

CACM Cost Report of 2017

prepared by all NEMOs and all TSOs according to Article 80 of COMMISSION REGULATION (EU) 2015/1222 of 24 July 2015 establishing a guideline on capacity allocation and congestion management

A. Common costs resulting from coordinated activities of all NEMOs only or all TSOs only or all NEMOs and all TSOs participating in the single day-ahead and intraday coupling

1.) Actual costs for 2017 (from 14th February 2017)

Following table provides overview of total actual common costs in 2017 (from 14th February 2017):

		Costs of establishing and amending from 14th February 2017	Costs of operating
SDAC common costs	All NEMOs costs	1 315 404,72 EUR	0 EUR
	All TSOs costs	0 EUR	0 EUR
	All NEMOs and all TSOs costs	204 332,70 EUR	0 EUR
SIDC common cost	All NEMOs costs	863 399,41 EUR	0 EUR
	All TSOs costs	685 970,96 EUR	0 EUR
	All NEMOs and all TSOs costs	2 846 094,10 EUR	0 EUR

SDAC

1.a) The all NEMOs costs of establishing and amending the SDAC consists of:

- ❖ Interim NEMO Committee costs in the amount of 176 608,36 EUR
- ❖ NEMOs only costs of establishing and amending the SDAC algorithm and DA MCO Function System in the amount of 1 138 796,36 EUR

as further detailed below.

- 50% of all costs encountered by Interim NEMO Committee in its tasks of preparation of CACM methodologies and proposals as of 14th February 2017 in total of 176 608,36 EUR

Related Task Force	Total costs from 14th February 2017 (EUR)
NEMO Committee	154 811 €
Algorithm (and product) TF	51 684 €
Back-up Methodology TF	9 334 €
Cost TF	26 796 €
DA Algorithm TF	19 630 €
ID Algorithm TF	46 423 €
Legal TF	28 669 €
Min-max price methodology TF	6 330 €
MCO Plan TF	5 377 €
Procurement TF	4 163 €
Total SUM	353 217 €

- ✓ Rate of 925 EUR/MD was used for internal resources of NEMOs
- ✓ The external costs were included at costs without any surplus or commercial benefit for the contracting party.
- ✓ NEMO Committee costs consists of costs of the Chairman of Interim NEMO Committee and costs of external support (costs of project management services provided by SIA Partners Belgium and costs of document management system provided by Project place International AB).
- ✓ The external support for PMO services was selected based on a direct assignment due to urgency of service. The competitive tender was organized over end of 2017 and beginning of 2018.
- ✓ Algorithm (and product) TF is responsible for delivery of Algorithm Methodology and Product Methodology according to CACM Regulation.
- ✓ Back-up Methodology TF is responsible for delivery of Back-up Methodology according to CACM Regulation.
- ✓ COST TF is responsible for budgeting, validating and reviewing of costs associated with Interim NEMO Committee and preparation of Cost Report according to CACM Regulation.
- ✓ DA Algorithm TF is responsible for delivery of requirements for SDAC Algorithm according to CACM Regulation.
- ✓ ID Algorithm TF is responsible for delivery of requirements for SIDC Algorithm according to CACM Regulation.

- ✓ *Legal TF is responsible for delivering the contractual framework in accordance with MCO Plan – especially the All NEMO Cooperation Agreement.*
- ✓ *Min-max price methodology TF is responsible for delivery of Methodology for minimum and maximum Prices for SDAC and SIDC according to CACM Regulation.*
- ✓ *MCO Plan TF is responsible for delivery of MCO Plan according to CACM Regulation.*
- ✓ *Procurement TF is responsible for performing of necessary procurements processes.*

The detail disaggregation of the costs is available in relevant Database file:

- *Respective costs attributable to all NEMOs for establishment and amendment of SDAC algorithm and DA MCO Function System as of 14th February 2017 in total of 1 138 796,36 EUR*

Category	Costs from 14th February 2017 (EUR)
Administrative (ADMIN)	155 289,50 €
Algorithm WG (ALWG)	686 777,47 €
Change Control (CCA)	8 903,13 €
Communication WG (COWG)	3 006,25 €
Governance WG (GOWG)	25 900,00 €
Operational Committee (OPSCOM)	4 552,73 €
Procedural WG (PWG)	40 983,28 €
System design WG (SDWG)	205 521,50 €
Testing WG (TWG)	7 862,50 €
Total SUM	1 138 796,36 €

- ✓ *Rate of 925 EUR/MD was used for internal resources of NEMOs*
- ✓ *The external costs were included at costs without any surplus or commercial benefit for the contracting party.*
- ✓ *Due to the fact, that exact cost categorization was not established or approved in 2017, NEMOs have jointly agreed the percentage rate for each cost item category, based on which such item was included in the NEMOs only common cost of establishing and amending the SDAC category. (The remaining part was considered either operational costs of pre-existing solution or costs of subset of NEMOs).*
- ✓ *Administrative (ADMIN) costs consists of costs of the of external support related to project management services provided by SIA Partners Belgium and costs of document management system provided by Project place International AB).*
- ✓ *The external support for PMO services was selected based on a competitive tender prior to CACM entry into force.*

- ✓ *Algorithm WG (ALWG) is responsible for scoping, delivery and testing of the new releases of the Algorithm. This category includes costs associated with the work performed by external service provider in charge of development and maintenance of the Algorithm-N-SIDE SA*
- ✓ *External service provider in charge of development and maintenance of the Algorithm-N-SIDE SA was selected based on competitive tender prior to CACM entry into force.*
- ✓ *Change Control Administrator (CCA) is responsible for change control management.*
- ✓ *Communication WG (COWG) is responsible for public documentation and press release activities.*
- ✓ *Governance WG (GOWG) is responsible for delivering the contractual framework of NEMOs within SDAC – especially the All NEMO Day-ahead Cooperation Agreement.*
- ✓ *Operational Committee (OPSCOM) is responsible for evaluation of change requests proposed by the parties.*
- ✓ *Procedural WG (PWG) is responsible for drafting, improvement and testing of NEMOs procedures for SDAC – the coupling part.*
- ✓ *System design WG (SDWG) is responsible for scoping, delivery and testing of the new releases of other parts of the MCO Function System than Algorithm. This category includes costs associated with the work performed by external service provider in charge of development and maintenance of the Price Matcher and Broker (PMB) – Unicorn Systems a.s.*
- ✓ *External service provider in charge of development and maintenance of the Price Matcher and Broker (PMB) – Unicorn Systems a.s. was selected based on competitive tender prior to CACM entry into force.*
- ✓ *Testing WG (TWG) is responsible for testing of other parts of the MCO Function System than Algorithm.*

The detail disaggregation of the costs is available in relevant Database file.

- 1.b) There were no costs categorized as all NEMOs costs of operating the SDAC in 2017 due to the fact that SDAC was not yet considered operational during 2017.**
- 1.c) There were no costs categorized as all TSOs costs of establishing and amending the SDAC in 2017 due to the fact that:**
- ✓ *The common costs incurred in the MRC and 4MMC project (recognized as a basis for the SDAC) as the Day Ahead Operational Agreement is not signed yet and therefore are reported as regional costs with the agreed level of details.*
 - ✓ *The costs related to the development of the methodologies are considered as TSOs national costs and at a minor level ENTSO-E costs.*
- 1.d) There were no costs categorized as all TSOs costs of operating the SDAC in 2017 due to the fact that SDAC was not yet considered operational during 2017**

1.e) The join all TSOs and all NEMOs costs of establishing and amending the SDAC consists of:

- ❖ Costs related to design and implementation of Multi NEMO Arrangements in the amount of 192 638,06 EUR
- ❖ Costs related to establishment of SDAC in the amount of 11 694,64 EUR

as further detailed below.

- *Respective costs attributable to all NEMOs and all TSOs for establishment and amendment of SDAC for design and implementation of Multi NEMO Arrangements functionalities in MCO Function System and the Algorithm in as of 14th February 2017 in total of 192 638,06 EUR*

Category	Costs from 14th February 2017 (EUR)
MNA design and implementation	192 638,06 €
Total SUM	192 638,06 €

- ✓ *Rate of 925 EUR/MD was used for internal resources of NEMOs*
- ✓ *The external costs were included at costs without any surplus or commercial benefit for the contracting party.*
- ✓ *Due to the urgency of the task the resources available in PCR project were used in order to deliver respective outcomes related to Multi-NEMO functionalities including the external support related to project management services provided by SIA Partners Belgium.*

The detail disaggregation of the costs is available in relevant Database file.

- *Costs related to establishment of SDAC in the amount of 11 694,64 EUR*

Related Task Force	Total costs from 14th February 2017 (EUR)
MRC Algorithm TF Coordination	10 406,26€
Project Place MRC Users Common Costs	1 288,38€
Total SUM	11 694,64 €

The detail disaggregation of the costs is available in relevant Database File

1.f) There were no costs categorized as all NEMOs costs of operating the SDAC in 2017 due to the fact that SDAC was not yet considered operational during 2017.

SIDC

1.g) The all NEMOs costs of establishing and amending the SIDC consists of:

- ❖ Interim NEMO Committee costs in the amount of 176 608,36 EUR
- ❖ NEMOs only costs of establishing and amending the SIDC in the amount of 686 791,05 EUR

as further detailed below.

- 50% of all costs encountered by Interim NEMO Committee in its tasks of preparation of CACM methodologies and proposals as of 14th February 2017 in total of 176 608,36 EUR

Related Task Force	Total costs from 14th February 2017 (EUR)
NEMO Committee	154 811 €
Algorithm (and product) TF	51 684 €
Back-up Methodology TF	9 334 €
Cost TF	26 796 €
DA Algorithm TF	19 630 €
ID Algorithm TF	46 423 €
Legal TF	28 669 €
Min-max price methodology TF	6 330 €
MCO Plan TF	5 377 €
Procurement TF	4 163 €
Total SUM	353 217 €

The detail information related to Interim NEMO Committee is available under the NEMOs only cost of establishing and amending the SDAC.

- Respective costs attributable to all NEMOs for establishment and amendment of SIDC in total of 686 791,05 EUR

Category	Total costs from 14th February 2017 (EUR)
Budget Management WG (BMWG)	9 532,35 €
Legal WG (LWG)	113 458,39 €
Project Management (PM)	308 107,56 €
Procedures WG (PWG)	80 702,50 €
Technical WG (TWG)	174 990,25 €
Total SUM	686 791,05

- ✓ *The external costs were included at costs without any surplus or commercial benefit for the contracting party.*
- ✓ *The resources for NEMOs only part of SIDC project were secured only through external providers support by Indra Czech Republic s.r.o. for BMWG, PM, PWG and TWG and by MODO Advocaten for LWG.*
- ✓ *The external support for PMO services was selected based on a competitive tender prior to CACM entry into force.*
- ✓ *The external support for LWG services was selected based on a direct assignment prior to CACM entry into force.*
- ✓ *Budget Management WG (BMWG) is responsible for budgeting, validating and reviewing of costs associated with IDOA by NEMOs.*
- ✓ *Legal WG (LWG) is responsible for delivery of contractual framework needed by NEMOs in order to establish and operate the SIDC.*
- ✓ *Project Management (PM) is responsible for project management of NEMOs only bodies under the SIDC project.*
- ✓ *Procedures WG (PWG) is responsible for establishing the NEMOs only procedures of SIDC and NEMOs activities (drafting and review) related to joint NEMOs and TSOs procedures.*
- ✓ *Technical WG (TWG) is responsible for review of technical and functional specification of the SIDC MCO Function System.*

1.h) There were no costs categorized as all NEMOs costs of operating the SIDC in 2017 due to the fact that SIDC was not yet operational during 2017.

1.i) The all TSOs costs of establishing and amending the SIDC consists of:

❖ **All TSOs PMO and WG support in the amount of 685 970,96 EUR**

as further detailed below.

- *Respective costs attributable to all TSOs for establishment and amendment of SIDC in total of 685 970,96 EUR*

Category	Total costs from 14th February 2017 (EUR)
TSOs workgroups convenors TSOs legal support TSOs PM and PMO TSOs meeting arrangement	426 226,71 €
Costs to achieve go-live (ECP setup and support during testing)	75 246,50 €
Audits NWE PXs	44 895,00 €
Maintenance (TSOs)	41 036,63 €

Hosting (TSOs)	98 566,13 €
Total SUM	685 970,96 €

- ✓ *The Costs to achieve go-live (ECP setup and support during testing) are costs paid to Magnus Red for ECP PM and to Unicorn for hosting*
- ✓ *The Maintenance and Hosting costs are costs of DBAG for Maintenance and Hosting of the ECP end note*
- ✓ *The audit costs of NWE PXs are costs related to audit requested by the TSOs for validation of the costs of PXs recovered via APCA.*

1.j) There were no costs categorized as all TSOs costs of operating the SIDC in 2017 due to the fact that SIDC was not yet operational during 2017

1.k) The join all TSOs and all NEMOs costs of establishing and amending the SIDC consists of:

- ❖ **SIDC algorithm and ID MCO Function System in the amount of 2 846 094,10 EUR**

as further detailed below.

- *Costs related to establishment and amendment of SIDC as of 14th February 2017 in total of 2 846 094,10EUR*

Category	Total costs from 14th February 2017 (EUR)
Accession stream	192 396,85 €
DBAG invoices	697 952,54 €
DBAG rent of NP MPLS line	635,94 €
Exchange rate correction	-847,24 €
Go-live coordinator	74 802,37 €
ICCC	101,25 €
IDSC, OTF, MTF, JCT	246 389,98 €
IPT, BMSG, COM SG	14 909,40 €
IPT, COM SG	95 371,92 €
ITTF	145 425,00 €
ITTF, BMSG	214 832,55 €
JCT	125 429,43 €
Lip Testing	259 375,00 €
LTF	209 248,02 €
Meeting expenses	38 080,00 €
ReQtest	11 892,00 €
SG Losses	26 469,52 €
System audit	48 717,00 €

Travel & meeting expenses	111 673,60 €
Travel expenses	44 734,36 €
XTG	218 646,88 €
MPLS	69 857,75 €
Total SUM	2 846 094,10 €

- ✓ *The Accession Stream consisted of NEMO and TSO representatives of those countries not in the original pilot project or the first go-live. The purpose of the Accession Stream was to: i) Provide Knowledge Transfer on XBID; ii) Provide detailed information on current status, risks, issues etc.; iii) Provide transparency on XBID costs/sharing etc. A Project Manager was appointed for the Accession Stream (provided by Indra) and physical meetings were held, normally at Vienna. The Accession Stream was mobilised after the entry into force of CACM and ended at XBID go-live when all parties, who had signed the Intraday Operational Agreement (IDOA) joined the XBID IDSC (one Lessons Learnt workshop was held with AS parties after go-live).*
- ✓ *The Incident Committee (ICCC) was established in preparation for go-live to ensure that there was the ability to hold Incident Calls in the event of XBID system incidents. Preparation of arrangements, processes and technology were made.*
- ✓ *The Intraday Steering Committee (IDSC) is the highest level of governance in the XBID project and tracks project status, risks, issues etc. as well as making strategic decisions and managing escalations within the project.*
- ✓ *The Integrated Planning Team (IPT) (since renamed Integrated Co-ordination Team, ICT) is responsible for ensuring all streams of activity in the project are co-ordinated by means of an Integrated Plan. All Project Managers, PMOs and TF/SG leads attend and update progress against the project plan including identifying dependencies/risks/mitigations etc. Issues are escalated to the Co-Chairs of the IDSC.*
- ✓ *The Budget Management Sub Group (BM SG) is responsible for the financial management of the project. This includes budgeting, cost validation, financial reporting, and the cost resettlement processes in accordance with CACM, NRA cost reporting etc.*
- ✓ *The Communications Sub Group (COM SG) is responsible for stakeholder management. This includes developing material for meetings with the European Commission, NRAs, Market Parties (the User Group), MESC etc. It is also responsible for drafting press releases. COM SG is also responsible for larger events such as the Pre- Go-Live Launch Event.*
- ✓ *The Joint Co-ordination Team (JCT) was a Project Board type body consisting of both NEMOs and TSOs. Matters requiring decisions from groups such as OTF, MTF, ITTF were managed by the JCT. The JCT reported to the IDSC. The JCT ended soon after go-live.*
- ✓ *The Operational Task Force (OTF) was responsible for operational preparation, in particular the description of Roles & Responsibilities, Operational procedures, procedures for change management and maintenance and testing of procedures.*

- ✓ *The Market Task Force (MTF) managed aspects of the XBID project relating to, for example, pre- and post- coupling and shipping. They were responsible for specifying the requirements of the Shipping Module.*
- ✓ *The Sub Group Losses (SG Losses) focuses on designing the concept for Losses on DC Interconnectors and specifying the requirements. Also, for undertaking functional specification reviews etc. It is also responsible for aspects of the concept such as single sided trades.*
- ✓ *The Information Technology Task Force (ITTF) is responsible for functional and technical aspects related to the software and infrastructure solution of XBID. This includes ensuring that IT requirements are specified for the DBAG solution and the review of functional specifications. It is also the joint body where technical decisions are made. The scope includes the communication channel aspects (e.g. MPLS, ECP) of the project as well as the XBID solution, IT infrastructure & architecture, ICT security management, Hosting of data and information interchange.*
- ✓ *The co-ordination of testing across the LIPs is essential. The LTC co-ordinates preparation and execution of testing such as Connectivity, Functional Integration (FIT) and Simulation Integration (SIT) with a focus on local systems integration with XBID and the support of End-to-End tests executed together with XTG etc. Reporting on progress is made to the IDSC. The role was in place for the 1st wave go-live and is in place for the 2nd wave go-live as well.*
- ✓ *The Legal Task Force (L TF) is responsible for the legal aspects of XBID including drafting/review of legal agreements associated with the project. This includes contractual aspects relating to contracts with service providers and importantly, the development and finalisation of the Intraday Operational Agreement (IDOA).*
- ✓ *The XBID Testing Group (XTG) is responsible for testing the XBID solution. It manages this testing across NEMOs and TSOs for all of the XBID modules (CMM, SM, SOB). The XTG assesses, plans and delivers the testing for each testing phase (e.g. User Acceptance Testing, UAT). The XTG interfaces with DBAG and ensures, for example, that the contractually agreed exit criteria are met for each testing phase. The XTG also have an important interface with the LTC.*
- ✓ *The Go-Live Co-ordinator (GLC) played a critical role in ensuring that all parties were prepared for go-live. This involved defining the Go-live strategy and approach as well as identifying the activities that needed to be completed for a successful go-live. The GLC also tracked the completion of these – over 700 items in total.*

1.1) There were no costs categorized as joint NEMOs and TSOs costs of operating the SIDC in 2017 due to the fact that SIDC was not yet considered operational during 2017.

2.) Forecasts for 2018

Following table provides overview of forecast of common costs for 2018:

		Costs of establishing and amending	Costs of operating
Day ahead related common costs	All NEMOs costs	2 205 578,86 EUR	0 EUR
	All TSOs costs	44 602,50 EUR	0 EUR
	All NEMOs and all TSOs costs	978 813,56 EUR	0 EUR
Intraday related common cost	All NEMOs costs	911 197,80 EUR	577 000,00 EUR
	All TSOs costs	435 500 EUR	404 882,00 EUR
	All NEMOs and all TSOs costs	6 426 921,75 EUR	1 150 150,24 EUR

SDAC

2.a) The all NEMOs costs of establishing and amending the SDAC consists of:

- ❖ Interim NEMO Committee costs in the amount of 252 577,8 EUR
- ❖ All NEMOs PMO and WG support in the amount of 1 953 001,06 EUR

as further detailed below

- 50% of all costs forecasted for 2018 for Interim NEMO Committee in its tasks of preparation of CACM methodologies and proposals in total of 252 577,8 EUR

Category	Budget 2018 (EUR)
Chairman	70 970,6
PMO and administrative costs	157 469,4
Legal Task Force	49 499,6
Cost Task Force	37 647,5
MCO Plan Task Force	0
Procurement Task Force	10 000
Back-up Methodology Task Force	16 788,8
Technical Task Force	87 779,7
Exceptional contingency	75 000
Total SUM	505 155,6

- *Respective costs attributable to all NEMOs for establishment and amendment of SDAC algorithm and MCO Function System for 2018 in total 1 953 001,06 EUR*

Category	Budget 2018 (EUR)
Total Maintenance Contract Fee	662 897,56
Total Administrative Fee	284 055,50
Total Leader Remuneration Fee	305 550,00
PMB development	174 300,00
Euphemia development	673 148,56
Communication WG tasks	7 955,00
Procedural WG tasks	17 482,50
Governance WG tasks	175 375,00
Exceptional contingency	223 425,50
Total SUM	1 953 001,06

2.b) There were no costs budgeted as NEMOs only costs of operating the SDAC in 2018 due to the fact that SDAC is not yet considered operational during 2018.

2.c) The all TSOs costs of establishing and amending the SDAC consist of:

Category	Budget 2018 (EUR)
Update/Replacement/Extension TCDA (Legal services provided by Bernard Energy)	12 602,50
Update/Replacement/Extension TCDA (PMO Support provided by E-Bridge).	32 000,00
Total SUM	44 602,50

2.d) There were no costs budgeted as NEMOs only costs of operating the SDAC in 2018 due to the fact that SDAC is not yet considered operational during 2018.

2.e) The join all TSOs and all NEMOs costs of establishing and amending the SDAC consists of:

- ❖ 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 in the amount of 571 188,56 EUR
- ❖ Costs resulting from drafting of the Day Ahead Operational Agreement in the amount of 114 000 EUR
- ❖ Costs of joint governance activities related to SDAC to the benefit of all Parties or all NEMOs or all TSOs participating in the SDAC in the amount of 193 625 EUR

- ❖ **Costs related to development and user training of Simulation Facility in the amount of 100 000 EUR**

2.f) There were no costs budgeted as joint NEMOs and TSOs costs of operating the SDAC in 2018 due to the fact that SDAC was not yet considered operational during 2018.

SIDC

2.g) The all NEMOs costs of establishing and amending the SIDC consists of:

- *50% of all costs encountered by Interim NEMO Committee in its tasks of preparation of CACM methodologies and proposals as of 14th February 2017 in total of 252 577,8 EUR*

Category	Budget 2018 (EUR)
Chairman	70 970,6
PMO and administrative costs	157 469,4
Legal Task Force	49 499,6
Cost Task Force	37 647,5
MCO Plan Task Force	0
Procurement Task Force	10 000
Back-up Methodology Task Force	16 788,8
Technical Task Force	87 779,7
Exceptional contingency	75 000
Total SUM	505 155,6

- *Respective costs attributable to all NEMOs for establishment and amendment of SIDC in total of 658 620 EUR related to:*
 - *Project management office of all NEMOs cooperation in the amount of 567 000 EUR*
 - *Development of PMI log analysis tool in the amount of 91 620 EUR*

2.h) The all NEMOs costs of operating the SIDC consist of:

Category	Budget 2018 (EUR)
PX PMO costs	77 000,00
Central Admin (PXs rotation)	428 000,00
NEMOs organization	40 000,00
PMI Log Analysis tool	31 000,00
Total SUM	577 000,00

2.i) The all TSOs costs of establishing and amending the SIDC consists of:

- *Respective costs attributable to all TSOs for establishment and amendment of SIDC related to the project management office of all TSOs cooperation in the amount of 435 500 EUR*

2.j) The all TSOs costs of operating the SIDC consist of:

Category	Budget 2018 (EUR)
Aggregated PM costs	100 500,00
ECP/MPLS	259 382,00
Central Admin (JAO)	45 000,00
Total SUM	404 882,00

2.k) The join all TSOs and all NEMOs costs of establishing and amending the SIDC consists of:

- *Costs related to establishing and amending of SIDC in 2018 in total of 6 426 921,75 EUR*

Category	Budget 2018 (EUR)
PM+PMO+Joint Groups Convenors	1 108 616,54
PM+PMO+Joint Groups Convenors (contingency)	167 040,86
AS costs	133 630,00
LIP costs	136 963,00
LIP Testing Coordination	162 000,00
Go-Live Coordinator for wave 2	30 000,00
DBAG costs - related to wave 2 LIPs	497 178,00
FR costs (2c)	68 937,00
DBAG costs - development + CRs	300 000,00
DBAG costs - CRs after go-live	900 000,00
DBAG costs - SM 2.0 and "Losses"	750 000,00
DBAG costs - hosting/maintenance	1 376 013,75
Increase hosting/maintenance once CRs during 2018 are delivered	47 000,00
Performance Improvement Investment	99 600,00
DBAG - IT contingency	649 942,60
Total SUM	6 426 921,75

2.I) The join all TSOs and all NEMOs costs of operating the SIDC consists of:

- *Costs related to operation of SIDC in 2018 in total of 1 150 150,24 EUR*

Category	Budget 2018 (EUR)
MPLC costs - DBAG side	61 764,00
"DBAG costs - hosting/maintenance (2a under XBID and FR)"	398 449,25
Increase hosting/maintenance once CRs during 2018 are delivered	47 000,00
PM+PMO+Joint Groups Convenors	131 813,68
PM+PMO+Joint Groups Convenors (contingency)	26 362,74
OPSCOM PMO	29 250,00
Settlement support costs (third party to be selected)	60 000,00
IC SPOC (ICCC)	294 000,00
Contingency	101 510,58
Total SUM	1 150 150,24

B. Regional costs resulting from activities of NEMOs or NEMOs and TSOs cooperating in a certain region

Following projects where NEMOs or TSOs cooperating in certain region in line with CACM Article 80 (2)(b) were recognized in 2017:

Day-ahead regional projects	Intraday regional projects
1 CWE project	13 LIP 1 – Nordic project
2 CORE project	14 LIP2 – Kontek project
3 Nordic project	15 LIP 3 - DK1/DE, DE/NL project
4 SE-PL-LT project	16 LIP 4 – NorNed project
5 Italian Borders Working Table project	17 LIP 5 – FR/DE, CH/DE, CH/FR, DE/AT project
6 MRC project	18 LIP 6 – NL/BE project
7 GR-BG border project	19 LIP 8 – FR/BE project
8 4M MC project	20 LIP 9/12 – FR/ES, ES-PT project
9 SEM-GB project	21 LIP 13 – BaltLIP project
10 Nordic MNA project	22 LIP 14 – XBID + CRIDA project
11 Poland MNA project	23 LIP 15 project
12 Baltic MNA project	24 LIP 16 project
	25 GR- BG border Intraday project

Regional projects of the Day Ahead Timeframe

1. CWE project (DA) – including CWE and DE-AT-LU MNA projects

Specific regional sharing key

- i. Actual costs for 2017 (from 14th February 2017)

Following table provides overview of total actual common costs in 2017 (from 14th February 2017):

		Costs of establishing and amending from 14th February 2017	Costs of operating
Regional cost	NEMOs costs	0 EUR	0 EUR
	TSOs costs	0 EUR	0 EUR
	NEMOs and TSOs costs	65 178,50 EUR	0 EUR

The join TSOs and NEMOs costs of establishing and amending and costs of operating consist of:

Details	Total costs from 14th February 2017 (EUR)
MNA project PMO	28 750,00 EUR
MNA project convener	10 637,50 EUR
JSC PMO	25 791,00 EUR
Total SUM	65 178,50 EUR

ii. Forecasts for 2018

Following table provides overview of forecast of common costs for 2018:

		Budgeted costs of establishing and amending for 2018	Budgeted costs of operating for 2018
Regional costs	NEMOs costs	0 EUR	0 EUR
	TSOs costs	0 EUR	0 EUR
	NEMOs and TSOs costs	270 856,97 EUR	0 EUR

The join TSOs and NEMOs costs of establishing and amending and costs of operating consist of:

Details	Total costs for 2018 (EUR)
MNA project PMO	105 000,00 EUR
MNA test manager*	69 424,47 EUR
MNA project convener*	35 562,50 EUR
JSC PMO	60 870,00 EUR
Total SUM	270 856,97 EUR

*Estimates

2. Core project (DA)

Specific regional sharing key approved by the competent national authorities of each Member States in the region on the 5/20/2015

i. Actual costs for 2017 (from 14th February 2017)

Following table provides overview of total actual common costs in 2017 (from 14th February 2017):

		Costs of establishing and amending from 14th February 2017	Costs of operating
Regional cost	NEMOs costs	0 EUR	0 EUR
	TSOs costs	0 EUR	0 EUR
	NEMOs and TSOs costs	179 178 EUR	0 EUR

The join TSOs and NEMOs costs of establishing and amending and costs of operating consist of:

Details	Total costs from 14th February 2017 (EUR)
Convenorships	4 393
PMO	174 785
Total SUM	179 178

ii. Forecasts for 2018

Following table provides overview of forecast of common costs for 2018:

		Budgeted costs of establishing and amending for 2018	Budgeted costs of operating for 2018
Regional costs	NEMOs costs	0 EUR	0 EUR
	TSOs costs	0 EUR	0 EUR
	NEMOs and TSOs costs	114 951 EUR	0 EUR

The joint TSOs and NEMOs costs of establishing and amending and costs of operating consist of:

Details	Total costs for 2018 (EUR)
Convenorships	7 024
PMO	104 806
Legal support	1 321
External economic study	1 800
Total SUM	114 951

3. Nordic project (DA)

Specific regional sharing key

- i. Actual costs for 2017 (from 14th February 2017)

Following table provides overview of total actual common costs in 2017 (from 14th February 2017):

		Costs of establishing and amending from 14th February 2017	Costs of operating
Regional cost	NEMOs costs	0 EUR	0 EUR
	TSOs costs	0 EUR	152 500 EUR
	NEMOs and TSOs costs	0 EUR	250 000 EUR

The TSOs costs of establishing and amending and costs of operating consist of:

Details	Total costs from 14th February 2017 (EUR)
Administrative fees	2 500
Estimated total cost of the verification of market coupling results and congestion income distribution	150 000
Total SUM	152 500

The joint TSOs and NEMOs costs of establishing and amending and costs of operating consist of:

Details	Total costs from 14th February 2017 (EUR)
The estimated total cost of the Nordic regional fall-back solution that includes keeping the Nordic bidding zones coupled in case of partial or full decoupling on the MRC level	250 000
Total SUM	250 000

ii. Forecasts for 2018

Following table provides overview of forecast of common costs for 2018:

		Budgeted costs of establishing and amending for 2018	Budgeted costs of operating for 2018
Regional costs	NEMOs costs	0 EUR	0 EUR
	TSOs costs	0 EUR	162 800 EUR
	NEMOs and TSOs costs	0 EUR	265 000 EUR

The TSOs costs of establishing and amending and costs of operating consist of:

Details	Total costs for 2018 (EUR)
Administrative fees	3 800
Estimated total cost of the verification of market coupling results and congestion income distribution	159 000
Total SUM	162 800

The joint TSOs and NEMOs costs of establishing and amending and costs of operating consist of:

Details	Total costs for 2018 (EUR)
The estimated total cost of the Nordic regional fall-back solution that includes keeping the Nordic bidding zones coupled in case of partial or full decoupling on the MRC level	265 000
Total SUM	265 000

4. SE-PL-LT (possible projects on DA)

No regional costs in 2017, nor budgeted costs in 2018 for this project

5. Italian Borders Working Table (IBWT) project for Day Ahead Market

- i. Actual costs for 2017(from 14th February 2017)

Following table provides overview of total actual common costs in 2017 (from 14th February 2017):

		Costs of establishing and amending from 14th February 2017	Costs of operating
Regional cost	NEMOs costs	0 EUR	0 EUR
	TSOs costs	0 EUR	0 EUR
	NEMOs and TSOs costs	15 725 EUR	0 EUR

Join TSOs and NEMOs costs of establishing and amending	
Details	Total costs from 14th February 2017 (EUR)
Chairman PMO Other Administrative costs XX Task Force XX development Testing	15 725
Total SUM	15 725 EUR

- ii. Forecasts for 2018

Following table provides overview of forecast of common costs for 2018:

		Budgeted costs of establishing and amending for 2018	Budgeted costs of operating for 2018
Regional costs	NEMOs costs	0 EUR	0 EUR
	TSOs costs	0 EUR	0 EUR
	NEMOs and TSOs costs	18 234,06 EUR	0 EUR

budgeted join TSOs and NEMOs costs of establishing and amending	
Details	Total costs for 2018 (EUR)
Chairman IPT	9 250
Chairman TWG	8 984,06
Other Administrative costs	
XX Task Force	
Testing	
Total SUM	18 234,06 EUR

6. MRC project for Day Ahead Market

- i. Actual costs for 2017 (from 14th February 2017)

Following table provides overview of total actual common costs in 2017 (from 14th February 2017):

		Costs of establishing and amending from 14th February 2017	Costs of operating
Regional cost	NEMOs costs	0 EUR	0 EUR
	TSOs costs	0 EUR	194 923,66 EUR
	NEMOs and TSOs costs	11 694,69 EUR	342 296,79 EUR

The TSOs costs of establishing and amending and costs of operating consist of:

Details	Total costs from 14th February 2017 (EUR)
PMO - JAO fees	141 060,68
PMO - Travel and Meeting Organization Expenses	33 102,97
PMO - Consultancy Services (E-Bridge)	20 760,02
Total SUM	194 923,66

The join TSOs and NEMOs costs of establishing and amending and costs of operating consist of:

Details	Total costs from 14th February 2017 (EUR)
MRC Algorithm TF Coordination	10 406,32
Project Place MRC Users Common Costs	1 288,38
Total SUM	11 694,69

Details	Total costs from 14th February 2017 (EUR)
Legal TF	44 863,31
Secretarial Services	17 671,91
OPSCOM	
MRC Operational Report - Changes	2 717,20
Simulation Facility tool - Operational Costs	277 044,38
Total SUM	342 296,79

ii. Forecasts for 2018

Following table provides overview of forecast of common costs for 2018:

		Budgeted costs of establishing and amending for 2018	Budgeted costs of operating for 2018
Regional costs	NEMOs costs	0 EUR	0 EUR
	TSOs costs	44 602,50 EUR	261 600,00 EUR
	NEMOs and TSOs costs	407 625,00 EUR	330 857,00 EUR

The TSOs costs of establishing and amending and costs of operating consist of:

Details	Total costs for 2018 (EUR)
PMO - New TCDA Agreement	12 602,50
Legal Advisor - New TCDA Agreement	32 000,00
Total SUM	44 602,50

Details	Total costs for 2018 (EUR)
PMO - JAO fees	140 000,00
PMO - Travel and Meeting Organization Expenses	40 000,00
PMO - Consultancy Services (E-Bridge)	81 600,00
Total SUM	261 600,00

The join TSOs and NEMOs costs of establishing and amending and costs of operating consist of:

Details	Total costs for 2018 (EUR)
Simulation Facility tool - Training for Users	10 000,00
Simulation Facility tool - MNA Scope	60 000,00
Simulation Facility tool - Contingency for CR	30 000,00
MRC Algorithm TF Coordination	41 825,00
Project Place MRC Users Common Costs	1 800,00
PMO DAOA	114 000,00
Legal Support DAOA & ICG costs	150 000,00
Total SUM	407 625,00

Details	Total costs for 2018 (EUR)
Legal TF	70 000,00
Secretarial Services	45 000,00
OPSCOM	
MRC Procedures - Updates	10 000,00
MRC Operational Report - Changes	6 457,00
Simulation Facility tool - Operational Costs	199 400,00
Total SUM	330 857,00

7. GR-BG border for Day Ahead Market Coupling

No regional costs in 2017, nor budgeted costs in 2018 for this project.

8. 4MMC - regional market coupling for DA (CZ-SK-HU-RO)

Specific regional sharing key approved by the competent national authorities of each Member States in the region

i. Actual costs for 2017 (from 14th February 2017)

Following table provides overview of total actual common costs in 2017 (from 14th February 2017):

		Costs of establishing and amending from 14th February 2017	Costs of operating
Regional cost	NEMOs costs *	0 EUR	0 EUR
	TSOs costs	0 EUR	30 975 EUR without VAT **
	NEMOs and TSOs costs*	0 EUR	0 EUR

*According to agreed cost sharing approach all costs are recognised as national costs – no joint NEMO and TSO costs and no NEMO only costs of 4M MC

**Since these regional activities are not performed on CCR level as defined by decision of ACER 06/2016, we do consider that provisions of article 78 CACM for such solutions are not applicable

The TSOs costs of establishing and amending and costs of operating consist of:

TSOs costs of operating	
Details	Total costs from 14th February 2017 (EUR)
Administrative and hosting fees	
Total SUM	30 975 EUR without VAT

ii. Forecasts for 2018

Following table provides overview of forecast of common costs for 2018:

		Budgeted costs of establishing and amending for 2018	Budgeted costs of operating for 2018
Regional costs	NEMOs costs*	0 EUR	0 EUR
	TSOs costs	0 EUR	35 400 EUR without VAT**
	NEMOs and TSOs costs*	0 EUR	0 EUR

*According to agreed cost sharing approach all costs are recognised as national costs – no joint NEMO and TSO costs and no NEMO only costs of 4M MC

**Since these regional activities are not performed on CCR level as defined by decision of ACER 06/2016, we do consider that provisions of article 78 CACM for such solutions are not applicable

The budgeted TSOs costs of establishing and amending and costs of operating consist of:

budgeted TSOs costs of operating	
Details	Total costs for 2018 (EUR)
Administrative and hosting fees	35 400
Total SUM	35 400 EUR without VAT

9. SEM-GB regional project

Specific regional sharing key approved by the competent national authorities of each Member States in the region on the 6/14/2017.

- i. Actual costs for 2017 (from 14th February 2017)

Following table provides overview of total actual common costs in 2017 (from 14th February 2017):

		Costs of establishing and amending from 14th February 2017	Costs of operating
Regional cost	NEMOs costs	0 EUR	0 EUR
	TSOs costs	0 EUR	0 EUR
	NEMOs and TSOs costs	279,278 EUR	0 EUR

The join TSOs and NEMOs costs of establishing and amending and costs of operating consist of:

Details	Total costs from 14th February 2017 (EUR)
PMO	239,916
Testing	39,362
Total SUM	279,278

ii. Forecasts for 2018

Following table provides overview of forecast of common costs for 2018:

		Budgeted costs of establishing and amending for 2018	Budgeted costs of operating for 2018
Regional costs	NEMOs costs	0 EUR	0 EUR
	TSOs costs	0 EUR	10,000 EUR
	NEMOs and TSOs costs	276,881 EUR	0 EUR

The TSOs costs of establishing and amending and costs of operating consist of:

Details	Total costs for 2018 (EUR)
PMO	10,000
Total SUM	10,000

The joint TSOs and NEMOs costs of establishing and amending and costs of operating consist of:

Details	Total costs for 2018 (EUR)
PMO	216,415
Testing	60,466
Total SUM	276,881

10. Nordic MNA

Specific regional sharing key

- i. Actual costs for 2017 (from 14th February 2017)

Following table provides overview of total actual common regional costs in 2017 (from 14th February 2017):

		Costs of establishing and amending from 14th February 2017	Costs of operating
Regional cost	NEMOs costs	0 EUR	0 EUR
	TSOs costs	218 300 EUR	0 EUR
	NEMOs and TSOs costs	0 EUR	0 EUR

The TSOs costs of establishing and amending and costs of operating consist of:

Details	Total costs from 14th February 2017 (EUR)
PMO	207 300
Other Administrative costs	11 000
Total SUM	218 300

- ii. Forecast for 2018

Following table provides overview of forecast of common regional costs for 2018:

		Costs of establishing and amending for 2018	Costs of operating
Regional cost	NEMOs costs	0 EUR	0 EUR
	TSOs costs	290 100 EUR	0 EUR
	NEMOs and TSOs costs	0 EUR	0 EUR

The TSOs costs of establishing and amending and costs of operating consist of:

Details	Total costs for 2018 (EUR)
PMO	271 000
Other Administrative costs	19 100
Total SUM	290 100

11. Poland MNA

No regional costs in 2017, nor budgeted costs in 2018 for this project.

12. Baltic MNA

No regional costs in 2017, nor budgeted costs in 2018 for this project.

Regional projects of the Intraday Timeframe

13.LIP 1 – Nordic:

Involved parties: Fingrid, EnDK, SvK, Statnett, Nord Pool, EPEX
 This project has a specific regional sharing key approved by the competent national authorities of each Member States in the region

i. Actual costs for 2017 (from 14th February 2017)

Following table provides overview of total actual common costs in 2017 (from 14th February 2017):

		Costs of establishing and amending from 14th February 2017	Costs of operating
Regional cost	NEMOs costs	0 EUR	0 EUR
	TSOs costs	69,405 EUR	0 EUR
	NEMOs and TSOs costs	0 EUR	0 EUR

The TSOs costs of establishing and amending and costs of operating consist of PMO costs

ii. Forecasts for 2018

Following table provides overview of forecast of common costs for 2018:

		Budgeted costs of establishing and amending for 2018	Budgeted costs of operating for 2018
Regional costs	NEMOs costs	0 EUR	0 EUR
	TSOs costs	15,094 EUR	0 EUR
	NEMOs and TSOs costs	0 EUR	0 EUR

The TSOs costs of establishing and amending and costs of operating consist of PMO costs

14.LIP 2 – Kontek:

Involved parties: EnDK, 50Hz, Nord Pool, EPEX
 This project has a specific regional sharing key.

i. Actual costs for 2017 (from 14th February 2017)

Following table provides overview of total actual common costs in 2017 (from 14th February 2017):

		Costs of establishing and amending from 14th February 2017	Costs of operating
Regional cost	NEMOs costs	0 EUR	0 EUR
	TSOs costs	32 329,58 EUR	0 EUR
	NEMOs and TSOs costs	0 EUR	0 EUR

The TSOs costs of establishing and amending and costs of operating consist of PMO costs

ii. Forecasts for 2018

Following table provides overview of forecast of common costs for 2018:

		Budgeted costs of establishing and amending for 2018	Budgeted costs of operating for 2018
Regional costs	NEMOs costs	0 EUR	0 EUR
	TSOs costs	20 000 EUR	0 EUR
	NEMOs and TSOs costs	0 EUR	0 EUR

The budgeted TSOs costs of establishing and amending and costs of operating consist of PMO costs

15. LIP 3 – DK1/DE, DE/NL:

Involved parties: EnDK, TenneT NL& DE, Amprion, EPEX, APX/Belpex, Nord Pool

This project has a specific regional sharing key (each of the four TSO parties 25%).

i. Actual costs for 2017 (from 14th February 2017)

Following table provides overview of total actual common costs in 2017 (from 14th February 2017):

		Costs of establishing and amending from 14th February 2017	Costs of operating
	NEMOs costs	0 EUR	0 EUR

Regional cost	TSOs costs	205 850 EUR	0 EUR
	NEMOs and TSOs costs	0 EUR	0 EUR

The TSOs costs of establishing and amending and costs of operating consist of PMO costs

ii. Forecasts for 2018

Following table provides overview of forecast of common costs for 2018:

		Budgeted costs of establishing and amending for 2018	Budgeted costs of operating for 2018
Regional costs	NEMOs costs	0 EUR	0 EUR
	TSOs costs	48 700 EUR	0 EUR
	NEMOs and TSOs costs	0 EUR	0 EUR

The budgeted TSOs costs of establishing and amending and costs of operating consist of PMO costs

16. LIP 4 – NorNed:

Involved parties: Statnett, TenneT NL, APX/Belpex, Nord Pool.

No regional costs in 2017, nor budgeted costs in 2018 for this project.

17. LIP 5 – FR/DE, CH/DE, CH/FR, DE/AT:

Involved parties: Amprion, TransnetBW, APG, RTE, Swissgrid, EPEX, Nord Pool, Tennet DE.

No regional costs in 2017, nor budgeted costs in 2018 for this project.

18. LIP 6 – NL/BE:

Involved parties: Elia, TenneT NL, APX/Belpex, Nord Pool

Specific regional sharing key equal share between TSOs

i. Actual costs for 2017 (from 14th February 2017)

Following table provides overview of total actual common costs in 2017 (from 14th February 2017):

		Costs of establishing and amending from 14th February 2017	Costs of operating
Regional cost	NEMOs costs	0 EUR	0 EUR
	TSOs costs	54 358,79 EUR	0 EUR
	NEMOs and TSOs costs	0 EUR	0 EUR

The TSOs costs of establishing and amending and costs of operating consist of:

Details	Total costs from 14th February 2017 (EUR)
PMO	€ 54 050
Expenses	308,79
Total SUM	€ 54 358,79

ii. Forecasts for 2018

Following table provides overview of forecast of common costs for 2018:

		Budgeted costs of establishing and amending for 2018	Budgeted costs of operating for 2018
Regional costs	NEMOs costs	0 EUR	0 EUR
	TSOs costs	50 000 EUR	0 EUR
	NEMOs and TSOs costs	0 EUR	0 EUR

The budgeted TSOs costs of establishing and amending and costs of operating consist of PMO costs and rollback costs

19.LIP 8 – FR/BE:

Involved parties: RTE, Elia, APX/Belpex, EPEX, Nord Pool
Specific regional sharing key equal share between TSOs

i. Actual costs for 2017 (from 14th February 2017)

Following table provides overview of total actual common costs in 2017 (from 14th February 2017):

		Costs of establishing and amending from 14th February 2017	Costs of operating
Regional cost	NEMOs costs	0 EUR	0 EUR
	TSOs costs	38 047,25 EUR	0 EUR
	NEMOs and TSOs costs	0 EUR	0 EUR

The TSOs costs of establishing and amending and costs of operating consist of:

Details	Total costs from 14th February 2017 (EUR)
PMO	37950 EUR
Expenses	124,25 EUR
Total SUM	€ 38 074,25

ii. Forecasts for 2018

Following table provides overview of forecast of common costs for 2018:

		Budgeted costs of establishing and amending for 2018	Budgeted costs of operating for 2018
Regional costs	NEMOs costs	0 EUR	0 EUR
	TSOs costs	45 000 EUR	0 EUR
	NEMOs and TSOs costs	0 EUR	0 EUR

The budgeted TSOs costs of establishing and amending and costs of operating consist of PMO costs and rollback costs

20. LIP 9/12 – FR/ES, ES-PT:

Involved parties: RTE, EPEX, Nord Pool, OMIE, REE, REN
Specific regional sharing key

i. Actual costs for 2017 (from 14th February 2017)

Following table provides overview of total actual common costs in 2017 (from 14th February 2017):

		Costs of establishing and amending from 14th February 2017	Costs of operating
Regional cost	NEMOs costs	0 EUR	0 EUR
	TSOs costs	0 EUR	0 EUR
	NEMOs and TSOs costs	127 417,17 EUR	0 EUR

The joint TSOs and NEMOs costs of establishing and amending and costs of operating consist of PMO services.

ii. Forecasts for 2018

Following table provides overview of forecast of common costs for 2018:

		Budgeted costs of establishing and amending for 2018	Budgeted costs of operating for 2018
Regional costs	NEMOs costs	0 EUR	0 EUR
	TSOs costs	0 EUR	0 EUR
	NEMOs and TSOs costs	8 791,24 EUR	0 EUR

The joint TSOs and NEMOs budgeted costs of establishing and amending and costs of operating consist of PMO services.

21. LIP 13 – BaltLIP:

Involved parties: Elering, Litgrid, AST, Fingrid (Estlink), Svenska Kraftnät (NordBalt), Nord Pool
Specific regional sharing key.

i. Actual costs for 2017 (from 14th February 2017)

Following table provides overview of total actual common costs in 2017 (from 14th February 2017):

		Costs of establishing and amending from 14th February 2017	Costs of operating
Regional cost	NEMOs costs	6 227 EUR	0 EUR
	TSOs costs	18 680 EUR	0 EUR
	NEMOs and TSOs costs	24 907 EUR	0 EUR

The NEMOs costs of establishing and amending and costs of operating consist of:

Details	Total costs from 14th February 2017 (EUR)
PMO	6 227
Total SUM	6 227

The TSOs costs of establishing and amending and costs of operating consist of:

Details	Total costs from 14th February 2017 (EUR)
PMO	18 680
Total SUM	18 680

The join TSOs and NEMOs costs of establishing and amending and costs of operating consist of:

Details	Total costs from 14th February 2017 (EUR)
PMO	24 907
Total SUM	24 907

ii. Forecasts for 2018

Following table provides overview of forecast of common costs for 2018:

		Budgeted costs of establishing and amending for 2018	Budgeted costs of operating for 2018
Regional costs	NEMOs costs	1 230 EUR	0 EUR
	TSOs costs	4 112 EUR	0 EUR
	NEMOs and TSOs costs	5 342 EUR	0 EUR

The NEMOs costs of establishing and amending and costs of operating consist of:

Details	Total costs for 2018(EUR)
PMO	1 230
Total SUM	1 230

The TSOs costs of establishing and amending and costs of operating consist of:

Details	Total costs for 2018 (EUR)
PMO	4 112
Total SUM	4 112

The join TSOs and NEMOs costs of establishing and amending and costs of operating consist of:

Details	Total costs for 2018 (EUR)
PMO	5 342
Total SUM	5 342

22.LIP 14 – XBID + CRIDA:

Involved parties: Italy – Slovenia – Austria – France

The project is temporarily stopped, there is no regional costs in 2017, nor budgeted costs for 2018.

23. LIP 15:

Default CACM sharing key.

No incurred regional costs in 2017

i. Forecasts for 2018

Following table provides overview of forecast of common costs for 2018:

		Budgeted costs of establishing and amending for 2018	Budgeted costs of operating for 2018
Regional costs	NEMOs costs	0 EUR	0 EUR
	TSOs costs	0 EUR	0 EUR
	NEMOs and TSOs costs	18 200 EUR	0 EUR

The joint TSOs and NEMOs costs of establishing and amending and costs of operating consist of:

TSOs and NEMOs costs of establishing and amending	
Details	Total costs for 2018 (EUR)
Testing	18 200
Total SUM	18 200

24. LIP 16:

Specific regional sharing key, the sharing key was reported by individual parties to their respective NRAs.

No incurred regional costs in 2017

ii. Forecasts for 2018

Following table provides overview of forecast of common costs for 2018:

		Budgeted costs of establishing and amending for 2018	Budgeted costs of operating for 2018
Regional costs	NEMOs costs	0 EUR	0 EUR
	TSOs costs	0 EUR	0 EUR
	NEMOs and TSOs costs	24 500,00 EUR	0 EUR

The join TSOs and NEMOs costs of establishing and amending and costs of operating consist of:

Budgeted costs of establishing and amending for 2018	
Details	Total costs for 2018 (EUR)
PMO	24 500,00 EU
Total SUM	24 500,00 EU

25.GR- BG border for Intra Day:

Involved parties:

There are no regional costs in 2017, nor budgeted costs for 2018.

C. National costs resulting from activities of the NEMOs or NEMOs and TSOs in that Member State.

NEMOs and TSOs reserve the right to submit directly to the relevant regulatory authority National costs resulting from activities of the NEMOs in that Member State, that are classified as sensitive commercial information.