

First Amendment to the Single Day-Ahead Coupling Operations Agreement (DAOA) – Annex 5 : Adapted Annex 6 to the DAOA - Cost sharing, monitoring and settlement
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Annex 5 to the First Amendment to the Single Day-Ahead Coupling Operations Agreement:

Adapted Annex 6 to the DAOA – Cost sharing, monitoring and settlement

Annex 6 to the DAOA – Cost sharing, monitoring and settlement

This Annex 6 is divided into the following Sections which detail, pursuant to Article 15 of the Agreement:

- a) the process for sharing, monitoring and settling SDAC Common Costs and Regional Costs encountered as of the month following the month of entry into force, to be further distinguished into:
 - i) SDAC Joint NEMOs and TSOs Common Costs fully covered by this Annex 6;
 - ii) SDAC NEMOs-Only Common Costs governed by this Annex 6 only for the reporting and follow-up of the budget; and
 - iii) SDAC TSOs-Only Common Costs governed by this Annex 6 only for the reporting and follow-up of the budget;
- b) the specific process for re-settlement among all Parties of costs
 - i) incurred under the MRC DAOA that have been pre-financed by MRC DAOA Parties for the period from 14 February 2017 until the end of the month of the entry into force of this Agreement, but excluding Individual NEMO Costs (it being understood that for the month of February 2017, ██████████ ██████████ of the month is to be taken into consideration); and
 - ii) pre-financed by PCR NEMOs for the period from 14th February 2017 until the end of the month of the entry into force, but excluding Individual NEMO Costs (it being understood that for the month of February 2017, ██████████ of the month is to be taken into consideration);

For the purpose of this Annex 6, all capitalized terms not expressly defined herein shall have the meaning attributed to them in Annex 1.

References to provisions of this Annex 6 are made using the term "Section" (while references to provisions of the Agreement are made using the term "Article").

1. Process for SDAC Common Costs

1.1. SDAC Joint NEMOs and TSOs Common Costs

This Section 1.1 specifies the way in which SDAC Joint NEMOs and TSOs Common Costs set forth under this Annex 6 will be categorised, budgeted, handled, reported and calculated for the purpose of sharing between Member States and third countries, settled and invoiced. This will be done in accordance with the Agreement and Legal Provisions, such as the provisions in CACM, without prejudice to any subsequent processes to be organised as the case may be within each Member States and third country for the sake of costs recovery.

1.1.1. General principles

Costs resulting from activities made to the benefit of all NEMOs and all TSOs, as mentioned in Section 1.1.2 of this Annex 6, shall be considered as SDAC Joint NEMOs and TSOs Common Cost if approved as SDAC Joint NEMOs and TSOs Common Cost by the JSC.

The SDAC Joint NEMOs and TSOs Common Cost shall be recorded and shared as provided for by CACM and in particular articles 75, 76 and 80 CACM. The following principles shall apply:

- a) The Parties shall ensure that all costs shall be, insofar as such costs are time and material based, appropriately and fairly recorded in timesheets and, insofar as such costs are other expenses, sufficiently documented. More detail is given in Section 1.1.4 of this Annex 6.
- b) SDAC Joint NEMOs and TSOs Common Costs must be either: (i) within an approved yearly budget; (ii) the subject of an approved increase in the relevant yearly budget; or (iii) subject to a specific prior approval by the JSC, the expenditure of each of which must be specifically pre-approved by the JSC consistently with the terms of Article 12.
- c) All input data for the calculation of the sharing key between Member States and third countries will be updated, at least, on a yearly basis (in the first quarter of a given calendar year) by the JSC based on the all NRA(s) guidelines and shall be attached as Attachment 1 to this Annex 6 for reference purposes. Attachment 1 to this Annex 6 can be updated by a JSC decision.

- d) If a (the) respective NRA(s) require(s) changes based on an NRA decision with regard to the sharing related to a Member State or third country in the course of a given calendar year these changes will be implemented with regard to that Member State or third country in accordance with such NRA 's decision.
- e) The necessary input for the yearly report to the NRAs shall, in due time, be provided, with the level of detail required by article 80 CACM, by the JSC reporting designee to the person responsible for consolidating this information as indicated by the TSOs respectively the NEMOs.
- f) If requested by the NRAs, the relevant TSOs and NEMOs shall provide, within three months or according to the deadline specified by the NRAs, the information necessary to facilitate the assessment of the costs incurred.
- g) Costs shall be reported and settled excluding VAT unless not permitted under Legal Provisions.
- h) Each new contract or each amendment of any present contract with a third party service provider shall be concluded in compliance with the Directive 2014/25/EU if applicable and the respective national public procurement legislation if applicable and decided by the JSC, and shall be subsequently organised and approved by JSC.
- i) All Parties shall strive as much as possible to avoid "vendor lock-in", meaning that the contracting entity shall not discriminate the economic operators in subsequent public procurement procedures due to the fact that only the original provider owns Intellectual Property Rights and therefore only he can provide the services procured. The procurement documents shall assure, to the extent possible and to the extent the JSC considers this economic efficient, the co-ownership by all or a subset of Parties of the relevant Intellectual Property Rights.
- j) Costs for the carrying out of the public procurement procedure for services to the benefit of all Parties participating in the SDAC, as well as for the negotiation of the contracts and framework agreements for services to the benefit of all

Parties participating in the SDAC shall be considered as SDAC Joint NEMOs and TSOs Common Costs.

1.1.2. Cost categorisation

SDAC Joint NEMOs and TSOs Common Costs will be categorised as:

- a. SDAC Joint NEMOs and TSOs Common Costs of establishing or amending the SDAC,
- b. SDAC Joint NEMOs and TSOs Common Costs of operating the SDAC.

1.1.2.1. SDAC Joint NEMOs and TSOs Common Costs of establishing or amending the SDAC

The SDAC Joint NEMOs and TSOs Common Costs of establishing or amending the SDAC, to be shared among all Parties, consist of the following categories:

1. Costs related to adaptations or further developments of the DA MCO Function System that are approved as such by the JSC that comply with Annex 3 (Change Control Procedure) being currently the further design and development activities related to the MNA and SEC functionality and as of 1st January 2019 also costs related to;
 - i) General improvements of DA MCO Function Assets and related activities to the benefit of all Parties;
 - ii) Improvements of SDAC Algorithm for accommodating new requirements of DA MCO Function Assets to be defined by the Parties
 - iii) R&D efforts for DA MCO Function Assets to accommodate future requirements and improve performance, robustness, reliability and scalability of the DA MCO Function System.
2. Costs resulting from an amendment of the Agreement of which the modalities are specified in Article 25 and 27 of the Agreement;
3. Costs of joint governance activities related to SDAC to the benefit of all Parties or all NEMOs or all TSOs participating in the SDAC, and approved as such by the JSC such as but not limited to cost of algorithm task force, legal task force

or any other task force established for such purpose and costs of project place licenses for external providers;

4. Costs related to the selection, as described in Section 1.1.1., h)-j), of service providers providing services falling under the Agreement;
5. Costs related to further development and user training of the Simulation Facility; and
6. Any other costs element that is, by a decision of the JSC, classified as SDAC Joint NEMOs and TSOs Common Costs of establishing or amending the SDAC.

1.1.2.2. SDAC Joint NEMOs and TSOs Common Costs of operating the SDAC

The SDAC NEMOs and TSOs Common Costs of operating the SDAC under this Section, to be shared among only by the Operational Parties, consist of the following categories:

- i) The cost associated with the operation of OPSCOM and the Incident Committee
- ii) Costs of joint governance activities (such as activities within procedural task force and operational reporting) related to operation activities, to the benefit of all Operational Parties and approved as such by the JSC.
- iii) As of entry into force of this Agreement, the costs related to operation of Simulation Facility
- iv) Any other costs element that is, by a decision of the JSC, classified as an SDAC Joint NEMOs and TSOs Common Costs of operating the SDAC.

1.1.3. Budgeting

1. The yearly budget for the SDAC Joint NEMOs and TSOs Common Costs, shall be subject to the approval of the JSC.
2. The JSC shall approve, on a yearly basis and by no later than the 1 November of the year, the overall yearly budget (including the resources needed to comply with this budget) for the following calendar year as well as a high level

road map (expenditures and resources) for the coming 3 years taking into account the following principles, unless otherwise specified in the Agreement:

- a) Costs incurred by a Party related to internal resources, to the benefit of all Parties or to all Operational Parties, as the case may be, shall be charged at the standard daily rate of [REDACTED] EUR per day (based on 8 hours/day) unless stipulated otherwise by a decision of the JSC;

It is acknowledged by the Parties that any individual, company or other firm retained by any Party to provide professional services (each a "consultant") shall be regarded as that Party's own "internal" resources for the purposes of this Agreement; and

- b) Costs related to external contractors or advisors that provide services to the benefit of all Parties or to all Operational Parties, as the case may be, shall be taken into account at cost, provided these costs are in compliance with the requirements herein.
3. The standard daily rate may be updated on a yearly basis after approval by the JSC, prior to preparation of the budget by JSC decision.
 4. The number of chargeable hours worked by external resources is limited to 8 hours per person per day Monday to Friday with no chargeable hours at the weekend (to the exclusion, for the avoidance of doubt, of services which require a 24/7 support). The JSC can agree a variation to this in exceptional circumstances.

1.1.4. Handling of all SDAC Joint NEMOs and TSOs Common Costs

1. The Parties have decided to use a Central Settlement Entity to handle the SDAC Joint NEMOs and TSOs Common Costs.



3. The Central Settlement Entity will settle the following costs:

First Amendment to the Single Day-Ahead Coupling Operations Agreement (DAOA) – Annex 5 : Adapted Annex 6 to the DAOA - Cost sharing, monitoring and settlement
Confidential

- SDAC Joint NEMOs and TSOs Common Costs (described in Section 1.1.2.1 and 1.1.2.2 of this Annex)
- Joint NEMOs and TSOs Regional Costs of operating the MRC (described Section 1.1.2.3 of this Annex)
- SDAC Joint TSOs Common Costs if decided by all TSOs (described in the TCDA)

In the following sections the tasks of the Central Settlement Entity will be described.

4. Each Party shall complete and submit the timesheets and documentary evidence for costs classified as SDAC Joint NEMOs and TSOs Common Costs or as Joint NEMOs and TSOs Regional Costs of operating the MRC to the Central Settlement Entity no later than the 10th Working Day of the month following the month in which work has been performed. The Parties shall provide for the same requirements in contracts with service providers, except if otherwise agreed by the JSC.
5. In absence of delivery of the necessary timesheets and/or documentary evidence for costs classified as SDAC Joint NEMOs and TSOs Common Costs or as Joint NEMOs and TSOs Regional Costs of operating the MRC, these costs will not be considered as eligible for settlement between the Parties until delivery of the necessary timesheets and documentary evidence.
6. By exception, in the event that any one or more Party(ies) fail(s), for whatever reason, to submit any relevant timesheet(s) and/or documentary evidence for costs classified as SDAC Joint NEMOs and TSOs Common Costs or as Joint NEMOs and TSOs Regional Costs of operating the MRC by the 10th Working Day of the month following the month respectively quarter in which work has been performed, such Party may only submit such timesheet(s) and/or documentary evidence for costs classified as SDAC Joint NEMOs and TSOs Common Costs or as Joint NEMOs and TSOs Regional Costs of operating the MRC for inclusion in the next month's report, provided that such report shall clearly identify such late-reported items. In any event, all timesheet(s) and/or documentary

evidence for costs classified as SDAC Joint NEMOs and TSOs Common Costs or Joint NEMOs and TSOs Regional Costs of operating the MRC have to be reported within the same calendar year (until 20th Working Day in January of the following calendar year) in which the work has been performed and the later reporting of any relevant timesheet(s) will not be taken into account, except if otherwise agreed by the JSC.

- 7. The timesheets shall include:
 - a) The time spent (including description of the related activity or service) per third party provider, the agreed rate per third party provider and the costs per related activity or service during the previous month;
 - b) the time spent (including description of the related activity) per internal resources during the previous month; and
 - c) reasonable documentary evidence (including without limitation invoices) relating to the expenses incurred by external and internal resources during the previous month in performing their duties.

- 8. Travel and accommodation expenses by external and internal resources for activities and services classified as SDAC Joint NEMOs and TSOs Common Costs or as Joint NEMOs and TSOs Regional Costs of operating the MRC shall be invoiced at actual cost, and subject to compliance with the following guidelines:

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A deviation of these guidelines for travel and accommodation expenses by external and internal resources for activities and services classified as SDAC

Joint NEMOs and TSOs Common Costs or as Joint NEMOs and TSOs Regional Costs of operating the MRC is allowed if based on a JSC decision.

9. Monthly reporting for internal follow-up: save in respect of each month falling after the end of a calendar quarter, the Central Settlement Entity shall process the information received in connection with paragraphs 2 to 5 above and shall prepare and submit on 20th Working Day of each month following the month in which work has been performed an overview of the previous month's costs (Monthly Report) to the JSC for acknowledgement.
10. Each month falling after the end of a calendar quarter, the Central Settlement Entity shall process the information received in connection with paragraphs 2 to 5 above and shall prepare and submit on the 20th Working Day of such month as the relevant Quarterly Report ("**Quarterly Report**") an overview of the previous month's costs together with details of the already validated Monthly Reports in respect of such calendar quarter to the JSC for final approval.
11. The Central Settlement Entity shall ensure that all timesheets and documentary evidence for costs classified as SDAC Joint NEMOs and TSOs Common Costs or as Joint NEMOs and TSOs Regional Costs of operating the MRC provided to it and all documentary evidence with respect to expenses provided to it are made freely available to all the Parties prior to the approval of such costs.
12. The Central Settlement Entity shall ensure that all relevant documentation, including but not limited to calculations in the framework of the Monthly Report and Quarterly Report are stored in the common (online) storage place.

1.1.5. SDAC Joint NEMOs and TSOs Common Costs sharing key

1. SDAC Joint NEMOs and TSOs Common Costs shall be broken down into the categories described in the Section 1.1.2 and the sharing key shall be applied for each category separately.
2. For the calculation of the contribution share of Member States and third countries to SDAC Joint NEMOs and TSOs Common Costs, the following formula

will be applied in accordance with article 80(3) CACM for each settlement period¹ by the Central Settlement Entity:

$$\text{Share_MS}(i) = \frac{1}{8} \frac{1}{MS} + \frac{5}{8} \frac{C_x}{TC} + \frac{2}{8} \frac{TV_x}{TTV}$$

Where:

- a) For sharing of SDAC Joint NEMOs and TSOs Common Costs for establishing and amending the SDAC as set forth in Section 1.1.2.1 the following values shall be used:
- Share_MS(i): Member State and third country share of SDAC Joint NEMOs and TSOs Common Costs;
 - MS: the number of Member States and third countries participating in the SDAC;
 - C_x: latest available value included in the Eurostat report 105a of consumption of each Member State or third country;
 - TC: sum of latest available values included in the Eurostat report 105a of consumption in all Member States and third countries;
 - TV_x: traded volume in each Member State or third country calculated as the sum across all products effectively traded and for each trading period in each NEMO active in the Member State or third country (either designated or passporting):
 - (Purchase Traded Volume [MWh] + Sale Traded Volume [MWh]) / 2; and
 - TTV: sum of traded volume across all Member States and third countries.
- b) For sharing of SDAC Joint NEMOs and TSOs Common Costs of operating the SDAC as set forth in Section 1.1.2.2 and for the Joint NEMOs and TSOs Regional Costs of operating the MRC the following values shall be used:
- Share_MS(i): Member State and third country share of SDAC Joint NEMOs and TSOs Common Costs;

¹ Currently defined as Calendar Quarter.

First Amendment to the Single Day-Ahead Coupling Operations Agreement (DAOA) – Annex 5 : Adapted Annex 6 to the DAOA - Cost sharing, monitoring and settlement
Confidential

- MS: the number of Member States and third countries where at least one Operational Party uses the SDAC;
- Cx: latest available value included in the Eurostat report 105a of consumption of each Member State or third country in operation where at least one Operational Party uses the SDAC;
- TC: sum of latest available values included in the Eurostat report 105a of consumption in all Member States and third countries where at least one Operational Party uses the SDAC;
- TVx: traded volume in each Member State or third country where at least one Operational Party uses the SDAC calculated as the sum across all products effectively traded and for each trading period in each NEMO active in the Member State or third country (either designated or passporting):
$$\frac{(\text{Purchase Traded Volume [MWh]} + \text{Sale Traded Volume [MWh]})}{2}$$
and
- TTV: sum of traded volumes across all Member States and third countries where at least one Operational Party uses the SDAC.

The SDAC Joint NEMOs and TSOs Common Costs of operating the SDAC shall only be shared between the Operational Parties.

The Joint NEMOs and TSOs Regional Costs of operating the MRC shall only be shared between the MRC Operational Parties.

3. For calculation of each NEMO and TSO share (irrespective of whether such NEMO or TSO is a Party to the Agreement) to SDAC Joint NEMOs and TSOs Common Costs in each Member State or third country according to CACM, the contribution share attributable to a given Member State or third country (as a result of the computation included in Section 1.1.5, paragraph 2) shall be multiplied using the percentage sharing key amongst NEMOs and TSOs active in such Member State or third country as defined and provided by the competent NRA(s). The outcome of this calculation shall be provided to the JSC

for validation and made available to all Parties and stored in the common (online) storage place.

4. The list of percentage sharing keys amongst NEMOs and TSOs active in each Member State or third country is attached to this Annex 6 as Attachment 3 and may be updated according to applicable Article of this Agreement anytime following a decision of the competent NRA(s). Parties acknowledge that not all sharing keys provided in the Attachment 3 as at the entry into force of this Agreement are the result of a decision from the relevant NRAs, and are instead provisional sharing keys agreed by the Parties. Where applicable, the Parties commit to abiding to the provisional sharing keys set out in Attachment 3 until such time when the concerned NRAs publish the final and legally binding sharing keys by means of a decision. This is a pragmatic tool agreed by the Parties to avoid withholding the project while the decisions on the sharing key between NEMOs and TSOs in a Member State or third country are being taken by each competent NRA. The latest version of Attachment 3 will be maintained by the Central Settlement Entity.
5. As long as not all NEMOs and TSOs of all Member State or third countries have signed the Agreement, an additional calculation specified in Section 1.1.5, paragraph 6 is needed to ensure that the costs are pre-financed by all Parties according to the sharing key set forth in article 80 CACM. The additional calculation will be performed by the Central Settlement Entity per applicable settlement period where the condition is not fulfilled and this calculation will be approved by the JSC. The Central Settlement Entity will ensure that these calculations will be stored in the common (online) storage place. The settlement as described in Section 1.1.6 will be done between Parties based on the end result of the calculation specified in this Section as long as all TSOs and NEMOs of the Member States or third countries that need to sign the Agreement have not done this.
6. For the calculation of each Parties' share of the SDAC Joint NEMOs and TSOs Common Costs for establishing and amending the SDAC to be paid according to the Agreement, the following formula shall be used:

$$\text{Share of Party (P)} = \sum_{x \in MS} \text{share of P in MS}(x) \times \frac{1}{TSP}$$

Where:

- P refers to a Party of the Agreement;
 - X refers to a particular Member State or third country;
 - MS refers to set of all Member States and third countries according to CACM; and
 - TSP refers to sum of shares of all NEMOs and TSOs who are Parties to the Agreement.
7. For the calculation of each Party's share of the SDAC Joint NEMOs and TSOs Common Costs of operating the SDAC to be paid according to the Agreement, the total amount to be shared shall be multiplied by the percentage sharing key calculated according to paragraphs 2 and 3 of this Section.

1.1.6. Cost approval and invoicing mechanism

1. Each Party shall bear the respective share of SDAC Joint NEMOs and TSOs Common Costs for establishing and amending the SDAC according to Section 1.1.2.1, the respective share of SDAC Joint NEMOs and TSOs Common Costs of operating the SDAC according to Section 1.1.2.2 and respective share of Joint NEMOs and TSOs Regional Costs of operating the MRC according to Section 1.1.2.3 as calculated according to paragraph 6 respectively paragraph 7 of Section 1.1.5 above.
2. The invoicing and payment thereof shall be performed separately for the SDAC Joint NEMOs and TSOs Common Costs of establishing or amending the SDAC according to Section 1.1.2.1 and the SDAC Joint NEMOs and TSOs Common Costs of operating the SDAC according to Section 1.1.2.2 and the Joint NEMOs and TSOs Regional Costs of operating the MRC according to Section 1.1.2.3 on a calendar quarterly basis (or such other frequency as the JSC determines) according to the following procedure:

First Amendment to the Single Day-Ahead Coupling Operations Agreement (DAOA) – Annex 5 : Adapted Annex 6 to the DAOA - Cost sharing, monitoring and settlement
Confidential

- a) There will be a Budget Management Task Force (BMTF), and all Parties can have a member in this BMTF. After finalizing the Quarterly Report as provided for under Section 1.1.4., the Central Settlement Entity will present the Quarterly Report to the BMTF, and the BMTF will review the content and the quality of the Quarterly Report before it is sent to the JSC.
- b) By no later than twenty (20) Working Days after the end of each calendar quarter, the Central Settlement Entity will send the Quarterly Report via e-mail to each JSC member. The report will also be stored in the common (online) storage place. The report shall detail the following:
 - i) In respect of such calendar quarter, a clear identification, expressed in euro, of the various incurred SDAC Joint NEMOs and TSOs Common Costs according to the different cost categories as specified in Section 1.1.2.1., 1.1.2.2. and 1.1.2.3.;
 - ii) A link to the common (online) storage place where the timesheets and documentary evidence for costs classified as SDAC Joint NEMOs and TSOs Common Costs can be found;
 - iii) Details of the cumulative SDAC Joint NEMOs and TSOs Common Costs incurred as of 1 January of the relevant year;
 - iv) A short summary of important issues detected by the Central Settlement Entity or the BMTF during the establishment of the report; and
 - v) Any other relevant matters as the Central Settlement Entity or the BMTF shall determine as reasonable for the purposes of the Quarterly Report.
- c) Sent together with the Quarterly Report, a document (the "**Quarterly Account**"), prepared by the Central Settlement Entity, which shall detail separately for the SDAC Joint NEMOs and TSOs Common Costs of establishing or amending the SDAC, the SDAC Joint NEMOs and TSOs Common Costs of operating the SDAC and the Joint NEMOs and TSOs Regional Costs of operating the MRC the following:

- i) A clear identification of the various SDAC Joint NEMOs and TSOs Common Costs items to be made subject to an invoice by those Party(ies) having incurred SDAC Joint NEMOs and TSOs Common Costs in respect of such calendar quarter;
 - ii) Details of the relevant share of each Party calculated according to Section 1.1.5, expressed in euro, of the total SDAC Joint NEMOs and TSOs Common Costs in respect of such calendar quarter;
3. If no objection is raised by any of the JSC members within five (5) Working Days after receipt by them of the Quarterly Report and the Quarterly Account, the Quarterly Report and the Quarterly Account will be deemed approved by the JSC. The JSC shall also expressly record the deemed approval of the relevant Quarterly Report and Quarterly Account at the next scheduled meeting of the JSC or at an ad-hoc meeting of the JSC. If a timely objection is raised it will be discussed in the JSC.
4. Irrespective of whether the Quarterly Report and the Quarterly Account are approved at a meeting (either scheduled or ad-hoc) of the JSC or by deemed approval, the Central Settlement Entity shall, by no later than the 3rd Working Day following the date of such approval, provide the Parties with copies signed by the person indicated by JSC (in PDF or other suitable electronic format) of such approved Quarterly Report and Quarterly Account, based on which a) the Central Settlement Entity shall issue invoices with specified amounts towards the Parties according to Section 2, b) the Parties having incurred SDAC Joint NEMOs and TSOs Common Costs will receive selfbillings by the Central Settlement Entity or will issue invoices with specified amounts towards Central Settlement Entity as is the case for example for GME, MAVIR, OPCOM and Terna who shall issue their own invoices.

1.2. SDAC NEMOs-Only Common Costs

1. All NEMOs shall report to BMTF the SDAC NEMOs-Only Common Costs:
 - a) by no later than on 1 November of a given calendar year, the yearly budget of SDAC NEMOs-Only Common Costs for the following

calendar year as well as a high level road map for the coming three (3) years; and

- b) on the 15th Working Day of a month in which a Quarterly Report is due, a report of encountered NEMOs-Only Common Costs for tracking of budget fulfilment.

2. SDAC NEMOs-Only Common Costs shall be handled, budgeted, categorised, reported and calculated for the purpose of sharing between the Member States and third countries, settlement and invoicing under the ANDOA.

1.3. SDAC TSOs-Only Common Costs

1. All TSOs shall report to the BMTF the SDAC TSOs-Only Common Costs:

- a) by no later than on 1 November of a given calendar year, the yearly budget of SDAC TSOs-Only Common Costs for the following calendar year as well as a high level road map for the coming three (3) years; and
- b) on the 15th Working Day of a month in which a Quarterly Report is due, a report of encountered SDAC TSOs-Only Common Costs for tracking of budget fulfilment.

2. SDAC TSOs-Only Common Costs shall be handled, budgeted, categorised, reported and calculated for the purpose of sharing between the Member States and third countries, settlement and invoicing under the TCDA.

2. Invoicing and payments

2.1. Invoice information

1. Each invoice issued according to the Agreement shall be sent electronically (at the entry into force of this Agreement, by email), but at the request of a Party a paper version shall also be provided. The approved Quarterly Report referred to in Section 1.1.6, 4) shall be attached to all invoices issued. Each invoice shall include at least the following items:

- i) Full name and address of both the invoicing Party and the invoiced Party;

First Amendment to the Single Day-Ahead Coupling Operations Agreement (DAOA) – Annex 5 : Adapted Annex 6 to the DAOA - Cost sharing, monitoring and settlement
Confidential

- ii) VAT number of both the invoicing Party and the invoiced Party;
 - iii) Invoiced amount, valued in euro;
 - iv) Bank account and bank address (including IBAN and BIC) on which the relevant payment shall be made;
 - v) Invoice number;
 - vi) Invoice issue date;
 - vii) Settlement period;
 - viii) Designation of the service on the invoice (including the reference to the Quarterly Report and the Quarterly Account that are used as basis for issuing the invoice) and whether the invoice is related to the SDAC Joint NEMOs and TSOs Common Costs for establishing or amending the SDAC or the SDAC Joint NEMOs and TSOs Common Costs of operating the SDAC or the Joint NEMOs and TSOs Regional Costs of operating the MRC with indication of the period covered. In case of resettlement the invoice should refer to the resettlement. For resettlement the period covered shall not be specified;
 - ix) Tax rate and tax amount separately, if any;
 - x) Specific constraint for invoicing, required by article 226 of Directive 2006/112/CE, if any, e.g. indication of the reference to the applicable provision of the Directive where the supply of services is subject to the VAT reverse charge procedure;
 - xi) Reference if required by the invoiced Party; and
 - xii) Payment term in accordance with paragraph 2) hereafter.
2. Each Party shall pay the invoiced amount within thirty (30) days from the end of the month of the receipt of the respective invoice (the "**Due Date**"). All payment(s) shall be made by wire transfer to the bank account indicated in the invoice(s).

- 3. Default interest on any amounts not paid by the Due Date, shall accrue at the legal interest rate as specified in Directive 2011/7/EU and as detailed in a Service Level Agreement with the Central Settlement Entity.
- 4. A breach of payment obligation towards the Central Settlement Entity is regarded as breach of this Agreement.

2.2. Invoice dispute

[REDACTED]

2.3. Fulfilment obligations arising from Slovak law

Parties were informed that SEPS and OKTE are subject to Act No. 315/2016 Coll. Public Sector Partners Register Act as amended by Act No. 38/2017 Coll. (hereinafter referred to as "Public Sector Partners Register Act") according to which they may respectively not make regular payments to a Party exceeding 250.000 EUR per calendar year or, in case of the amount of irregular payments exceeding 100.000 EUR, if such Party is not registered under the Public-Sector Partners Register. SEPS and OKTE respectively undertake to monitor the thresholds and when the thresholds are approaching, it/they shall notify the relevant Party, in a timely manner. The relevant Party shall register in the Public-Sector Partners

Register, after receiving the notification from SEPS and/or OKTE, as pre-condition for payment by SEPS and/or OKTE.

3. Process for re-settlement among all Parties of costs incurred under the MRC DAOA pre-financed by MRC DAOA Parties and PCR NEMOs for the period from 14 February 2017 until the end of the month of entry into force of this Agreement

Parties agree that for the purpose of this Section of Annex 6, the MRC DAOA invoicing and settlement process as applied between the parties to the MRC DAOA and the PCR Cooperation Agreement invoicing and settlement process as applied between the parties to the PCR Cooperation Agreement, shall apply until the end of the month in which this Agreement enters into force.

3.1. SDAC Joint NEMOs and TSOs Common Costs

1. Parties agree that for the purpose of the Agreement, SDAC Joint NEMOs and TSOs Common Costs for the period from 14 February 2017 until the end of the month of the entry into force of this Agreement consist of the following sub-categories of MRC DAOA costs and PCR costs (further detailed in Attachment 4 including the estimation of total costs for each sub-category):
 - i) Costs related to adaptations or developments of the MCO Function System being currently only design and development activities related to the MNA and SEC functionality;
 - ii) Costs resulting from drafting of the Agreement;
 - iii) Costs of joint governance activities related to SDAC to the benefit of all Parties or all NEMOs or all TSOs participating in the SDAC, such as MRC algorithm task force, legal task force, PMO services for technical support (MNA coordination) and project place licenses for external providers;
 - iv) Costs related to development and user training of Simulation Facility.
2. For the period from 14 February 2017 until the last day of the month of the Entry into force of this Agreement, the SDAC Joint NEMOs and TSOs Common

Costs will be initially shared by the MRC DAOA Parties respectively by the PCR NEMOs and shall therefore be shared amongst all Parties respectively all Operational Parties as soon as possible after entry into force of this Agreement in accordance with CACM and the competent NRAs decisions. If such process cannot be organised within six (6) months after the entry into force of this Agreement possible mitigation measures need to be discussed at JSC level respectively at ANDOA SC level.

3. Any TSO or NEMO adhering to the Agreement after the last day of the month of the entry into force of this Agreement shall pay its share of the SDAC Joint NEMOs and TSOs Common Costs for the period from 14 February 2017 until the last day of the month of the entry into force of this Agreement together with its share of all SDAC Joint NEMOs and TSOs Common Costs for the period from the last day of the month of the entry into force of this Agreement until its adherence as further specified in Section 5.
4. The SDAC Joint NEMOs and TSOs Common Costs for the period from 14 February 2017 until the end of the month of the entry into force of this Agreement shall be considered as SDAC Joint NEMOs and TSOs Common Costs of establishing or amending the SDAC.
5. SDAC Joint NEMOs and TSOs Common Costs for the period from 14 February 2017 until the end of the month of the entry into force of this Agreement shall be shared in accordance with the Common Cost Sharing Key determination detailed in Section 1.1.5 above and in accordance with the following process:
 - i) By no later than thirty (30) Working Days after the end of the month of the entry into force of this Agreement, the Central Settlement Entity shall send via e-mail to each JSC member, a report covering the period from 14 February 2017 until the end of the month of the entry into force of this Agreement which shall detail the following:
 - a) in respect of such period, a clear identification, expressed in euro, of the various incurred SDAC Joint NEMOs and TSOs Common Costs;
 - b) cumulative amount of the SDAC Joint NEMOs and TSOs Common Costs incurred during this period; and

- c) any other relevant matters as the Central Settlement Entity or JSC shall determine as reasonable for such purpose;
- ii) After approval of the above mentioned report by the JSC, the process described in Section 1.1.5 shall be used in order to calculate the share of each NEMO and TSO in each Member State or third country according to CACM and to calculate the share of each Party to the Agreement. If the NRAs provide a different settlement for the period or a subset of the period then this will be taken into account. An overview of possible deviations can be found in Attachment 3. Outcome of this calculation, together with the clear identification of the costs shares already incurred by MRC DAOA Parties respectively PCR NEMOs during the period from 14 February 2017 until the end of the month of the entry into force of this Agreement, shall be subject to the JSC approval;
- iii) If a share of the SDAC Joint NEMOs and TSOs Common Costs of establishing and amending the SDAC of a NEMO was already recovered from some MRC TSOs, any recovery of the costs by the MRC TSO shall be dealt with respective NEMO(s) and NRA(s) as the case may be on Member State or third country level;
- iv) The net difference between each Party 's share of SDAC Joint NEMOs and TSOs Common Costs of establishing or amending the SDAC during the period from 14 February 2017 until the end of the month of the entry into force of this Agreement (as calculated according to point ii) above) and the SDAC Joint NEMOs and TSOs Common Costs of establishing or amending the SDAC already incurred by such Party during this period (taking into account point iii) above) shall be invoiced by the Central Settlement Entity based on the mechanism described in Section 1.1.6, within twenty (20) Working Days after approval of the calculation and incurred cost shares according to point ii) above; and
- v) Invoices shall be issued and payments shall be made in accordance with conditions described in Section 2.

3.2. SDAC NEMOs Only Common Costs

The Parties acknowledge that the sharing of the SDAC NEMOs-Only Common Costs amongst all NEMOs for the period from 14 February 2017 until the end of the month of the entry into force of this Agreement shall be governed by the ANDOA.

If for the period from 14 February 2017 until the end of the month of the entry into force of this Agreement some MRC TSOs have recovered and will recover the SDAC NEMOs-Only Common Costs of EPEX Spot respectively EMCO, affected NEMOs and TSOs may resettle these costs in accordance with local recovery agreements or any other local arrangement to be made in accordance with CACM.

3.3. SDAC TSOs-Only Common Costs

The Parties acknowledge that the sharing of the SDAC TSOs-Only Common Costs amongst all TSOs for the period from 14 February 2017 until the end of the month of the entry into force of this Agreement shall be governed by the TCDA.

3.4. Joint NEMOs and TSOs Regional Costs of operating the MRC

The Joint NEMOs and TSOs Regional Costs of operating the MRC for the period between from 14 February 2017 until the end of the month of the entry into force of this Agreement shall be shared in accordance with the Common Cost Sharing Key determination detailed in Section 1.1.5 above and following a similar process amongst MRC Parties only as described in Section 3.1. point 5.

4. Exit Plan and other costs

4.1. Exit Plan costs

1. The cost of an Exit as determined in the Exit Plan according to Article 17.5.2 shall be allocated and settled as proposed by the JSC and as consented to by the Exiting Party.
2. As soon as the JSC and the Exiting Party have agreed upon the costs of an Exit and the modalities how these costs will be settled, the Central Settlement Entity shall follow such instructions and issue respective invoices according to Section 2.

4.2. Other costs

Should the JSC identify other costs than the one specified in this Annex 6 that are up for settlement, the JSC will validate the conditions for the settlement of these costs as well as the classification of these costs.

5. Process for accession of a new Party

1. As soon as a Party accedes to the Agreement, the Central Settlement Entity will assess for this Party the amount to be paid by this Party covering:
 - a) The share of the new Party of the SDAC Joint NEMOs and TSOs Common Costs from 14 February 2017 until the moment of its adherence;
 - b) The costs associated to the recalculations and preparations needed for the process of resettlement being estimated as follows: a fee of one (1) Working Day (standard rate for an internal resource) per settlement period that needs to be assessed and a fee of one (1) Working Day per settlement period for the costs specified in Section 1.1.5. paragraph 6.
2. These costs, as calculated according to Section 1.1.5, will be included in the Accession Form, as specified in Annex 9, as historical costs.
3. During the settlement period following the signature of the Accession Form by the acceding Party, the share of total SDAC Joint NEMOs and TSOs Common Costs of the acceding Party will be increased by the amount of historical costs included in paragraph 1 above, while the share of total SDAC Joint NEMOs and TSOs Common Costs of other Parties will be reduced by a share of the amount of historical costs included in paragraph 1 of the acceding Party calculated by the Central Settlement Entity proportionally to the pre-financing according to Section 3.1 related to letter a) and b) of paragraph 1 of this Section 5.

Attachment 1 – Reference input data for calculation of CACM cost sharing

1. With regard to formula for calculation of contribution share of Member State and third countries to **SDAC Joint NEMOs and TSOs Common Costs for establishing and amending the SDAC** according to Section 1.1.5 following data shall be used for the period from 1 January 2021 until decided otherwise:

a. For the number of Member States and third countries participating in the single day-ahead coupling – the **"MS" = 27** shall be used, covering following EU Member States plus Norway:

Austria, Belgium, Bulgaria, Croatia, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Ireland, Italy, Latvia, Lithuania, Luxembourg, Netherlands, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Northern Ireland and Norway.

b. For the final consumption ("Cx"), following values included in the Eurostat report nrg_cb_e of for each Member State or third country shall be used (it being understood that they will be replaced on a yearly basis based on updated Eurostat reports):

Member State	Final consumption (Cx) in 2019 according to Report nrg_cb_e (data from 09 March 2021) (in GWh) To be used for the sharing keys of 2021
Austria	66,028
Belgium	83,284
Bulgaria	31,120
Croatia	16,572
Czech Republic	61,189
Denmark	32,460
Estonia	8,257
Finland	82,981
France	444,680
Germany	510,542
Greece	51,735
Hungary	41,282
Ireland	28,102
Italy	301,804
Latvia	6,652
Lithuania	11,409
Luxembourg	6,396
Netherlands	113,368
Poland	152,002
Portugal	48,810
Romania	49,641
Slovakia	26,016
Slovenia	13,776
Spain	242,843
Sweden	127,372
Northern Ireland (Figure provided in DAOA)	9,000

First Amendment to the Single Day-Ahead Coupling Operations Agreement (DAOA) – Annex 5 : Adapted Annex 6 to the DAOA - Cost sharing, monitoring and settlement
Confidential

Norway	123,587
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- c. For the traded volume ("TVx"), in each Member State or third country where at least one Operational Party uses the SDAC following values shall be used (it being understood that they will be replaced on a yearly basis):

Member State		Traded volume 2020 DA (GWh) to be used for sharing of SDAC costs in 2021 ²
Austria	EPEX Spot	17,547
	EXAA	2,743
	EMCO	2,195
Belgium	EPEX Spot	16,384
	EMCO	1,535
Bulgaria	IBEX	15,452
Croatia	Cropex	4,346
Czech Republic	OTE	18,878
Denmark	EMCO	26,772
	EPEX Spot	593
Estonia	EMCO	5,160
Finland	EMCO	50,553
	EPEX Spot	1,517
France	EPEX Spot	103,585
	EMCO	3,795
Germany	EPEX Spot	197,550
	EXAA	15,365
	EMCO	18,295
Greece	HEnEx	50,396
Hungary	HUPX	21,581
Ireland	EirGrid	31,849
Italy	GME	209,833
Latvia	EMCO	6,415
Lithuania	EMCO	10,310
Luxembourg	EPEX Spot	0
	EMCO	0
Netherlands	EPEX Spot	23,999
	EMCO	10,950
Poland	TGE	5,091
	EMCO	0
Portugal	OMIE	54,072
Romania	OPCOM	23,628
Slovakia	OKTE	6,355
Slovenia	BSP	7,614
Spain	OMIE	174,812
Sweden	EMCO	126,477
	EPEX Spot	1,471
Northern Ireland	EPEX Spot	0
	EMCO	0
	SONI	7,794
Norway	EPEX Spot	2,647
	EMCO	133,271

- d. Based on the input values above, contribution share of Member States and third countries to SDAC Joint NEMOs and TSOs Common Costs for establishing and amending the SDAC:

First Amendment to the Single Day-Ahead Coupling Operations Agreement (DAOA) – Annex 5 : Adapted Annex 6 to the DAOA - Cost sharing, monitoring and settlement
Confidential

Member State	Share_MS(i) for 2021 ²
Austria	2.395%
Belgium	2.715%
Bulgaria	1.460%
Croatia	0.925%
Czech Republic	2.219%
Denmark	1.702%
Estonia	0.746%
Finland	3.313%
France	12.694%
Germany	16.418%
Greece	2.558%
Hungary	1.804%
Ireland	1.680%
Italy	11.191%
Latvia	0.731%
Lithuania	0.911%
Luxembourg	0.612%
Netherlands	3.715%
Poland	4.084%
Portugal	2.555%
Romania	2.035%
Slovakia	1.180%
Slovenia	0.918%
Spain	9.201%
Sweden	5.689%
Northern Ireland	0.810%
Norway	5.742%

2. With regard to formula for calculation of contribution share of Member State and third countries to **Joint NEMOs and TSOs Common Costs for operating the SDAC** according to Section 1.1.5 following data be used for the period as of the month following the month of entry into force of this Agreement:
- a. For the number of Member States and third countries operationally participating in the single day-ahead coupling – the **"MS" = 26** shall be used, covering following EU Member States plus Norway:
Austria, Belgium, Bulgaria, Croatia, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Italy, Ireland, Latvia, Lithuania, Netherlands, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Northern Ireland and Norway.
 - b. For the final consumption ("Cx"), following values included in the Eurostat report nrg_cb_e of for each Member State or third country shall be used (it being understood that they will be replaced on a yearly basis based on updated Eurostat reports):

Member State	Final consumption (Cx) in 2019 according to Report nrg_cb_e (data)

¹ Based on consumption values from 2019 and trading volumes for 2020
² This table is subject to change in the event of a new party entering the DAOA

First Amendment to the Single Day-Ahead Coupling Operations Agreement (DAOA) – Annex 5 : Adapted Annex 6 to the DAOA - Cost sharing, monitoring and settlement
Confidential

	from 09 March 2021) (in GWh) To be used for the sharing keys of 2021
Austria	66,028
Belgium	83,284
Bulgaria	31,120
Croatia	16,572
Czech Republic	61,189
Denmark	32,460
Estonia	8,257
Finland	82,981
France	444,680
Germany	510,542
Greece	51,735
Hungary	41,282
Ireland	28,102
Italy	301,804
Latvia	6,652
Lithuania	11,409
Netherlands	113,368
Poland	152,002
Portugal	48,810
Romania	49,641
Slovakia	26,016
Slovenia	13,776
Spain	242,843
Sweden	127,372
Northern Ireland (Figure provided in DAOA)	9,000
Norway	123,587

- c. For the traded volume (“TVx”), in each Member State or third country where at least one Operational Party uses the SDAC following values shall be used (it being understood that they will be replaced on a yearly basis):

Member State		Traded volume 2020 DA (GWh) to be used for sharing of SDAC costs in 2021²
Austria	EPEX Spot	17,547
	EXAA	2,743
	EMCO	2,195
Belgium	EPEX Spot	16,384
	EMCO	1,535
Bulgaria	IBEX	15,452
Croatia	Cropex	4,346
Czech Republic	OTE	18,878
Denmark	EMCO	26,772
	EPEX Spot	593
Estonia	EMCO	5,160
Finland	EMCO	50,553
	EPEX Spot	1,517
France	EPEX Spot	103,585
	EMCO	3,795
Germany	EPEX Spot	197,550
	EXAA	15,365
	EMCO	18,295
Greece	HEnEx	50,396
Hungary	HUPX	21,581
Ireland	EirGrid	31,849
Italy	GME	209,833

First Amendment to the Single Day-Ahead Coupling Operations Agreement (DAOA) – Annex 5 : Adapted Annex 6 to the DAOA - Cost sharing, monitoring and settlement
Confidential

Latvia	EMCO	6,415
Lithuania	EMCO	10,310
Netherlands	EPEX Spot	23,999
	EMCO	10,950
Poland	TGE	5,091
	EMCO	0
Portugal	OMIE	54,072
Romania	OPCOM	23,628
Slovakia	OKTE	6,355
Slovenia	BSP	7,614
Spain	OMIE	174,812
Sweden	EMCO	126,477
	EPEX Spot	1,471
Northern Ireland	EPEX Spot	0
	EMCO	0
	SONI	7,794
Norway	EPEX Spot	2,647
	EMCO	133,271

- d. Based on the input values above, contribution share of Member States and third countries to SDAC Joint NEMOs and TSOs Common Costs for operating the SDAC:

Member State	Share_MS(i) for 2021 ³
Austria	2.416%
Belgium	2.737%
Bulgaria	1.479%
Croatia	0.944%
Czech Republic	2.240%
Denmark	1.721%
Estonia	0.764%
Finland	3.335%
France	12.736%
Germany	16.464%
Greece	2.578%
Hungary	1.824%
Italy	11.226%
Ireland	1.699%
Latvia	0.749%
Lithuania	0.929%
Netherlands	3.739%
Poland	4.110%
Portugal	2.575%
Romania	2.055%
Slovakia	1.199%
Slovenia	0.936%
Spain	9.232%
Sweden	5.713%
Northern Ireland	0.828%
Norway	5.767%

3. The BMTF shall use directly the consumption values within the cost sharing formula provided in paragraph 2 of Section 1.1.5 in order to calculate precise percentage share of each Member State or third country and ultimately

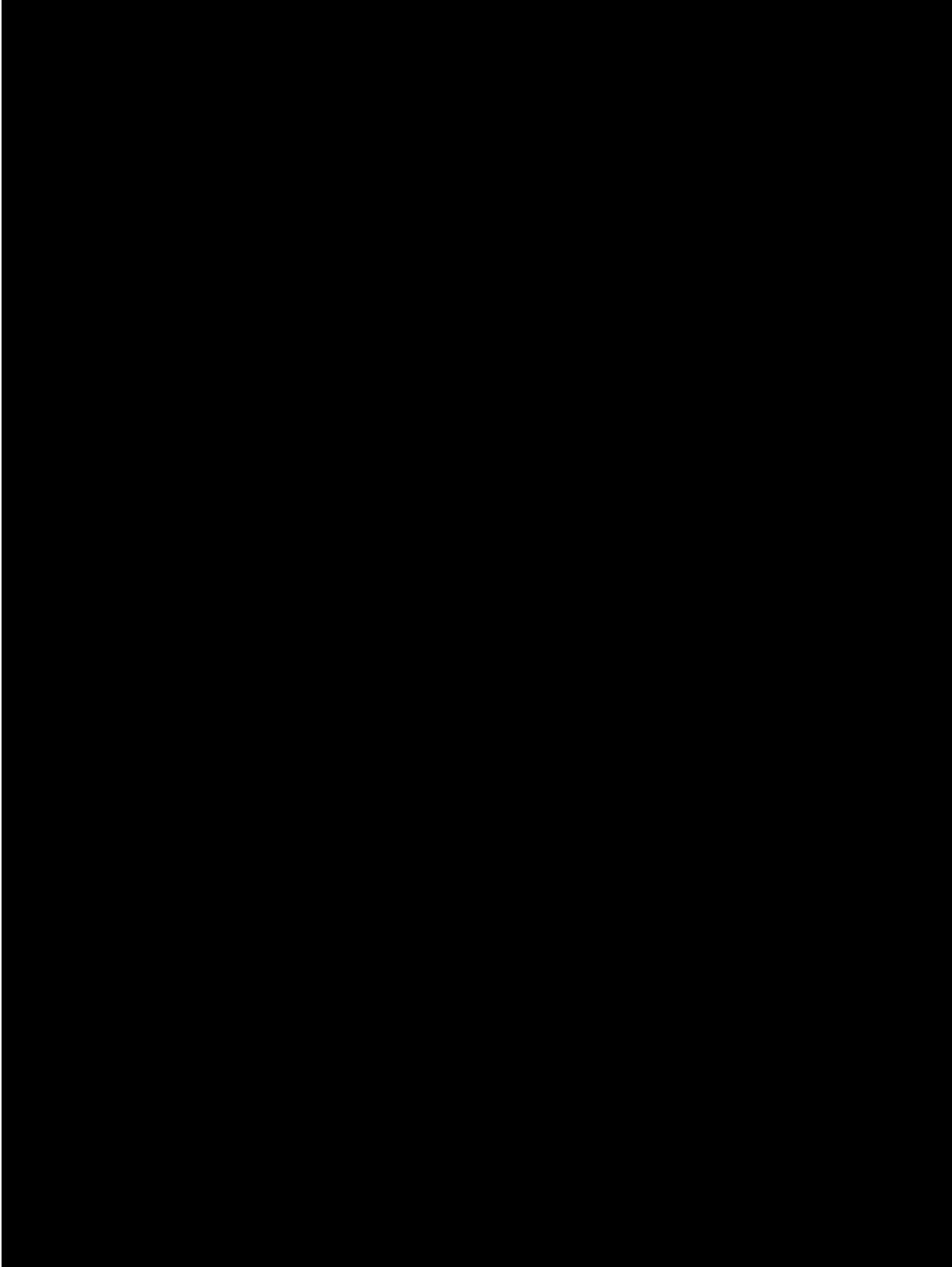
³ Based on consumption values from 2019 and trading volumes for 2020

First Amendment to the Single Day-Ahead Coupling Operations Agreement
(DAOA) – Annex 5 : Adapted Annex 6 to the DAOA - Cost sharing, monitoring
and settlement
Confidential

the precise percentage share of each Party. These percentage shares shall not be rounded in order to ensure that the maximum deviation per Party is limited to 0.5 cents once the percentage share is multiplied by the total amount of costs.

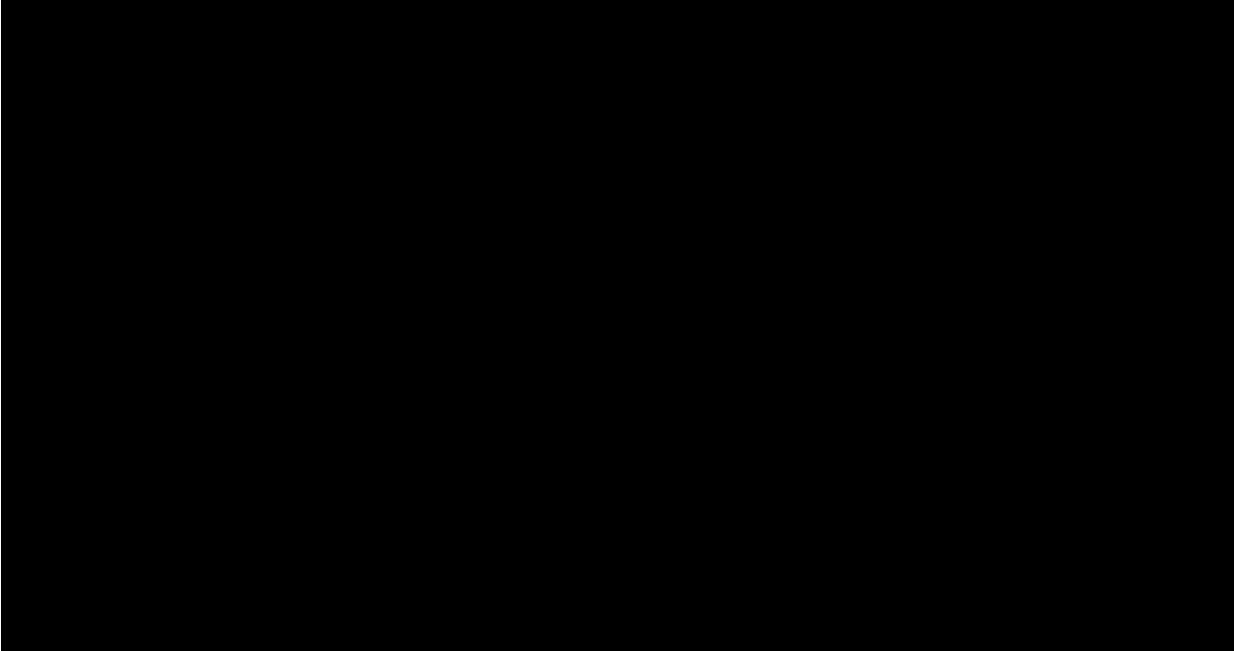
Attachment 2 – Budget 2021

Joint NEMOs and TSOs Common Costs for establishing and amending the SDAC:



First Amendment to the Single Day-Ahead Coupling Operations Agreement (DAOA) – Annex 5 : Adapted Annex 6 to the DAOA - Cost sharing, monitoring and settlement
Confidential

NEMOs and TSOs Common Costs for operating the SDAC:



Attachment 3 - List of percentage sharing keys amongst NEMOs and TSOs active in each Member State or third country

1. With regard to percentage sharing keys amongst NEMOs and TSOs active in each Member State or third country contributing to SDAC Joint NEMOs and TSOs Common Costs **for establishing and amending the SDAC** according to Section 1.1.5 following data shall (unless not in line with input received from the relevant NRA, in which case the latter shall prevail) be used for the period from 14 February 2017⁴⁵⁶⁷⁸⁹¹⁰.

⁴ For Denmark, Finland, Norway and Sweden the share is based on NRA position that common joint NEMOs costs shall be shared that 1/3 of the costs is a flat rate based on the numbers of NEMOs in the country and 2/3 is shared based on traded volume. As soon as another NEMO becomes operational NEMO the traded volumes in DK will need to be considered in the cost-sharing formula between NEMOs, starting from the following calendar year.

⁵ For France the share is based on the principle, that NEMO key for costs of establishing and amending is an equal share between all FR NEMOs. This means that the key is to be updated as soon as a new NEMO is designated in France, or passporting in France.

⁶ For Luxembourg 100% for the TSO, as long as there is no Nemo hub active in Luxembourg, meaning that agreed NEMOs in Luxembourg have no trading activity in Luxembourg. As soon as trading activities take place in Luxembourg, the sharing foreseen in Luxembourg between the TSO and the NEMOs is as followed:
Share for the TSO = $1/8 * 1/MS + 5/8 * Cx/TC$ and share for the NEMOs = $2/8 * TVx/TTV$ (terms of the formulas are defined in the above article 1.1.5.2.). The sharing between the NEMOs in Luxembourg is as followed: $[Traded\ volume\ of\ a\ NEMO\ on\ the\ LU\ day-ahead\ market] / [total\ traded\ volume\ on\ the\ LU\ day-ahead\ market\ by\ all\ NEMOs\ active\ in\ LU]$.

⁷ For UK: According to current plan Nemo Link will become operational 31.01.2019. Nemo Link has agreed with BritNed and NGIC that there will be a split of 1/3 per party for the UK as of February 2019. However, Ofgem is undertaking a 2nd Consultation during spring/early summer 2018. The arrangements will be added, by agreement of JSC, once the decision of Ofgem has become final. With regards to the intra-NEMO sharing key for allocating NEMO's share of the costs, page 10 of Ofgem's Updated Minded To Decision published on 5th June 2018 states that`

- One third of the total cost should be split equally between NEMOs; and the
- Remaining two thirds of the costs should be shared between NEMOs according to their respective traded volumes

⁸ For the Netherlands, the NEMO-costs in the Netherlands should be shared among NEMOs active in the Netherlands based on the distribution of their voting power under the CACM Regulation in the year in question. The voting power of the NEMOs is defined by the Dutch Ministry of Economic Affairs and Climate as: $[The\ traded\ volume\ of\ a\ NEMO\ on\ the\ NL\ day-ahead\ market\ in\ year\ y-1] / [total\ traded\ volume\ on\ the\ NL\ day-ahead\ market\ by\ all\ NEMOs\ active\ in\ NL\ in\ year\ y-1]$.

⁹ For Poland costs attributed to NEMOs resulting from joint NEMOs and TSOs common costs are shared as: 1/3 of the NEMO's part of the costs are shared equally between NEMOs in Poland and 2/3 are shared based on traded volume on day-ahead market (traded volume of a given NEMO on the PL day-ahead market / total traded volume on the PL day-ahead market).

¹⁰ For Belgium, the NEMO-costs in Belgium must be split amongst the NEMOs active in Belgium on the basis of their voting rights, allocated pursuant the provision in Article 9(2) of the CACM Regulation. As this split is partly based on the traded volumes of each Belgian NEMO, it can change on a yearly basis. In 2018, the voting rights are understood to be allocated 90% to EPEX Spot and 10% to Nord Pool.

First Amendment to the Single Day-Ahead Coupling Operations Agreement (DAOA) – Annex 5 : Adapted Annex 6 to the DAOA - Cost sharing, monitoring and settlement
Confidential

Member State (MS)	Entity	Share within MS	NEMO split within MS	Member State (MS)	Entity	Share within MS	NEMO split within MS
Austria	APG	50,00%		Latvia	AST	50,00%	
	EPEX	37,92%	75,84%		EMCO	41,67%	83,33%
	EXAA	6,44%	12,88%		EPEX	8,33%	16,67%
	EMCO	5,64%	11,28%	Lithuania	LITGRID	50,00%	
Belgium	ELIA	50,00%			EMCO	41,67%	83,33%
	EPEX	45,00%	90,00%		EPEX	8,33%	16,67%
	EMCO	5,00%	10,00%	Luxembourg	Creos	100,00%	
Bulgaria	ESO	50,00%			EPEX	0,00%	0%
	IBEX	50,00%	100,00%		EMCO	0,00%	0%
Croatia	HOPS	50,00%		Netherlands	Tennet BV	50,00%	
	CROPEX	50,00%	100,00%		EPEX	50,00%	100,00%
Czech Republic	CEPS	50,00%			EMCO	0,00%	0%
	OTE	50,00%	100,00%	Poland	PSE	50,00%	
Denmark	ENDK	50,00%			TGE	38,89%	77,78%
	EMCO	41,67%	83,33%		EPEX	5,56%	11,11%
	EPEX	8,34%	16,67%		EMCO	5,56%	11,11%
Estonia	Elering	50,00%		Portugal	REN	50,00%	
	EMCO	41,67%	83,33%		OMIE	50,00%	100,00%
	EPEX	8,33%	16,67%	Romania	TEL	50,00%	
Finland	Fingrid	50,00%			OPCOM	50,00%	100,00%
	EMCO	41,67%	83,33%	Slovakia	SEPS	50,00%	
	EPEX	8,33%	16,67%		OKTE	50,00%	100,00%
France	RTE	50,00%		Slovenia	ELES	50,00%	
	EPEX	25,00%	50,00%		BSP	50,00%	100,00%
	EMCO	25,00%	50,00%	Spain	REE	50,00%	
Germany	50Hzt	21,96%			OMIE	50,00%	100,00%
	Amprion	32,07%			Sweden	SVK	50,00%
	Tennet	28,44%		EMCO		41,67%	83,33%
	TransnetBW	17,53%		EPEX		8,33%	16,67%
	EPEX	0%	0%	UK (excluding NI)	NationalGrid	50,00%	
	EMCO	0%	0%		BritNed		
EXAA	0%	0%	EPEX		50,00%	18,20%	
Greece	ADMIE	50,00%		EMCO		31,80%	
	HEnEx S.A.	50,00%	100,00%	Norway	Statnett	50,00%	
Hungary	MAVIR	50,00%			EPEX	0%	0%
	HUPX	50,00%	100,00%		EMCO	50,00%	100,00%
Ireland	EirGRID	50,00%		Northern Ireland	SONI	100,00%	
	EirGRID	50,00%	100,00%		SONI	0%	0%
	EMCO	0,00%	0,00%		EMCO	0%	0%
Italy	Terna	50,00%					
	GME	50,00%	100,00%				

2. With regard to percentage sharing keys amongst NEMOs and TSOs active in each Member State or third country contributing to SDAC Joint NEMOs and TSOs Common Costs for **operating** the SDAC according to Section 1.1.5

First Amendment to the Single Day-Ahead Coupling Operations Agreement (DAOA) – Annex 5 : Adapted Annex 6 to the DAOA - Cost sharing, monitoring and settlement
Confidential

following data shall be used as of the month following the month of entry into force of this Agreement⁸¹¹¹²¹³¹⁴.

¹¹ For Denmark, Sweden, Finland, the share is based on NRA position that common joint NEMOs costs shall be shared that 1/3 of the costs is a flat rate based on the numbers of NEMOs in the country and 2/3 is shared based on traded volume. As soon as another NEMO becomes operational NEMO the traded volumes in DK, SE, FI, and will need to be considered in the cost-sharing formula between NEMOs, starting from the following calendar year. For Norway the share for a new NEMO will be zero until it has a licence to operate as NEMO/CCP in Norway. When such new NEMO receive the necessary licence the percentages will be equal to those for SE, FI and DK.

¹² For France the share is based on the principle, that NEMO key for costs of operating is proportional to traded volumes per NEMO in SDAC – and equal share if traded volumes in SDAC are all zero for all FR NEMOs. NEMO key for costs of operating is updated twice a year according to traded volumes of elapsed months, and to NEMO operating under SDAC in FR.

¹³ As soon as another NEMO becomes operational in Estonia, Latvia and Lithuania the operation of such NEMO in Estonia, Latvia and Lithuania will need to be considered in the cost-sharing formula between NEMOs based on individual decision of NRA of Estonia, Latvia and Lithuania.

¹⁴ For Belgium, the NEMO-costs in Belgium must be split amongst the NEMOs active in Belgium on the basis of their voting rights, allocated pursuant the provision in Article 9(2) of the CACM Regulation. As this split is partly based on the traded volumes of each Belgian NEMO, it can change on a yearly basis. In 2018, the voting rights are understood to be allocated 90% to EPEX Spot and 10% to Nord Pool.

First Amendment to the Single Day-Ahead Coupling Operations Agreement (DAOA) – Annex 5 : Adapted Annex 6 to the DAOA - Cost sharing, monitoring and settlement
Confidential

Member State (MS)	Entity	Share within MS	NEMO split within MS	Member State (MS)	Entity	Share within MS	NEMO split within MS
Austria	APG	50,00%		Italy	Terna	50,00%	
	EPEX	37,92%	75,84%		GME	50,00%	100,00%
	EXAA	6,44%	12,88%	Latvia	AST	50,00%	
	EMCO	5,64%	11,28%		EMCO	50,00%	100,00%
Belgium	ELIA	50,00%		EPEX	0,00%	0,00%	
	EPEX	45,00%	90,00%	Lithuania	LITGRID	50,00%	
	EMCO	5,00%	10,00%		EMCO	50,00%	100,00%
			EPEX		0,00%	0,00%	
Bulgaria	ESO	50,00%		Netherlands	Tennet BV	50,00%	
	IBEX	50,00%	100,00%		EPEX	50,00%	100,00%
Croatia	HOPS	50,00%			EMCO	0,00%	0%
	CROPEX	50,00%	100,00%	Poland	PSE	50,00%	
Czech Republic	CEPS	50,00%			TGE	38,89%	77,78%
	OTE	50,00%	100,00%		EPEX	5,56%	11,11%
Denmark	ENDK	50,00%			EMCO	5,56%	11,11%
	EMCO	41,67%	83,33%	Portugal	REN	50,00%	
	EPEX	8,34%	16,67%		OMIE	50,00%	100,00%
Estonia	Elering	50,00%		Romania	TEL	50,00%	
	EMCO	50,00%	100,00%		OPCOM	50,00%	100,00%
	EPEX	0,00%	0,00%	Slovakia	SEPS	50,00%	
Finland	Fingrid	50,00%			OKTE	50,00%	100,00%
	EMCO	41,67%	83,33%	Slovenia	ELES	50,00%	
	EPEX	8,33%	16,67%		BSP	50,00%	100,00%
France	RTE	50,00%		Spain	REE	50,00%	
	EPEX	50,00%	100,00%		OMIE	50,00%	100,00%
	EMCO	0,00%	0,00%	Sweden	SVK	50,00%	
Germany	50Hzt	21,96%			EMCO	41,67%	83,33%
	Amprion	32,07%			EPEX	8,33%	16,67%
	Tennet	28,44%		UK (excluding NI)	NationalGrid		16,667%
	TransnetBW	17,53%			BritNed	50,00%	16,667%
	EPEX	0%	0%		Nemo Link		16,667%
	EMCO	0%	0%	EPEX	50,00%	18,20%	
EXAA	0%	0%	EMCO		31,80%		
Hungary	MAVIR	50,00%		Norway	Statnett	50,00%	
	HUPX	50,00%	100,00%		EPEX	0%	0%
Ireland	EirGRID	50,00%			EMCO	50,00%	100,00%
	EirGRID	50,00%	100,00%	Northern Ireland	SONI	100,00%	
	EMCO	0,00%	0,00%		SONI	0%	0%

3. The BMTF shall use the percentages within the calculation specified in paragraph 3 of Section 1.1.5 in order to calculate precise percentage share of each NEMO and TSO share (irrespective of whether such NEMO or TSO is a Party to the Agreement) to SDAC Joint NEMOs and TSOs Common Costs in each Member State or third country according to CACM. These percentage shares shall not be rounded in order to ensure that the maximum deviation per Party is limited to 0.5 cents once the percentage share is multiplied by the total amount of costs.

Attachment 4 - Overview of amount of historical budget costs

With regard to process for re-settlement of SDAC Joint NEMOs and TSOs Common Costs for the period from 14 February 2017 until the end of the month of the entry into force of this Agreement following estimation of total costs for each sub-category is made available in line with Section 3.1:

Category specified under Annex 6 Section 3.1	Actuals [EUR] 14/02/2017–31/12/2017	Actuals [EUR] 01/01/2018–30/09/2018	Projection [EUR] 01/10/2018–31/12/2018	Projection [EUR] 01/01/2019–28/02/2019	Total [EUR]

With regard to process for re-settlement of Joint NEMOs and TSOs Regional Costs of operating the MRC for the period from 14 February 2017 until the end of the month of the entry into force of this Agreement following estimation of total costs is made available in line with Section 3.4:

Type of costs	Actuals [EUR] 14/02/2017–31/12/2017	Actuals [EUR] 01/01/2018–30/09/2018	Projection [EUR] 01/10/2018–31/12/2018	Projection [EUR] 01/01/2019–28/02/2019	Total [EUR]

¹⁵ Overall contingency related to new DA governance not regarded in this number

First Amendment to the Single Day-Ahead Coupling Operations Agreement
(DAOA) – Annex 5 : Adapted Annex 6 to the DAOA - Cost sharing, monitoring
and settlement
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