

Data packages

Basic information in addition to full list

Basic information

- Data package is a set of outgoing data from eSett's point of view towards the Market Participants, which the Market Participants has subscribed to receive.
- Data packages contain imbalance settlement data for Market Participants that are entitled to see them (DSOs and BRPs).
- eSett defines the data content of the data packages in addition to from which time period and when information is sent to Market Participants.
- List of available data packages is published in Online Service, from this list Market Participants are able to subscribe to those which they prefer.
- The data packages are sent to Market Participants automatically either based on certain timing or process being finalized. E.g. once a day at certain time after the data regarding the open and final imbalance settlement period has been processed.
- Note that there might be same data packages but in different resolution i.e., 15 min or 1 hour
- Some data packages do not have broader description but the name should be fairly descriptive of the contents
- Data packages will be divided to specific and generic ones
 - Specific data packages will utilize the same data flow formats as Information Service.
 - Generic data packages will utilize generic format.

Specific data packages; hourly values on a daily basis 1/8

Data Package	Description	MP Role
Tertiary Replacement Reserves (RR)	All BRP's activated reserves of type RR (Tertiary Control)	BRP
Secondary Frequency Restoration Reserves (FRR)	All BRP's activated reserves of type FRR-A (Frequency Restoration Reserve - Automatic)	BRP
Primary Frequency Containment Reserves (FCR)	All BRP's activated reserves of type FCR (Frequency Containment Reserve)	BRP
Bilateral Trade Final Confirmation Report	Bilateral trades under BRP's balance responsibility	BRP
Bilateral trades	Bilateral trades under BRP's balance responsibility	BRP
Primary Frequency Containment Reserves (FCR) – contracted reserves	All BRP's contracted reserves of type FCR (Frequency Containment Reserve).	BRP
Tertiary Replacement Reserves (RR) – contracted reserves	All BRP's activated reserves of type RR (Tertiary Control)	BRP
Secondary Frequency Restoration Reserves (FRR) – contracted reserves	All BRP's activated reserves of type FRR-A (Frequency Restoration Reserve - Automatic)	BRP

Specific data packages; hourly values on a daily basis 2/8

Data Package	Description	MP Role
Metering Grid Area (MGA) losses per MGA	All DSO's metering grid areas' (MGA) losses per MGA	DSO
REs' consumption data per type and MGA (evening)	All BRP's responsibility MGAs' REs' consumption data per type and MGA	BRP
REs' consumption data per type and MGA	All DSO's MGAs' REs' consumption data per type and MGA	DSO
REs' consumption data per type and MGA	All BRP's responsibility MGAs' REs' consumption data per type and MGA	BRP
Consumption imbalance per BRP per MBA (volume and amount)	BRP's consumption imbalance volumes (MWh) and amounts (EUR) per MBA	BRP
Imbalance – Invoiced Results	DP contains BRP production imbalance results for all respective MBAs and period in CET.	BRP
Imbalance – Final Results	DP contains BRP production imbalance results for all respective MBAs and period in CET. Calculations are per couple BRP and MBA.	BRP

Specific data packages; hourly values on a daily basis 3/8

Data Package	Description	MP Role
Imbalance per BRP per MBA (Volume and Amount)	BRP's imbalance volumes (MWh) and amounts (EUR) per MBA	BRP
Imbalance – Preliminary Results	DP contains BRP production imbalance results for all respective MBAs and period in CET. Calculations are per couple BRP and MBA.	BRP
REs' Merged Production Data per Type and MGA (evening)	All BRP's responsibility REs' merged production data per type and MGA	BRP
REs' Merged Production Data per Type and MGA	All BRP's responsibility REs' merged production data per type and MGA	BRP
REs' Merged Production Data per Type and MGA	All DSO's metering grid areas' (MGA) per MGA, Production Type and Production Unit Type	DSO
MGA Exchanges	All DSO's MGA Exchanges	DSO
MGA Imbalance – Final Results		BRP
MGA Imbalance – Preliminary Results		BRP
MGA Imbalances	All DSO's MGAs' imbalances per MGA	DSO

Specific data packages; hourly values on a daily basis 4/8

Data Package	Description	MP Role
MGA Imbalances (evening)	All MGAs' imbalances per MGA under BRP's balance responsibility	BRP
MGA Imbalances	All MGAs' imbalances per MGA under BRP's balance responsibility	BRP
MGA Imbalance – Invoiced Results		BRP
MGA Imbalance – Preliminary Results		DSO
MGA Imbalance – Final Results		DSO
MGA Exchange Final Confirmation Report		DSO
MGA Exchange Intermediate Confirmation Report		DSO

Specific data packages; hourly values on a daily basis 5/8

Data Package	Description	MP Role
Consumption MEC (Delta)	DSO's Consumption MECs starting or ending within the configured time period.	DSO
MGA Imbalance Retailer (Active)	All DSO's MGA Imbalance Retailers which are valid sometime within the configured Period.	DSO
MGA Imbalance Retailer (Delta)	All DSO's MGA Retailers starting or ending within the configured period.	DSO
BRP's Consumption MEC (Delta)	BRP's Consumption MECs starting or ending within the configured time period	BRP
Retailer Balance Responsibility - All	Retailer Balance Responsibilities valid sometime in upcoming 14 days (at least some period)	DSO
BRP's Consumption MEC (Active)	BRP's Consumption MECs which are valid sometime within the configured period.	BRP
Retailer Balance Responsibility - Delta	Retailer Balance Responsibilities starting or ending in upcoming 14 days	DSO

Specific data packages; hourly values on a daily basis 6/8

Data Package	Description	MP Role
Consumption MEC (Active)	DSO's Consumption MECs which are valid sometime within the configured period.	DSO
Imbalance prices per Market Balance Area (MBA)	BRP's production imbalance volumes (MWh) and amounts (EUR) per MBA	BRP
Production per production unit (PU)	All DSO's productions per production unit (PU)	BRP
Production per production unit (PU) (evening)	All productions per production unit under BRP's balance responsibility	BRP
Production per production unit (PU)	All productions per production unit under BRP's balance responsibility	DSO
Production imbalance per BRP per MBA (volume and amount)	BRP's production imbalance volumes (MWh) and amounts (EUR) per MBA	BRP
Production Imbalance - Preliminary Results		DSO
Bilateral Trade Intermediate Confirmation Report		BRP

Specific data packages; hourly values on a daily basis 7/8

Data Package	Description	MP Role
Production Imbalance – Invoiced Results		DSO
Production Imbalance – Final Results		BRP
Production plan per BRP and RO	All BRP's production plans per RO	BRP
PX Trades - Day-ahead (NSL)		BRP
PX Trades - Day-ahead		BRP
PX Trades - Intraday		BRP
Imbalance prices per Market Balance Area (MBA)	Production and Consumption imbalance prices per MBA	BSP

Specific data packages; hourly values on a daily basis 8/8

Data Package	Description	MP Role
Production Units (Active)	DSO's Production Units which are valid sometime within the configured time period.	DSO
Production Units (Delta)	DSO's Production Units starting or ending within the configured time period	DSO
Secondary Frequency Restoration Reserves (FRR)	All BSP's activated reserves of type FRR-A (Frequency Restoration Reserve - Automatic)	BSP
Tertiary Replacement Reserves (RR)	All BSP's activated reserves of type RR (Tertiary Control)	BSP
Primary Frequency Containment Reserves (FCR)	All BSP's activated reserves of type FCR (Frequency Containment Reserve)	BSP
Primary Frequency Containment Reserves (FCR) – contracted reserves	All BSP's contracted reserves of type FCR (Frequency Containment Reserve)	BSP
Tertiary Replacement Reserves (RR) – contracted reserves	All BSP's activated reserves of type RR (Tertiary Control)	BSP
Secondary Frequency Restoration Reserves (FRR) – contracted reserves	All BSP's activated reserves of type FRR-A (Frequency Restoration Reserve - Automatic)	BSP

Specific data packages; 15 min values on a daily basis 1/4

Data Package	Description	MP Role
Bilateral Trade Intermediate Confirmation Report		BRP
Bilateral Trade Final Confirmation Report		BRP
Bilateral trades	Bilateral trades under BRP's balance responsibility	BRP
Metering Grid Area (MGA) losses per MGA	All DSO's metering grid areas' (MGA) losses per MGA	DSO
REs' consumption data per type and MGA (evening)	All BRP's responsibility MGAs' REs' consumption data per type and MGA	BRP
REs' consumption data per type and MGA	All DSO's MGAs' REs' consumption data per type and MGA	DSO
REs' consumption data per type and MGA	All BRP's responsibility MGAs' REs' consumption data per type and MGA	BRP
Imbalance – Preliminary Results	DP contains BRP production imbalance results for all respective MBAs and period in CET. Calculations are per couple BRP and MBA.	BRP
Imbalance – Invoiced Results	DP contains BRP production imbalance results for all respective MBAs and period in CET. Calculations are per couple BRP and MBA. If BRP Branch has different preferred currency from EUR, then the file contains results in local currency and also results in EUR currency.	BRP
Imbalance – Final Results	DP contains BRP production imbalance results for all respective MBAs and period in CET. Calculations are per couple BRP and MBA.	BRP
Imbalance per BRP per MBA (Volume and Amount)	BRP's imbalance volumes (MWh) and amounts (EUR) per MBA	BRP

Specific data packages; 15 min values on a daily basis 2/4

Data Package	Description	MP Role
REs' Merged Production Data per Type and MGA	All DSO's metering grid areas' (MGA) per MGA, Production Type and Production Unit Type	DSO
REs' Merged Production Data per Type and MGA	All BRP's responsibility REs' merged production data per type and MGA	BRP
REs' Merged Production Data per Type and MGA (evening)	All BRP's responsibility REs' merged production data per type and MGA	BRP
MGA Exchanges	All DSO's MGA Exchanges	DSO
MGA Imbalance – Final Results		BRP
MGA Imbalances	All DSO's MGAs' imbalances per MGA	DSO
MGA Imbalance – Invoiced Results		BRP
MGA Imbalances	All MGAs' imbalances per MGA under BRP's balance responsibility	BRP
MGA Imbalances (evening)	All MGAs' imbalances per MGA under BRP's balance responsibility	BRP
MGA Imbalance – Final Results		DSO
MGA Imbalance – Preliminary Results		DSO
MGA Imbalance – Preliminary Results		BRP

Specific data packages; 15 min values on a daily basis 3/4

Data Package	Description	MP Role
MGA Exchange Final Confirmation Report		DSO
MGA Exchange Intermediate Confirmation Report		DSO
Imbalance prices per Market Balance Area (MBA)	Production and consumption imbalance prices per MBA	BRP
Production per production unit (PU) (evening)	All productions per production unit under BRP's balance responsibility	BRP
Production per production unit (PU)	All productions per production unit under BRP's balance responsibility	BRP
Production per production unit (PU)	All DSO's productions per production unit (PU)	DSO
Production plan per BRP and RO	All BRP's production plans per RO	BRP
PX Market Flow TSO	PX Market Flows reported by NEMOs	TSO
PX Market Flow TSO 2	PX Market Flows reported by NEMOs	TSO
PX Trades - Day-ahead	PX Trades - Day-ahead	BRP
PX Trades - Day-ahead (NSL)	PX Trades - Day-ahead (NSL)	BRP
PX Trades - Intraday	PX Trades - Intraday	BRP
Secondary Frequency Restoration Reserves (FRR)	All BSP's activated reserves of type FRR-A (Frequency Restoration Reserve - Automatic). FRR-A is an automatic reserve, activated continuously by the frequency.	BSP
Tertiary Replacement Reserves (RR)	All BSP's activated reserves of type RR (Tertiary Control) e.g. FRR-M reserves	BSP
Primary Frequency Containment Reserves (FCR)	All BSP's activated reserves of type FCR (Frequency Containment Reserve). FCR is an automatic and momentarily regulation, to adjust the physical balance in the power system.	BSP
Imbalance prices per Market Balance Area (MBA)	Production and Consumption imbalance prices per MBA	BSP

Specific data packages; 15 min values on a daily basis 4/4

Data Package	Description	MP Role
Load Profile per MGA	System selects all MGAs in Sweden.	BRP
Load Profile per MGA	System selects all MGAs in Sweden.	DSO
Load Profile per own MGA	Load profiles for MGAs related to DSO. Defined by MGA-DSO relation.	DSO
Load Profile per own MGA	Load profiles for MGAs where BRP has existing Loadshare MEC. BRP is Loadshare MEC attribute.	BRP
Load Profile per MBA per BRP	Aggregated Load Profiles per MBA per BRP.	BRP
Profiled Consumption per MGA per BRP	Profiled Consumption per MGA per BRP. BRP is a Consumption MEC attribute. General and Losses (if there are any) Consumption are displayed as separate value. Month aggregation.	BRP
Preliminary Loadshare per MGA per BRP per Type	Loadshares reported for BRP. General and Losses (if there are any) Loadshares are displayed as separate value. Month aggregation	BRP
Final Loadshare per MGA per BRP per type	System selects Total Final Loadshares per MGA where BRP has a Loadshare MEC. BRP is Loadshare MEC attribute. Month aggregation.	BRP
Profiled Imbalance per MGA	System selects BRP with Profiled Imbalance per MGA. BRP with Loadshare MEC Cons Bus Type = Losses. Month aggregation.	BRP
Reconciliation Quantity and Amount per MGA per BRP	Reconciliation Quantity and Amount per MGA per BRP, Month aggregation.	BRP
Reconciliation Quantity and Amount per Country per BRP	DP contains BRP Reconciliation results for respective Country, calculations are per couple BRP and Country: Bought Reconciliation Quantity, Sold Reconciliation Quantity, Bought Reconciliation Amount, Sold Reconciliation Amount, Month aggregation.	BRP
Invoiced Reconciliation Quantity and Amount per MGA per BRP	Reconciliation Quantity and Amount per Country per BRP on reconciliation results for all respective MGAs. Triggered within Invoicing process. Month aggregation.	BRP
Reconciliation Price	Reconciliation Price per MBA.	BRP
Profiled Consumption per MGA per BRP	Aggregated monthly Profiled Consumption per MGA per BRP. BRP is a Consumption MEC attribute. General and Losses (if there are any) Consumption are displayed as separate value. Month aggregation.	BRP

Generic data packages for BRPs; hourly values on a daily basis 1/2

Data Package	Description
Consumption per BRP and MBA	Consumption per BRP and MBA
Consumption per type per BRP and MBA	Consumption per type per BRP and MBA
Consumption per RE and MGA	Consumption per RE and MGA
Production Minor per BRP and MBA	Production Minor per BRP and MBA
Production Plan per BRP and MBA	Production Plan per BRP and MBA
Bilateral Trade Purchase per BRP and MBA	Bilateral Trade Purchase per BRP and MBA
Bilateral Trade Sales per BRP and MBA	Bilateral Trade Sales per BRP and MBA
Day-ahead Purchase per BRP and MBA	Day-ahead Purchase per BRP and MBA
Day-ahead Sales per BRP and MBA	Day-ahead Sales per BRP and MBA
Intraday Purchase per BRP and MBA	Intraday Purchase per BRP and MBA
Intraday Sales per BRP and MBA	Intraday Sales per BRP and MBA
Day-ahead Flow Import per BRP and MBA	Day-ahead Flow Import per BRP and MBA

Generic data packages for BRPs; hourly values on a daily basis 2/2

Data Package	Description
Day-ahead Flow Export per BRP and MBA	Day-ahead Flow Export per BRP and MBA
Intraday Flow Import per BRP and MBA	Intraday Flow Import per BRP and MBA
Intraday Flow Export per BRP and MBA	Intraday Flow Export per BRP and MBA
MGA Imbalance Surplus per BRP and MBA	MGA Imbalance Surplus per BRP and MBA
MGA imbalance Deficit per BRP and MBA	MGA imbalance Deficit per BRP and MBA
Consumption Imbalance Adjustment Up per BRP and MBA	Consumption Imbalance Adjustment Up per BRP and MBA
Consumption Imbalance Adjustment Down per BRP and MBA	Consumption Imbalance Adjustment Down per BRP and MBA
MGA Trade Import per BRP and MBA	MGA Trade Import per BRP and MBA
MGA trade Export per BRP and MBA	MGA trade Export per BRP and MBA
Consumption Pump Storage per BRP and MBA	Consumption Pump Storage per BRP and MBA
Normal Production per BRP and MBA	Normal Production per BRP and MBA
Production Imbalance Adjustment Up per BRP and MBA	Production Imbalance Adjustment Up per BRP and MBA
Production imbalance Adjustment Down per BRP and MBA	Production imbalance Adjustment Down per BRP and MBA
Day-ahead (NSL) Purchase per BRP and MBA	Day-ahead (NSL) Purchase per BRP and MBA
Day-ahead (NSL) Sales per BRP and MBA	Day-ahead (NSL) Sales per BRP and MBA
Day-ahead (NSL) Flow Import per BRP and MBA	Day-ahead (NSL) Flow Import per BRP and MBA
Day-ahead (NSL) Flow Export per BRP and MBA	Day-ahead (NSL) Flow Export per BRP and MBA

Generic data packages for BRPs; 15 min values on a daily basis 1/3

Data Package	Description
Consumption per BRP and MBA 15-minute	<i>Consumption per BRP and MBA</i>
Consumption per type per BRP and MBA 15-minute	<i>Consumption per type per BRP and MBA</i>
Consumption per RE and MGA 15-minute	<i>Consumption per RE and MGA</i>
Production Minor per BRP and MBA 15-minute	<i>Production Minor per BRP and MBA</i>
Production Plan per BRP and MBA 15-minute	<i>Production Plan per BRP and MBA</i>
Bilateral Trade Purchase per BRP and MBA 15-minute	<i>Bilateral Trade Purchase per BRP and MBA</i>
Bilateral Trade Sales per BRP and MBA 15-minute	<i>Bilateral Trade Sales per BRP and MBA</i>
Day-ahead Purchase per BRP and MBA 15-minute	<i>Day-ahead Purchase per BRP and MBA</i>
Day-ahead Sales per BRP and MBA 15-minute	<i>Day-ahead Sales per BRP and MBA</i>
Intraday Purchase per BRP and MBA 15-minute	<i>Intraday Purchase per BRP and MBA</i>
Intraday Sales per BRP and MBA 15-minute	<i>Intraday Sales per BRP and MBA</i>
Day-ahead Flow Import per BRP and MBA 15-minute	<i>Day-ahead Flow Import per BRP and MBA</i>
Day-ahead Flow Export per BRP and MBA 15-minute	<i>Day-ahead Flow Export per BRP and MBA</i>

Generic data packages for BRPs; 15 min values on a daily basis 2/2

Data Package	Description
Intraday Flow Import per BRP and MBA 15-minute	<i>Intraday Flow Import per BRP and MBA</i>
Intraday Flow Export per BRP and MBA 15-minute	<i>Intraday Flow Export per BRP and MBA</i>
MGA Imbalance Surplus per BRP and MBA 15-minute	<i>MGA Imbalance Surplus per BRP and MBA</i>
MGA imbalance Deficit per BRP and MBA 15-minute	<i>MGA imbalance Deficit per BRP and MBA</i>
Consumption Imbalance Adjustment Up per BRP and MBA 15-minute	<i>Consumption Imbalance Adjustment Up per BRP and MBA</i>
Consumption Imbalance Adjustment Down per BRP and MBA 15-minute	<i>Consumption Imbalance Adjustment Down per BRP and MBA</i>
MGA Trade Import per BRP and MBA 15-minute	<i>MGA Trade Import per BRP and MBA</i>
MGA trade Export per BRP and MBA 15-minute	<i>MGA trade Export per BRP and MBA</i>
Consumption Pump Storage per BRP and MBA 15-minute	<i>Consumption Pump Storage per BRP and MBA</i>
Normal Production per BRP and MBA 15-minute	<i>Normal Production per BRP and MBA</i>
Production Imbalance Adjustment Up per BRP and MBA 15-minute	<i>Production Imbalance Adjustment Up per BRP and MBA</i>
Production imbalance Adjustment Down per BRP and MBA 15-minute	<i>Production imbalance Adjustment Down per BRP and MBA</i>
Day-ahead (NSL) Purchase per BRP and MBA 15-minute	<i>Day-ahead (NSL) Purchase per BRP and MBA</i>
Day-ahead (NSL) Sales per BRP and MBA 15-minute	<i>Day-ahead (NSL) Sales per BRP and MBA</i>
Day-ahead (NSL) Flow Import per BRP and MBA 15-minute	<i>Day-ahead (NSL) Flow Import per BRP and MBA</i>
Day-ahead (NSL) Flow Export per BRP and MBA 15-minute	<i>Day-ahead (NSL) Flow Export per BRP and MBA</i>

Generic data packages for BRPs; 15 min values on a daily basis 3/3

Data Package	Description
Day-ahead (NSL) Purchase per BRP and MBA 15-minute	<i>Day-ahead (NSL) Purchase per BRP and MBA</i>
Day-ahead (NSL) Sales per BRP and MBA 15-minute	<i>Day-ahead (NSL) Sales per BRP and MBA</i>
Day-ahead (NSL) Flow Import per BRP and MBA 15-minute	<i>Day-ahead (NSL) Flow Import per BRP and MBA</i>
Day-ahead (NSL) Flow Export per BRP and MBA 15-minute	<i>Day-ahead (NSL) Flow Export per BRP and MBA</i>
Day-ahead Flow Export per MBA and PX Market (NSL) 15-minute	<i>Day-ahead Flow Export per MBA and PX Market (NSL)</i>
Day-ahead Flow Import per MBA and PX Market (NSL) 15-minute	<i>Day-ahead Flow Import per MBA and PX Market (NSL)</i>



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