MA sends a UTILTS E65, 23, E60 for 1 MP with 1 Register Observation with a Register Stand.
T04.04.B003.0	MA sends a UTILTS E65, 23, E60 for 1 MP with 2 Register Observations and 2 Register Stands.
T04.04.B005.0	MA sends a UTILTS E65, 23, E60 with 1 MP with Register Observation where Stand Of Origin Code is E29.

23.3 Process Test transactions for Grid Access Provider (Gas)

Test transaction	Purpose
T03.54.P001.0	MA sends a UTILTS E65, 27, E67 for 1 MP with 1 Register Observation with unknown Metering Point ID.
T04.54.P001.0	MA sends a UTILTS E65, 27, E60 for 1 MP with 1 Register Observation with unknown Metering Point ID

23.4 Message Test transactions for Grid Access Provider (Gas)

Test transaction	Purpose
T03.54.B002.0	MA sends a UTILTS E65, 27, E67 with 1 MP, with 1 Volume Observation and 1 Register Observation.
T03.54.B006.0	MA sends a UTILTS E65, 27, E67 with 1 MP with 1 Register Observation, and without Volume Observation.
T04.54.B001.0	MA sends a UTILTS E65, 27, E60 for 1 MP with 1 Register Observation without a Register Stand.
T04.54.B002.0	MA sends a UTILTS E65, 27, E60 for 1 MP with 1 Register Observation with a Register Stand
T04.54.B003.0	MA sends a UTILTS E65, 27, E60 for 2 MP with 2 Register Observations and 2 Register Stands
T04.54.B005.0	MA sends a UTILTS E65, 27, E60 with 1 MP with Register Observation where StandOfOriginCode is E29

23.5 Process Test transactions for Meter Administrator

Test transaction	Purpose
S04.05.B002.0	MA sends a UTILTS E65, 23, E60 for 1 MP with 1 Register Observation and 1 Register Stand.
S04.05.B003.0	MA sends a UTILTS E65, 23, E60 for 1 MP with 2 Register Observations and 2 Register Stands.

23.6 Message Test transactions for Meter Administrator

Test transaction	Purpose
S03.05.B002.0	MA sends a UTILTS E65, 23, E67 for 1 MP with 1 Volume Observation, Unmeasured Energy and 1 Register Observation.
S03.05.B003.0	MA sends a UTILTS E65, 23, E67 for 1 MP with 2 Volume Observations, Unmeasured Energy and 2 Register Observations.
S03.05.B004.0	MA sends a UTILTS E65, 23, E67 for 2 MP with 1 Volume Observation, Unmeasured Energy and 1 Register Observation.

23.7 Message Test transactions for Meter Administrator (Gas)

Test transaction	Purpose
S03.55.B001.0	MA sends a UTILTS E65, 27, E67 for 1 MP with 1 Volume Observation, Unmeasured Energy and 1 Register Observation
S03.55.B002.0	MA sends a UTILTS E65, 27, E67 for 1 MP without Volume Observation, and with 1 Register Observation

S04.55.B002.0	MA sends a UTILTS E65, 27, E60 for 1 MP with 1 Register Observation and 1 Register Stand
S04.55.B003.0	MA sends a UTILTS E65, 27, E60 for 1 MP with 2 Register Observations and 2 Register Stands