Testcase calculationstest

For system vendors in systest3 with role DDQ/DDK

Content

Move in back in time – BRS-NO-611/BRS-NO-103

Status:	New Test Condition
Project:	System Vendor Trial

Type:	Test	**Priority:**	Blocker
Reporter:	Alf Ulvan	**Assignee:**	Unassigned
Resolution:	Unresolved	**Votes:**	0

Labels:	Beregningstest, UtvidetMarkedstest, kraftleverandør
Enviroment:	Systest3
Preconditions:	1. Contact Elhub and get a profiled and/or a non-profiled MPID and corresponding StartOfOccurence dates for when to move in an enduser in the MPID.
Postcondition:	Balance supplier has successfully moved in an end user and takes over the power supply.

Description

Balance supplier runs a «move in, back in time» and takes over the power supply and will then start to receive meter values as well as imbalance settlement results.

Test details

	Test Step	Test Data	Expected Result
1	Run a verification of masterdata in the MPIDs distributed by Elhub, BRS-NO-611.		Masterdata is verified.
2	Run a «move in, back in time» with corresponding StartOfOccurence date (max 30 business days back in time), BRS-NO-103.		Receive a ConfirmStartOfSupply from the given StartOfOccurence date.

Receive hourly metervalues – BRS-NO-313

Status:	New Test Condition
Project:	System Vendor Trial
Type:	Test
Reporter:	Alf Ulvan
Resolution:	Unresolved
Labels:	Beregningstest, UtvidetMarkedstest, kraftleverandør
Enviroment:	Systest3

Type:	Test	**Priority:**	Critical
Reporter:	Alf Ulvan	**Assignee:**	Unassigned
Resolution:	Unresolved	**Votes:**	0

Preconditions:	1. Balance supplier has taken over the power supply in a non-profiled MPID. 2. Grid access provider (in this case Elhub) reports hourly meter values for the consumption point on a regular basis.
Postcondition:	Balance supplier receives a copy of the reported hourly meter values.

Description

Grid access provider reports hourly meter values on a regular basis, and the balance supplier receives a copy from Elhub.

Test details

	Test Step	Test Data	Expected Result
1	Poll for metering values.		Receive hourly meter values for the consumption point reported by the grid access provider.

Receive Imbalance Settlement results (DDQ/DDK) – BRS-NO-502

Status:	New Test Condition		
Project:	System Vendor Trial		
Type:	Test	**Priority:**	Critical
Reporter:	Alf Ulvan	**Assignee:**	Unassigned
Resolution:	Unresolved	**Votes:**	0
Labels:	Beregningstest, UtvidetMarkedstest, kraftleverandør		
Enviroment:	Systest3		
Preconditions:	1. Grid access provider (in this case Elhub) has reported hourly meter values, and Balance Supplier has received a copy of the meter values. 2. The MGA is in balance. 3. D+1, D+2 and D+5 calculations have been run ok in Elhub.		
Postcondition:	Balance Supplier and Balance Responsible have received results from Imbalance Settlement.		

Description

After all hourly meter values have been sent in from Grid access provider (in this case Elhub), Elhub will run D+1 calculation and later D+2 and D+5 calculations. Elhub calculates the Grid Losses and Adjusted Load Profile (JIP) for the MGA. Elhub calculates Preliminary Volumes per hour for all profiled metering points in the MGA, and aggregates these per Balance Supplier in each MGA. Elhub will send the following to the Balance Supplier and Balance Responsible (Business Type in brackets):

- Adjusted Load Profile per MGA (SE07)
- Sum consumption for Balance Responsible Party per MGA (Pumped consumption types excluded) (SE08)
- Sum production for Balance Responsible Party per MGA (SE09)
- Sum consumption for Balance Supplier per MGA (Pumped consumption types excluded) (SE10)
- Sum production for Balance Supplier per MGA (SE11)
- Sum consumption for Balance Supplier for profiled metering points per MGA (Pumped consumption types excluded) (SE12)
- Sum consumption for Balance Supplier for non-profiled metering points per MGA (Pumped consumption types excluded) (SE13)
- Sum pumped consumption per Balance Supplier per MGA (SE15)
- Sum pumped storage consumption per Balance Supplier per MGA (SE16)
- Sum pumped consumption per Balance Responsible Party per MGA (SE17)

- Sum pumped storage consumption per Balance Responsible Party per MGA (SE18)
- Sum consumption for Balance Responsible Party for profiled metering points per MGA (Pumped consumption types excluded) (SE21)
- Sum consumption for Balance Responsible Party for non-profiled metering points per MGA (Pumped consumption types excluded) (SE22)
- Grid loss (LS01)

You will also find the results in Elhub Web Portal.

Test details

	Test Step	Test Data	Expected Result
1	Poll for metering values after D+1 has been run.		Receive results for Imbalance Settlement calculations D+1.
2	Poll for metering values after D+2 has been run.		Receive results for Imbalance Settlement calculations D+2.
3	Poll for metering values after D+5 has been run.		Receive results for Imbalance Settlement calculations D+5.

Receive PPC/FPPC for Balance Supplier – BRS-NO-322

Status:	New Test Condition
Project:	System Vendor Trial
Type:	Test
Reporter:	Alf Ulvan
Resolution:	Unresolved
Labels:	Beregningstest, UtvidetMarkedstest, kraftleverandør
Enviroment:	Systest3
Preconditions:	1. Grid access provider (in this case Elhub) has reported hourly meter values, and Balance Supplier has received a copy of the meter values. 2. The MGA is in balance. 3. D+1, D+2 and D+5 calculations have been run ok in Elhub.
Postcondition:	Balance Supplier has received PPCs and FPPCs.

Priority:	Critical
Assignee:	Unassigned
Votes:	0

Description

After all hourly meter values have been sent in from Grid access provider, Elhub will run D+1 calculation and later D+2 and D+5 calculations. Elhub calculates the Grid Losses and Adjusted Load Profile (JIP) for the MGA and produces preliminary profiled consumption for the profiled MPID based on their estimated annual consumption.

Test details

	Test Step	Test Data	Expected Result
1	Poll for metering values after D+1 has been run.		Receive PPCer for the D+1 run (BusinessType=HP01).
2	Poll for metering values after D+2 has been run.		Receive PPCer for the D+2 run (BusinessType=HP01).
3	Poll for metering values after D+5 has been run.		Receive FPPCer for the D+5 run (BusinessType=HP02).

Receive meter reads and volumes – BRS-NO-312

Status:	New Test Condition
Project:	System Vendor Trial

Type:	Test	**Priority:**	Critical
Reporter:	Alf Ulvan	**Assignee:**	Unassigned
Resolution:	Unresolved	**Votes:**	0

Labels:	Beregningstest, UtvidetMarkedstest, kraftleverandør
Enviroment:	Systest3
Preconditions:	1. Balance supplier has taken over the power supply for a profiled MPID. 2. Grid access provider (in this case Elhub) reports meter reads and volume for the consumption point on a regular basis.
Postcondition:	Balance supplier receives a copy of the meter reads and volume.

Description

Grid access provider reports meter reads and volume on a regular basis and the balance supplier receives a copy from Elhub.

Test details

	Test Step	Test Data	Expected Result
1	Poll for metering values.		Receive meter reads and volume for the consumption point reported by the grid access provider.

Receive FPC for balance supplier – BRS-NO-312

Status:	New Test Condition
Project:	System Vendor Trial

Type:	Test	**Priority:**	Critical
Reporter:	Alf Ulvan	**Assignee:**	Unassigned
Resolution:	Unresolved	**Votes:**	0

Labels:	Beregningstest, UtvidetMarkedstest, kraftleverandør
Enviroment:	Systest3
Preconditions:	1. Grid access provider (in this case Elhub) has reported hourly meter values, and Balance Supplier has received a copy of the meter values. 2. The MGA is in balance. 3. D+1, D+2 and D+5 calculations have been run ok in Elhub. 4. Grid access provider has reported meter reads and volumes for the profiled MPIDs and Balance supplier has received a copy from Elhub.
Postcondition:	Balance supplier has received FPCs.

Description

When grid access provider has reported meter reads and volumes for the profiled MPID, Elhub runs the FPC-job. It will generate new hourly meter values based on the period volume.

Test details

	Test Step	Test Data	Expected Result
1	Poll for metering values after the FPC-job has been run.		Receive FPCs from the FPC-job (BusinessType=HP04).

Receive basis for reconciliation for balance supplier – BRS-NO-503

Status:	New Test Condition
Project:	System Vendor Trial

Type:	Test	**Priority:**	Critical
Reporter:	Alf Ulvan	**Assignee:**	Unassigned
Resolution:	Unresolved	**Votes:**	0

Labels:	Beregningstest, UtvidetMarkedstest, kraftleverandør
Enviroment:	Systest3
Preconditions:	1. Grid access provider (in this case Elhub) has reported hourly meter values, and Balance Supplier has received a copy of the meter values. 2. MGAet is in balance. 3. D+1, D+2 and D+5 calculations have been run ok in Elhub.
Postcondition:	Balance supplier has received basis for reconciliation.

Description

When all hourly meter values have been reported from Grid access provider (in this case Elhub), Elhub will run D+1 calculation and later D+2 and D+5 calculations. Elhub calculates the Grid Losses and Adjusted Load Profile (JIP) for the MGA.

When the grid access provider, after the imbalance settlement D+5, reports corrections for the hourly meter values or reports meter reads and volume for the profiled MPID, this will create basis for reconciliation.

Test details

	Test Step	Test Data	Expected Result
1	Receive meter reads and volumes reported by the grid access provider.		Receive FPC's and later on the reconciliation, which is the difference between FPPC and FPC.
2	After D+5, receive updated/corrected hourly meter values for non-profiled MPID.		Receive reconciliation on the change of first and second report of hourly meter values.
3	Receive a withdrawal, included replacements, for meter reads and volume for a profiled MPID.		Receive updated FPCs and later in the reconciliation, which is the difference between FPPC and FPC.

Request meter values for balance supplier – BRS-NO-315

Status:	New Test Condition
Project:	System Vendor Trial

Type:	Test	**Priority:**	Major
Reporter:	Alf Ulvan	**Assignee:**	Unassigned
Resolution:	Unresolved	**Votes:**	0

Labels:	Beregningstest, UtvidetMarkedstest, kraftleverandør
Enviroment:	Systest3
Preconditions:	1. It exists meter values on the MPID in Elhub 2. Balance supplier must have access to the data for minimum one timeslot within the requested period.
Postcondition:	The balance supplier receives requested meter values.

Description

Balance supplier sends a meter values request and gets response from Elhub.

Possible requests are:
- MVRV: Metering values, meter read and volume
- MVTS: Metering values, time series
- MVVT: Metering values, both meter read and volume and time series

Test details

	Test Step	Test Data	Expected Result
1	Send a meter values request.		Receive the requested meter values from Elhub.

Request settlement basis (DDQ/DDK) – BRS-NO-324

Status:	New Test Condition		
Project:	System Vendor Trial		
Type:	Test	**Priority:**	Major
Reporter:	Alf Ulvan	**Assignee:**	Unassigned
Resolution:	Unresolved	**Votes:**	0
Labels:	Beregningstest, UtvidetMarkedstest, kraftleverandør		
Enviroment:	Systest3		
Preconditions:	1. It exists relevant settlement basis in Elhub. 2. The market party must have access to the data for minimum one timeslot within the requested period.		
Postcondition:	The market party receives requested settlement basis.		

Description

The market party sends a request for historical settlement basis, that is:

- Basis for imbalance settlement.
- Basis for reconciliation.

QueryType must be:

- STLM: Settlement.

In the request you must define what type of settlement basis you want (BusinessType).
The request is done on a MGA level, not a MPID level.

Test details

	Test Step	Test Data	Expected Result
1	Send a settlement basis request.		Receive settlement basis from Elhub.