

## **DAY-AHEAD AND INTRADAY ELECTRICITY MARKET OPERATING RULES**

**Madrid, November 12, 2019**

### **Non-binding Translation of the Market Operating Rules**

This translation has been carried out for the sole and exclusive purpose of enabling the text of the Market Operating Rules to be read in English. Under no circumstances or at any time is this text to be considered binding for the Market Operator. In the event of any discrepancies between this text and the Spanish version, the content of the Spanish version prevails under the terms described in the Resolution of October 10, 2019, of the National Commission on Markets and Competition (CNMC), published in Spain's Official State Gazette dated 21 October 2019.

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## PREFACE

I) By virtue of article 28 of the Electricity Sector Act, the Market Operator and the System Operator assume the functions required to perform the financial management applied to the effective development of the electricity production market and, in particular, to guarantee technical management of the electricity system. Article 29 entrusts the Market Operator with the management of electrical energy purchase and sale bids on the day-ahead and intraday markets.

II) Current legislation states that producers, retailers, and consumers, representatives are to meet the following requirements in order to take part in the day-ahead production market:

a) Adhering expressly to the operation and settlement rules and conditions of the day-ahead production market, which involves the day-ahead and intra-day-ahead sessions, by means of an adhesion contract, which will be a single contract, needing the approval of the Ministry for Industry, Energy and Tourism, (today the Ministry for Energy, Tourism and the Digital Agenda), and following a favourable report from the National Commission for Markets and Competition.

b) Provide the Market Operator with a guarantee sufficient to cover financial obligations which could arise from actions as an agent on the day-ahead production market, in the terms set out in the adhesion contract.

III). To manage the system of electricity sale and purchase bids on day-ahead and intraday markets considered in Section 1 above, it is necessary to establish these Governing Rules of the Market. These rules fulfil the mandate of Law 24/2013, of 26 December, on the Electricity Sector and Royal Decree 2019/1997, of 26 December, organising and regulating the electricity production market, and buyers and sellers expressly adhere to these in the electricity production markets through subscription to the corresponding Contract of Adherence.

IV) In accordance with article 2 of Royal Decree 2019/1997 the electrical energy production market is divided into the futures market, day-ahead market, intraday market, non-organized markets and system adjustment services market, with the latter being understood as the resolution of supply security restrictions and system technical restrictions, ancillary services and detour management. Market agents act as buyers and sellers on the day-ahead and intraday markets. Moreover, as subjects of the production market, they can sign bilateral contracts; they can intervene in the futures market, in non-organized markets and sign bilateral contracts. Finally, agents can also offer solutions for technical restrictions, on the ancillary services market and detour management, under the terms established in the System Operation Procedures.

V). Article 5 of Royal Decree 2019/1997 provides that the Market Operator will carry out its functions in coordination with the Spanish System Operator. This coordination, in conformity with the Electricity Sector Act can, likewise, refer to the conditions which the Market Operator and the Spanish System Operator jointly decide on to carry out energy settlement and payment operations, which will be public, transparent and objective, and which should be followed by producers, retailers and direct market consumers.

VI). The International Collective Agreement relating to an Iberian electricity market between the Kingdom of Spain and the Republic of Portugal, agreed in Santiago de Compostela on 1 October 2004, regulating the Iberian electricity market (MIBEL) approved a new organisational structure by virtue of which the Iberian Market Operator (OMI) became an entity comprised of two parent or holding companies. with cross-holdings between them of 10%, and with each holding 50% of the capital of the two

market management companies; the Spanish management company OMI-Polo español S.A. (OMIE) managing the spot market and the Portuguese management company, OMI-Polo Portugués, SGMR (OMIP), operating the futures market. In addition, OMIClear is incorporated as the central counterparty entity.

Pursuant to the provisions of the aforementioned agreement, which came into force on 1 July 2011, continued progress has been made in the segregation that affects Operador del Mercado Ibérico de Energía, Polo Español, S.A., (OMEL) and which has meant the block conveyance of the branch of the business involving the operation of the electricity market, undertaken until that date by OMEL, in favour of OMI-Polo Español S.A. (OMIE).

By virtue of the above, since 1 July 2011, the company OMI-POLO ESPAÑOL, S.A.U. (OMIE), has assumed the management of the purchase and sale bids for electricity on the spot market for electricity within the sphere of MIBEL.

The futures market will include transactions relevant to power blocks delivered after the day following trading. The information sharing necessary for the integration of positions with physical delivery of the futures market on the day-ahead market will be established by an agreement reached between OMIP and OMIE.

The exchange of information between the Portuguese electricity system necessary for the implementation the market separation mechanism, established in Order ITC/843/2007, of 28 March, amending Order ITC/4112/2005, of 30 December, establishing the regime applicable for the completion of intra-community and international electricity transactions is established in the relevant agreement subscribed between the National Electricity Network (REN) and OMIE.

Commission Regulation (EU) 2015/1222 of 24 July 2015 establishing a guideline on capacity allocation and congestion management (CACM), published in the Official Journal of the European Union on 25 July 2015, includes, as one of its primary objectives the creation of single day-ahead and intra-day coupling within the ambit of the European Union. As a consequence of this regulation, on 13 May 2014, the complete coupling of the day-ahead market managed by OMIE, in the capacity of Iberian market operator through the application of the Price Coupling of Regions solution (PCR). With regard to the process of single intraday coupling, a European crossborder intraday solution has been developed which is due to enter into force soon.

Thus, the aforementioned regulation brings together a series of functions with respect to the activity of the transport agent which the market operator must develop pursuant to the provisions of Royal Decree 2019/1997, of 26 December.

The publication of Royal Decree 900/2015, of 9 October, regulating the administrative, technical and economic conditions for the supply formats of electricity with self-consumption and production with self-consumption, constituted the amendment of Royal Decree 2019/1997, of 26 December, recognising the market operator as central counterparty in purchase and sale transactions of the day-ahead production market, all in application of the provisions of Commission Regulation (EU) 2015/1222, implementation of the community regulation arising from Regulation (EC) No 714/2009 of the European Parliament and of the Council of 13 July 2009 on conditions for access to the network for the cross-border trade in electricity.

Finally, Order IET/2732/2015, of 11 December, designating as Iberian Market Operator Energía-Polo Español, SA, as designated operator for the electricity market, under the scope of the provisions of Commission Regulation (EU) 2015/1222 of 24 July 2015 establishing a guideline on capacity allocation and congestion management, has designated OMIE as designated operator of the electricity market (NEMO), under the scope of Commission Regulation (EU) 2015/1222.

## CHAPTER ONE

### GENERAL RULES

#### **RULE 1. THE PRODUCTION MARKET**

The electricity production market is organised into forward markets, day-ahead market, intraday market, adjustment and balancing services and unorganised markets.

Next-day sale and electricity purchase transactions are carried out on the Day-ahead Market. Sessions on the Day-ahead Market are structured in scheduling periods equivalent to a calendar hour, with a scheduling horizon divided into 24 consecutive schedule periods of the Central European Time (CET) (23 or 25 on days of light-saving clock changes). Physical delivery of energy negotiated on Futures Organized Markets can also take place on the Day-ahead Market.

The purpose of the Intraday Market is to attend energy offer and demand which may arise, in the hours following the Day-ahead Viability Schedule.

The Services Adjustment Market includes all those services of an optional nature which the Market Operators deems necessary to ensure the system's operation, including the Resolution of system technical restrictions, ancillary services and detour management.

#### **RULE 2. THE DAY-AHEAD AND INTRADAY MARKET OPERATOR**

OMI-Polo Español S.A. (OMIE), as designated operator for the electricity market by virtue of Order IET/2732/2015, of 11 December, designating as Iberian Market Operator Energía-Polo Español, SA designated operator for the electricity market under the scope of the provisions of Commission Regulation (EU) 2015/1222 of 24 July 2015 establishing a guideline on capacity allocation and congestion management, is responsible for the economic management of the system of day-ahead and intraday markets. It shall receive electricity purchase and sale bids, managing same, and settling all day-ahead and intraday market transactions.

OMIE will act as counterparty in transactions carried out in day-ahead and intraday markets from the moment matchings and the corresponding continuous intraday market transactions considered final.

In compliance with its role as central counterparty, OMIE shall assume the obligations arising from the different operations, proceeding as purchaser as regards the seller and as seller as regards the purchaser according to the terms laid down herein.

The market operator shall, therefore, receive, from system operators, notification of bilateral contracts for the corresponding verifications in material terms to market bids. The specific regulation and functions, in the case of the market operator and the system operator, are contained in Law 24/2013, of 26 December, on the Electricity Sector, and Royal Decree 2019/1997, of 26 December, organising and regulating the electricity production market.

#### **RULE 3. SCOPE OF THE MARKET RULES AND PURPOSE OF THE ADHESION CONTRACT.**

In compliance with the provisions of Royal Decree 2019/1997 of 26 December 1997, Market Operating Rules contain the procedures and terms of a general nature that are necessary for the effective development of the day-ahead and intraday electricity production market and, specifically, for the financial management of the day-ahead and

intraday markets and the participation in those markets of the individuals who carry out activities whose objective is the supply of electrical power, as well as direct consumer market, and, in particular, regarding:

a) The definition, development and operation of the computer systems required to guarantee transparency in transactions which take place in the electricity production market, which include:

- The issuing of electricity sale and purchase bids;
- The matching procedure in the day-ahead and intraday market auctions, electricity purchase and sale bids;
- The procedure for management of transactions completed in the continuous intraday market, the electricity purchase and sale bids.
- The physical delivery process of energy negotiated in futures contracts whose owners require this and, especially, in the case of energy originating from entities regarded under the international convention on the Iberian market;
- The determination and communication to system operators, with the corresponding confidentiality, of the data relating to the results of the matching of bids in the day-ahead and intraday markets, and to agents, of data corresponding to sale and acquisition units;
- The determination and communication to market agents and system operators of marginal prices of electricity, negotiated volumes and public information considered relevant in the day-ahead market and in sessions of the intraday auctions market;
- The determination and communication to market agents and system operators of reference prices of electricity, negotiated volumes and public information considered relevant, in the continuous intraday market;
- The determination and publication of Indices of average prices on hourly basis of the day-ahead and intraday auctions market;
- Communication to agents of the Final Feasible Day-ahead Schedule (PDVD as per the Spanish) and the Final Hourly Schedule (PHF as per the Spanish) arising from each session of the intraday auctions market and continuous intraday results schedule, of the data corresponding to the sale and acquisition units as the basis of participation in the subsequent session of the intraday auction market or continuous intraday market;
- The settlement and reporting of payments and collections that must be made in accordance with the prices of electricity on the day-ahead and intraday markets;
- The procedure for validating the acceptance of purchase bids with the guarantees deposited;
- The publication of the day-ahead and intraday auctions markets aggregate supply and demand curves with explicit splitting of each of the points that configure the said curves;
- The publication of sales capacities, as well as intra-community and international border exchanges;
- The publication of the results of the power production schedules of the day-ahead and intraday markets, aggregated by agent and calendar month, once a month has passed since the last day of the month referred to;
- The publication of the bids placed by the market agents that have entered the matching process, on the day-ahead and intraday auctions markets, after 90 days have passed.

– The publication of bids sent to the European Continuous Contracting Platform, once ninety days have passed.

b) The terms of Adherence to the Electricity Market Operating Rules of the day-ahead and intraday electricity production markets.

c) The procedure to follow in the event that agents who purchase electricity on the market fail to meet payment commitments, as well as reports which should be made in these cases to consumers and different market agents.

d) The procedure to follow in reports on addition and withdrawals of market agents by those taking part in the day-ahead and intraday electricity production markets.

e) The specification of the guarantees provided by agents for their participation in market processes.

f) The settlement and reporting to agents of payments and charges which should be carried out in their operations as a result of the price of energy of the day-ahead and intraday markets.

g) Reporting behaviour contrary to the correct operation of the day-ahead and intraday markets of electric in power production to competent authorities, as well as reporting situations which could be anomalous, bearing mind information put at the disposal of the Market Operator.

h) The review process of the day-ahead and intraday Electricity Market Operating Rules.

i) Publication of the final cost of the energy and the components of the end cost in aggregate and for each type of consumer.

## CHAPTER TWO PARTICIPANTS

### **RULE 4. DAY-AHEAD AND INTRADAY MARKET AGENTS.**

#### **4.1 ENTITIES THAT MAY BE PRODUCTION MARKET AGENTS.**

Entities participating in the supply of electricity listed below may be agents of the market.

Electricity producers: natural or legal persons who have the function of generating electricity, along with who construct, operate and maintain the production facilities.

Retailers: trading companies or corporate companies of consumers or users who, accessing transport or distribution network, acquire electricity for sale to consumers, to other entities in the system or for international exchange transactions under the terms established in Law 24/2013 of 26 December.

Reference retailers: retailers who have the functions established by the regulation, among others the sale to final consumers at voluntary prices to the small consumer.

Direct market consumers: consumers who acquire electricity directly on the production market.

Representatives: agents who act on the part of any entity for the purposes of participating in the production market and the collections and payments of tolls, fees, prices and regulated remunerations. Third party representation may be indirect, where the representative acts in their own name, or direct, where the representative acts in the name of the represented party. In cases of indirect representation, the effects of the legal business performed by the representative shall be directly attributable to same, without prejudice to the internal relationship they may have with represented party.

#### **4.2 ACQUIRING THE CONDITION OF MARKET AGENT**

In order to acquire the status of market agent, producers, retailers, direct market consumers and representatives defined in section 4.1 above are to have met the following requirements:

- Be properly recorded in the Administrative register for electricity generation facilities (Administrative Register of Electricity Production Facilities), or in the case of retailers, and direct market consumers, have submitted due notification of the start of their operations as appropriate or provide proof of the status as representative of any one of the preceding parties. In order to confirm their status as market agents of these parties, the agents are to provide proof of such status through the corresponding notarial deed, as well as declare whether they are acting on their own behalf or that of others.
- Have acquired the status of participant in the electricity system.
- Have expressly adhered to the rules and conditions regulating operation and settlement in the day-ahead and intraday electricity production market in the relevant adhesion contract.
- Have submitted a valid agent code to the Market Operator, associated to a Spanish Tax Number (NIF) that does not belong to any other market agent. Each market agent is to have its own NIF, and each NIF will correspond to a single market agent.

Once all the requirements for the acquisition of Market agent status have been met, the Market Operator will proceed, in the two working days following the fulfilment of this condition, to finalize the registration process on the Market Operator's Computer System, and the agent will acquire the right to operate on the third subsequent working day for markets and sessions held after 10.00 am on this date.

The process of registering agents requires notification to be made of the email addresses for the communications between the Market Operator and the agent, and distinguishing between the different market activities as stated in the registration process. The Market Operator is to ensure all the email addresses provided remain active unless they have been removed from the agent's email provider and remain inactive for at least three months with no notification from the agent, in which case they will no longer be considered contact addresses for the market.

### **4.3 AGENTS ENTITLED TO PHYSICAL DELIVERY**

Energy traded on futures markets, whose settlement by physical delivery is requested by its owner, may be integrated into the day-ahead production market, especially in the case of energy coming from organisations included in the International Agreement regarding the creation of an Iberian Electricity Market.

Agents on the futures market capable of physical delivery will be those agents on the market which are also physical settlement agents in the futures market or those who have a contract with a physical settlement agent on the futures market.

## **RULE 5. SELLERS.**

The price of 0 EUR/MWh is established as the instrumental price of sale bids for day-ahead and intraday markets.

### **5.1 DAY-AHEAD MARKET.**

The following are sellers in the day-ahead market:

- a) The owners of those production units recorded in the administrative register for electricity generation facilities.
- b) Retailers who sell electricity systems from countries outside the European Union whose participation as sellers in the day-ahead and intraday electricity markets is authorised.
- c) Retailers and direct consumers who have entered an energy acquisition contract with companies authorised for the sale of electricity in European Union or third party countries, along with domestic electricity producers.
- e) Producing entities, retailers and others who act as representative agents of the above mentioned parties.

Sellers of electricity in the day-ahead market shall present the sale bids to the market operator for each of the sale units they hold and for the schedule periods of the same daily horizon of schedule in the day-ahead market.

Holder of production units referred to in letter a) above shall be required to present sales bids for the electricity to the market operator for each one of said units of production they hold for each and all of the schedule periods of the same daily horizon of a schedule, up to the limit of their production capacity, except where the circumstance provided for in Article 25 of Law 24/2013, of 26 December, and where they have not joined bilateral contracting systems which, by their nature, are excluded from the bids system.

The retailers referred to in letter b) above may participate as sellers in accordance with the Ministerial Order.

Retailers, referred to in letter c) above, may present electricity sales bids for energy acquired in said contracts for schedule periods in or the corresponding day-ahead horizon, or sell said energy to consumers.

Retailers and direct consumers, referred to in letter d) above, may not present a bid on the sale of energy until the publication of the order of the Ministry of Energy, Tourism and Digital Agenda referred to in Article 3 of Royal Decree 1623/2011, of 14 November.

The agents representing those referred to in letter e) above may present electrical energy sales bids for those periods of programming on a same day-ahead horizon of a schedule considered appropriate or providing notification of the execution of a bilateral contract.

The owners of units referred to in sections a) to d) above who are authorized to give notification of the use of capacity rights, or execute firm bilateral contracts prior to the opening of the day-ahead market, may operate in the execution of contracts associated with these processes with a generic schedule unit, on the Portuguese and/or Spanish electricity system, as applicable.

For each hour where the net balance of the generic schedule unit is a purchaser on the bilateral markets and notifications on capacity use before the day-ahead market opens in which the generic schedule unit takes part, this balance will be the maximum that can be sold on the day-ahead market by the generic sales production unit.

The owners described in sections a) to d) above, who can sell energy with the generic sales Production unit, should take part in sale bids to said unit for said purchase balance, with the exception of the amount of energy to which this unit commits in bilateral contracts which do not precede the opening of the day-ahead market.

Agents may request, from the Market Operator, the submission of a complex condition of indivisible bid, with a single block bid in their name at an instrumental price to the generic sales production unit for the balance described. The offer will be created for each session of the day-ahead market at the time information on firm bilateral contracts before the day-ahead market opens is received and published on the Market Operator's system. If, at the time this information on firm bilateral contracts prior to the opening of the day-ahead markets is received, the agent has already submitted a bid from the generic sales production unit for the day-ahead market session, the bid will not be created in its name. Once the bid has been created in the name of the agent and, up until the deadline for the receipt of bids to the day-ahead market session, the agent may manage its bid like any other bid, and it is entitled to cancel it or submit another valid bid from the generic sales production unit, which will replace the last bid submitted, including the bid submitted in its name.



## **5.2 INTRADAY MARKETS.**

All agents of the production market may present electricity sales bids on the intraday markets.

Agents who own bidding units generically for sale which, due to an error in their management of said units, do not have a null schedule in the Base Functioning Schedule, must participate in intraday markets to reduce the schedule unit they obtain a final null schedule.

## **RULE 6. BUYERS.**

The instrumental prices of purchase bids, referred to in Section 1 of Article 9 of Royal Decree 2019/1997, of 26 December, for day-ahead and intraday markets, is 180.3 EUR/MWh.

### **6.1 DAY-AHEAD MARKET.**

The following are buyers in the day-ahead market:

a) Retailers, direct consumers in the market, who are authorised to buy. Electricity production facilities authorised to buy and registered on the corresponding registry are also buyers.

b) Retailers may present electrical purchase bids.

c) Retailers who purchase electrical systems in countries that are not part of the European Union may participate as buyers in accordance with ministerial authorisation.

d) Producing entities, retailers and others who act as representative agents of the above mentioned parties.

Members who hold units are authorised to notify the use of capacity rights or execute firm bilateral contracts in the day-ahead market, may operate for the execution of contracts associated with said process with a generic schedule unit in the Portuguese and/or Spanish electricity system, where relevant.

Every hour in which the net balance of the generic schedule unit is a seller in bilateral contracts and notifications of use of capacity prior to the opening of day-ahead markets in which said generic schedule unit participates, said balance will be the maximum that may be purchased in the day-ahead market by the generic bid unit

Agents who buy electricity with a generic bid acquisition unit must participate with purchase bids of said unit by said seller balance, except the committed electricity volume for this unit in bilateral contracts not prior to the opening of the day-ahead market.

Agents may request of the market operator the presentation in their name of a simple bid at an instrumental price, of the generic bid acquisition unit, for said balance. The bid must be created for each session of the day-ahead market, at the moment the firm bilateral contract information is received and published in the market operator system at day-ahead market prices. If at the time of receiving said information on the firm bilateral contracts prior to the opening of the day-ahead market, a generic acquisition bid has already been lodged by an agent, the bid will not be created in their name. Once created

in the name of an agent, and until closure of receipt of bids for the day-ahead market session, the agent may manage their bid like any other, with the option to cancel or it present another valid bid at a generic unit acquisition price which replaced the last one presented, including that presented in their name.

## **6.2 INTRADAY MARKETS.**

All agents of the production market may present electricity sales bids on the intraday markets.

Agents who own bidding units generically for sale which, due to an error in their management of said units, do not have a null schedule in the Base Functioning Schedule (PDBF as per the Spanish), must participate in intraday markets to reduce their schedule until they obtain a final null schedule.

### **RULE 7. TERMS OF ADHERENCE TO THE OPERATIONAL RULES OF THE DAY-AHEAD AND INTRADAY ELECTRICAL ENERGY MARKETS**

1. The participation of buyers and sellers in the electricity production market is predicated on their obligatory commitment to observe these Market Operating Rules as well as the rest of the requirements established in them and in the regulations in force.

2. The buyers and sellers who wish to operate in the electricity production market shall request authorization to do so from OMI, Polo Español S.A. (OMIE).

3. Applicants are to submit the following documents:

- Document certifying, with sufficient reliability, the legal capacity and powers of the person signing the application as well as the individual who will eventually sign the Contract of Adherence.

- Taxpayer Identification Number of the entity submitting the application.

- Documentation required by the Market Operator to allow the action and effective participation of the applicant on the said market, among others, and to name a few examples, the contact people for the various Market Operator Units, data on production, sales, purchase and physical units, settlement and billing data, technical and communication data, indicating the characteristics of the future agent's IT system to access the Market Operator's system.

- Any other documentation that may be required in accordance with the applicable regulations, especially documents relative to authorizations by government bodies and registrations in any registers that may be necessary.

The Market Operator will implement an electronic procedure for the drafting of the required documents.

With the intention of making the delivery of the said documents easier the Market Operator will publish an electronic document entitled "Market Access Guide" on its website where it will include models to be provided and the documents to be submitted.

4. In the case of actions conducted through the figure of a representative, said representative is to prove their status as such by presenting the corresponding power of attorney that is to specify whether the representative is acting on behalf of a third party and in the name of the party represented, or whether the representative is acting on behalf of a third party, but in the representative's own name.

In the case of use of the representative figure, their scope of action shall cover representation of all activities and activities of the represented party in the market, without permitting the activity of more than one representative per party or the action of a represented party and their representative simultaneously.

Those representatives, who are acting on behalf of third parties, but in their own name, are to subscribe to these Rules and acquire the status of day-ahead production market agent.

In the case of those representatives who are acting on behalf of third parties and in the name of the party represented, the latter is to subscribe to these Rules and acquire the status of market agent. The representative may choose whether or not to acquire said status.

In addition to the above, application is to be made of the provisions of any applicable legislation regarding whatsoever restrictions affecting the representation.

The owners of facilities involving sources of renewable energy (except for those that are part of a hydro management unit), high-efficiency cogeneration and wastes that are represented by an agent acting on their own behalf shall be understood as adhering to these Rules through the acceptance hereof by said agent.

The owners of production facilities with non-renewable energy sources that are not part of a hydro management unit, high-efficiency co-generation or wastes, may access the market through a common representative. In any case, these common representatives will not be able to group production units together under any circumstances.

An individual or corporate entity will not be able to act as a common representative (with ordinary faculties) of a market agent when there is a conflict of interests or when free competition is put at risk, or when this damages the electricity production market. In particular, they will not be able to carry out the following actions.

- A same representative will not be able to act on behalf of two or more dominant operators in the electrical sector.

- A same representative will not be able to act on behalf of two or more main operators in the electrical sector.

- An ordinary representative which is a dominant operator will only be able to represent productions installations which it owns a direct or indirect stake in, which is over 50 per cent of its capital.

- An ordinary representative which is a main operator will only be able to represent productions installations which it owns a direct or indirect stake in, which is over 50 per cent of its capital. This restriction will not apply to those electricity production facilities involving renewable sources that are not part of a hydro management unit, high-efficiency co-generation or wastes.

In accordance with the provisions of article 13.7 of Royal Decree 244/2019, of April 5, which regulates the administrative, technical and economic conditions of the self-consumption of electric energy, to the management and sale of energy from facilities of production close to those of consumption and associated to them in the cases of supply with self-consumption with surpluses made with renewable generation technologies, the limitations provided in articles 53.5 and 53.6 of Royal Decree 413/2014, of June 6<sup>th</sup> will not be applicable.

The owner of production facilities with renewable energy sources that are not part of a hydro management unit, high-efficiency co-generation or wastes, may access the market, directly or indirectly, through a representative agent. This representative agent is entitled to submit the bids for the sum of facilities of this nature they represent, grouped into one or several sales units.

In accordance with generally applicable rules regulatory or competition authorities will be informed of those practices on behalf of representatives, whether common or qualified representative agents, which could involve practices restricting competition, abuse of a dominant position or any other possible practice which damages free competition.

5. Once the application for adherence has been submitted, the Market Operator shall confirm that the applicant has the technical means needed to carry out the activities incumbent on it as a market participant, and that it complies with the terms of issuance of electricity sale and purchase bids referred to in these Market Operating Rules. In particular, in order to formalize a Contract of Adherence, the applicant must be connected, via the communications network, to the Market Operator's computer system, and must be in possession of the type-approved means cited in these rules for sending and receiving the electronic communication required for its participation in the electricity production market. The Market Operator shall be able to establish, for the purposes of the provisions of these rules, a system of tests that the applicant must pass.

Connection to electronic communication means on behalf of the Market Operator will be given individually to the specific physical person acting in the name of the agent.

No person will be authored to act simultaneously on behalf of more than one agent in the mentioned media.

An exception from the provisions of the previous paragraph is action in the name of several agents where said agents are entities that form part of the same group of companies, as defined in accordance with the provisions of Article 42.1 of the Commercial Code. To these effects, it must present to the market operator, certification from the competent body of the companies or auditor of accounts stating said circumstance.

Another exception to the limitation of simultaneous authority is the circumstances in which the relevant provision on the electricity sector prevents the intervention of an entity such as the representative of other entities provide within the limits in which said representation is authorised.

The Market Operator will not be obliged to make information the authorized person accesses public, when this person acts on behalf of several agents for the mere reason that this person is accessing information on the various agents he is acting on behalf of.

6. When the acts and confirmations set out in the preceding paragraphs are complete, the applicant shall sign the Contract of Adherence to the Market Operating Rules, whose content (both documents) shall have been approved by the Ministry of Energy, Tourism and the Digital Agenda, and, in compliance with the provisions of Royal Decree 2019/1997, of December 26.

7. Acquiring the condition of day-ahead production market agent will occur when the Market Operator has checked compliance which each and every one of the requirements set out in article 7.1 of Royal Decree 2019/1997 of December 26.

## **RULE 8. PROVIDING GUARANTEES**

After signing the Contract of Adherence, the market participant shall provide the Market Operator with sufficient guarantee to cover the financial obligations it may contract in its operations as a purchaser in the market, according to the terms established in the Contract of Adherence and in these rules. The lack of sufficient guarantees for covering a purchase bid under the terms laid down shall entail the non-acceptance of the agent's bid. The system of guarantees shall be as laid down in these rules.

## **RULE 9. NOTIFYING ADDITIONS AND WITHDRAWALS OF BIDS UNITS BY MARKET AGENTS**

### **9.1 COMMUNICATION TO THE MINISTRY OF ENERGY, TOURISM AND DIGITAL AGENDA AND TO THE NATIONAL COMMISSION OF MARKETS AND COMPETITION.**

The Market Operator shall inform the Ministry of Energy, Tourism and the Digital Agenda, and the National Commission for Markets and Competition (CNMC) of the additions and withdrawals of all the bids units by agents in said market within a period that may not exceed fifteen working days as of the entry into force of said additions and withdrawals. Within this same timeframe, the Market Operator shall post these additions and withdrawals on its public website, specifically noting these circumstances.

Acquiring the condition of day-ahead production market agent will occur when the Market Operator has checked compliance with each and every one of the requirements set out in article 7.1 of Royal Decree 2019/1997 of December 26.

Withdrawal of the condition of day-ahead production market agent will occur when the Market Operator has verified the failure to comply with any of the requirements set out in article 7.1 of Royal Decree 2019/1997 of December 26.

### **9.2 REPORTING MARKET AGENTS' ADDITIONS AND WITHDRAWALS**

For notification purposes, the consideration of interested parties in the addition of a market agent's units applies to all market agents.

The Market Operator shall post on its public website a full list of market agents. Likewise, it shall publish a full list of the bids units of all the market agents indicating whether said production unit has been added to or withdrawn from the market.

### **9.3 NOTIFYING WITHDRAWALS OF REPRESENTATION**

The Market Operator shall notify the withdrawal of a representative agent as soon as it comes to its attention, both to the CNMC and to the corresponding reference retailer, thereby enabling it to perform its duties in representation of the generation facilities affected. If the owner of production facilities with renewable energy sources (except for those that are part of a hydro management unit), high-efficiency co-generation or wastes represented have not notified the reference retailers that they are to proceed in representation of their facilities in the event of the withdrawal of the representative of said owner, the Market Operator shall notify the withdrawal of representation to all the reference retailers in the electricity system in which the bid units under representation for such facilities are registered.

**RULE 10. SUSPENDING THE PARTICIPATION OF BIDS UNITS BY A MARKET AGENT**

In the event of the notification of the suspension of bids units of a system participant by the system's operators, the Market Operator shall proceed to the suspension of the corresponding bids units on the market as of the market sessions subsequent to said notification.

## CHAPTER THREE

### BIDS

#### **RULE 11. GENERAL CHARACTERISTICS OF BIDS**

Electricity purchase or sale bids should be presented by agents or their representative to the Market Operator for each acquisition, production or sales unit they own and for each scheduling period within a same scheduling horizon.

The said bids can be simple or complex (with conditions) depending on their content.

Simple bids are defined as those with the expression of a price and an amount of power, without including any additional complex terms to be considered in the matching process.

Complex bids are defined as those which, complying with the requirements governing simple bids, include all, some or any one of the complex conditions to be considered in the matching process.

#### **RULE 12. ADDITION OF SALES OR ACQUISITION UNITS TO THE MARKET OPERATOR'S COMPUTER SYSTEM**

The Market Operator will add sales or acquisition units to its information system with the data which the agent owner of the unit has registered with the corresponding Registry with the data on administrative authorizations, and those supplied by the unit's owner. The data regarding units stored in the Market Operator's information shall be:

- The production unit code (defined by the Market Operator).
- Description of the sales or purchasing unit.
- Type of sales or purchasing unit.
- Code of the electricity system in which the unit operates.
- Internal code of the Spanish electricity system.
- Minimum and maximum hourly power in MWh, expressed to no more than one decimal place (of each of the physical units which make it up in the case of sales units).
- Maximum rising, maximum descending gradient, in MW/minute expressed to no more than one decimal place, for sales units.
- Percentage of ownership of the holder or holders in said unit.

When the sale bid unit is in representation of electricity production facilities using renewable energy sources (except for those that are part of a hydro management unit), high-efficiency co-generation and wastes, each owner of said facilities linked to the production unit, or its representative acting in its name, and in the process of associating the facility to the production unit, is to notify the last resort retailer that is to act as its representative in the event of the suspension of the representation reported.

Facilities involving renewable energy (except for those that are part of a hydro management unit), high-efficiency co-generation and wastes may have, as of the first day of the month following the commissioning certificate, a representative other than the reference retailer corresponding to them. Those facilities without a commissioning certificate may have a representative other than the reference retailer corresponding to

them if they present their prior registration at the administrative register for electricity generation facilities.

For representatives of renewable energy facilities (except those that form part of the hydraulic management unit), high-efficiency and waste co-generation, there is the possibility of grouping bids from their representatives in such a manner that there is the possibility of a final net position of all those represented on the market.

In the case of Spain and Portugal, the code for the electricity system specifies the electricity system in which the sale or purchase of energy is to take place. In the event the units are from outside the Iberian system, which consists of the electricity systems in Spain and Portugal, the code specifies the interconnection through which the transaction is effected, and may involve import or export, and corresponds to the interconnections with the systems of France, Andorra and Morocco. Each authorised agent may define a single unit for the import or export over each one of the aforementioned frontiers.

For the interconnections between electricity systems with coordinated capacity auctions, with physical delivery, the import and export unit shall be referred to as a unit with prior rights, with there being a single unit for import and a single unit for export, for each authorised agent. The import and export units assigned with prior capacity rights cannot present bids.

There are two production zones, corresponding to Portugal and Spain. Each one of these production zones will have its own price. The production units that operate through the electricity system with Andorra and Morocco belong to the Spanish production zone.

Two generic production units will be registered on the corresponding Portuguese and/or Spanish electricity system, one for sales and the other for purchases associated with the same Generic Schedule unit, for the negotiation on the day-ahead market of energy balances before the day-ahead market opens, corresponding to primary energy issuance auctions, notification on capacity rights use, and firm bilateral contracts prior to the opening of the day-ahead market. The generic bid units cannot present bids in the continuous intraday market.

The internal code of the Spanish electricity system identifies the purchase or sale production units for the acquisition or sale of energy in the mainland electricity system or through the connection with the electricity system in the Balearic Isles.

The purchase or sale production units in the Spanish peninsular electricity system may only be associated to programming units in the Spanish peninsular electricity system, and the purchase or sales units through the connection with the electricity system in the Balearic Isles may only be associated to programming units for the purchase or sale through the connection with the electricity system in the Balearic Isles.

Each purchase or sale production unit will correspond to a programming unit, except in the case of bid units of a representative agent of facilities involving renewable energy (except for those that are part of a hydro management unit), high-efficiency co-generation and wastes, in which it will correspond to one or more programming units. A programming unit may not be associated to two bid units.

Each acquisition production unit will correspond to a programming unit, except in the case of production units for pumping consumption, in which it will correspond to one or more programming units and in the representation units of physical acquisition units when the representation is on the party's own behalf.

A bid unit of a representative in own name and on behalf of third parties may include the electricity of several represented party. A bid unit of a representative in the name and on behalf of third parties may only include the electricity of one represented party.



A bid unit must exclusively contain units that develop a single type of activity (electricity producers, retailers or direct consumers in the market).

The maximum hourly energy declared for units by the agent will be limited to the maximum value of the relevant registry, or the relevant ministerial authorization, as appropriate.

The maximum energy of a sales or buyer unit is the sum of the maximum energy declared by the agent for each and every one of the physical units which make up the said sales or buyer unit.

The maximum energy of the physical units will be limited to the maximum gross energy recorded in the administrative register for electricity generation facilities. Regarding those facilities using cogeneration or other methods for generating electricity through waste energies, the maximum power of the physical units will be limited to the maximum gross energy recorded in the administrative register for electricity generation facilities multiplied by a coefficient of 1.2.

During official testing to certify new capacity, the agent will be able to request an amount of energy above that registered in the registration of the said installation, in order to carry out the tests. The maximum energy value will be applicable for all scheduling periods of calendar days when the said tests are carried out.

Registration of a schedule unit of a participant that is a market agent will occur at the same time as the registration of a production unit of the agent. An agent on the market may not have a production unit without a schedule unit, nor a schedule unit without a production unit.

In the case of registration of a schedule unit of a subject who is not a market agent, the programming of the unit will be admissible on the third working day following receipt of the request for registration of said unit by the System Operator.

If a production unit added to the system is then withdrawn for a date by the agent owning that unit, or it remains with a null maximum power because it is not associated to any physical unit due to the request for changes in association, all the bids presented for the day-ahead market sessions will be cancelled as of the date for which the withdrawal has been requested or the unit has been left with a null maximum power. Likewise, the bid will be withdrawn by default, applying said withdrawal for the first day for which the unit has been withdrawn or has a null maximum power.

## **PORTFOLIO UNITS OR PORTFOLIO TRADING**

Agents may choose to participate in the continuous intraday market through bidding units or portfolio units. In both cases, the unit will be associated with a specific electrical system (Spain or Portugal).

Each market agent may have, upon request, a single pair of portfolio units (purchase / sale) for each type of activity and for each electrical system where the agent has two or more bidding units in the Market Operator's system.

By default, all the agent bidding units that are registered in the market information system and that share activity and electrical system with the pair of portfolio units, will be associated to the portfolio in order to receive energy in the disaggregation process. A bidding unit can only be associated with a couple of units per portfolio.

Agents will have the possibility, for each pair of portfolio units, to exclude from the association the bidding units in which they do not wish to disaggregate energy. A unit

excluded from a portfolio will be excluded from both the purchase portfolio unit and the sales portfolio unit. Agents may re-include units that were excluded.

The maximum limit of exclusion of bidding units will be such that there are never less than two bidding units in which the pair of units can be disaggregated by portfolio.

The portfolio units of the generation activity must contain two or more bidding units of generation activity, and the portfolio units of the different acquisition activities must contain two or more units of acquisition of the same activity, taking into account that the following bidding units may not be associated with a portfolio unit:

- Representation units acting in the name and on behalf of a third party.
- Import and export units with prior rights.
- Generic units.
- Reference Retailers units.
- The units belonging to the Spanish electrical system Balearic area.

Portfolio units may only participate in the continuous intraday market, not being able to participate in the auctions.

For those agents that, for proper tax allocation, OMIE needs to have the transactions made at the level of bidding unit, the agent must act in the continuous market through said bidding units (eg direct consumers in the market entitled to reduction in the electricity tax).

### **RULE 13. TIME OF PRESENTATION OF BIDS**

1. On the day-ahead market, bids should be received by the Market Operator's information servers before the period of acceptance of bids closes. Schedule of operations on the day-ahead and intraday electrical energy production markets corresponding to the day-ahead market are described in the final rules.

2. For the intraday market auctions, the Market Operator will determine the opening and closing times for presentation and acceptance of bids and this will be reported to agents. On the day-ahead market, bids should be received by the Market Operator's information servers before the period of acceptance of bids closes. Schedule of operations on the day-ahead and intraday electrical energy production markets corresponding to the intraday markets are described in the final rules and annexes.

3. The time of reception will be that indicated by the Market Operator's computer system at the time of reception.

4. For the continuous intraday markets, bids will be presented for contracts in negotiation, in the Market Operator Negotiation Platform and sent to the Continuous European Procurement Platform which will verify the receipt time in for the presentation and acceptance of bids.

### **RULE 14. PLACE OF PRESENTATION OF BIDS**

Sale bids must be received in the Market Operator's information servers before the close of the bid acceptance period, via the electronic medium that is set up and authorized for this purpose.

The electronic media available for the reception of bids from the date the Market Operating Rules comes into effect shall be one or more of the following:

- Internet Access.

- Access through leased lines, for those market participants requesting it.

The agent is responsible of the hiring, renting, maintenance and continuity of the correct operation of the media which it decides to use to access the Market Operator's Computer System and the Market Operator is not responsible for any failure outside its own information system. In particular, agent's use of automatic connection systems should be supervised by the said agents, with the Market Operator declining any responsibility for faults which are not its own.

The PC-compatible computer should be connected to the Market Operator's Computer System.

If the agent decides to connect over the Internet, it can use any media to connect to an Internet provider (ISP).

If the agent decides to install leased lines, it should contact the Market Operator's Computer Systems Directorate for technical details on installation and configuration.

The Market Operator shall be allowed to update its computer system communication media in order to add the technological advances that may emerge.

The Market Operator shall keep market agents informed at all times of any modifications it may make in its computer system.

The Market Operator may introduce restrictions on the interaction with the Market Operator Information System through computer applications, being able to impose general limits on the number of requests that applications used by market agents can make to the Operator Information System of the Market in a period of time, with the intention of preventing situations that may jeopardize the proper functioning of the market. Additionally, the market operator may restrict access to those applications used by a particular market agent that jeopardize the proper functioning of the Market Operator Information System, which will be communicated to the agent, through the contact information declared by the agent in the Market Operator Information System.

Sellers or purchasers shall transmit their electricity sale bids to the Market Operator at their own expense, and shall assume the responsibility for contracting and maintaining the communication media services they deem necessary for conveying their sale bids.

The Market Operator shall inform the sellers of the result of the verifications of their bids and of the result of matching by placing the results at their disposal in the information servers of the Market Operator's Computer System. This information shall be accessible through the media indicated above.

## **RULE 15. VERIFICATION OF SALE BIDS**

Notwithstanding verifications specific to day-ahead and intraday markets, which are detailed in the regulations of these regulatory rules, sales and purchase bids presented by agents shall be verified by the Market Operator, as a prior condition for their acceptance, in accordance with this Regulation.

Verification of bids on behalf of the Market Operator does not modify the agent's responsibility for undue offers it may have presented.

### **15.1 VERIFICATION OF THE SESSION STATUS FOR BID PRESENTATION**

The market operator will verify, at the time of the receipt of the bid in the IT system, in accordance with the time of receipt available in said information system, that this time of receipt is prior to the end of the period for the acceptance of bids and subsequent to the opening of the session in the case of the intraday auctions market and the negotiation open for programmed contracts in the continuous intraday market.

In the case of the presentation of bids by file to auction sessions, if they have begun to be received in the Market Operator Information System prior to the deadline for the receipt of bids and the format of the file is correct, the validation process will be carried out for all of the bids included in said file, considering the effects of control at the start time for receipt of the file, inserting each bid with validation result with the date and time of completion of the validation on the market operator information system.

In the case of presentation of bids on the continuous intraday market considered for verification shall be that which establishes the Continuous European Trading Platform.

### **15.2 VERIFICATION OF THE AGENT.**

The market operator shall verify:

- That the agent is registered on the Market Operator Information System and that it has not been suspended as a subject of the electricity system by the operator of the corresponding system.

- That the agent is authorised to present bids for the unit of sale or acquisition at the time of presentation of same and for the programmed period for which the bid of notification of execution of bilateral contract is presented.

- That the agent avails of sufficient guarantees for the presentation of the purchase bid. In the case of a shared ownership sales bid, it shall be verified that each of the agents have sufficient guarantees for the submission for the presentation of the purchase bid in the corresponding sum in each case.

### **15.3 VERIFICATION OF THE BID PRODUCTION UNIT**

At the moment each sale bid is submitted, the Market Operator shall verify that the installations that make up the production unit for which the bid is being submitted are registered in the Market Operator's Computer System.

Likewise, it shall verify that the production unit has not been suspended.

### **RULE 16. CONFIRMATION OF SALE BIDS**

The Market Operator will inform agents of the following:

- Automatic confirmation of the reception of electrical energy bids, using the procedures which these rules set out.

- Verification, in the terms established in these rules, of the electrical energy offer and the communication of the result of the verification.

- Acceptance of the electrical energy bid, if the result of the verification which the previous section refers to is positive or even if the inclusion of the said bid in the matching process in the case of exceeding the previous verifications before the matching process was carried out.

- Inclusion or not in the matching result and, if applicable, an explanation of the reasons for its exclusion in the terms established in these rules and when thus required.

The validation made by the market operator's system shall be considered final, even in the event of the disconnection of the agent's system before an answer to said validation has been received.

## **RULE 17. FIRM BIDS**

Energy acquisition or sale bids, which are valid and have not been substituted or annulled by sellers or buyers to the Market Operator for each of the sales or acquisition units which they own, will become firm at the time the acceptance period for bids ends.

## CHAPTER FOUR

### INFORMATION AND CONFIDENTIALITY

#### **RULE 18. CONFIDENTIALITY AND INFORMATION REPORTING**

1. The market participants undertake to maintain the confidentiality of the data relative to access to the Market Operator's computer system, to guard the computer access codes and passwords, and to notify the said Market Operator of any incident regarding information security.

2. The market and the system operators undertake to maintain the confidentiality of the information that the seller has placed at their disposal in the electricity sale quotation in compliance with the provisions of these rules.

3. Information on different programs and reports associated to sales units will be considered confidential until the relevant day-ahead market session is opened for the scheduling periods of 90 days after the scheduling periods of the said schedules.

4. Information on settlements of the day-ahead and intraday electrical energy production markets of an agent will be considered confidential for other agents.

5. Agents will only have access to information on other agents if this is aggregated.

6. A market agent will be able to request from the Market Operator the access to disaggregated information on any agent in the case of a claim relative to a settlement which affects this agent.

#### **RULE 19. PUBLICATION OF AGENT INFORMATION FOR THEIR OPERATIONS ON THE MARKET**

The Market Operator provides market agents with all the information necessary for the development of market processes through the Market Operator's Computer System trading platform. In order to access this system, it is necessary to use access certificates provided by the market operator. Depending on the agent which the person who access the system belongs to, and access permission available, the system will provide this accessible information, always respecting confidentiality criteria.

The Market Operator will put necessary information at the disposal of market agents via the methods and formats established in the current version of the document "File model for the exchange of information between Market Operator and Market Agent", relative to the files exchanged between these, and published by the Market Operator. The information published will be classified in the following groups:

##### **19.1 DAY-AHEAD MARKET INFORMATION**

- Bid files
- Demand forecasts
- Interconnection exchange capacities. Maximum capacities and capacities available for market coupling
- Capacities assigned to interconnections with capacity assignment.
- Unit unavailability

- Guarantees available
- Files accessible on Day-ahead Market results:
  - PDBC marginal prices
  - Base matching schedule (PDBC)
  - Base operational schedule (PDBF)

## 19.2 INTRA-DAY-AHEAD MARKET INFORMATION

- Intraday auctions:
  - Definitive Feasible Schedule (PDVD).
  - Bid files
  - Demand forecasts
  - Maximum interconnection exchange capacities
  - Capacities allocated in interconnections with allocation of capacity
  - Unit unavailability
  - Limitations to production units
  - Guarantees available
  - Consultation files for results of intraday auction markets:
    - PIBCI marginal prices
    - Marginal schedule prices resulting from matching of the intraday auction market.
    - Base Intraday Incremental and Accumulated Matching Schedule (PIBCI and PIBCA).
    - Final Hourly Schedule (PHF).
    - Hours cancelled by market operator or by system operators

Continuous intraday market:

- Maximum Exchange Capacities in the interconnections.
- Limitations of bid units.
- Unavailabilities of bid units.
- Available guarantees.
- Files for consultation of continuous intraday market results.
- Reference prices, negotiated volumes and public information considered relevant to the continuous intraday market.
- Base Intraday Incremental and Accumulated Matching Schedule (PIBCI and PIBCA).

- Continuous Hourly Schedule (PHFC).
- Hours cancelled by market operator or by system operators

### **19.3 INFORMATION ON SETTLEMENTS**

- Settlement files common data
- File on hour notes
- Relevant market
- Purchasing and production units
- Amount
- Unit price
- Right to charge or relevant payment obligation
- Total rights chargeable or relevant payment obligations accumulated for each q market
- Day-ahead settlement file
- Total final payments and charges
- File on the market acquisitions of Reference retailers
- Payment guarantees
- Guarantees arranged
- Balance of the guarantees for the next sessions
- State of settlement
- Settlement calendar and billing+
- Invoices and payment or charge slips
- Information relating to invoicing and taxes.
- Final cost of the energy and the components of the end price in aggregate and for each type of consumer.

## **RULE 20. PERIODIC PUBLISHING OF PUBLIC INFORMATION**

The Market Operator will provide the general public with non-confidential general information using its publicly-accessible WEBSITE. The set of files and information provided by the Market Operator is described in the document entitled: "Public Information Provided by the Market Operator", available on the web server itself.

In order to disclose publicly available information, the Market Operator will apply the following confidentiality criteria:

### **20.1 AGGREGATED DEMAND AND SUPPLY CURVES AND INTERNATIONAL AND INTRA-COMMUNITY TRADE**

After matching each session on the market, the Market Operator will publish for the Iberian market:

- Hourly prices and total energy negotiated per hour on the day-ahead market.
- Aggregate supply and demand curves, bids taking part in the forming of the prices and bids included in the schedule resulting from the match with an indication of prices and amounts for each segment of energy offered. Once offers made to the market are



public, in compliance with these rules (90 days later), the new curves will be added indicating the units associated to each block.

- Business of each international interconnection per hour (including what has been matched on the day-ahead market plus the maximum assignation of what has been executed in international bilateral contracts) indicating:

- Maximum import and export sales capacity for each interconnection
- Occupied capacity in each direction of the interconnection
- Free capacity in each direction of the interconnection

After the closure of the negotiation, for each of the contracts programmed in the continuous intraday market, the reference prices, negotiated volumes and any other public information considered relevant to the continuous intraday market for each of said contracts will be published.

## **20.2 INFORMATION ON MARKET AGGREGATES**

The market operator must establish the magnitudes, parameters and variables of an aggregate nature that, due to their significance, should be published. In any case, once the market results are definitive, the production of technology and the demand for categories of agents.

## **20.3 QUOTAS**

After the day-ahead market session held on the first day of each month (m), the Market Operator will publish energy hiring quotas for various markets and processes, of all agents, relevant to the month (m-2).

## **20.4 PUBLICATION OF MARKET INFORMATION THAT IS NO LONGER CONFIDENTIAL**

After the day-ahead market session is held, the Market Operator shall make public all the information on the session held 90 days before, including information which derives from the presentation of bids and matching, and, in particular, the full content of bids presented by agents in all market sessions.

## **RULE 21. PERIODIC REPORTS ON THE RESULTS OF THE MARKET FOR THE COMPETENT AUTHORITIES AND THE MARKET AGENTS' COMMITTEE**

Notwithstanding other relevant information on the market which, according to legislation in force should be transmitted to the Ministry for Energy, and the Digital Agenda, and other competent authorities, the Market Operator will work together with the relevant regulatory bodies, the Market Agents' Committee and, when applicable, the European Commission to make the market and its results transparent.

With the aforementioned purpose, the Market Operator will draft follow-up reports based on parameters to improve the follow-up, observation and checking of data relative

to the electricity market. In relation with this report, the Market Operator will apply the relevant confidentiality criteria applicable.

## **RULE 22. PUBLIC INFORMATION**

All information which the Market Operator provides to an agent on another agent or on agents in compliance with these rules and which is not motivated by the existence of a claim, should be provided to the general public, except information given to several agents in compliance with legal regulations which require this to be done.

## CHAPTER FIVE

### DAY-AHEAD & INTRADAY PRODUCTION MARKET AGENTS' COMMITTEE

#### **RULE 23. AGENT COMMITTEE FUNCTIONS**

The production market agents' committee (MAC or CAM in Spanish) is an organ whose function is to follow the operation of the management of the day-ahead and intraday electricity production markets, and suggest means to improve the management of these markets.

Specific functions of the day-ahead production market agents' committee are the following:

- a) To carry out a follow-up of the day-ahead and intraday production markets and the development of the matching and settlement processes.
- b) To be informed, by the Market Operator, on faults which have taken place in the operation of the day-ahead and intraday markets.
- c) To suggest to the Market Operator operational rules which could bring an operational improvement on the day-ahead and intraday production markets.
- d) To provide advice to the Market Operator in order to resolve faults which occur on hiring sessions.
- e) To obtain periodical information from the Market Operator on those aspects which allow the analysis of the level of competition on the day-ahead and intraday electrical energy production markets.
- f) Any other function which is given to it by regulations in force to improve market operation.

#### **RULE 24. MEMBERS OF THE COMMITTEE**

The market agents' committee will be made up of a maximum of 25 members, divided into the following groups:

- Six representatives of the producers of facilities that do not involve renewable energy sources (except for those that are part of a hydro management unit), high-efficiency co-generation and wastes.
- Four representatives of the producers of facilities involving renewable energy (except for those that are part of a hydro management unit), high-efficiency co-generation and wastes.
- One representative of the agents acting as representatives.
- One representative of non-resident retailers.
- Two representatives of Reference retailers.
- Four representatives of retailers.
- Three representatives of direct market consumers.
- Two representatives of "OMI-POLO ESPAÑOL, S.A. (OMIE)".

- One representative of each one of the Spanish and Portuguese System Operators, with no right to vote or hold the office of chair.

## **RULE 25. APPOINTMENT OF MEMBERS OF THE DAY-AHEAD PRODUCTION MARKET AGENTS' COMMITTEE**

Members of the Committee in groups 1 to 7 in the previous rule will be representatives of the most significant associations of each activity, depending on the volume of energy negotiated on the day-ahead production market. None of these groups will be able to hold all the positions in a group, except in the case that there is a single representative.

For an association to apply for representation on the Committee it should operate, directly or indirectly, on the day-ahead production market and have at least three members, none of which will be represented by another association on the MAC.

Associations with no representation on the MAC will have priority over those who are already represented, in the appointment process.

Associations which wish to be represented on the MAC will request this in writing from the Market Operator, indicating the denomination of the association and information on the companies which make up the group, the volume of energy negotiated by these on the market during the past year, directly or indirectly, and giving details on the group requesting representation.

The Market Operator will study the application and once it has checked that details are correct and that a vacancy exists for the applying group, it will proceed to appoint its membership of the MAC.

In the event that conflict occurs when several associations collide for a same position on the MAC, the Market Operator will take the decision based on representation and proportionality criteria and report the said criteria to the National Commission for Markets and Competition.

## **RULE 26. OPERATING RULES AND INTERNAL REGIME RULES AND REGULATIONS**

The day-ahead production Market Agents' Committee will approve its internal operational rules, which will establish the calendar for sessions, the meetings' notice procedure, and code of conduct regulations, agreement adoption procedure and schedule for renewal of its members.

Posts on the Market Agents' Committee will not be remunerated.

The President and Secretary of this organ will be elected by the day-ahead production market agents' committee among its members.

In the maximum period of a year after the publication of this Rule, confirmation or appointment of the naming of the current associations on the MAC will be given of their designated representatives on the committee.

## CHAPTER SIX

### DAY-AHEAD MARKET

#### **RULE 27. CONCEPT AND PURPOSE**

The purpose of the day-ahead market, as an integral part of the electricity production market, is the execution of electricity transactions for the following day through the submittal of electricity sale and purchase bids by market agents.

These bids shall be submitted to the Market Operator, and shall be included in a matching procedure effective for the day-ahead scheduling horizon, corresponding to the day following the market session.

The day-ahead market shall be structured in one single session for each day-ahead scheduling horizon. Scheduling periods will be hourly, and the day-ahead horizon is made up by 24 scheduling periods of consecutive Central European Time (CET) (23 or 25 periods on days when clocks are changed to go on or off Daylight Savings Time).

#### **RULE 28. BIDS ON THE DAY-AHEAD MARKET**

##### **28.1 OBJECT AND CONTENT OF SALES AND PURCHASE BIDS**

Sale bids can be simple or complex, depending on their content. Purchase bids can only be simple without the incorporation of complex conditions being possible.

Sales and purchase bids can only be presented for the same day-ahead horizon and a same sales or purchasing unit, except in the circumstances described in the Rule on “Physical delivery of energy traded on the futures market”.

##### **28.1.1 SIMPLE BIDS**

For purposes of the provisions of the Market Operating Rules, simple bids are defined as those electricity sale bids which sellers submit for each hourly scheduling period and production unit they own, with the expression of a price and an amount of power. For each hourly scheduling period within the same day-ahead scheduling horizon, there can be as many as 25 power blocks for the same production unit, with a different price for each of the said blocks, with the prices increasing for sale bids, or decreasing for purchase bids. Simple bids may not include any additional terms to be considered in the matching process.

For sales units corresponding to production units with more than one owner for settlement effects, as well as the sale bid of the agent which represents it, the amount of energy associated to each of the owners committed to a bilateral contract will also be received for its consideration in the settlement of energies in the resulting day-ahead market schedule.

##### **28.1.2 COMPLEX BIDS**

For purposes of the provisions of the Market Operating Rules, complex bids are defined as those electricity sale bids which, while complying with the requirements governing simple bids, include all, some or any one of the conditions which are listed and described below. These conditions will be incorporated by the Market Operator in

bid matching in the terms established in the rule which describes the matching algorithm. The following are the conditions that can be included in complex bids:

#### **28.1.2.1 CONDITION OF INDIVISIBILITY**

The condition of indivisibility established that if the indivisible block of its bid is matched, it will be matched in its entirety - that is - for all the electricity bids and not for a fraction of that power, apart from the provisions on sharing.

Sellers shall only be allowed to include the condition of indivisibility in an electricity sale bid for the first block of the 25 possible power blocks in each hourly scheduling period.

Sellers may only include the condition of indivisibility in those bids that do not specify any other complex condition.

#### **28.1.2.2 MINIMUM INCOME CONDITION**

Sellers may include, as a condition governing the electricity sale bids they submit for each production unit, that the bid in question is only to be considered submitted for matching purposes if the seller obtains a minimum income, with the exception as provided for in the rule governing the complex condition of minimum income. The minimum income required shall be expressed as a fixed amount in Euros, without decimal places, and as a variable amount expressed in Euros per MWh, with as many as two decimal places.

The minimum income condition shall not be allowed if the income requested exceeds the income resulting from the complete acceptance of the bid at the price bid by more than 100%.

#### **28.1.2.3 SCHEDULED STOP CONDITION**

This is the condition that sellers may include in the electricity sale bids they submit for each production unit so that, in the event that these bids are not matched due to the application of the minimum income condition, they can be treated as simple bids in the first block of the first three hourly scheduling periods of the day-ahead scheduling horizon. The electricity bid which includes the scheduled stop condition shall be decreasing during the above-cited three hourly scheduling periods.

#### **28.1.2.4 PRODUCTION CAPACITY VARIATION OR LOAD GRADIENT CONDITION**

The production capacity variation condition consists of establishing, for each production unit, a maximum upward or downward difference in energy variation, between two consecutive hourly scheduling periods. This condition shall be expressed in MW/h, to one decimal place, and the result of applying it shall be, in any case, limited by the sales unit's maximum production capacity available hourly.

### **28.2 FORMAT FOR SUBMITTING SALES OR PURCHASE BIDS**

In the electricity sale bids they submit to the Market Operator, sellers shall include the data listed below for each production unit and scheduling period:

- a) Code of the sales or purchasing unit.
- b) Description of the bid. Alphanumeric field that does not use the algorithm.
- c) Type of bid, which will obligatorily be a sales or purchasing bid.

d) Day-ahead scheduling horizon date. This shall be the date on which the bid is submitted. This item shall be left blank if the bid is a default bid.

e) Default bid. The valid data that can be included in the bid is:

YES, which indicates that the bid is a default bid, and that the market participant is keeping it in force for all the day-ahead scheduling horizons, as from the moment the bid is received by the Market Operator. In this case, the day-ahead scheduling horizon date is not used.

NO, to indicate that the bid is not a default bid, and that it is only valid for the day-ahead scheduling horizon date indicated.

f) Minimum income condition for the production unit, which shall be expressed by means of the following two values:

- Fixed term (TF) for a single day-ahead scheduling horizon, set in Euros. Decimals will not be included.

- Variable term (TV), which shall remain invariable for a single day-ahead scheduling horizon, set in Euros per MWh, with as many as two decimal cents being included.

If the value is zero, it shall mean that the bid in question does not include this condition. In purchase bids both values should equal zero.

g) The sales unit's maximum rising or descending load variation gradient, expressed in MW/h to no more than one decimal place. If the value is zero, it shall mean that the bid in question does not include this condition. In purchase bids both values should equal zero.

h) For each of the up to twenty-five (25) blocks into which a production unit's sale bid can be divided, and each of the hourly scheduling periods, the following data shall be provided:

h.1) Hourly scheduling period to which the bid corresponds.

h.2) Volume of electricity offered in the block by the production unit for each hourly scheduling period, expressed in MWh to a maximum of one decimal place.

h.3) Price at which the block is bid for sale in Euros per MWh, to a maximum of two decimal places.

h.4) Indication, in the first block of each scheduling period, of whether the electricity block is divisible or not.

h.5) Indication, in the first three periods of the scheduling period, of whether the electricity sale bid of the first block corresponds to a scheduled stop condition, for the first three hourly scheduling periods of the scheduling period.

Additionally, the agent can report the energy associated to each of the owners which is committed to bilateral contracts in the case of sale bids, and the sales units which have

more than one owner, for their consideration in the day-ahead market settlement. This information will be sent by the person responsible for the submission of each shared power station bid, along with the codes of the relevant bilateral contracts. Upon receipt of this information, the Market Operator will verify that:

- The code for information communication exists
- The production unit exists
- The agent sending the information is the agent responsible for its submission

If the tests described above are not passed, all information sent concerning the production unit will be rejected and the corresponding warning message will be issued.

### **28.3 INFORMATION RECEIVED BY THE SYSTEM OPERATORS: UNAVAILABILITY, SALES CAPACITY OF INTERNATIONAL INTERCONNECTIONS, INFORMATION ON ASSIGNATION OF CAPACITY RIGHTS AND ON INTERNATIONAL BILATERAL CONTRACTS, NATIONAL BILATERAL CONTRACTS AND THE RESULTS OF PRIMARY ENERGY ISSUE OPTION AUCTIONS**

#### **28.3.1 DEFINITION AND INCORPORATION OF INFORMATION ON UNAVAILABILITY**

The information on unavailability sent by the system operators to the Market Operator's Computer System will be gathered by the Market Operator, and it will contain for each system the unavailability which the corresponding system operator has confirmed regarding any of the physical production units and pumping purchasing units, at the time this information is sent. Unavailability will be sent per physical unit. As a consequence, the Market Operator will consider that all production units not included in the latest information received by the corresponding System Operator are available.

Information on unavailability will be incorporated into the Market Operator's Computer System at the time said operator receives the aforementioned information, with the time limit of the inclusion of this information for matching purposes being the bid reception closing time on the day-ahead market session.

#### **28.3.2 DEFINITION AND INCORPORATION OF INFORMATION ON SALES CAPACITY OF INTERNATIONAL INTERCONNECTIONS**

The Spanish and Portuguese system operators are to inform the Market Operator of the maximum import and export capacities at each one of the international connections in their respective electricity systems with a weekly time horizon and an hourly breakdown.

The Spanish and Portuguese system operators are to inform the Market Operator of the import and export capacities available at each one of the international connections in their respective electricity systems for the day-ahead market's matching process with an hourly breakdown. The Market Operator shall understand that all the interconnections and directions of flow not included in the latest information received from the System Operators have a zero reading.

The information of the capacities available for the matching process on the day-ahead market is to be added to the Market Operator's information system as soon as it has been received in the Market Operator's information system, with the deadline for its inclusion for the purpose of its consideration in the matching process on the day-ahead



market being the deadline specified in the rule on the sequence of operations on the day-ahead market.

Prior to the specified deadline for the submission of the data on capacities to the joint matching system, the market operator shall analyse the data received on the capacity available for the matching of the day-ahead market for the interconnection between Spain and Portugal, as it has received data for that interconnection from both the operators of the Iberian system.

The market operator for the interconnection between the Spanish and Portuguese systems shall proceed as follows:

If it has received the import and export capacities from both operators and these coincide, it shall send the capacity figures received to the matching system before the specified deadline.

If it has not received the data from the two system operators for the interconnection between Spain and Portugal, or they do not coincide, it shall proceed according to the following cases:

Case 1: In the event it has not received the capacities available for the day-ahead market from either of the system operators before the deadline specified in the rules “on the sequence of operations on the day-ahead market”, the market operator shall call upon the two system operators to submit the capacities within 30 minutes following the deadline for the notification of capacities:

- Once 30 minutes have elapsed with no notification of the capacities from either of the two System Operators, the Market Operator shall send the matching system a zero figure for the capacity available for the matching of the day-ahead market for import and export at the frontier between Spain and Portugal for all the hours on the day-ahead market.

- Once 30 minutes have elapsed and notification of the capacities has been received solely from one of the System Operators, within the following 20 minutes the Market Operator shall confirm with the System Operator that it has not submitted the data for the capacities by the method agreed between them. If the data on the capacities are confirmed, the market operator shall send the capacities received to the matching system. If the data are not confirmed, it shall call upon the System Operator that has not notified the capacities to re-submit the capacity figures. Once these additional 20 minutes have elapsed, the Market Operator shall send the matching system the latest capacity figures received.

- When 30 minutes have elapsed with no notification of capacities by either System Operator, application is to be made of the procedure described in case 3.

Case 2: When the capacities available for the day-ahead market have not been received from one of the System Operators before the deadline specified in the rules “on the sequence of operations on the day-ahead market”, the Market Operator shall check whether on the date on which the verification is made data on maximum import and export capacities have been received for the programming periods on the day-ahead market, as referred to in the first paragraph of this rule, submitted by the System Operator that has not notified the capacities available for the day-ahead market. If the aforesaid capacities have been submitted and coincide with the figures sent by the System Operator that has notified the data on available capacity for the day-ahead market, the Market Operator shall send the data received on available capacity for the day-ahead market. If no data on capacities have been received for the day-ahead market programming periods on the date upon which verification is made, or these do not

coincide with the capacity data for the day-ahead market, the Market Operator shall call upon the System Operator that has not notified the capacities available for the day-ahead market to send them according to the process described in case 1.

Case 3: When the capacities available for the day-ahead market have been received from both of the two system operators before the deadline specified in the rules “on the sequence of operations on the day-ahead market”, or before the 20 extra minutes established in case 2, but they do not coincide, the Market Operator shall call upon the two System Operators to send the capacity data before 30 minutes have elapsed since the aforementioned deadline for the submission of capacities, or 20 minutes in the case of the circumstance described in case 2. If the new capacities received coincide, the data received shall be submitted. When they do not coincide after the extra time has elapsed, the Market Operator shall submit the capacity data sent by the Portuguese System Operator.

The data submitted on capacities at the interconnections with the French system and with the Moroccan system shall be the figures in the last valid file on capacities available for the day-ahead market sent by the Spanish system operator.

In the process of market coupling between Spain and France, the market Operator shall consider a figure for the maximum export capacity available, and as appropriate of import, equal to zero if the market operator of the French electricity system, or agent empowered by it in the settlement process, does not fulfil any one of the financial obligations required of it by the Market Operator regarding the settlement of the energy exchanged between the Spanish and French electricity systems as a result of said process.

### **28.3.3 DEFINITION AND INCORPORATION OF INFORMATION ON ASSIGNATION OF CAPACITY RIGHTS AND ON INTERNATIONAL BILATERAL CONTRACTS**

The Spanish System Operator will provide the Market Operator with the last notifications concerning use of capacity rights for each sales or purchasing unit corresponding to assignments previously confirmed in day-ahead auctions, as well as assignments in day-ahead auctions, regarding interconnection with the French electricity system for the purpose of validation of bids submitted on the day-ahead market, following the receipt of said assignment, and for their consideration in the validation prior to the matching process and within such a process.

The day-ahead auction of capacity rights with the French electricity system may be organised by the Spanish and French system operators, as a fallback system when no coupling is possible between the Iberian market and the French market. The incorporation of the result of said day-ahead capacity auction shall be effected by means of a transaction between the capacity rights unit and the generic unit in the Spanish production zone, in the same way as effected with the capacity rights prior to the day-ahead auction. During the transition period in which the matching is made with the Euphemia algorithm, but considering null implicit coupling capacity with the French system, the result of the day-ahead capacity auction at said interconnection shall be declared in the same way as the long-term rights by the market agents acquiring said rights, before the deadline established in the rule on the sequence of operations in the day-ahead market. When day-ahead capacity auctions are held as a fallback system for decoupling the Iberian market from the rest of the market, the capacity rights shall be declared in the same manner, according to the timetable agreed between the market operator and the Spanish system operator.

The System Operators will provide the Market Operator with the notifications on use of capacity rights for each sales or purchasing unit corresponding to assignments confirmed before the day-ahead market for the interconnection with the Portuguese electricity system for their consideration in the validation of bids presented on the day-ahead market, and for consideration in the validation process prior to the matching period and within this period.

International bilateral contracts on the Spanish-Portuguese border will be sent to the Market Operator by the system operators once they have been agreed upon by both operators. International bilateral contracts for the borders of the Iberian System will be sent by the Spanish System Operator to the Market Operator.

Once the system operators have reached agreements on the Spanish-Portuguese borders, they will provide the Market Operator, before the closure of the market bids receipt period, with information on international bilateral contracts received by agents, so that these are considered in the validation of bids presented on the day-ahead market, after this report is received, and so that these are considered in the validation process prior to the matching period and within this period.

The System Operators will provide the Market Operator with information regarding the assignment of capacity rights for each agent that has not carried out the notification on the use of capacity rights in the interconnection with the Portuguese electricity system.

#### **28.3.4 DEFINITION AND INCLUSION OF INFORMATION ON NATIONAL BILATERAL CONTRACTS**

The Market Operator will receive information from the relevant System Operators, before the closure of the market bid receipt period, on international bilateral contracts received from agents, so that these can be considered in the validation of bids submitted on the day-ahead market.

### **28.4 VERIFICATION OF SALE BIDS**

Sales or purchasing bids presented by agents will be verified by the Market Operator, as a prior condition to their possible acceptance. This verification will be carried out at the time bids are received and when the bid receipt period on the day-ahead market session closes, in accordance with this Rule. Bid validation will be carried out in accordance with the following:

#### **28.4.1 VERIFICATION OF THE STATE OF THE SESSION**

Upon the reception of the bid in its computer system, according to the time of reception available in said computer system, the Market Operator shall verify that this reception time precedes the deadline for the acceptance of bids. Whenever the bids have been submitted in a file, if it has started to download into the Market Operator's computer system before the deadline for the reception of bids and the file has the proper format, a validation process will be conducted for all the bids included in said file with consideration, for the purpose of controlling the deadline for the submission of bids, for the time when the file started to download, with each bid being applied the outcome of the validation with the time and date of the end of the validation.

## **28.4.2 AGENT VERIFICATION**

The Market Operator will verify:

- That the agent has been added to the Market Operator's Computer System on the date the bid is being presented and it has not been suspended by the System Operators as a Participant in the System.
- That the agent is authorized to submit sale bids for the sales unit, or purchase for purchasing units, at the time the bid is submitted and for the scheduling periods the offer is presented at. Bids from agents who present bids for units they are not authorized to present on the current date will be rejected.

## **28.4.3 VERIFICATION OF COMPLIANCE WITH GUARANTEES**

The Market Operator shall verify at the moment the bid is placed, whether it is for the next session in the day-ahead market, whether the agents for whom the sufficiency of guarantees is to be validated for said bid in the subsequent matching process will have sufficient guarantees for paying the maximum estimated amount for the energy corresponding to the bid submitted on the day when said payment obligation is due, according to the best information available at the moment the bid is placed.

The estimation of the maximum payment of the bid submitted shall be the valuation of the same and shall be established by the Market Operator multiplying each hourly block by the its bid price at that time plus applicable taxes and charges.

The bid shall be provisionally accepted, even in those cases in which it does not have guarantees, although the responsible agents affected will be informed of the outcome of this verification.

## **28.4.4 VERIFICATION OF THE SALES OR PURCHASING UNIT**

At the time the bid is submitted, the Market Operator shall verify that the installations that make up the production unit for which the bid is being submitted are registered in the Market Operator's Computer System for the date the bid is being submitted on.

### **28.4.4.1 VERIFICATION OF THE MAXIMUM ENERGY TO BE OFFERED WITHIN A SCHEDULING PERIOD**

For a sales or purchase bid presented in a session, which is not a default offer, it will be checked that the total energy offered in each hour, plus the energy declared for that unit in the entirety of executions of bilateral contracts prior to the day-ahead market, including notifications regarding the use of capacity rights, which have been reported to the Market Operators, within the said session, does not exceed one of the following values:

- The maximum energy of the unit in the Market Operator's database.
- For those sales units that have been declared unavailable, the maximum energy available considering current non-availabilities when the bid submitted is for the next day-ahead market session, understanding the maximum energy available to be the maximum energy once the energy unavailable has been discounted from its physical units. In the event the bid is normal for a session subsequent to the next day-ahead

market session, the production unit shall be considered available for the purposes of the bid validation period at the time the bid is submitted. The verification in the process of preparing bids for the day-ahead market will include a further check on the bid's validity by considering the maximum power available bearing in mind the non-availabilities in force at the session's close, as detailed in the section on verifying bids prior to matching.

In the event that energy offered exceeds the maximum value in any of the scheduling periods, the bid will be rejected in its entirety.

If offers are sent by default, the energy offered in each scheduling period against the maximum energy declared for that unit in the Market Operator's database will be validated, with the offer being provisionally accepted, at the expense of the global validation of bids and the execution of bilateral contracts before the match is performed, and in this process, in the case that the limits for global validation are exceeded, the offer will be rejected in its entirety. Given that by default the bids apply as of the same moment of their submission without the condition of notification of a bid date, it shall be validated that the submission date of the bid by default is subsequent to 00:00 hours on the date for which the corresponding production unit has been added.

#### **28.4.4.2 VERIFICATION OF THE CONTENT OF THE BID**

a. Verification of sale bids for blocks corresponding to the scheduled stop condition correspond to the first block of the first scheduling period and, as a maximum, up to the third scheduling period and these shall be decreasing in terms of energy offered in periods which the scheduled stop condition is declared for.

b. Verification of sale bids in which prices for different energy blocks of a same sales unit have increasing prices in regard to energy offered.

c. Verification of purchase bids in which prices for different energy blocks of a same unit have decreasing prices with respect to the energy offered.

d. Verification that the minimum income which the vendor incorporates as a sales condition in the sale bid is not over 100% of the income resulting from the complete simple sale bid of the sales unit.

e. Verification that the sales unit bid incorporates only one undividable block for each scheduling period.

f. Verification that a bid that declares the condition of indivisibility in one block does not declare any other complex condition.

g. Verification that the maximum rising and maximum descending gradient, declared in the bid are the same or under those registered in the Market Operator's Computer System. In the case a maximum value does not exist in the information system it will be understood that the gradient does not have a maximum value limit.

#### **28.4.4.3 VERIFICATION OF BIDS WITH REGARD TO BIDS FROM THE FUTURES MARKET**

Bids from agents to be offered on the day-ahead production market which are not from open positions on the futures market, when included, will not be validated against bids from the futures market. The set of bids will be validated before the matching process starts.

## **28. 5. VALIDATIONS AFFECTING REPORTING OF INFORMATION ON BILATERAL CONTRACTS SENT BY THE SYSTEM OPERATORS**

In the process of reception of reports on bilateral contracts, put at the disposal of the Market Operator by the System Operators, the following validation process is carried out:

Validations of reports on international bilateral contracts made on the Day-ahead Market

The validation of the insertion of the report on an international bilateral contract will be done for the energy in each unit declared in the contract, for each scheduling period. For each scheduling period, validation will be carried out for each unit's executed energy, to check that none of the following values are exceeded:

- The maximum energy of the unit in the Market Operator's database.
- The maximum energy amount available considering unavailability in force.

In the event that any one of these values should be exceeded, in any one of the scheduling periods, the acceptance of the file shall require the approval of the corresponding System Operator.

The sale scheduling units shall be generic units or programming units associated to sale production units. The purchase scheduling units in a bilateral contract will be generic units or programming units associated to acquisition production units.

In the event the observance of a bilateral contract cannot be incorporated into the Market Operator's system because it is in breach of these rules, the observance of bilateral contract shall not be incorporated into the system, although incorporation may be made of all the other observances of bilateral contracts received in the same notification.

The insertion of the notification of a bilateral contract shall be validated for the units involved in the declaration of the bilateral contract:

- All the sale scheduling units in a bilateral contract will be located in the same electricity system and each will have a selling programme.
- All the purchase scheduling units in a bilateral contract will be located in the same electricity system and each will have a purchasing programme.
- The bilateral contracts submitted by the system operators will be programming units in their respective electricity systems. The System Operator for the Portuguese system will submit bilateral contracts for units in the Portuguese zone and the Spanish System Operator will submit bilateral contracts for units in the zone comprising Spain, France, Andorra and Morocco.

## **28. 6. ACCEPTANCE OF SALES AND PURCHASE BIDS**

The last valid sales and purchase bids presented by agents to the Market Operator for each of the sales or acquisition units which they own, will become firm at the time the acceptance period for bids ends.

## **28. 7. EFFECTS OF THE INCLUSION OF A SALES OR PURCHASE BID IN THE SETTLEMENT PROCESS**

That either the vendor or buyer accepts the matching results in the terms established in these rules.

## **28. 8. SUBMISSION OF BIDS IN BILATERAL CONTRACTS WITH PHYSICAL DELIVERY**

To comply with section 3 of article 9 of Royal Decree 2019/1997, of 26 December, those retailers that have subscribed bilateral contracts for the physical delivery of energy are to submit purchase bids to the market at their opportunity price with an acquisition unit of the selling agent, for an hourly amount equal to or more than the energy declared in bilateral contracts with physical delivery.

The selling agents that have subscribed bilateral agreements with physical delivery of energy declared with programming units of electricity systems outside the Iberian system (programming units in the zone comprising France, Andorra and Morocco) and acquisition programming units shall declare said bilateral contracts with their sale scheduling units in said electricity systems, which may not be generic units.

## **RULE 29 PHYSICAL DELIVERY OF ENERGY TRADED ON THE FUTURES MARKET**

Energy negotiated on futures markets, whose settlement by physical delivery is requested by its owner, may be integrated in the day-ahead production market, energy that originates from organisations included in the International Agreement regarding the creation of an Iberian Electricity Market.

### **29.1. DEFINITION OF FUTURES MARKET UNIT (FMU)**

Futures market units (FMU) are settlement units on the futures market created to allow settlement via physical delivery.

Futures market units will have the features described below:

a) Each FMU will belong solely to a physical settlement agent of the futures market and an agent from the day-ahead market.

b) Day-ahead Market agents should report the makeup of each FMU to the Day-ahead Market Operator, providing details on the production units which make it up using the means established for this purpose.

c) An FMU may contain any of the sales units and/or purchase units on the day-ahead market, except the generic unit.

d) Each sale or purchase unit on the day-ahead market may only be included in one FMU.

e) Energy received as open positions assigned to a FMU may not constitute an "anti-natural position". If this were the case, the unit would be rejected by the Day-ahead Market Operator.

f) A position will be deemed "anti-natural" when the energy from an FMU open position exceeds the sum of the maximum amounts for sales units or the sum of the maximum amounts for the acquisition units it includes, with their relevant symbol.

g) Sales and/or acquisition units grouped in each FMU may only be production units to be settled on the day-ahead market at the price of energy in Spain or, alternatively, the price for Portugal, and neither unit type will be admissible in the same FMU.

## **29.2. DELIVERY OF POSITIONS FOR THEIR SETTLEMENT WITH PHYSICAL DELIVERY BY THE FUTURES MARKET OPERATOR**

### **29.2.1 SUBMISSION PERIOD**

The Futures Market Operator and the Day-ahead Market Operator will establish the schedule for the settlement of futures positions at least six months in advance, indicating the day when information on each underlying asset should be submitted. The condition described above will be interpreted notwithstanding that said schedule may be modified as a result of changes in the situation of the markets or the type of products traded with the Futures Market Operator.

Open positions will be dispatched by OMIP-OMIClear before the time set in the Day-ahead Market Operator's Computer System, which will never less than two days from the delivery date of the underlying asset. Within the day, the deadline time for the dispatching of open positions will be 5.30 pm.

Time details are given in Central European Time (CET).

### **29.2.2 VALIDATIONS AND RESPONSES**

The Day-ahead Market Operator will validate open futures market positions, Agent/FMU positions, in accordance with the following points:

a) The Futures Market Operator will only submit positions for physical delivery assigned to futures contracts registered by said operator.

b) It will later verify that the Agent and the FMU are assigned to existing Agents and FMU which are valid at the time of the communication and within the physical delivery period, and that the FMU belongs to the agent.

c) Finally, it will verify that the amounts of the relevant physical delivery are within the limits of the FMU. If this were not the case, the position reported will be deemed anti-natural and it will be rejected.

## **29.3. EFFECTS OF RESENDING INFORMATION. CANCELLATION OF PREVIOUSLY SUBMITTED AGENT DISAGGREGATIONS**

The Futures Market Operator may submit new data modifying the information on open positions which have already been sent if it detects that a violation of the rules of the futures market has occurred. The submission of a modification of a position previously sent by the Futures Market Operator may only be carried out up until the moment the bid receipt period for the day-ahead market closes. In this case, disaggregations of the modified positions carried out by Agents up until that moment will be cancelled.



## **29.4. RECEIPT OF ENERGY SPLITS OF AGENTS' OPEN POSITIONS**

Agents will split energy for each FMU in the bidding units of sale or purchase associated with such a bid, respecting the limits established in these Market Rules.

### **29.4.1. SUBMISSION PERIOD**

Agents may send energy splits for FMU energy from the moment of closure of the submission period of the relevant open positions by the Futures Market Operator until the closure of the receipt of bids on the day-ahead market.

The agent may opt to split by default for those FMUs which only have one bidding unit. Energy splits for agents using this option will be calculated automatically, in accordance with the rules established, and they will not need to be submitted.

### **29.4.2. CONTENT**

Agents will submit information on energy splitting in the hourly schedules and may send the energy split for all their futures market units in a single submission.

In addition, agents may send all energy splits concerning energy from bidding units for different future days in one submission, on those days when the Day-ahead Market Operator has information on open positions reported by the Futures Market Operator.

### **29.4.3. DEFAULT ENERGY SPLITTING**

Default energy splits are those calculated automatically and in accordance with the following points:

- a) They may only be used by those FMUs that exclusively contain a production unit.
- b) If a new production unit is to be included later in the same FMU, the splitting by default option should be forfeited first. If this does not take place, the new relationship between FMU/Production unit will not be registered.
- c) Using the Market Operator's Computer System, the agent may choose the option to apply the splitting by default or not and its validity date.
- d) The agent should report a maximum limit in MWh for which it accepts the default splitting. In the event that the value of the open position sent by OMIP/OMIClear exceeds this limit, it will only be split until the limit imposed by the agent is reached.
- e) Each time OMIP/OMIClear's open positions are received there will be automatic split for those positions which have selected the "split by default" option.
- f) Once the split receipt period has started, the agent may update or cancel this information, in the same way it would if a normal split had occurred.

### **29.4.4. VALIDATIONS IN RECEIPT AND RESPONSE**

The Day-ahead Market Operator will validate the split of open futures market positions in accordance with the following items:

a) Firstly, it will check that the agent submitting the split is not suspended or excluded from the Futures Market, in accordance with the information received from the Futures Market Operator, nor suspended or cancelled by the Day-ahead Market Operator.

b) It will then check that the FMU units and sales or distribution production units on the day-ahead market where open positions are split match existing and current agent units for the date when the split is taking place.

c) It will check that the production units are associated with the FMU for the date the split is taking place.

d) It will check that energies split for each bidding unit are coherent with the information on maximum and minimum amounts available at the disposal of the Day-ahead Market Operator at the time energy splits are received.

e) It will verify that the split of energy in the open position of an FMU for a schedule period is carried out, either in the sales units or in the acquisition units, depending on whether this is an FMU sales or purchase position.

If such checks are not approved, all information sent concerning energy splitting will be rejected and the corresponding warning message will be issued.

If checks concerning production units and FMU units are not approved, all information sent concerning energy splitting regarding the FMU which does not comply with validations will be rejected and the corresponding warning message will be issued.

#### **29.4.5. INFORMATION UPDATING**

Information on energy split may be replaced with the communication of new information on energy split for an FMU. If the validations established are met, new information will replace previous information for all purposes. If the validations established are not met, the previous information available accepted as valid will still be valid.

The agent may report the cancellation of information reported on energy split for an FMU for a particular day. In this case, all information on that FMU, including submissions previously accepted as valid, will be considered non-valid.

#### **29.4.6. CREATION OF OFFERS FROM OPEN POSITIONS ON THE FUTURES MARKETS**

Energy splits in sales units or the acquisition of open positions from the futures market with settlements with physical delivery sent by agents and which have turned out to be valid will be considered in the matching process on the Day-ahead Market as bids at an instrumental price. The registration time for the disaggregation will be considered as that of the receipt of the information on energy split by the agent.

Energy splits in acquisition units will be considered, for all effects and purposes, as simple bids with an instrumental price and the energy splits in sales units will be considered for all purposes as simple bids at an instrumental selling price.

## **29.5. EXCHANGE OF INFORMATION WITH THE FUTURES MARKET OPERATOR**

### **29.5.1 INFORMATION ON STRUCTURAL DATA**

Exchanges of information with regard to Agents aim to identify and qualify physical settlement Agents on the Futures Market and the respective FMU they use to settle operations on the Day-ahead Production Market.

With regards information sharing between OMIE and OMPI-OMIClear, this will be carried out by putting the relevant data at the disposal of the other party, and the party receiving the information will be obliged to collect it.

#### **29.5.1.1 ADMISSION OF A SETTLEMENT AGENT WITH PHYSICAL DELIVERY**

All agents on the futures market wishing to settle their positions with physical delivery must be day-ahead market agents or have signed a contract with a physical settling agent on the futures market which is also an agent on the day-ahead market.

Prior to the acceptance as Physical Settlement Agent by OMIP-OMIClear, the following information sharing will be made between the Futures Market Operator and the Day-ahead Market Operator:

- a) The Futures Market Operator will ask the Day-ahead Market Operator to accept the physical settlement Agent.
- b) The Day-ahead Market Operator will reject or accept the physical settlement Agent.
- c) If the Day-ahead Market Operator accepts, the Futures Market Operator will accept the possibility of physical delivery to the agent.

#### **29.5.1.2 REGISTRATION OF FUTURES MARKET UNITS (FMU or UCP in Spanish)**

Prior to the acceptance of an FMU referring to energy from a Physical Settlement Agent on the Day-ahead Market, the following information sharing will be made between the Futures Market Operator and the Day-ahead Market Operator:

- a) The Futures Market Operator will ask the Day-ahead Market Operator to accept the FMU, providing details regarding the name of the agent, its code and the FMU code.
- b) The Day-ahead Market Operator will accept the FMU, reporting registration on the FMU system to OMIP-OMIClear on the next working day, indicating the date from which it is available.
- c) The Futures Market Operator will accept the FMU definitively and process the Agent's decision.
- d) Both operators may ask the other operator to send all updated information for the agent/FMU pairs validated up until that time.

#### **29.5.1.3 CANCELLATION OF A PHYSICAL SETTLEMENT AGENT BY THE FUTURES MARKET OPERATOR**

When a cancellation or deregistration of a physical settlement agent is carried out by the Futures Market Operator, the following information must be reported to the Day-ahead Market Operator:

a) The Futures Market Operator will inform the Day-ahead Market Operator about the cancellation of an Agent and the relevant futures market hiring units.

b) The Futures Market Operator will make information available to the Day-ahead Market Operator. This information will include the name and code of the agent and the respective FMUs for the agent.

#### **29.5.1.4 TEMPORARY CANCELLATION OF AN AGENT BY THE DAY-AHEAD MARKET OPERATOR**

In the event of temporary suspension of an agent by the Day-ahead Market Operator, the Futures Market Operator will follow its procedures and the Day-ahead Market Operator will reject physical deliveries indicating the reason for the rejection.

#### **29.5.1.5. EXCLUSION OR CANCELLATION OF AN AGENT BY THE DAY-AHEAD MARKET OPERATOR**

When an agent from the Day-ahead Market Operator resigns or leaves, the following information must be reported to the Futures Market Operator:

a) The Day-ahead Market Operator will inform the Futures Market Operator of the resignation of the Agent.

b) The Futures Market Operator will withdraw the agents' ability for physical delivery.

c) For a period of up to two working days, it will be accepted that the physical deliveries of the agent are rejected by the Day-ahead Market Operator, in the same way as in the event of temporary suspension of an agent of the Day-ahead Market Operator.

### **29.5.2 GENERAL MARKET INFORMATION**

The Day-ahead Market Operator and the Futures Market Operator will exchange the following information:

a) Any public information considered relevant, taking into account the availability of this information on the public website for each market.

b) Essential information, publishing a link to the public website of the other market when users require additional information.

## **RULE 30. MATCHING PROCEDURE ON THE DAY-AHEAD MARKET**

### **30.1. BASIC ELEMENTS GOVERNING MATCHING ON THE DAY-AHEAD MARKET**

The Market Operator will match the bids for the purchase and sale of energy using the Euphemia algorithm. A detailed definition of the algorithm will be agreed upon between the Market Operator, OMIE, and all the other European market operators that have subscribed the cooperation agreement for undertaking a single common matching

between sundry European market operators. This agreement document is to be posted by the market operator, OMIE, on its website, and shall be presented by OMIE, and by each one of the Market Operators, to the National Regulators or authorities responsible for approving the Market Rules in each case.

The production of the energy covered by the bilateral contracts in which they are involved shall not be included in the matching process, or taken into account during the matching process for verifying the maximums for sale or load gradient of the sales unit involved.

The price in each scheduling period in each area will offer corresponding to the result of the algorithm Euphemia.

Before the matching process is carried out the following checks will be performed to select bids and bilateral contract executions considered in the matching process with the information sent by the System Operators on unavailability and information on energies notification of capacity rights and assignation of capacity rights, sent before the closure of bids on the day-ahead market.

#### Validating an agent's guarantees

Once the period for receiving bids for the market session has closed, the next step will be to validate all the acquisition bids from each agent to check that said acquisition bids have sufficient guarantees.

In order to value the bids, consideration shall be given the valuation of the blocks of energy in each hour at their prices and the valuation in each zone and hour of the blocks of energy including applicable taxes and fees.

It is to be verified whether the agent to which settlement is to be made of said production unit has sufficient guarantees for the purchase bid. The agent to which settlement is to be made of said production unit shall be a single one, except in the case of a production unit with shared ownership. In this case, each one of the owners is to have sufficient guarantees to cover the percentage of the purchase bid corresponding to their holding.

The value of the bid shall be compared with the balance of excess guarantees of the corresponding agents on the day the bid is applied, using the best information available at the deadline for the reception of bids.

When all the agents have sufficient guarantees, the bid shall be accepted on a provisional basis, entering the matching process; those that have not will be omitted from the process.

For each purchase bid in the matching process, an entry is to be made to reduce the balance of the excess guarantees of the corresponding agents for the amount applicable to that bid as appropriate. Once the settlement has been made, this entry will be replaced by the results of the invoicing.

#### Validations of bids presented on the day-ahead market.

In the first place, normal or default bids from units without assignation of capacity rights presented on the market shall be validated, in an inverse order to their presentation, and in the first place normal offers and secondly default bids.

Validation will check that for the last valid bid presented, whether normal or by default, for each sales or purchasing unit, that the energy for the scheduling period of the offer, plus the energy of the same unit and scheduling period, executed in

international bilateral contracts, or notification on the use of capacity rights, previously reported by System Operators and accepted, do not exceed any of the following values:

- The maximum hourly energy of the unit in the Market Operator's database.
- The maximum energy amount available considering unavailability in force.

In the event that none of these values are exceeded, in any of the scheduling periods, the offer will be accepted for the matching process. In the case that any of these values is exceeded, in any of the scheduling periods, the bilateral contract will be rejected in its entirety.

Secondly, normal or default bids which have not already been validated shall be validated, in reverse order to the order of their submission, with normal bids appearing first followed by default bids.

Validation will check that for the last valid bid presented, whether normal or by default, for each sales or acquisition unit, that the energy for the scheduling period of the bid does not exceed any of the following values:

- The maximum hourly energy of the unit in the Market Operator's database.
- The maximum energy amount available considering unavailability in force.
- For generic sales production units the energy offered is lower than or equal to the purchasing balance of the generic schedule unit for the same scheduling period.
- For generic purchase production units the energy offered is lower than or equal to the sales balance of the generic schedule unit for the same scheduling period.

In the event that none of these values are exceeded, in any of the scheduling periods, the offer will be accepted for the matching process. In the case that any of these values is exceeded, in any of the scheduling periods, the bilateral contract will be rejected in its entirety.

Validation at close of the receipt of bids from open positions on the futures market and the consideration of such offers in the matching algorithm on the day-ahead market

For the purpose of validation of energy split by agents at the time the receipt of bids closes, these will be considered as bids on the day-ahead market at an instrumental price and the acceptance moment will be considered as the moment that disaggregation of FMU energy is received and accepted.

For all purposes and effects, the previous information will be considered in the validation process in reverse order to their submission, and priority will be given to the most recent information.

At the time of validation at the closure of receipt of offers, only the offer from open positions relevant to the production unit not exceeding the validations established will be rejected, and the rest of the information will be maintained for other bidding units belonging independently to the same energy split.

Valid disaggregation for open positions on the futures market with settlement with physical delivery will be considered offers at the instrumental price. Energy and price information for these bids will be processed with the matching algorithm as information independent of bids belonging to the relevant units sent by the agent for the day-ahead market:

a) Complex conditions which may have been included by the agent in the bid sent for the day-ahead market will not be applicable to the energy assigned to the offers from open positions on the futures market.

b) The matching process on the day-ahead market will be carried out in accordance with the rule provided for this purpose, and both offers in the same production unit will be treated separately.

## **30.2. MATCHING PROCEDURE**

The purpose of the Euphemia matching algorithm is to optimise what is referred to as “welfare”, which corresponds to the sum for the combined total of all the hourly periods in the programming horizon of the gain from the purchase bids, plus the gain from the sale bids, plus the congestion charge. Gain in terms of purchase bids is understood to be the difference between the price of the matched purchase bid and the marginal price received, and the gain in terms of sale bids is understood to be the difference between the marginal price received and the price of the matched sale bid.

The Euphemia algorithm considers stepwise aggregate curves, which correspond to the curves for which the start price for the acceptance of a block of energy and the full acceptance price for said block of energy coincide, and to interpolated aggregate curves, which are those curves for which the start price for the acceptance of a block of energy and the full acceptance price for said block of energy differ in at least one minimum step between bid prices. For the processing of both types of curves, the Euphemia algorithm performs the matching process with the accuracy of the price values and energy values exceeding the ceiling of decimals specified for the submission of bids. Once the matching process has been completed, the figures for energies and prices are rounded off according to the accuracy specified in each market. The accuracy established for the Iberian market is two decimal points for prices, stated in euros per MWh, and one decimal point for energies, stated in MWh.

In each market, the Euphemia algorithm considers each one's specific complex conditions or block conditions, with the conditions for bids in the Iberian market being as stipulated in these rules.

The result of the Euphemia logarithm is limited to the interchange established in each market between production zones. Accordingly, the net flow between the Iberian market's internal production zone (flow between Spain and Portugal) and the Iberian system's frontiers (flow between Spain and France, and flow between Spain and Morocco), will be restricted to the capacity available for the market as notified by the system operators responsible for said notification.

The Euphemia algorithm treats all simple bids as a single bid, being the combined total of all the simple bids in the production zone. Once the matching process has been completed, the market operator shall proceed to allocate the matched and unmatched blocks of the simple bids in each production zone.

Once Euphemia's matching process has been made, allocation will be made of the values of the matched and unmatched energy blocks of all the bids that have declared any one of the complex conditions, excluding indivisibility condition, as well as the values of the matched and unmatched energy blocks for the sum of bids that have not declared a complex condition or have only stated the condition of indivisibility.

In order to perform the matching, the algorithm will perform the following operations:

### **30.2.1 ESTABLISHMENT OF THE ORDER OF FINANCIAL PRECEDENCE OF SALE BIDS AND DETERMINATION OF THE SALES SUPPLY CURVE**

The Market Operator will establish, for each scheduling period in the day-ahead horizon, the order of financial precedence of sale bids, starting with the lowest, until reaching the highest and covering the energy demand of said scheduling period. In the case that there are energy blocks at the same price, these will be ordered following the criteria below:

- Date, hour, minute and second of insertion in the Market Operator's Computer System, from the lowest to the highest bid.
- Volume of energy in the block from lowest to highest. In the event the aforesaid date, hour, minute and second also coincide in both bids, they are to be ordered according to the amount of energy in the block.
- Alphabetical order, from the lowest to the highest. In the event that the amount of energy is also the same, bids will be ordered alphabetically, if applicable, in descending order.

The Market Operator will determine the aggregate sale bid curve, adding the price of the amounts of energy tendered in descending order and regardless of the sales units said amounts correspond to.

For the execution of the Euphemia matching algorithm, two aggregate sales curves will be plotted for each production zone:

- The first aggregate sales bid curves will contain all the blocks of all the simple bids and all the blocks of all the simple bids that have declared the condition of indivisibility in any hourly period. The energy tendered at the same price will be aggregated to that price with no differentiation. The curve will not feature any identification of the production units to which they correspond.
- The second aggregate sales bid curves will contain all the blocks of the economic order of precedence that are not contained in the first aggregate sales bid curves, without aggregating the energy tendered at the same price, and featuring the identification of the production blocks that belong to the same tender. The curve will not feature any identification of the production units to which they correspond.

### **30.2.2 DETERMINATION OF THE PURCHASING CURVE**

The Market Operator shall establish, for each scheduling period in the day-ahead horizon, the order of financial precedence of purchase bids, starting with the highest, until reaching the lowest and covering the energy demand of said scheduling period. Whenever there are energy blocks at the same price, these will be ordered following the criteria below:

- Date, hour, minute and second of insertion in the Market Operator's Computer System, from the lowest to the highest bid.
- Volume of energy in the block from lowest to highest. Whenever the aforesaid date, hour, minute and second also coincide in both bids, these are to be ordered according to the amount of energy in the block.
- Alphabetical order, from the lowest to the highest. Whenever the amount of energy is also the same, bids will be ordered alphabetically, if applicable, in descending order.



The Market Operator shall determine the aggregate sale bid curve, adding the price of the amounts of energy tendered in descending order and regardless of the purchase unit said amounts correspond to.

To execute the Euphemia matching algorithm, an aggregate sale bid curve will be plotted for each production zone, which will contain all the blocks of all the purchase bids. The energy tendered at the same price will be aggregated to that price with no differentiation. The curve will not feature any identification of the production units to which they correspond.

### **30.3. PROCESSING BIDS WITH THE COMPLEX CONDITION OF MINIMUM INCOME**

The Euphemia algorithm performs a matching process with an accuracy exceeding the two decimal points established for the prices of bids in the Iberian market and with an accuracy exceeding the one decimal point established for the energies in bids on the Iberian market.

Although the Euphemia algorithm considers the complex conditions established in these rules, needing to fulfil the conditions said conditions lay down, verification of compliance with the complex condition on minimum income will be made with the value of the prices and energies used in the matching process prior to rounding, whereby a bid may be matched, with the value being the sum of the fixed term plus the variable term multiplied by the final energy matched once the rounding has been performed, lower than the sum of the multiplication of the matched energy once the rounding has been performed, by the marginal hourly price once the rounding has been performed.

### **30.4. PROCESSING BIDS WITH THE COMPLEX CONDITION OF GRADIENTS**

In the application of the complex condition of load gradient, a block of energy tendered at a price higher than the marginal may be matched, if the acceptance of said production block allows matching more energy in adjacent programming periods, such that a solution is obtained with greater welfare, fulfilling all the other conditions of the algorithm.

### **30.5. PROCESSING BIDS WITH THE CONDITION OF INDIVISIBILITY**

Once Euphemia's matching process has been completed, allocation will have been made of the values of the matched and unmatched blocks of all the bids that have declared one of the complex conditions of gradients, minimum incomes and scheduled stoppage, as well as the values of the matched and unmatched blocks of energy for the sum of bids that have not declared any one of the aforementioned complex conditions.

If the process of allocating the blocks of simple bids or the blocks of bids with the condition of indivisibility should lead to non-determination because the aggregate matched offer of said bids, referred to as simple energy aggregated to marginal, exceeds the energy allocated to said bids in the Euphemia matching process, referred to as energy to be distributed to marginal, the following procedures are to be applied:

a) If the marginal price is above zero, each block will be allocated a proportional part of the simple energy aggregated to marginal, whereby the sum of the allocations will be equal to the energy to be shared to marginal. The proportion applied is that

corresponding to the proportion between the simple energy aggregated to marginal and the energy to be distributed to marginal.

b) If the marginal price is zero, the following criteria are to be applied:

b.1 If the sum of the energy of the blocks of the simple energy aggregated to marginal that have declared the condition of indivisibility exceeds the energy to be distributed to marginal, application will be made of the provisions of section a) above.

b.2 If the sum of the energy of the blocks of the simple energy aggregated to marginal that have declared the condition of indivisibility is lower than or equal to the energy to be distributed to marginal, allocation will be made to the blocks that have declared the condition of indivisibility of an energy equal to the energy tendered. Those matched blocks that have not declared the condition of indivisibility will be allocated a proportional part of their bid, whereby the sum of the allocations will be equal to the energy to be shared to marginal minus the energy allocated to the matched units with a declaration of indivisibility.

### **30.6. RE-MATCHING THE IBERIAN DAY-AHEAD MARKET**

Once the day-ahead market's matching process has been completed, and once the result has been confirmed by both OMIE and all the market operators undertaking the matching coupled to the Iberian market, the results of the flows through the France-Spain interconnection, referred to as end prices, shall be final.

If an error were to be detected in the matching process within a due period after the publication of the Day-ahead Base Matching Programme (PDBC), the Iberian market operator, following a consultation with the operators of the Spanish and Portuguese systems, shall proceed to repeat the matching process in a decoupled manner from all the other European markets, maintaining the flow in the interconnection between Spain and France resulting from the previous matching process. The outcome of the re-matching process will be a new complete result for the matching of the Iberian day-ahead market, which will replace the previous result and be the one applied to the settlement process, albeit with the exception as detailed forthwith. For the purpose of the financial valuation of the flow at the interconnection with France, as well as for the purpose of calculating the congestion charge at said interconnection, application shall be made of the price in the Spanish system referred to as the end price, which corresponds to the common matching confirmed by European market operators.

### **30.7. REOPENING THE RECEPTION OF BIDS FOR THE DAY-AHEAD MARKET SESSION**

When the day-ahead market matching process records any one of the contingencies considered in the local procedures of one or more of the market operators, whereby the reception of bids is reopened for the day-ahead market session within the operating scope of said market operator, given that such reopening implies a new matching process for all the markets, the Iberian market operator may open the period for the reception of bids for that day-ahead market session for all the agents on the Iberian market, for a period of time that is consistent with the reopening of the process for the reception of bids in all the other markets. The Iberian market operator shall inform all the agents, by means of a message posted on the agents' website, of the timetable for the reopening of the session and the reason such a step has been taken.

Likewise, in the event of any one of the contingencies considered in the common procedures for the development of the day-ahead market matching process that leads to a situation of partial or full decoupling of any one of the interconnected price zones, the Iberian market operator may open the period for the reception of bids for the day-ahead market session for all the agents on the Iberian market, for a period of time that is consistent with common procedures for the development of the matching. The Iberian market operator shall inform all the agents, by means of a message posted on the agents' website, of the timetable for the reopening of the session and the reason such a step has been taken.

### **RULE 31. SETTLEMENT RESULT ON THE DAY-AHEAD MARKET**

In the case of shared property production units, energies matched will be assigned to each co-owner in proportion to the difference between the total energy of the matched unit on the day-ahead market plus the energy committed in all bilateral contracts multiplied by ownership percentages and information on energy assigned to the co-owner to be committed in bilateral contracts.

If the energy matched on the day-ahead market plus energy declared to be assigned to each agent exceeds the maximum energy available, or the energy declared to be assigned to an agent exceeds the assigned energy according to its percentage of energy property foreseeable in the BOS, none of the declarations will be taken into account and, therefore, the percentages of property over the unit of each one of the agents will be used.

### **RULE 32. CALCULATION OF THE SCHEDULE RESULTING FROM THE MATCHING ON THE DAY-AHEAD MARKET**

The base matching schedule is the result of the matching process referred to in article 10 of Royal Decree 2019/1997 of 26 December.

The Market Operator shall notify the market participants of the contents of the base matching schedule, and shall inform of the schedule that corresponds to their production or purchasing units, according to the terms established in these rules.

The Market Operator will provide the System Operators with the content of the schedule resulting from the relevant matching process, with the previous assignment of values assigned to the Generic Production unit and the values assigned to the Generic Purchase Unit, with their relevant symbol. The Generic Production unit will have negative and positive values, according to whether it is a sales or purchase bid, and it will serve exclusively to put the matching result at the disposal of the System Operators.

#### **32.1. ESTABLISHMENT OF THE ECONOMIC PRECEDENCE ORDER OF SALE BIDS AND DETERMINATION OF THE SALES SUPPLY CURVE**

The Market Operator will establish the order of precedence to which Article 10 of Royal Decree 2019/1997 December 26, is concerned of matched bids, bids partially matched and not matched taking as a basis offered energy blocks and their prices, without considering any complex bid conditions. This order will take into account the following:

In the event that two bid blocks are priced at the same price, these will be ordered in decreasing date, hour, minute and second order, and depending on their insertion in the Market Operator's Computer System.

In the event that the said date, hour, minute and second also coincide in both bids, these will be ordered inversely from a higher to a lower amount of energy within the block.

In the event that the amount of energy is also the same, bids will be ordered alphabetically, if applicable, in descending order.

### **RULE 33. INFORMATION ON THE ACCEPTANCE AND VERIFICATION PROCESS OF BIDS AND THE RESULT OF THE DAY-AHEAD MARKET SETTLEMENT**

As a consequence of acceptance processes, bid verification and the result of the day-ahead market matching, the Market Operator will generate the following information, which will become available as is described below:

#### **a) Information on the bid acceptance and verification process**

- The result of the acceptance or not and verification both of the insertion of the bid as well as its validation prior to matching will be made available to market agents. The reasons for their exclusion will be delivered under the terms set out in the current rules when this is requested by the agents. This information shall be accessible at the time it is produced.

- Valid purchasing or sales unit bids presented during the session.

The System Operators with the confidentiality in the Rules and the market agents will be informed on the set of valid purchase and sale bids presented on each day-ahead market session, respecting confidentiality agreements in compliance with these rules, after the result of the day-ahead market matching session.

#### **b) Information on the day-ahead market matching result**

- Matching price result.

It will be generated as a consequence of the matching process and it will also be made available to market agents and the System Operators. This information will be published after it is produced.

The Day-ahead Market Operator shall provide the Futures Market Operator, within two hours of the close of the day-ahead market, with the contracting volumes and prices traded in each hour in the Day-ahead Market for the following day.

- Matching Schedule Result.

The Matching Day-Ahead schedule (PDBC) will be generated as a consequence of the matching process on the day-ahead market and it will also be made available to market agents and the System Operators in compliance with the confidentiality in the Rules, immediately after it is produced.

- The order of financial precedence.

It will be generated as a consequence of the matching process on the day-ahead market and it will also be made available to the System Operator immediately after it is produced.

- Aggregate supply and demand curves.

For each grouping of production zones with the same price, the aggregate sale and purchase curves will be generated as a consequence of the matching process for each of the scheduling periods on the day-ahead market, and this information will be public. It will be made available to market agents in compliance with the confidentiality in the Rules, and published after it is produced.

- Occupation of each international interconnection per hour indicating the maximum import and export sales capacity for each interconnection, the busy capacity in each flow direction and interconnection, the capacity occupied by a declaration of capacity use rights and the free capacity in each flow direction and interconnection. This information will be generated as a result of the day-ahead market settlement for each scheduling period of the day-ahead market and the information will be publicly available.

- Result of the physical delivery process. The Day-ahead Market operator will put the result of the physical delivery process at the disposal of the Futures Market Operator, with three possible outcomes:

- a) That bids have already been matched.

- b) That bids have been partially matched.

- c) That bids have been rejected before the matching process on the Day-ahead Market because they do not comply with Day-ahead Market Regulations or because the agent has not received the relevant disaggregation.

## **RULE 34. EXCEPTIONAL SITUATIONS**

For the purposes of the provisions of these Market Operating Rules, exceptional situations are those which make it impossible to perform the bid submittal correctly and acceptance process or the matching process.

The situations referred to by the preceding paragraph can be the result, by way of example, of one or more of the following circumstances:

- a) Insufficient supply of electricity for sale to satisfy the demand which utilizes the system's instrumental price.

In this case the Market Operator shall establish the order of financial precedence of the available sale bids, and shall send the said order to the system operators with the confidentiality in the Rules with a deficit for the hourly scheduling periods in which the said insufficient demand occurs.

- b) Impossibility of undertaking, prior to the set deadline, the matching process with the Euphemia algorithm for the sum of markets.

In the event the deadline for the decoupling of all the markets is reached, the matching of the Iberian market shall be performed in a decoupled manner considering the capacity in the market with the French system to be null.

- c) Force majeure:

- c.1. If a situation of force majeure were foreseeable, but inevitable, the Market Operator would perform advance matchings, expanding, for this purpose, the day-ahead scheduling horizon so that it would include the hourly scheduling periods in the case that the exceptional situation continues. If the force majeure situation were impossible to

predict, the Market Operator could determine matching by using the historical algorithm referred to as SIOM (IT system of the market operator) with the necessary adjustments in the sale and purchase bids submitted by the agents for the use of said algorithm. Whenever necessary, the matching may be made using log data.

c.2. If the force majeure situation is due to failures in the computer equipment, malfunction of computer applications or communications of the market operator or the European market coupling system that prevent their proper functioning. The market operator may arbitrate measures of equal content to those of point c.1) above.

d) Impossibility of determining matching as a result of the technical and financial conditions of complex bids. The Market operator may arbitrate measures with the same content as those in point c.1) above.

If the impossibility of determining the matching persists, the Market Operator shall proceed to determine the matching using the historical algorithm referred to as SIOM (IT system of the market operator) with the necessary adjustments in the sale and purchase bids submitted by the agents for the use of said algorithm. Whenever necessary, the matching may be made using log data.

## **RULE 35. DAY-AHEAD MARKET SETTLEMENT**

The Market Operator will determine the settlement of energy for each agent which participates on the day-ahead electricity production market and in each scheduling period, for each acquisition unit, sales unit and, if applicable, physical unit. Likewise, the Market Operator will determine the settlement of the energy flow at the interconnection between Spain and France and the congestion charges generated at the different interconnections in the Spanish electricity system.

### **35.1. DETERMINATION OF THE RETRIBUTION CORRESPONDING TO SELLERS AS A RESULT OF THE DAY-AHEAD MARKET SETTLEMENT**

Sellers who operate on the day-ahead market will receive for each sales unit and for each scheduling period a retribution which will incorporate the marginal price on the day-ahead market in each scheduling period of the bidding area where the unit is located.

The Market Operator will carry out the day-ahead settlement of enteric power for each seller who participates on the day-ahead market and for each sales unit which has been incorporated in the resulting matching schedule in each scheduling period.

In order to carry out these settlements, the Market Operator will carry out the relevant entries in the books on the registry created for this purpose for each sales unit.

### **35.2. PRICES TO CONSIDER IN THE DETERMINATION OF ELECTRICITY PURCHASE PRICES ON THE DAY-AHEAD MARKET**

Those purchasers that operate in the day-ahead market shall pay, for the electricity acquired included in the programme arising from the matching and for each programming period, the marginal price on the day-ahead market for each programming period in the production zone in which the purchase unit is located.

### 35.3. DEBT COLLECTION RIGHTS ON THE DAY-AHEAD MARKET

The seller whose bids have been matched during the day-ahead market trading session and incorporated in the schedule resulting from the matching process will have a debt collection right which is calculated as the result of the energy whose production is assigned in each scheduling period to its production unit, or a production unit it is not the owner of but which it represents in its own name and on behalf of another, for the marginal price set for this unit and for the production zone where the unit is located. It is considered accordingly that the sales units to which settlement are to be made of the energy imported by Spain from France, as a result of the matching process, are located in the Spanish production zone. The owners of said production unit will be the French market operator or the agent empowered by it to perform said settlement.

Seller debt collection rights will be:

$$DCPBC(up, h, z) = EPBC(up, h, z) * PMH(h, z)$$

Where:

DCPBC (pl,h,z): Seller debt collection right for energy corresponding to the production unit up, located in the bidding zone z, at hour h.

EPBC (pl,h,z): Energy assigned to the sales or physical unit up, located in the bidding zone z, in hour h on the day-ahead market (PBC).

PMH (h,z): Marginal hourly price corresponding to the hour h on the day-ahead market (PBC) in the bidding zone z. In the event a new matching is performed according to the rule "Re-matching the Iberian Day-ahead Market" the price to be considered shall be the one corresponding to said re-matching, except for the interchanges of energy between Spain and France that are to be settled at the price in the Spanish production zone corresponding to the end result of the matching confirmed by the market operators.

### 35.4. PAYMENT DUTIES ON THE DAY-AHEAD MARKET

The buyer whose bids have been matched during the day-ahead market hiring session and incorporated in the schedule resulting from the matching process will have a duty to pay which is calculated as the production result of the energy assigned in each scheduling period to its purchasing unit, or a purchasing unit it is not the owner of but which it represents in its own name and on behalf of another, for the marginal price set for this unit for the bidding zone where the unit is located. It is considered accordingly that the purchase unit to which settlement is to be made of the energy exported from Spain to France, as a result of the matching, is located in the Spanish production zone. The owner of said production unit will be the French market operator or the agent empowered by it to perform said settlement.

The buyers' duty for each purchasing bid in hour h will be the following:

$$OPPBC(ua, h, z) = EPBC(ua, h, z) * PMH(h, z)$$

where:

OPPBC (ua, h,z): Payment duty of the buyer for energy corresponding to the purchasing unit ua, located in bidding zone z, at hour h.

EPBC (ua, h,z): Energy assigned to the purchasing unit ua, located in bidding zone z, in hour h on the day-ahead market (PDBC).

PMH (h,z): Hourly marginal price corresponding to hour h on the day-ahead market (PDBC) in bidding zone z corresponding to the final result of the matching process. In the event a new matching is performed according to the rule “Re-matching the Iberian Day-ahead Market” the price to be considered shall be the one corresponding to said re-matching, except for the interchanges of energy between Spain and France that are to be settled at the price in the Spanish production zone corresponding to the end result of the matching confirmed by the market operators.

### **35.5. INCOME ON THE DAY-AHEAD MARKET DUE TO THE MARKET SPLITTING PROCESS**

The settlement of the day-ahead market, following the process of market splitting at each interconnection, shall give rise to revenues referred to as ‘congestion charges’ which are to be calculated as the product of the interchange capacity effectively used within the framework of the market splitting process in each programming period for the difference of the marginal prices set for the same in each one of the production zones located on both sides of the interconnection.

#### **35.5.1 CONGESTION CHARGE IN THE DAY-AHEAD MARKET AT THE INTERCONNECTION BETWEEN SPAIN AND PORTUGAL**

The congestion charge generated at the interconnection between Spain and Portugal shall be shared equally between the operators of the Spanish and Portuguese electricity system.

Each system operator will therefore be allocated a direct credit collection right in hour h as:

$$DCPBCPTES\_CI(h) = 0,5 * \text{abs}(EPBCPTES(h)) * \text{abs}(PMH(h,z1)-PMH(h,z2))$$

where:

DCPBCPTES\_CI (h): Collecting right in hour h, in the day-ahead market, allocated in the account of the system operators of Spanish and Portugal, for the application of the market splitting process between the biddings zones.

EPBCPTES (h): The exchange capacity effectively used in the framework of the splitting process in hour h in the bidding zones.

z1,z2: Sub-indexes referring to the Spanish and Portuguese zones, respectively.

#### **35.5.2 CONGESTION CHARGE IN THE DAY-AHEAD MARKET AT THE INTERCONNECTION BETWEEN SPAIN AND FRANCE**

The congestion charge generated at the interconnection between Spain and France shall be shared equally between the operators of the Spanish and French electricity system.

A payment obligation will be debited to the account of the French electricity system operator in hour h as:

$$OPPBCFRES\_CI(h) = 0.5 * \text{abs}(EPBCFRES(h)) * \text{abs}(PMH(h,z1)-PMH(h,z3))$$



A collection right will be credited to the account of the Spanish electricity system operator in hour h as:

$$DCPBCFRES\_CI(h) = 0,5 * \text{abs}(EPBCFRES(h)) * \text{abs}(PMH(h,z1)-PMH(h,z3))$$

Furthermore, in the event a new matching is performed according to the rule “Re-matching the Iberian Day-ahead Market” the following entries shall be credited to the account of the Spanish electricity system operator in hour h:

- If  $PMH'(h,z1) > PMH(h,z1) > PMH(h,z3)$  or  $PMH'(h,z1) < PMH(h,z1) < PMH(h,z3)$

$$DCPBCFRESAJ\_CI(h) = \text{abs}(EPBCFRES(h)) * \text{abs}(PMH'(h,z1) - PMH(h,z1))$$

- If  $PMH(h,z1) > PMH(h,z3)$  y  $PMH(h,z1) > PMH'(h,z1)$

or  $PMH(h,z1) < PMH(h,z3)$  y  $PMH(h,z1) < PMH'(h,z1)$

$$OPPBCFRESAJ\_CI(h) = \text{abs}(EPBCFRES(h)) * \text{abs}(PMH'(h,z1) - PMH(h,z1))$$

where:

DCPBCFRES\_CI(h): Collection right in hour h, in the day-ahead market, allocated to the Spanish system operator, for the application of the market splitting process between the Spanish and French bidding zones.

OPPBCFRES\_CI(h): Payment obligation in hour h, in the day-ahead market, allocated to the French system, for the application of the market splitting process between the Spanish and French bidding zones.

DCPBCFRESAJ\_CI(h): Collection right in hour h, in the day-ahead market, allocated in the account of the Spanish system operator adjusted as a result of the re-matching of the Iberian day-ahead market and of the market splitting process between the Spanish and French bidding zones.

OPPBCFRESAJ\_CI(h): Payment obligation in hour h, in the day-ahead market, allocated in the account of the Spanish system adjusted as a result of the re-matching of the Iberian Market and the market splitting process between the Spanish and French bidding zones.

EPBCFRES (h): Interchange capacity effectively used within the framework of the market splitting process in hour h between the Spanish and French bidding zones.

PMH' (h,z): Marginal hourly price corresponding to hour h in the day-ahead market (PBC) in bidding zone z arising from the matching provided for in the rule “Re-matching the Iberian Day-ahead Market”.

z1,z3: Sub-indexes referring to the Spanish and French zones, respectively.

### 35.6. PUBLICATION OF DAY-AHEAD MARKET SETTLEMENT RESULTS

In accordance with general confidentiality regulations established in this rule, after each day-ahead market session the Market Operator will make the following information available to market agents using its information system: the results on debt collection rights and payment duties derived from the said market, for the day-ahead scheduling horizon corresponding to each hiring session.

The entries corresponding to each contracting session shall be provisional when:

a) The corresponding matching is provisional according to the rule "SEQUENCE OF OPERATIONS IN THE DAY-AHEAD MARKET"

b) The existence of pending claims regarding the development of any trading session of the market.

c) The subsequent appearance of erroneous values in the settlement.

These entries shall become final when none of the above circumstances concurs, except when for one or more of these reasons a new settlement has to be made, in which case the new entries shall be final when there is no concurrence of any cause for provisional consideration among those mentioned in the preceding paragraphs.

The operators of the system will make available to the market operator within 15 minutes of the closing of the first session of the intraday auction market the final Viable Daily Program (PDVD), for the purpose of carrying out the validations to the offers of the intraday market of Auctions

## CHAPTER SEVEN

### SCHEDULES RECEIVED AFTER THE DAY-AHEAD MARKET OPENS

#### **RULE 36. BASE OPERATIONAL SCHEDULE**

The System Operators shall provide the Market Operator with the Day-ahead Base Operating Schedule (PDBF) before the deadline specified in these rules, as well as reports on declarations of international bilateral contracts in order to comply with applicable legislation on the confirmation of the presentation of bids on the day-ahead market. The Market Operator will make this information, as well as the conversion of said information into production units, readily available for the agents.

#### **RULE 37. FEASIBLE DAY-AHEAD SCHEDULE.**

The system operators will make available to the market operator 15 minutes prior of the closing of the first session of the intraday auction market the final Viable Daily Schedule (PDVD as per the Spanish), for the purpose of the intraday auctions market. The market operator will make said information available to agents along with the conversion of said information into the necessary bid units for validation and the completion of the matching process.

In any case, the Definitive Viable Daily Program (PDVD) resulting from the PDBF technical restrictions solution process must be received by the market operator in advance, in a normal operating situation, not less than 15 minutes before the end of the First intraday market auction session so that the market agents can update, if appropriate, the bids previously submitted to the auction, which can be finally validated at the close of the period of receipt of bids.

In the exceptional situation in which the market operator receives the PDVD from the system operators after the established deadline, the period of receipt of bids will be extended, to allow agents to have 15 minutes to verify and update consequently their bids, without prejudice to the provisions of the Rule "SEQUENCE OF OPERATIONS IN THE INTRADAY MARKETS".

## CHAPTER EIGHT

### INTRADAY MARKETS

#### INTRADAY AUCTION MARKETS

##### **RULE 38. PURPOSE AND BASIC CONCEPTS OF THE INTRADAY AUCTION MARKET.**

The purpose of intraday markets is to attend to the sale and acquisition of energy in the hours following the closure of the day-ahead market, subsequent to the Definitive Feasible Day-ahead Schedule (PDVD) being set.

The intraday auctions market is structured in sessions in accordance with the following rules:

a) Once the feasible day-ahead schedule is set, the intraday market auction sessions may begin for schedule periods included in said feasible day-ahead schedule and, where applicable, in the one prior to the current one.

b) Each intraday market session may have the purpose of one or several schedule periods, provided the feasible day-ahead schedule is published before the closing of said session.

c) Each schedule period may be subject to successive intraday market auction sessions.

d) Schedule periods for which no feasible day-ahead schedule exists cannot be included in intraday market auction sessions.

e) The initial moment of the presentation of purchase and sale bids in the intraday auctions market and in the term of the presentation of same, shall be designate these functioning rules and must ensure that any schedule period with published feasible day-ahead schedule shall be subject to at least one intraday market session.

The sessions of the intraday auction market shall be established in accordance with Annex I, which may be modified after a report from the Market Agents Committee and authorization of the competent regulator:

##### **RULE 39. BIDS ON THE INTRADAY AUCTIONS MARKET**

###### **39.1. OBJECT AND CONTENT OF SALES AND PURCHASE BIDS**

Sale bids can be simple or complex, depending on their content.

Sales and purchase bids can only be presented for the same day-ahead horizon and the same sales or purchasing unit. Complex bids are those simple bids that in addition to the simple bid declare any one of the complex conditions provided for in these rules.

For each scheduling period the Market Operator will assign the selling balance of the Generic Schedule Unit to the Generic Sales Production unit and the purchase balance of the Generic Schedule unit to the Generic Purchase Production unit, of the Final Day-ahead Viable Schedule (PDVD) in the event of a first session and the Final Hourly Schedule (PHF) in the previous session for the remaining sessions.

In the horizon hours of each intraday market which are negotiated for the last time, agents which - in the Final Hourly Schedule (PHF) prior to the opening of the intraday session - have program in the generic sales or purchase production units, should dispose of this capacity through the presentation of the corresponding simple bids at an instrumental price.

### **39.1.1 SIMPLE BIDS**

Simple bids are those which are placed for one or more hourly scheduling periods, which state a price (which may even be zero) and a quantity of power. In each hourly scheduling period targeted by the bid there may be as many as five power blocks from the same bid from a production or purchasing unit, with a different price for each block. Simple bids may not include any additional terms to be considered in the matching process.

### **39.1.2 COMPLEX BIDS**

Complex bids comply with the requirements governing simple bids, but also include at least one of the conditions which are listed in the following sections.

The limitations derived from the processing of complex bids placed in the intraday market only affect the power volumes they include, and thus do not affect power assigned previously in the viable schedule and in the previous sessions of the intraday market.

#### **39.1.2.1 COMMON COMPLEX CONDITIONS AFFECTING SALES AND PURCHASE BIDS**

##### **39.1.2.1.1 CONDITION FOR PRODUCTION CAPACITY VARIATION OR PREVIOUSLY PURCHASED ENERGY, OR THE CHARGE GRADIENT CONDITION**

Sellers may include this condition in all the bids submitted by production or purchasing units for each of them. The production capacity variation condition consists of establishing a maximum variation in power production capability or of purchased power capacity between two consecutive hourly scheduling periods.

This condition is expressed in MW/minute of increase or decrease, or start and stop, and its inclusion in the matching process shall be in accordance with the provisions of the Rule "Verification of load gradient condition during the simple conditioned matching process". As a value to be taken into account in the matching process, that entered in the bid with the lowest identified number corresponding to the unit.

The matching result shall be, in any case, limited by the production unit's maximum and minimum energy capabilities, or by the total power previously assigned to the production unit in the day-ahead viable schedule or to the purchasing unit in the sessions prior to the intraday market. This condition must at all times respect the continuous linear variation of the production unit, or of the power purchased by the purchasing unit, in each hourly scheduling period.

##### **39.1.2.1.2. CONDITION OF COMPLETE ACCEPTANCE IN THE MATCHING OF THE FIRST BLOCK OF THE SALE BID**

In bids they submit for each production or purchasing unit, sellers may include the condition that a bid must be eliminated if its first block is not completely matched.

#### **39.1.2.1.3 CONDITION OF COMPLETE ACCEPTANCE IN EACH HOUR IN THE MATCHING OF THE FIRST BLOCK OF THE SALE BID**

In bids they submit for each production or purchasing unit, sellers may include the condition that, if the first block of a given bid is not completely matched in an hour, all the blocks of the bid for that hour shall be eliminated from matching, while the rest of the bid shall remain valid.

#### **39.1.2.1.4 CONDITION OF MINIMUM NUMBER OF CONSECUTIVE HOURS OF COMPLETE ACCEPTANCE OF THE FIRST BLOCK OF THE SALE BID**

In the sale bids they submit for each production or purchasing unit, sellers may include the condition that, if the first block of a bid is not completely matched in of the matching scheduling horizon during the number of consecutive hours specified in the bid, the bid shall be eliminated.

#### **39.1.2.1.5 MAXIMUM POWER CONDITION**

By virtue of the maximum power condition, the Market Operator's acceptance of a sale bid for the scheduling horizon determines, if the bid is matched, that it will be matched for a total volume of power or one that is lesser than or equal to the volume indicated by the seller in its bid, and never for a greater volume.

#### **39.1.2.2 SALE BID COMPLEX CONDITIONS**

##### **39.1.2.2.1 MINIMUM INCOME CONDITION**

Sellers may include, as a condition governing each sale bid they submit for a sales or purchasing unit, that the bid in question is only to be considered submitted for matching purposes if the seller obtains a minimum income, which shall be expressed as a fixed amount in Euros, without decimal places, and as a variable amount expressed in Euros per MWh, with as many as three decimal places

The minimum income condition may not be used in sale bids in which more than 50% of the power is bid at the price of zero.

#### **39.1.2.3 COMPLEX CONDITIONS OF PURCHASE BIDS**

##### **39.1.2.3.1 MAXIMUM PAYMENT CONDITION**

Buyers may include, as a condition in each purchase bid they submit for each sales or purchasing unit, that the bid in question is only to be considered submitted for matching purposes if the seller obtains a minimum income, which shall be expressed as a fixed amount in Euros, without decimal places, and as a variable amount expressed in Euros per MWh, with as many as three decimal places.

#### **39.2. FORMAT FOR SUBMITTING SALES OR PURCHASE BIDS**

Bids should have the form established as follows, in relation with their content.

a) Code of the sales or purchasing unit.

b) Bid number. Bid number for the same production unit.

c) Description of the bid. Alphanumeric field which does not use the algorithm.

d) Bid type: sales or purchase.

e) Currency unit: Euro.

f) Type of adjustment according to the codes defined in the Market Operator's Computer System.

g) Financial conditions, minimum income condition for sale bids for the sales or purchasing unit, or maximum payment condition for the purchase bids of the sales or purchase unit, which shall be expressed by means of the following two values:

- Fixed term (FT) for a single day-ahead scheduling horizon, set in Euros. Decimals will not be included.

- Variable term (VT), which shall remain invariable for a single day-ahead scheduling horizon, set in Euros per MWh, with as many as three decimal cents being included.

If the value declared is zero (0) or no value is declared, it shall mean the bid in question does not include this condition.

h) Maximum rising, maximum descending gradient, start-up and stop gradient, in MW/minute expressed to no more than one decimal place. If the value declared is zero (0) or no value is declared, it shall mean that the bid in question does not include the relevant gradient.

i) Technical minimum (MW with a maximum of decimals the same as that established in the hiring unit). If the value declared is zero (0) or no value is declared, it shall mean that the bid in question does not include the technical minimum.

j) Indicator of the requirement of complete acceptance of the first block of the sale bid (S/N).

k) Maximum admissible energy for the bid in MWh, to a maximum of one decimal place. If the value is zero (0), it shall mean that the bid in question does not include this condition.

l) Indicator of the requirement of complete acceptance of the first block of the sale bid (S/N).

m) Minimum number of consecutive hours required for a first block of the bid, matched in its entirety. If no value is declared or the value is zero (0), it shall mean that the bid in question does not include this condition.

For each block and scheduling period:

- Date which the bid covers.

- Hour which the bid covers.

- Block number of the bid.

- Amount of energy in the bid in MWh, to a maximum of one decimal place.

- Price at which the block is bid for sale in Euros per MWh, to a maximum of two decimal places.

### **39.3. INFORMATION RECEIVED BY THE SYSTEM OPERATORS: UNAVAILABILITY, SALES CAPACITY OF INTERNATIONAL INTERCONNECTIONS, ON LIMITATIONS ON BIDDING AND ZONE LIMITS**

The presentation of purchase and sale bids is subject to the following limitations.

The sum of the energies assigned per bid unit in the accumulated schedule to date, along with that offered will be validated against the higher and lower energy limits of the Market Operator Information System. The bid will be accepted on a provisional basis, even in the case of not complying with the previous validation, informing the agent responsible for the bid unit of the result of this verification.

The bid shall be valid again in the moment of the closure of receipt of the bids of the session, taking into account unavailabilities, limitations and accumulated energy in the Definitive Feasible Day-ahead Schedule (PDVD), the prior auctions and continuous market up to the moment of the closure of the receipt of bids in the session, to create one of the periods included in the bid.

If the validation of the bid, taking into account the unavailabilities and limitations, results in energy values beyond the upper or lower limits of the Market Operator System in any of the periods offered, the bid will be rejected.

Without prejudice to the above, the subsequent reports sent by the system operators to the Market Operator Information System on availabilities of sale units received in the market operator information system received in the market operator information system up to five minutes before the closure time of the session shall be taken into account during the matching process.

#### **39.3.1 DEFINITION AND INCORPORATION OF INFORMATION ON UNAVAILABILITY**

Information on unavailability sent by the System Operators to the Market Operator's Computer System, will be gathered by the Market Operator, and it will contain for each system the unavailability which the corresponding System Operator has confirmed regarding any of the units at the time this information is sent. Unavailability will be sent per physical unit. As a consequence, the Market Operator will consider that all production units not included in the latest information received by the relevant System Operator are available.

Information on unavailability will be incorporated into the Market Operator's Computer System at the time the operator receives this information, with the time limit of the inclusion of this information for matching purposes being the day-ahead market session closing time.

#### **39.3.2 DEFINITION AND INCORPORATION OF INFORMATION ON LIMITATIONS AFFECTING BIDS AND ZONE LIMITATIONS**

Information on unavailability sent by the System Operators to the Market Operator's Computer System will contain for each system all the limitations that the corresponding System Operator imposes on the possibility to place offers on the intraday market



auctions sessions affecting any of the sales or purchasing units, at the time the information is sent. There will be two types of limitations: unit limitations, which are limitations on a single unit, and zone limitations which involve several units. For the purpose of receiving bids and the matching process only the information on both limitations received by the sales or purchasing unit will be taken into account.

Information on zone and unit limits will be incorporated into the Market Operator's Computer System at the time the operator receives this information, except during the intraday market auctions sessions which it is not incorporated in, with the incorporation taking place when the final hourly schedule (PHF) has been confirmed. The only limitations on the option to place bids will be those which are within the scheduling period on the next intraday market session.

In the case of the first intraday market auction session, zone and unit limitations may be incorporated during the period of receipt of bids.

The System Operators will report zone limitations to the Market Operator when these involve a group of sales or purchasing units of their zone to be considered in the matching process. Zone limitations are the maximum sales balance of the sum of accumulated schedules of sales units, discounting scheduling units' accumulated schedules, or the minimum balance of these schedules. Zone limitations can also be the maximum purchase balance of the sum of accumulated schedules of sales units, discounting scheduling units' accumulated schedules, or the minimum balance of these schedules.

These zone limitations will be reported by the corresponding Operator System before the closing of the first auction session of the intraday market, and may be updated before each intraday market auctions session opens.

In the event that none compliance with zone limitations cannot be achieved, the result of the matching process will come close to complying with these limitations, meeting the rest of the conditions of algorithm execution. In the event that there is unavailable capacity affecting production or purchasing pump units, these units will be excluded from complying with the limitation for the amount of energy which is unavailable.

### **39.3.3 DEFINITION AND CORPORATION OF THE INFORMATION ON COMMERCIAL CAPACITIES OF INTERNATIONAL INTERCONNECTIONS.**

The information on the import and export capacities sent by the system operators, to the Market Operator Information System and will contain the information on maximum import and export on borders, for each hour for each of the Spanish electricity system interconnections which have a maximum limit. Consequently, the market operator will consider that all interconnections and flow directions not included in the latest information received by operators shall have zero value.

The information on capacities will be incorporated in the Market Operator Information System at the time of receipt of the Market Operator Information System, with the deadline for inclusion for the purposes of matching of intraday market sessions, of 20 minutes prior to the deadline for receipt of bids to the intraday auctions market.

### **39.4. VERIFICATION OF SALE BIDS**

Sales or purchasing bids presented by agents will be verified by the Market Operator, as a prior condition to their possible acceptance, in accordance with the following rules:

### **39.4.1 CHECKS WHICH ARE APPLIED TO BOTH SALES AND PURCHASE BIDS**

#### **39.4.1.1. VERIFICATION OF THE STATE OF THE SESSION**

At the moment it receives a sale bid in its computer system, the Market Operator shall verify that, according to the reception time available in its computer system, this reception time is after the opening of the session in the case of the intraday auction markets and prior to the end of the period of acceptance of offers. In the case of file-presented bids, if this bid has started to be received by the Market Operator's Computer System before the deadline to receive bids and the file's format is correct, a validation process will be carried out for all the offers included in the said file considering, for control effects, the time limit for bid presentation as the hour the file is received at, with a validation being inserted for each offer with the time and date the validation finishes.

#### **39.4.1.2. AGENT VERIFICATION**

The Market Operator will verify, at the time the bid is placed, that the agent:

- Is registered in the Market Operator's system, in the capacity of market agent and has not been suspended by the System Operators as a Participant in the System.
- That the agent is allowed to place offers for the sales or purchasing unit. All bids from agents who place bids for units they are not authorized to place bids for will be rejected.

#### **39.4.1.3. VERIFICATION OF THE SALES OR PURCHASING UNIT**

At the moment each sale bid is submitted, the Market Operator shall verify that the installations or supply points that make up the sales or purchasing unit, respectively, for which the bid is being submitted are registered in the Market Operator's Computer System and authorized to bid in the scheduling periods in which the bid is submitted.

At the moment each sales or purchasing bid is submitted, the Market Operator shall verify that the sales or purchasing unit which the agent is submitting is enabled to participate in intraday sessions and belongs to the agent.

#### **39.4.1.4. VERIFICATION OF THE SUITABILITY OF DATA OF THE SALES OR PURCHASE BID AGAINST THE INFORMATION THE MARKET OPERATOR DISPOSES OF ON THE CONDITION OF PRODUCTION CAPACITY VARIATION.**

The Market Operator will check, when the bid is placed, that the maximum difference between electricity which can be accepted from a sales unit in two consecutive hours on the intraday market is equal to or lower than maximum energy that the sales unit could supply, according to the data registered in the Market Operator's Computer System.

#### **39.4.1.5 VERIFICATION OF THE ADEQUACY OF THE BID DATA WITH INFORMATION AVAILABLE TO THE MARKET OPERATOR SENT BY SYSTEM OPERATORS.**

The operator of the market will verify, before the possible acceptance of same, that the electricity offered respects the corresponding bid unit limits made available to the market operator by system operators at the start of the session in accordance with the

"Bid possibility limitations" and the specific rules according to the type of bid of maximum energy verification to bid in a schedule period. The bid will be accepted on a provisional basis, even in the case of not complying with the previous validation, informing the agent responsible for the bid unit of the result of this verification.

The market operator will repeat said verification upon close of the intraday purchase and sale session accepted provisionally during the session, also taking into account the possible matched energy in each period in the continuous intraday market up to that point, being definitively rejected or considered valid for the matching process.

In the bid validation process, the zonal limitations associated with the units will not be taken into account.

#### **39.4.1.6. VERIFICATION OF SUITABILITY OF THE BID WITH THE MAXIMUM ENERGY CONDITION**

The Market Operator will verify, at the time the bid is placed, that bid including the maximum energy condition:

- Does not include the load gradient condition.
- That it is the only bid submitted by the sales or purchasing unit.

#### **39.4.1.7. VERIFICATION OF BIDDING PERIODS**

The Market Operator will verify at the time the bid is placed that the bidding periods are within the scheduling horizon of the intraday market session which the bids are validated for.

### **39.4.2 SPECIFIC CHECKS AFFECTING SALE BIDS**

#### **39.4.2.1. VERIFICATION OF PRICE SUITABILITY**

The Market Operator will verify; at the time the bid is placed:

- That the prices of energy of the units are not higher than the maximum prices adopted for this purpose and registered in the Market Operator's Computer System.
- The blocks included in sale bids in each hour should be strictly growing prices with the number of the block. Empty intermediate blocks are allowed in each hour, without a price and without energy, but with zero energy.

#### **39.4.2.2 VERIFICATIONS OF THE MAXIMUM ENERGY TO BID IN A SCHEDULE PERIOD.**

The market operator will verify the adequacy of the data of the bid with the information contain in the Market Operator Information System. The maximum energy to bid in a schedule period.

For a sale bid of a sale unit presented to a session, it shall be provisionally verified that the electricity offered in total for each of these bids, plus the schedule of the unit previously matched in each hour in sessions and rounds of the continuous intraday market or in the PDVD for the first session of the intraday market or otherwise the PDBF,

if the PDVD has not been received at that time, for sale units does not exceed any of the following values.

- Maximum energy of the unit on in market operator database.
- The maximum energy available considering the current unavailabilities.
- The energy limited by unit limitations notified by operators of the system prior to the opening of the intraday market session, except for the first intraday auction session, communicated prior to the publication of the corresponding PDVD.

The bid will be accepted on a provisional basis, even in the case of not complying with the previous validation, informing the agent responsible for the bid unit of the result of this verification.

The market operator will repeat said verification upon close of the intraday sale session for all sale bids accepted provisionally during the session, also taking into account the possible matched energy in each period in the continuous intraday market up to that point and always considering the PDVD for the first session, being definitively rejected or considered valid for the matching process.

For an acquisition unit sale bid, presented to an intraday market session, it shall be provisionally verified that the unit schedule previously matched in each hour of the sessions and rounds of the continuous intraday market or in the PDVD for the first session of the intraday market or otherwise the PDBF, if the PDVD has not been received at that time, minus the energy offered in total for each hour in this bid, is in excess of the minimum between the energy limited by the unitary limitations communicated by the system operators prior to the opening of the intraday market session or the energy available considering the current unavailabilities.

The bid will be accepted on a provisional basis, even in the case of not complying with the previous validation, informing the agent responsible for the bid unit of the result of this verification.

The market operator will repeat said verification upon close of the intraday sale session for all sale bids accepted provisionally during the session, also taking into account the possible matched energy in each period in the continuous intraday market up to that point and always considering the PDVD for the first session, being definitively rejected or considered valid for the matching process.

#### **39.4.2.3. VERIFICATION OF THE SUITABILITY OF THE BID WITH THE MINIMUM INCOME CONDITION**

The Market Operator will verify at the time the bid is presented that the sale bid does not include the minimum income condition in the case that more than 50% of the energy has been offered at a price equalling zero.

### **39.4.3 SPECIFIC PURCHASE BID CHECKS**

#### **39.4.3.1. VERIFICATION OF PRICE SUITABILITY**

The Market Operator will verify; at the time the bid is placed:

- That the prices of energy of the units are not higher than the maximum prices adopted for this purpose and registered in the Market Operator's Computer System.

- The blocks included in sale bids in each hour should be strictly descending prices with the number of the block. Empty intermediate blocks are allowed in each hour, without a price and without energy, but with zero energy.

#### **39.4.3.2 VERIFICATIONS OF THE MAXIMUM ENERGY TO BID IN A SCHEDULE PERIOD.**

For an acquisition unit purchase bid presented to a session, it shall be provisionally verified that the electricity offered in total for each hour in this bid, plus the schedule of the unit previously matched in each hour in sessions and rounds of the continuous intraday market or in the PDVD or failing that, the PDBF, if the PDVD has not been received at that moment, for the first session of the intraday market, so that sale units do not exceed any of the following values:

- Maximum energy of the unit on in market operator database.
- The maximum energy available considering the current unavailabilities.
- The energy limited by unit limitations notified by operators of the system prior to the opening of the intraday market session, except for the first intraday auction session, communicated prior to the publication of the corresponding PDVD.

The bid will be accepted on a provisional basis, even in the case of not complying with the previous validation, informing the agent responsible for the bid unit of the result of this verification.

The market operator will repeat said verification upon close of the intraday session for all purchase bids accepted provisionally during the session, also taking into account the possible matched energy in each period in the continuous intraday market up to that point and always considering the PDVD for the first session, being definitively rejected or considered valid for the matching process.

For a sale unit purchase bid, presented to an intraday market auction session, it shall be provisionally verified that the unit schedule previously matched in each hour of the sessions and rounds of the continuous intraday market or in the PDVD for the first session of the intraday market or failing that, the PDBF, if the PDVD has not been received at that moment, minus the energy offered in total for each hour in this bid, is in excess of the minimum between the energy limited by the unitary limitations communicated by the system operators prior to the opening of the intraday market session or the energy available considering the current unavailabilities.

The bid will be accepted on a provisional basis, even in the case of not complying with the previous validation, informing the agent responsible for the bid unit of the result of this verification.

The market operator will repeat said verification upon close of the intraday session for all purchase bids accepted provisionally during the session and always considering the PVDV for the first session, also taking into account the possible matched energy in each period in the continuous intraday market up to that point, being definitively rejected or considered valid for the matching process.

#### **39.4.3.3 VERIFICATION OF THE ADEQUACY OF THE DATA OF THE MAXIMUM PAYMENTS CONDITION FOR PURCHASE BIDS.**

The market operator shall verify at the time of the submission of the bid that purchase bid does not include the condition of maximum payments in the event that over 50% of the energy has been offered at instrumental price.

#### **39.4.3.4 VERIFICATION OF FULFILMENT OF GUARANTEES.**

The operator of the market shall verify at the time of the lodgement of the bid that the agent to who said available unit bid is to be settled has sufficient guarantees for the purchase bid, based on the simple hourly proceed offered including applicable taxes and quotes.

The agent to whom the bid unit will be single except in the case where a bid is shared property. In this case one of the agents might have sufficient guarantees to support the percentage of the purchase bid for ownership.

The value of the bid shall be purchased with the balance of the guarantees exceeding the corresponding agent on the day on which the bid is applied with the best information available at the time of lodgement of bids. The bid shall be accepted on a provisional basis, but the agent responsible of the bid unit shall be informed of the result of this verification.

The bid shall be valid again with the balance of surplus guarantees on the day the bid applies to, with the best information available at the time of closure of receipt of bids, based on the simple hourly price offered, not including the matching process if any of the agents do not hold sufficient guarantees.

For each purchase bid included in the matching process, a reduction of the balance of surplus guarantees of agents corresponding for the applicable value of said bid, where applicable, shall be noted. Once the settlement is made, in place of said notation the results of the invoicing shall be stated.

#### **39.5. ACCEPTANCE OF SALES AND PURCHASE BIDS**

Sales or purchasing bids presented by each sales or acquisition unit will become firm at the time the bid acceptance period finishes.

#### **39.6. EFFECTS OF THE INCLUSION OF BIDS IN THE SETTLEMENT PROCESS**

The participating agent on the intraday market should accept the result of the matching process under the terms established in the Rules.

### **RULE 40. MATCHING PROCEDURE ON THE INTRADAY AUCTIONS MARKETS**

#### **40.1. BASIC ELEMENTS GOVERNING MATCHING ON THE INTRADAY MARKET**

The Market Operator will carry out the settlement of energy sales and purchase bids using the simple matching method - which is the matching method which gives the marginal price separately - as well as the volume of energy to be accepted for each buyer and seller for each scheduling period. The said simple settlement method will be adapted by means of the necessary mathematical algorithms to include the possibility in the process to make complex sale bids.

Only conditions foreseen in the Rules will be included in the algorithms incorporated in these rules. For the purpose of these Market Operating Rules, a matching algorithm is defined as an orderly and finite set of mathematical operations which allows obtaining the marginal for each scheduling period. Said price corresponds to the cut-off price of the aggregate sale and purchase curves, with the exception of the provisions of the rule specifying the matching terms for the case of market splitting.

Matching will be carried out using a simple or complex process when simple or complex bids occur, in accordance with the requirements in these rules. In all cases, criteria governing the assignation of production and demand of electricity and the fixing of the marginal price will be the same for simple and complex matching procedures.

## **40.2. SIMPLE MATCHING SCHEDULE**

The Market Operator will obtain marginal prices for each one of the scheduling periods on the same programming horizon, and it will carry out the splitting of energy offered in each scheduling period between sales and purchasing bids using a simple match made up by the following operations:

a) The Market Operator will determine the aggregate sale bid curve, adding the price of the amounts of energy on sale in descending order, irrespective of the sales or purchasing units these proceed from.

b) The Market Operator will determine the electricity aggregate purchasing bid curve, adding the price of the amounts of energy to be purchased in descending order, irrespective of the sales or purchasing units these proceed from.

c) Determination of the cross-over point on the aggregate sale and purchase bid curves for each scheduling period for the marginal price, corresponding to the cut-off point of the aggregate sale and purchase curves, with the exception of the provisions of the rule specifying the matching terms for the case of market splitting.

d) Assignment to each seller, for each electricity sale bid submitted for the same hourly scheduling period, of the electricity being sold during that scheduling period, provided that the said bid price is lower than or equal to the marginal price in the period in question, and provided that there is sufficient electricity required at that price or above it.

e) Assignment to the buyer, for each electricity purchase bid submitted for the same hourly scheduling period, of the electricity being demanded during that scheduling period, provided that the price of the said purchase bid is higher than or equal to the marginal price in the scheduling period in question, and provided that there is sufficient electricity for sale at that marginal price or below it.

f) Since the aggregate electricity sales and purchase curves are discrete stepped curves, their intersection point may give rise to indeterminacy in the assignment of electricity in one or more scheduling periods of the same scheduling horizon. If this situation arises, and when the crossing point of the aggregate electricity supply and demand curves occurs in a horizontal section of either or both curves, the Market Operator shall proceed as follows:

- If there is a surplus supply of electricity for sale, this surplus shall be proportionally deducted from the quantities of electricity found in the block of sale bids from sellers representing those production units whose price is equal to the marginal price of the hourly scheduling period in question.

- In the event of a surplus in the purchase bid, this surplus shall be deducted proportionally from the amounts of electricity included in the purchase bids of the buyers whose price coincides with the marginal price of the scheduling period involved.

To avoid imbalances due to rounding off after the application of the power deductions when there is excess demand or supply at the marginal price, the following procedure shall be applied:

1. Initially, the total power assigned after distribution which does not correspond to a whole value of the decimal place is cut off at the lower whole value of the said decimal place.

2. The degree of imbalance (D) is then evaluated. The imbalance may be caused by the difference between the total accepted demand, when the distribution affects the sale bids, or between the total accepted demand and the total assigned supply, if the distribution affects the purchase bids. The value of D indicates the number of bids that must increase their assignment by 0.1 MWh during the hourly scheduling period in order to correct the imbalance.

3. Finally, the power accepted for a number D of bids that were included in the distribution is increased by 0.1 MWh, choosing first the bids that ended up with a higher residual value after the cut-off of the lower whole value of the first decimal place. If this value comes out equal, the bids submitted previously shall be selected. If this value comes out equal again, the bids submitted previously shall be selected.

g) If, at the intersecting point, the aggregate purchase and sales curves do not meet in the prices of the last electricity sales and purchase unit accepted, (which is equivalent to the electricity sales and purchase aggregate curves coinciding or crossing in a vertical segment of the sales curve), the Market Operator will apply the same criteria as on the day-ahead market, with a different criteria being possible for the intraday market if experience advises this.

#### **40.3. MATCHING PROCEDURE APPLIED WHEN SIMPLE AND COMPLEX BIDS COINCIDE**

If simple and complex electricity purchase and sale bids coincide in the same scheduling horizon, the Market Operator shall include the conditions contained in the said complex bids in the matching process with simple bids, by performing the operations which are indicated below:

##### **40.3.1. SEARCH FOR AN INITIAL VALID SOLUTION**

The objective of this operation is to find a solution consisting in determining marginal prices corresponding to the scheduling periods of the scheduling horizon and an assignment of electricity to each of the sales and purchasing units whose owners have submitted electricity purchase and sale bids in the scheduling period in question, which satisfies the conditions of derived from the complex bids on the intraday market.

To this end, the Market Operator shall apply the simple matching method described in the previous section, to which the operator shall add, as a condition, the obtaining of a solution which complies with the load gradient condition. This method shall be called simple conditioned matching.

In order to incorporate the treatment of conditions derived from complex bids in the search of a first valid solution, the following steps will be carried out:



1. All bids which have been selected on the intraday market are selected.
2. A simple match is carried out with all the selected bids, incorporating the load gradient restriction and the condition of complete acceptance in each hour of the first block.
3. It will be verified that all the bids assigned in the simple matching process comply with the complete acceptance condition of the first block.
4. All bids which do not meet this condition will be selected and ordered according to the Rule "Condition of complete acceptance of the first block", withdrawing the matching of the last bid. With the remaining set of bids, step 2 will be repeated.
5. Once it has been checked that all accepted bids meet the complete acceptance condition of the first block, steps 2 to 4 of the process are repeated with the conditions of a minimum number of consecutive hours of complete acceptance of the block first maximum energy and minimum income/maximum payments, and so on.

#### **40.3.1.1. VERIFICATION OF THE LOAD GRADIENT CONDITION DURING SIMPLE CONDITIONED MATCHING**

##### **40.3.1.1.1. GENERAL DISPOSITIONS**

The purpose of the load gradient condition is to limit the assignment of the volume of power corresponding to a sales or production unit's purchase or sale bid when the variation of power between two consecutive scheduling periods exceeds the value stated in the bid.

For the purpose of this Rule, aggregated energy of a sales or purchase unit is the sum of energy assigned by virtue of the day-ahead viable schedule and intraday markets preceding the current session, plus energy assigned in the matching process of the current intraday market session.

For the purposes of this rule, the following terms are defined:

- Maximum power: the maximum power in the Market Operator's Computer System, or the maximum power available, and the maximum power limited in a unitary way by the System Operators for security purposes, whichever is less.
- Minimum power: the minimum power in the Market Operator's Computer System, or the minimum power limited in a unitary way by the System Operators for security reasons, whichever is greater.

The main criteria which are applied in the verification of the gradient condition are the following:

- The gradient statement is optional. If no value is declared or the value is zero (0), it shall mean that the bid in question does not include this condition.
- Two sets of gradients may be used for each production unit - a start-up / rising gradient and a stop / descending gradient - when the unit increases / reduces its schedule in two consecutive periods.
- Increases or reductions of power during each hour shall always be considered linear.

- The condition shall be checked by analysing each of the scheduling periods directly (that is, by verifying each scheduling period according to the data corresponding to the previous scheduling period), and then inversely (that is, by verifying each scheduling period according to the data corresponding to the following hourly scheduling period).

- During the verification of the gradient condition, no assignation of energy previously agreed on the day-ahead market is modified, only the bids presented on the intraday sessions.

- In any case, the Market Operator will assign the owner of a sales unit which includes the gradient condition in an electricity sale or purchase bid a lower quantity of power than the latter would have received if it had not included the cited condition.

#### **40.3.1.1.2. PROCEDURE**

Following the criteria included in the previous paragraphs, the Market Operator shall follow the procedure outlined below to check the gradient condition:

a) Hour-by-hour verification of the gradient condition proceeding forward in time. (Direct):

- First, matching is done for the first hour of the horizon using all the bids submitted by each unit. This matching produces the total hourly power values for each unit in hour 1 (E1). These values already include the power assigned in the previous dispatch.

- Then the maximum (EM1) and minimum (EN1) power values are calculated for each unit in hour 1. For this first hour, EM1 takes the value of the maximum power for the unit in hour 1, and EN1 takes the value of the minimum power.

- For each unit it is verified whether E1 is among the values obtained for EM1 and EN1. If this is not the case, it is verified whether this problem can be resolved on the basis of limiting bids matched at the unit. That is:

- If E1 is greater than EM1, the operator checks to see whether bids “to raise” (either purchase or sale bids) have been accepted from the unit. If this is the case these bids are limited so that, considering that the same bids are going to end up matched “to lower” (repurchase or resale) in that hour, the new value of E1 cannot exceed EM1.

- If E1 is less than EN1, the operator checks to determine whether, due to the operation of the algorithm, sale or purchase bids have been accepted for purchase or production units, respectively. If this is the case, these bids are limited so that, considering that the same sale or purchase bids will end up matched for production or purchase units, respectively, in that hour, the new value of E1 cannot be less than EN1.

The way to apply these limitations to a unit's bids shall be starting with the highest-priced ones, when dealing with sale bids, and beginning with the lowest-priced ones in the case of purchase bids.

If limitations have been applied to any unit, the matching is repeated in that hour and the previous restrictions are checked again. If new limitations on the unit are necessary, these are added to the ones already applied in previous matchings for the same hour.

If no limitations have been carried out (because of gradient restrictions for all units, or because of the impossibility to resolve the breach), the analysis of existing zone limitations is continued.

For this purpose, it will be examined whether, with the energy matched at that time, all the zone limitations are met. If the opposite is the case, all the units involved in the different limitations which are not met will be selected and limited one by one until all the zone limitations are met.

The way to carry out these limitations on the bids of the units involved will be to start with the most expensive blocks, in the case of sales, and the cheapest ones, in this case purchase bids.

Between sales and purchase bids which affect a zone limit, the one to be withdrawn first will be that block which is closer to the intersection between aggregated purchase and sales curves.

Once a block which provokes a zone restriction breach has been detected, its energy is limited in the amount necessary to make sure the limitation or limitations are complied with in the zone the unit was involved in. Energy for those blocks of purchase offers which help to comply with unavailability will not be limited. The process will continue analysing both curves until there are no zone limits which are not complied with or until there are no more unit blocks involved to examine.

After this, individual limitations are checked again, with the process described being repeated until all the individual and zone limitations have been resolved or there are no more unit blocks involved in limitations which are not met.

Once this stage is reached, matching of the hour is accepted as temporarily valid.

- When the procedure has reached this point, the maximum and minimum power values at the end of hour 1 are calculated for all the units that have declared gradients. This is done as follows:

- If the power assigned in hour 1 (E1) is below the technical minimum, it is assumed that the unit is performing its start-up, and the start-up gradient is selected as the rising gradient (ga); the stop gradient is chosen for the descending gradient (gd). In any other case, ga is chosen as the rising gradient and gd as the descending gradient.

- With the gradients selected, the maximum and minimum power values at the beginning of hour 1 (PM0 and PNo) and at the end of hour 1 (PM1 and PN1) are obtained, assuming maximum linear rises which will uphold the power value E1 obtained, that is:

$$PN0 = E1 - ga * 30 \quad PM1 = E1 + ga * 30$$

$$PM0 = E1 + gd * 30 \quad PN1 = E1 - gd * 30$$

- If PNo is less than the minimum or PM1 exceeds the production unit's maximum power value in hour 1, the rise is reduced to the maximum which allows both values to be feasible. In analogous fashion, the values of PM0 and PN1 are checked and recalculated, if necessary. The maximum and minimum values at the end of hour 1 (PM1 and PN1) are saved to be used at a later stage.

- Next, the match for hour 2 is carried out, obtaining for each value E2 the final energy assigned for hour 2.

- The maximum (EM2) and minimum (EN2) admissible power values for each unit in hour 2 are then computed in the following manner:

- If the unit has not declared gradients, EM2 takes the value of the maximum power for the unit in hour 2, and EN2 takes the value of minimum power.

- If the unit has declared gradients, the values of maximum power (PM2) and minimum power (PN2) at the end of hour 2, are calculated in the following manner:

- To calculate PM2 the value of the rising gradient to be used (ga) is selected. If the maximum power value at the end of hour 1 (PM1) is strictly below the technical minimum declared by the unit, the start-up gradient declared is selected. In any other case, the rising gradient would be chosen.

- With the gradient value selected (ga),  $PM2 = PM1 + ga * 60$  is calculated. If PM2 exceeds the maximum power for the unit in hour 2, this maximum is taken as the new value of PM2.

- In an analogue fashion, to calculate PN2, the value of the descending gradient to be used (gd) is selected. If from value PN1 onwards an inferior value to the minimum technical value at the end of hour 2 with the descending gradient can be reached (that is, if  $PN1 - gd * 60 < MT$ ), then the stop gradient is chosen. Otherwise, the descending gradient is selected.

- With the gradient value selected,  $PN2 = PN1 - gd * 60$  is calculated. If PN2 is lower in value than the minimum power for the unit in hour 2, this value is taken as the new value of PN2.

Once PM2 and PN2 have been obtained, EM2 is calculated as the average value of PM1 and PM2, and EN2 as the medium value of PN1 and PN2.

- A check is made for each unit to determine whether E2 is among the values obtained for EM2 and EN2. If the result is negative, an attempt is made to solve this problem based on limiting the unit's matched bids, in the same way indicated above for hour 1. Whatever limitations needed are applied, and hour 2 is matched again until it is no longer necessary to add more limitations.

- After this, it will be examined whether, with the energy matched at that time, all the zone limitations are met. If the opposite is the case, all the units involved in the different limitations which are not met will be selected and limited one by one until all the zone limitations are met, in exactly the same way as hour 1.

- With the values of E1 and E2 obtained for each unit which has declared gradients, a single value is power value is calculated at the end of hour 2 (P2).

- If the restriction of gradients has been complied with (that is, E1 is between EM2 and EN2), an attempt shall be made to assign a continuous rising or descending load for the two hours. The formula for P2 will be:

$$P2 = E1 + (E2 - E1) * 3/2$$

If the value obtained for P2 exceeds the unit's maximum for hour 2, P2 takes the value of this maximum. In the same way, if P2 is less than the unit's minimum in hour 2, P2 takes the value of that minimum.

- Otherwise, if E2 is greater than EM2, the maximum value between E2 and PM2 shall be taken as P2, and if E2 is less than EN2, P2 shall take the minimum value between E2 and PN2.

- At this point the matching for the following hour (h) is performed in the same way, without taking the gradient restrictions into account for the time being. With the power values obtained (Eh), the Market Operator verifies whether each unit has complied with

the gradient restrictions since the previous hour. To this end, the upper (EMh) and lower (ENh) power limits within which each unit can comply with its limits are verified. These values are calculated as follows:

- If the unit has not declared gradients, EMh takes the value of the maximum power for the unit in hour h, and ENh takes the value of the minimum power.

- If the unit has declared gradients, the values of the maximum (PMh) and minimum (PNh) power at the end of hour h are calculated in the following manner:

- To calculate PMh, the rising gradient (g) value to be used is selected. If the power value at the end of the previous hour (Ph-1) is strictly lower than the technical minimum declared for the unit, the unit's declared start-up gradient is selected. Otherwise, the rising gradient is selected.

- With the gradient value (g) selected,  $PMh = Ph-1 + g * 60$  is calculated. If PMh exceeds the maximum power for the unit in hour h, that maximum is taken as the new value of PMh.

- Similarly, to calculate PNh, a descending gradient value (g) is selected. If, by starting from the value of Ph-1, a value below the technical minimum at the end of hour h can be reached with the descending gradient (that is, if  $PMh-1 - gb * 60 < MT$ ), then the stop gradient is chosen. Otherwise, the descending gradient is selected.

- With the gradient value selected,  $PNh = Ph-1 - g * 60$  is calculated. If PNh is lower than the minimum power value for that unit in hour h, the said value is taken as the new value of PNh.

When PMh and PNh have been obtained, EMh is calculated as the average value of Ph-1 and PMh, and ENh is computed as the average value of Ph-1 and PNh.

- With the values EMh and ENh, compliance with the gradient restrictions in that hour is checked in a manner analogous to the procedure explained above for the first hour. If necessary (if a new limitation has been placed on some unit), matching is done again and the verifications are repeated.

- After this, it will be examined whether, with the energy matched at that time, all the zone limitations are met. If the opposite is the case, all the units involved in the different limitations which are not met will be selected and limited one by one until all the zone limitations are met, in exactly the same way as hour 1.

- When a match has been obtained for hour h which does not require the application of new limitations on bids, the new hour h power values are obtained for each unit (Eh). The power value at the end of hour h (Ph) is obtained in the following way:

- If Ph-1 is greater than or equal to Eh-1 and Eh is greater than Ph-1, (that is, a rising trend can be seen from the previous hour), the following is obtained:  $Ph = Ph-1 + 2 * (Eh - Ph-1)$ .

- If Ph-1 is less than or equal to Eh-1 and Eh is less than Ph-1, (that is, a descending trend can be seen from the previous hour), the following is obtained:  $Ph = Ph-1 - 2 * (Ph-1 - Eh)$ .

- Otherwise, the power level Ph is set at the value Eh.

- In those cases where it has not been possible to ensure compliance with the gradient restriction due to the impossibility of reaching the power value Eh from Ph-1, if Eh is greater than EMh, the maximum value between Eh and PMh shall be taken as Ph, and if Eh is less than ENh, Ph shall take the minimum between Eh and PNh.

- This process continues until the last hour of the session horizon.

b) Hour-by-hour verification of gradient conditions proceeding backward in time. (Reverse)

The gradient conditions are then checked hour by hour, starting from the last hour of the horizon and working backwards to the first, applying a similar procedure to the one used for forward checking:

- The power values ( $E_n$ ) obtained for the last hour of horizon ( $n$ ) are treated as definitively valid.

- For all units that have declared gradients, the maximum and minimum power values at the beginning of hour  $n$  are calculated in the following manner:

- If  $E_n$  is below the technical minimum, the start-up gradient is selected as the rising gradient ( $g_a$ ) and the stop gradient is chosen for the descending gradient ( $g_d$ ). In any other case, the rising gradient is chosen as  $g_a$  and the descending gradient as  $g_d$ .

- With the gradients selected, the maximum and minimum power values at the beginning of hour  $n$  ( $PM_{n-1}$  and  $PN_{n-1}$ ) and at the end of hour  $n$  ( $PM_n$  and  $PN_n$ ) are obtained, assuming maximum linear rises which will uphold the power value  $E_n$  obtained, that is:

$$PN_{n-1} = E_n - g_a * 30 \quad PM_n = E_n + g_a * 30$$

$$PM_{n-1} = E_n + g_d * 30 \quad PN_n = E_n - g_d * 30$$

- If  $PN_{n-1}$  comes out to be less than the minimum or  $PM_n$  exceeds the production unit's maximum power value in hour  $n$ , the rise is reduced to the maximum which allows both values to be feasible. In analogous fashion, the values of  $PM_{n-1}$  and  $PN_n$  are checked and recalculated, if necessary. The maximum and minimum values at the end of hour  $n$  ( $PM_n$  and  $PN_n$ ) are stored for later use.

- The next step is to perform matching for the penultimate hour ( $n-1$ ), obtaining a final power value  $E_{n-1}$  assigned in that hour for each unit.

- Then the maximum ( $EM_{n-1}$ ) and minimum ( $EN_{n-1}$ ) admissible power values for each unit in hour  $n-1$  are computed in the following manner:

- If the unit has not declared gradients,  $EM_{n-1}$  takes the value of the maximum power for the unit in hour  $n-1$ , and  $EN_{n-1}$  takes the value of the minimum power.

- If the unit has declared gradients, the maximum ( $PM_{n-2}$ ) and minimum ( $PN_{n-2}$ ) power values at the beginning of hour  $n-1$  are obtained as follows:

- To calculate  $PM_{n-2}$ , the descending gradient value ( $g_d$ ) to be used is selected. If the maximum power value at the end of hour  $n-1$  ( $PM_{n-1}$ ) is strictly lower than the technical minimum declared for the unit, the declared stop gradient is selected. In any other case, the descending gradient would be chosen.

- With the gradient value ( $g_d$ ) selected,  $PM_{n-2} = PM_{n-1} + g_d * 60$  is calculated. If  $PM_{n-2}$  surpasses the maximum power for the unit in hour  $n-1$ , that maximum is taken as the new value of  $PM_{n-2}$ .

- Similarly, to calculate  $PN_{n-2}$ , a rising gradient value ( $g_a$ ) is selected. If, starting from the value of  $PN_{n-1}$ , a value below the technical minimum can be reached at the

beginning of hour n-1 with the start-up gradient (that is, if  $P_{Nn-2} - g_a * 60 < MT$ ), then the start-up gradient is chosen. Otherwise, the rising gradient would be selected.

- With the gradient value selected,  $P_{Nn-2} = P_{Nn-2} - g_a * 60$  is calculated. If  $P_{Nn-2}$  is less than the minimum power value for that unit in hour n-1, the said value is taken as the new value of  $P_{Nn-2}$ .

Once  $P_{Mn-2}$  and  $P_{Nn-2}$  are obtained,  $EMn-1$  is calculated as the average value of  $P_{Mn-1}$  and  $P_{Mn-2}$ , and  $ENn-1$  is computed as the average value of  $P_{Nn-1}$  and  $P_{Nn-2}$ . If  $EMn-1$  surpasses the value obtained in the direct process, the old value of  $EMn-1$  is taken, and if  $ENn-1$  is lower than the value obtained in the direct process, the old value of  $ENn-1$  is taken.

- A check is made for each unit to determine whether  $En-1$  is among the values obtained for  $EMn-1$  and  $ENn-1$ . If the result is negative, an attempt is made to solve this problem based on limiting the unit's matched bids, in the same way indicated above for hour 1. Whatever limitations are needed are applied, and hour n-1 is matched again until it is no longer necessary to add more limitations.

- After this, it will be examined whether, with the energy matched at that time, all the zone limitations are met. If the opposite is the case, all the units involved in the different limitations which are not met will be selected and limited one by one until all the zone limitations are met, in exactly the same way as hour 1.

- With the values  $En$  and  $En-1$  obtained for each unit that has declared gradients, a single power value is calculated at the beginning of hour n-1 ( $Pn-2$ ).

- If the restriction of gradients has been complied with (that is,  $En-1$  is between  $EMn-1$  and  $ENn-1$ ), an attempt shall be made to assign a continuous rising or descending load for the two hours: The formula for  $Pn-2$  will be:

$$Pn-2 = En + (En-1 - En) * 3/2$$

If the value obtained for  $Pn-2$  exceeds the unit's maximum for hour n-1,  $Pn-2$  takes the maximum. In the same way, if  $Pn-2$  is less than the unit's minimum in hour n-1,  $Pn-2$  is given the value of that minimum.

- Otherwise, if  $En-1$  is greater than  $EMn-1$ , the maximum value between  $En-1$  and  $P_{Mn-1}$  shall be taken as  $Pn-2$ , and if  $En-1$  is less than  $ENn-1$ ,  $Pn-2$  shall take the minimum value between  $En-1$  and  $P_{Nn-1}$ .

- At this point, checking and, if necessary, an additional matching for the two previous hours is performed. For each of those two hours (h), the upper ( $EMh$ ) and lower ( $ENh$ ) power limits within which each unit can comply with its limits are verified in hour h, starting from the value assigned in hour h+1. These values are calculated as follows:

- If the unit has not declared gradients,  $EMh$  takes the value of the maximum power for the unit in hour h, and  $ENh$  takes the value of the minimum power.

- If the unit has declared gradients, the values of the maximum ( $PMh-1$ ) and minimum ( $PNh-1$ ) power at the start of hour h are calculated in the following manner:

- To calculate  $PMh-1$ , the rising gradient (g) value to be used is selected. If the power value at the end of hour h ( $Ph$ ) is strictly lower than the technical minimum declared by

the unit, the unit's declared stop gradient is selected. Otherwise, the descending gradient is selected.

- With the gradient value (g) selected,  $PM_{h-1} = P_h + g * 60$  is calculated. If  $PM_{h-1}$  exceeds the maximum power for the unit in hour h, that maximum is taken as the new value of  $PM_{h-1}$ .

- Similarly, to calculate  $PN_{h-1}$ , a descending gradient value (g) is selected. If, by starting from the value of  $P_h$ , a value below the technical minimum at the end of hour h-1 can be reached with the start-up gradient (that is, if  $PM_{h-1} - g_a * 60 < MT$ ), then the start-up gradient is chosen. Otherwise, the rising gradient would be selected.

- With the gradient value selected,  $PN_{h-1} = P_h - g * 60$  is calculated. If  $PN_{h-1}$  is lower than the minimum power value for that unit in hour h, the said value is taken as the new value of  $PN_h$ .

When  $PM_{h-1}$  and  $PN_{h-1}$  have been obtained,  $EM_h$  is calculated as the average value of  $P_h$  and  $PN_{h-1}$ . If  $EM_h$  surpasses the value obtained in the direct process, the old value of  $EM_h$  is taken, and if  $EN_h$  is lower than the value obtained in the direct process, the old value of  $EN_h$  is taken.

- With the values  $EM_h$  and  $EN_h$ , compliance with the gradient restrictions in that hour is checked in a manner analogous to the procedure explained above for the direct process. If necessary (if a new limitation has been placed on some unit), matching is done again and the verifications are repeated.

- After this, it will be examined whether, with the energy matched at that time, all the zone limitations are met. If the opposite is the case, all the units involved in the different limitations which are not met will be selected and limited one by one until all the zone limitations are met, in exactly the same way as hour 1.

- When a matching has been obtained for hour h which does not require the application of new limitations on bids, the new hour h power values are obtained for each unit ( $E_h$ ). The power value at the beginning of hour h ( $P_{h-1}$ ) is obtained in the following manner:

If  $P_h$  is greater than or equal to  $E_{h+1}$  and  $E_h$  is greater than  $P_h$ , (that is, a descending trend can be seen toward the following hour),  $P_{h-1} = P_h + 2 * (E_h - P_h)$  is obtained.

- If  $P_h$  is less than or equal to  $E_{h+1}$  and  $E_h$  is less than  $P_h$ , (that is, a rising trend can be seen from the previous hour),  $P_{h-1} = P_h - 2 * (P_h - E_h)$  is obtained.

- Otherwise, the power level  $P_{h-1}$  is set at the value  $E_h$ .

- In those cases where it has not been possible to ensure compliance with the gradient restriction due to the impossibility of reaching the power value  $E_h$  from  $P_h$ , if  $E_h$  is greater than  $EM_h$ , the maximum value between  $E_h$  and  $PM_h$  shall be taken as  $P_{h-1}$ , and if  $E_h$  is less than  $EN_h$ ,  $P_{h-1}$  shall take the minimum between  $E_h$  and  $PN_h$ .

- This process continues until the first hour of the session horizon.

#### **40.3.1.2. CONDITION OF COMPLETE ACCEPTANCE OF THE FIRST BLOCK**

For each bid that includes this condition, a check shall be performed to ensure that the matching result includes the assignment of all the power in the first block of the bid.



In the process of seeking the first valid solution, the bids that do not satisfy this condition shall be arranged from highest to lowest according to the percentage of total power accepted for the entire scheduling horizon over the total power corresponding to the first block of the rising bid. In case of equality of this percentage, the bids having a greater amount of power assigned shall have priority. In case of equality of this value, the bids received first in the Market Operator's Computer System shall take precedence.

Following the order indicated above and starting with the bid having the lowest percentage, the bids that do not satisfy the condition shall be withdrawn until all of the bids contained in the solution comply with it.

#### **40.3.1.3. CONDITION OF MINIMUM NUMBER OF CONSECUTIVE HOURS WITH ALL THE FIRST-BLOCK POWER MATCHED**

For each bid that has included this condition, a verification shall be performed to ensure that the result of matching at the time the verification is done includes consecutive series of hours with all the power accepted in the first block of the bid, with a length greater than or equal to the specified minimum value of consecutive hours.

In the process of seeking the first valid solution, the bids that do not satisfy this condition shall be arranged from lowest to highest according to the number of consecutive hours specified in each bid. In case of equality of this number of hours, the bids having a greater amount of power assigned shall have priority. In case of equality of this value, the bids received first in the Market Operator's Computer System shall take precedence.

Following the order indicated above and beginning with the bid with the greatest number of hours, the bids that do not comply with the condition shall be successively withdrawn until all the bids in the solution are compliant.

#### **40.3.1.4. CONDITION OF MAXIMUM POWER ADMISSIBLE PER BID**

##### **40.3.1.4.1. GENERAL DISPOSITIONS**

For each bid incorporating this condition, the algorithm shall ensure that total power assigned to the production or purchasing unit in the bid in question in no way exceeds the maximum power limit applied by the market agent.

The algorithm shall assign power to the sales or purchasing unit according to its bid, period by period, beginning with the first period of the matching horizon. At the moment when the power assigned in any period, added to the power assigned to the previous periods, surpasses the maximum quantity indicated, the power assigned in the period in question shall remain limited to the quantity which makes the total value of the power assigned to the bid in the periods analysed up to the moment equal to the admissible maximum.

##### **40.3.1.4.2. PROCEDURE**

At the beginning of the matching method, each bid shall be given a total assigned value of zero ( $E_{tot} = 0$ ).

During the process of direct hour-by-hour matching (proceeding forward in time), before matching hour  $h$ , a check shall be made to ascertain whether the total power bid

for that hour ( $E_{0h}$ ), added to  $E_{tot}$ , surpasses the maximum power specified for the bid ( $EM$ ). That is, if  $E_{tot} + E_{0h} > EM$ , the unit's bid shall be limited in hour  $h$  to a maximum of  $EM - E_{tot}$ . Then matching is done in hour  $h$  to obtain a value  $E_h$  of accepted power for the unit in the said hour. The value of  $E_{tot}$  is updated by adding the new  $E_h$  value to it.

During the process of reverse hour-by-hour matching (proceeding backwards in time), before matching hour  $h$ , a check shall be made to ascertain whether the total power bid for that hour ( $E_{0h}$ ), added to the total assigned in the rest of the hours ( $E_{tot} - E_h$ ), surpasses the maximum power specified for the bid ( $EM$ ). That is, if  $E_{tot} + E_{0h} - E_h > EM$ , the unit's bid shall be limited in hour  $h$  to a maximum of  $EM - E_{tot} + E_h$ . Then matching is done in hour  $h$  to obtain a new  $E_h$  value of accepted power for the unit in the said hour. The value of  $E_{tot}$  is updated by subtracting the previous  $E_h$  value from it and adding the new  $E_h$  value.

#### **40.3.1.5. JOINT TREATMENT OF MINIMUM INCOME AND MAXIMUM PAYMENT CONDITIONS**

For each bid a check shall be performed to ascertain that the matching result, at the time the minimum income and maximum payments conditions are verified, does not include sale bids that fail to satisfy the minimum income condition, nor purchase bids that do not satisfy the maximum payments condition

It is considered that a sale bid does not satisfy its minimum income condition if the value of the expression  $TFI + TVI * E_{tot}$ , which represents the minimum income requested in the bid (where  $TFI$  and  $TVI$  are, respectively, the fixed and variable terms of its minimum income condition and  $E_{tot}$  is the sum of the accepted power volumes for the sale bid throughout the scheduling horizon) surpasses the sum of the terms  $E_h * Ph$  for all the hours of the scheduling horizon (where  $E_h$  is the unit's accepted power for hour  $h$ , and  $Ph$  the marginal price at that hour) which represents the income obtained by the sale of power assigned throughout the said scheduling horizon.

It is considered that a purchase bid does not satisfy its maximum payments condition if the value of the expression  $TFP + TVP * E_{tot}$ , which represents the maximum payments requested in the bid (where  $TFP$  and  $TVP$  are, respectively, the fixed and variable terms of its maximum payments condition and  $E_{tot}$  is the sum of the accepted power volumes for the bid throughout the scheduling horizon) is less than the sum of the terms  $E_h * Ph$  for all the hours of the scheduling horizon (where  $E_h$  is the unit's accepted power for hour  $h$ , and  $Ph$  the marginal price at that hour) which represents the payments to be made for the purchase of power assigned throughout the said scheduling horizon.

Sale bids that do not comply with the minimum income condition shall be withdrawn from the group of bids included in the solution.

Sale bids that do not comply with the minimum income condition shall be withdrawn from the group of bids included in the solution.

#### **40.3.1.6. CONDITION OF COMPLETE ACCEPTANCE OF THE FIRST BLOCK IN EACH HOUR**

Before beginning the processing of the condition of complete acceptance of the first block in each hour, the system has a solution which allows the existence of blocks containing partially accepted bids, due either to splitting rules, limitation by gradient, maximum power.

The procedure for checking the complete acceptance of the first block in each hour shall consist of verifying whether there is any partially accepted bid which is marked as first block, and in which the checking of the mentioned condition has been specified.

If any bid block having these characteristics exists, the algorithm shall cancel those blocks and repeat all the steps of simple matching, distribution, verification of gradients and maximum power.

The process shall continue until no partially accepted first bid block remains whose overall bid specified the condition of complete acceptance of the first block in every hour.

#### 40.3.2 PROGRESSIVE IMPROVEMENT OF THE FIRST VALID SOLUTION

Once a first valid solution has been found in which the bids included respect all the conditions attached, a process of seeking the final solution begins. The final solution is defined as the resolution for which all the bids included in matching satisfy their complex conditions at the prices resulting from the matching, where there is no bid, among those excluded from matching, that satisfies its complex conditions at the said prices. This process is called expansion.

The objective of this search process is to obtain a minimal or zero result for the sum of the margins of the unaccepted purchase and sale bids, and for which said margin is positive, according to the formulation shown below. The margin of a sale bid is the difference between the income it would obtain corresponding to the marginal price and the income declared / requested in the bid, either through the prices introduced (bid without the minimum income condition) or through the minimum income condition (otherwise). The margin of a purchase bid is the difference between the maximum quantity to deliver stated in the bid—either through the prices introduced (bid without the maximum payments condition) or through the maximum payments condition (otherwise)—and the corresponding payments at the marginal price.

$$M(of) = \sum_{h=1}^H \sum_{t=1}^T [E(of, t, h) * PM(h)] - IMIN(of)$$

for sale bids and

$$M(of) = PMAX(of) - \sum_{h=1}^H \sum_{t=1}^T [E(of, t, h) * PM(h)]$$

for purchase bids, where:

$E(p, t, h)$ : Power of block  $t$  of the production unit that was matched in hour  $h$  at the price resulting from matching  $p.m. (h)$ .

$IMIN (pl)$ : One of two alternatives:

- Minimum income solicited in the bid, according to the power volumes that would have been matched at the price resulting from matching  $p.m. (h)$ , for bids stating the minimum income condition.

- Income that the bid would have received, according to the power volume that would have been matched at the price resulting from the matching p.m. (h), at the prices included in the bid, otherwise.

PMAX (pl): Maximum payment stated in the bid, according to the power volumes that would have been matched at the price resulting from matching p.m. (h), for bids that have declared the maximum payments condition.

- Payment that the bid would have made, according to the power volumes that would have been matched at the price resulting from matching p.m. (h); otherwise, at the prices included in the bid.

M (of): Bid margin.

For all the bids whose income margin M (of) is positive, the variable TMI shall be calculated:

$$TMI = \sum_{of=1}^U M(of)$$

Each time the Market Operator matches a combination of bids and the combination comes out valid, it shall verify whether the TMI of the said combination is less than, greater than or equal to the TMI corresponding to the best known combination of electricity sale bids.

- If the TMI is higher, the Market Operator shall record the combination of bids as tested and valid.

- If the TMI is lower, the Market Operator shall select the new bid combination as the best identified up to that moment.

- If the TMI is equal, the Market Operator shall select the combination that has a lower weighted power price. If the equality persists, the Market Operator shall select the combination that contributes a higher average margin to the production units.

The process of seeking a final solution shall be limited in time to thirty (30) minutes, and in number of iterations to three thousand (3,000), which the Market Operator shall store in its computer systems.

If the search process does not turn up any solution that satisfies the condition of being the final solution sought, the program shall give as a solution the one that obtains a lower TM. In this latter case, the Market Operator shall store the number of iterations effected in its computer system.

#### **40.4. MATCHING PROCESS WHEN THE NET REFERENCE EXCHANGE CAPACITY IN THE INTERNATIONAL INTERCONNECTIONS IS EXCEEDED**

Once a final provisional solution has been obtained, without taking into consideration maximum capacity at international interconnections reported by the System Operators before closing the reception of bids on the intraday market, the final provisional solution with interconnections will be calculated.

The matching process on the intraday auctions market is based on the existing market splitting mechanism for energy offered in Spain and Portugal. Thus, the process is built in two phases, and the second phase is only applicable if case congestion occurs

in the Spanish-Portuguese interconnection (a situation where market separation as such occurs).

Phase 1: All energy offered on the intraday auctions markets is matched as if there were no limitations in the Spanish-Portuguese interconnection (single market). The same sales and purchase curves are inserted in all energy blocks, and a single price is obtained for all energy matched.

Phase 2: If there is congestion at a given time in the Spanish-Portuguese interconnection, the market would be divided into two zones at that time (market splitting), matching the energy offered by units located in Spain, France, Andorra and Morocco and the energy offered by units in Portugal in the Portuguese zone, and both zones would take into account the energy flowing from one zone to another through the interconnection.

The rules below describe the complete simple and complex matching process for both phases, phase 1 in the single zone and phase 2 in both zones, in the event said phase 2 were to occur.

For all price references made in these rules, it will be understood that the price refers to the single market in the case of phase 1 (there is no congestion in the interconnection and, therefore, no market splitting occurs), and the price for the area where the unit is located, Portugal or Spain, in the case of phase 2 (the market splitting situation).

#### **40.4.1. APPLICATION SCENARIO**

The Market Operator shall perform the calculation of the final solution, which shall be considered provisional, when the following conditions coincide:

- The balance of power resulting from the bids included in the provisional final solution and the one committed to in previous processes surpasses, for any of the international interconnections, in any of the scheduling periods, the maximum or reference capacity established by the system operators in any of the flow directions.

#### **40.4.2. PREDETERMINATION OF THE DATA TO CONSIDER**

1. The Market Operator shall obtain a solution in the matching process, called the first provisional final solution, assuming an unlimited exchange capacity in the interconnections.

2. If in the scheduling horizon the conditions established in the “Application Scenario” paragraph above is met, the Market Operator shall calculate, for each of the international interconnections and scheduling periods, the balance of power flows of the purchase and sale bids included in the provisional final solution. This balance will be increased by the relevant losses, taking into consideration the reciprocal agreements reported to the Market Operator by the Ministry of Energy, Tourism and the Digital Agenda.

3. The Market Operator shall calculate the maximum capacity to be taken up by the balance determined in the paragraph above, in all the international interconnections and in all the scheduling periods. This maximum shall be equal to the maximum capacity published by the system operators, considering the schedules committed to in previous processes that affect the international interconnection. If this balance were to have a negative value, it will be equal to zero.

In the case of interconnections with the French electricity system, only the previous PHF schedule will be considered definite, or the PDVD for the first session on the intraday market, in order to calculate the balance of the interconnection, of units with assignation of physical capacity rights.

#### **40.4.3. PROCEDURE FOR DETERMINING THE DEFINITIVE SOLUTION**

The Market Operator shall calculate a new final solution with interconnections.

In the case that the balance of the energy flow matched in the first provisional solution, exceeds the maximum described in the previous process for any of the interconnections, France, Andorra or Morocco in any of the flow directions and scheduling periods, the matching process will continue withdrawing energy from the bids presented for the interconnection in the flow direction the excess exists in, for the relevant scheduling period, until obtaining a matching result which is not over the maximum values assigned to the entire set of market bids or those which have been withdrawn in the matching process of all energy bids presented in the direction of the flow excess. The following steps will be taken to achieve this:

1. Energies from purchase or sale bids from units with assignation of physical capacity rights will be accepted on the intraday market matching process, as long as their bid price is lower or higher, respectively, than the marginal price resulting from the intraday market and this will be done irrespective of the rest of the bids made on the market which are intended to be made through the same interconnection and flow direction, with its scheduling being subject solely to the existence of enough capacity for its individual realization.

2. Energies offered in the relevant scheduling blocks will be withdrawn, for the tie-ups and flow directions in which excess flow exists, which have not been matched in the first final provisional solution, except those corresponding to units with assignation of physical capacity rights which will still be considered in the matching process. Energies withdrawn will not be considered in the next iterations of the matching process carried out to obtain a solution which meets bid conditions and the maximum energy balance exchanges of market bids.

For the withdrawal of energy bids the price of the purchase bid at a lower price will be selected first, for each scheduling period, which is in the excess direction in any of the international interconnections with France, Andorra or Morocco, and the price of the bid at the highest price, for each scheduling period, which is in the excess direction of any of the international interconnections with France, Andorra or Morocco, without considering in both cases the purchase or sale bids of units with physical rights capacity. For each scheduling period, energy matched in purchasing bids at a lower price than the selected purchase price (C) and energy matched in bid prices at a higher price than the selected sales price (V). The process will start with purchases or sales depending on whether C or V is lower for each scheduling period. In the case the values of C or V are equal, the process will start with purchases.

The value of energy to be withdrawn for each interconnection with France, Andorra or Morocco will be the lower value between the interconnection and the direction, and the value of energy matched at the same price for the selected interconnection and the direction in which an excess exists, except in units with assignation of physical capacity rights.

- In the case several bids at the same price and a different interconnection are involved, all bids matched at the same price will be withdrawn simultaneously,

irrespective of the international interconnection with France, Andorra or Morocco these belong to.

- In the case of energy corresponding to bids from units with assignment of physical capacity rights, these will be exempt from withdrawal in the matching process.

- In the case two or more bids for the same interconnection are involved from which energy can be withdrawn at the same price, and also when the value of the energy for bids to be withdrawn is lower than the sum of energy matched for these bids, a prorating process proportional to energy matched at that price will be carried out for each one of these.

- For purchase bids for which the calculation of energy to be withdrawn from bids on the market, the market losses coefficient will be considered.

Energies from bids withdrawn will not take part in successive iterations of the algorithm carried out to obtain a solution which complies with all the maximum balances for all international interconnections.

3. Once energy bids at the same price for each interconnection and direction in which excess flow exists are withdrawn, the matching process will be carried out again checking the maximum flow in each of the interconnections and scheduling periods, in both flow directions, repeating the process described.

It will not be possible in any event to withdraw power committed to markets or processes prior to the matching process on the intraday auctions markets.

4. In the case of excess in the balance of power matched on the market in any of the scheduling periods and interconnections with France, Andorra or Morocco with respect to the maximum calculated, and in the event that there are no energy bids in the direction of the excess for the interconnection and scheduling period for which the excess exists (except in the case of physical units with physical capacity assignment rights), energy for bids from units with physical assignment rights will be withdrawn if it is in the same flow direction, scheduling period and interconnection, in which excess exists, up to the amount necessary for no excess to exist, with the limit of energy offered on the intraday market session.

As a result of the matching process, considering the existence of complex bid conditions, exceptionally it may occur that there is free capacity or energy offered by units with physical rights assignment which is not matched, with the price resulting from the match being higher or lower than the price offered for the said contracts, depending on whether the units with assignment of capacity rights are import or export units.

#### **40.4.4. MARKET SPLITTING PROCEDURE IN THE CASE OF CONGESTION ON THE SPANISH-PORTUGUESE INTERCONNECTION**

In the case of the Spanish-Portuguese interconnection, within the market splitting mechanism on the intraday market, if congestion were to occur in the interconnection at a given time, the following steps would be taken:

The matching process will be repeated for the Spanish zone according to the rule "Procedure for determining the definitive solution" with the consideration of the import or export up to the maximum value (considering the occupation determined by prior schedules) with the Portuguese electricity system, depending on the direction of the congestion. The matching process will therefore be performed considering all the valid bids submitted except for those corresponding to units in the Portuguese electricity

system, plus an additional bid at an instrumental price. The additional bid shall be the purchase at instrumental purchase price in the case of congestion from the Spanish system to the Portuguese system and at instrumental sale price in the case of congestion from the Portuguese system to the Spanish system. This additional bid shall have priority in the matching process over the bids at instrumental price.

The matching process will be repeated for the Portuguese zone according to the rule “Intraday Auctions Markets Matching procedure execution” with the consideration of the maximum import or export up to the maximum value (considering the occupation determined by prior schedules) with the Spanish electricity system, depending on the direction of the congestion. The matching process will therefore be performed considering all the valid bids submitted corresponding to units in the Portuguese electricity system, plus an additional bid at an instrumental price. The additional bid shall be the sale at instrumental sale price in the case of congestion from the Spanish system to the Portuguese system, and shall be the purchase at instrumental purchase price in the case of congestion from the Portuguese system to the Spanish system. This additional bid shall have priority in the matching process over the bids at instrumental price.

## **RULE 41. RESULT OF THE MATCHING OF THE INTRADAY AUCTIONS MARKET.**

### **41.1 CALCULATION OF INCREMENTAL SCHEDULE RESULTING FROM INTRADAY AUCTION MARKET:**

Once the bids entering the matching process sent by agent are established in accordance with the rules of the market, the market operator shall carry out the matching process obtaining an incremental schedule resulting from the intraday auctions market (PIBCI).

### **41.2 ESTABLISHING THE ORDER OF ECONOMIC PRECEDENCE OF MATCHED BIDS IN THE MATCHING RESULT.**

The market operator shall establish the order of precedence of bids match, partially matched and unmatched, taking the tranches of energy and their prices as the basis, without considering any complex condition of the bids. Said order shall have the following considerations:

- In the event that the tranches of the bid have the same prices, these are ordered in decreasing value of date, hour, minute and second of lodgement in the Market Operator Information System.
- In the event that the mentioned date, hour, minute and second also coincide in both bids, these are ordered from highest to lowest quantity of energy in the tranche.
- In the event that the quantity of energy also coincides, they shall be organised in alphabetical order and where necessary in decreasing numeric order.

## **RULE 42. INFORMATION ON THE ACCEPTANCE PROCESS, VERIFICATION OF BIDS AND THE RESULT OF THE MATCHING OF THE INTRADAY AUCTION MARKET.**

As a result of the acceptance processes, verification of bids and the result of the matching of the intraday market, the market operator shall generate the following information, which they shall make available as described:



Information on the process for acceptance and verification of bids.

- The result of the acceptance or not and verification of both the lodgement of the bid and the prior validation of the matching, shall be made available to the market agent with the reasons for the exclusion in the terms established in these rules, when so requested. Said information shall be available at the time it is generated.

- Valid unit acquisition or sale bids presented to the session.

The set of valid sale and acquisition bids presented to each of the sessions of the intraday market shall be made available to system operators with the corresponding confidentiality established in the current rules, after the completion of the matching with each intraday market.

Information from the result of matching of the intraday auctions market.

- Prices resulting from matching.

They shall be generated as a result of matching process of each of the intraday auction market sessions and will be public and, moreover, will be made available to the market agents, published after their generation.

They shall be made available to the system operators as soon as soon the claims period for the result of the matching ends.

- Intraday Incremental Base Matching Schedule (PIBCI).

Shall be generated as a result of the matching process of each of the intraday market sessions and shall be made available to the market agents with the established confidentiality established in the present rules, immediately after their generation.

They shall be made available to the system operators, with the corresponding confidentiality, as soon as soon the claims period for the result of the matching ends.

The market operator will make available to the system operators, with the corresponding confidentiality, the provisional incremental schedule resulting from the matching assigning in advance a generic bid unit, the values corresponding to the generic acquisition bid unit, with its sign. The generic bid unit will have positive and negative values and will serve exclusively to make the result of the matching available to the system operators.

- Intraday Incremental Base Matching Schedule (PIBCI).

Shall be generated as a result of the matching process of each of the intraday market sessions and shall be made available to the market agents with the established confidentiality established in the present rules, immediately after their generation.

- The order of economic precedence.

Shall be generated as the result of the matching process and for each schedule period of the schedule horizon of each of the intraday market sessions and shall be made available to the system operators with the corresponding confidentiality as soon the claims period for the result of the matching ends.

- Aggregate supply and demand curves.

Shall be generated as a result of the matching process of each of the intraday market sessions and shall be made available to the market agents with the established confidentiality established in the present rules, immediately after their generation.

– Occupation of each of the international interconnections per hour with indication of maximum commercial capacity for import and export of each interconnection, the occupied capacity in each direction and interconnection and the free capacity in each direction and interconnection. Will be generated as a result of the process of matching each of the schedule periods with the intraday market sessions and will be public.

#### **RULE 43. EXCEPTIONAL SITUATIONS IN INTRADAY AUCTION MARKETS.**

Exceptional situations are those that determine the impossibility of carrying out correctly the process of presentation and acceptance of bids of the matching process.

The situations referred to in the previous section might be a consequence, by way of example, of one or some of the following circumstances:

a) Impossibility of carrying out the successive improvement process of the first valid solution.

In the event that it is not possible to execute the successive improvement process of the first valid solution, the first valid solution as a result of the matching process.

b) Force majeure

b.1) If foreseeable, but inevitable, the market operator will suspend the corresponding intraday market auction session. From this moment and until the following intraday market auction session, the market operator will make available to the agents, as far as possible, the negotiation in the continuous intraday market.

b.2) If, once the intraday market session is open, faults are detected in the IT, computer applications malfunction or communications equipment of the market operator that impede the correct functioning of same, the market operator may suspend the session, without prejudice to the negotiation of the continuous intraday market, notifying the system operators with the information available so that it can resolve the agreement with the applicable system operation procedures.

c) Impossibility of determining the matching as a consequence of the technical conditions and complex bids.

Where there is no possibility of finding a solution, as a consequence of the technical conditions and the complex bids, the market operator shall proceed to finalise the session without assigning any amount of electricity to any of the sale or acquisition bids presented.

#### **43.1 UNAVAILABILITY OF FEASIBLE DAY-AHEAD SCHEDULE.**

If system operators do not publish the Definitive Feasible Day-ahead Schedule (PDVD) on time and without prejudice to what is described in the Rule "SEQUENCE OF OPERATIONS OF INTRADAY MARKETS", the market operator may take the decision to suspend the intraday market session, amending the session schedule horizon, completing the matching of the full schedule horizon corresponding to said session, but declaring all effect of the result for any hours of the horizon for reasons of force majeure.

## **RULE 44. INTRA-DAY-AHEAD MARKET SETTLEMENT**

The Market Operator will determine the settlement of power for each intraday market agent and in each scheduling period, for each acquisition unit, sales unit and, if applicable, physical unit.

### **44.1. DETERMINATION OF THE RETRIBUTION CORRESPONDING TO SELLERS AS A RESULT OF THE INTRADAY MARKET SETTLEMENT**

Sellers who operate on the intraday auctions market will receive for each sales unit, purchase unit and for each scheduling period a retribution which will incorporate the marginal price on the intraday market in each scheduling period in the bidding zone where the unit is located.

The Market Operator will carry out the day-ahead settlement of electricity for each seller who participates on the intraday market and for each sales or purchase unit which has been incorporated in the resulting matching schedule.

In order to carry out these settlements, the Market Operator will carry out the relevant entries in the books on the registry created for this purpose for each sales unit.

### **44.2. PRICES TO CONSIDER IN THE DETERMINATION OF ELECTRICITY PURCHASE PRICES ON THE INTRADAY AUCTIONS MARKETS**

Purchasers who operate on the intraday auctions markets will satisfy, for the electricity purchased, and for each scheduling period, a price including the marginal price of the intraday market for each scheduling period in the bidding zone where the unit is located.

### **44.3. DEBT COLLECTION RIGHTS ON THE INTRADAY AUCTIONS MARKETS**

The seller whose bids have been matched during the intraday market hiring session and incorporated in the schedule resulting from the matching process will have a debt collection right which is calculated as the result of the electricity whose sale is assigned in each scheduling period to its production or purchase unit, or a production unit it is not the owner of but which it represents in its own name and on behalf of another, for the marginal price set for this unit in the corresponding hiring session in the bidding zone where the unit is located.

The seller's collection right shall be:

$$DCI(u,h,s,z) = EPIBC(u,h,s,z) * PMHI(h,s,z)$$

where:

$DCI(u,h,s, z)$  Seller's collection right in the intraday market for the bid corresponding to sales or purchase unit  $u$ , located in the bidding zone  $z$ , for hour  $h$  in session ' $s$ '.

$EPIBC(u,h,s,z)$  Sale power assigned to sales or purchasing unit  $u$ , located in the zone  $z$ , in bidding hour  $h$  in intraday market session ' $s$ ' (PIBC).

$PMHI(h,s, z)$ : Hourly marginal price corresponding to hour  $h$  in intraday market session ' $s$ ' in the bidding zone  $z$ .

#### 44.4. PAYMENT OBLIGATIONS ON THE INTRADAY AUCTIONS MARKETS

The buyer whose purchase bids have been matched during the intraday market hiring session and incorporated in the result from the matching process will have an obligation to pay, which is calculated as the result of the electricity whose purchase is assigned in each scheduling period to the sales unit, purchase unit or, where appropriate, a physical unit that it owns or does not own but represents in its own name and on behalf of another, for the marginal price set for this unit in the corresponding hiring session for the bidding zone where the unit is located.

The buyer's obligation for each purchase bid in hour h shall be:

$$OPI(u,h,s,z) = ECPIBC(u,h,s,z) * PMHI(h,s,z)$$

where:

$OPI(u,h,s,z)$ : Buyer's obligation to pay in the intraday auctions markets emanating from the bid corresponding to purchasing or sales unit u, located in the bidding zone z in hour h in session 's'.

$ECPIBC(u,h,s,z)$ : Purchased power corresponding to bidding purchase unit, sales unit, u, located in the bidding zone z for hour h in session 's'.

#### 44.5. INCOME ON THE INTRADAY AUCTIONS MARKETS DUE TO THE MARKET SPLITTING PROCESS IN THE INTERCONNECTION BETWEEN SPAIN AND PORTUGAL

Settlement on the intraday market following the application of the market splitting process will produce income which will be calculated as the product of the exchange capacity effectively used in the framework of the market splitting process in each scheduling period times the difference of marginal prices set for this period for each of the bidding zones. These incomes, referred to as congestion charges, shall be shared in equal parts between the Spanish electricity system and the Portuguese electricity system.

A charging right will be accounted in each operator system in the credit of hour h as:

$$DCPIBCPTES\_CI(h,s) = 0.5 * \text{abs}(EPIBCPTES(h,s)) * \text{abs}(PMHI(h,s,z1) - PMHI(h,s,z2))$$

where:

$DCPIBCPTES\_CI(h,s)$ : Collecting right in hour h, in the "s" contracting system in the intraday market, allocated in the account of the Spanish and Portuguese systems operators, for the application of the market splitting process between the bidding zones.

$EPIBCPTES(h,s)$ : Is the exchange capacity effectively used in the framework of the market splitting process in hour h, trading session "s" of the intraday market, in the bidding zones.

$z1, z2$ : Are sub-indexes referring to the Spanish and Portuguese zones respectively.

#### **44.6. PUBLICATION OF INTRADAY AUCTIONS MARKETS SETTLEMENT RESULTS**

In accordance with general confidentiality regulations established in this rule, after each intraday auctions markets session the Market Operator will make the following information available to market agents using its information systems: the results on debt collection rights and payment obligations derived from the said market session, for the day-ahead scheduling horizon corresponding to each hiring session.

The entries corresponding to each contracting session shall be provisional when:

(a) The corresponding matching is provisional according to the rule “SEQUENCE OF OPERATIONS IN THE INTRADAY MARKET”.

(b) The existence of pending claims regarding the development of any trading session of the market for the production of electric energy.

(c) The subsequence appearance of erroneous values in the settlement.

These entries shall become final when none of the above circumstances concurs, except in the case in which for one or more of these reasons a new settlement has to be made, in which case the new entries shall be final when there is no concurrence of any cause for provisional consideration among those mentioned in the preceding paragraphs.

#### **CONTINUOUS INTRADAY MARKET**

##### **RULE 45. PURPOSE AND UNDERPINNINGS.**

Pursuant to the provisions of Spain's Royal Decree 2019/1997, of 26 December, and Commission Regulation (EU) 2015/1222 of 24 July 2015, establishing a guideline on capacity allocation and congestion management (hereinafter CACM), the purpose of the continuous intraday market is to attend to the sale and purchase of energy that may occur during the hours closest to the time of physical delivery of the energy (real time), taking into account the Definitive Day-ahead Viable Schedule (PDVD, in its Spanish initialism) and the result of the successive intraday auctions held by the market operator.

The continuous intraday market is structured according to the following rules:

a) The trading period on the continuous intraday market shall be established according to the content of the CACM.

b) The initial moment for the submission of sale and purchase orders on the continuous intraday market and the period for their presentation shall be specified in annex 1 hereto.

c) The market operator shall provide agents with the option to trade at least the hourly product, as specified in annex 1, with the option of more products.

d) Any increase or decrease in the number of tradeable products on the continuous intraday market shall be determined by the market operator, following a prior report to the Market Agents Committee and the authorization of the corresponding regulatory bodies.

e) A contract is a product applied to an instant, with a specific start and end, for which market agents may submit sale and/or purchase orders during the trading period in effect.

f) The status of each contract shall enable agents to submit orders to the continuous intraday market. There are four possible statuses:

- FIN: Contract closed and ended. No orders may be accepted for a trading period with this status.

- TRADE: Contract open and being traded. Orders may be accepted for a trading period with this status.

- UPC: Contract closed and pending its opening for trading. No orders may be accepted for a trading period with this status.

- INT: Contract with trading suspended by the European Continuous Intraday Market Platform. No orders may be accepted.

The life-cycle (start-trading-end) of each contract for each product shall follow a set timetable, as specified in annex 1.

g) The definition of round applies to the trading period on the continuous intraday market in which the operations undertaken by the agents are grouped together for common processing. A round opens as soon as the immediately preceding round closes. The gate closure time of a round is associated with a contract's end of trading on the European Continuous Intraday Market Platform.

The increase or decrease in the number of auction sessions on the intraday market and their impact on the operation and trading time-frame on the continuous intraday market shall be specified by the market operator, following a prior report to the Market Agents Committee and the authorization of the corresponding regulatory bodies.

## **RULE 46. ORDERS SUBMITTED TO THE CONTINUOUS INTRADAY MARKET.**

### **46.1 ORDERS**

Several sale and/or purchase orders may be submitted for the same contract being traded and for the same trading unit that shall be processed separately.

The following information, at least, is to be provided for each order:

- Contract tendered.

- Bid unit or portfolio.

- Amount of energy tendered, expressed in MWh as a whole number to one decimal point.

- Price of the order, expressed in €/MWh, to two decimal points.

- Whether it is a sale or purchase order.

- The terms and conditions applicable to the order, as specified in the rule “Terms and conditions governing orders on the continuous intraday market”.

This information may be modified depending on the product involved, as defined in annex 1.

## **46.2 ORDER SUBMISSION PROCESS.**

Sale and purchase orders may be submitted to contracts in trading status.

Market agents may submit their sale and purchase orders through the Market Platform provided by the market operator, in which they are to include all the information required for their submission.

In addition, in continuous intraday market trading, and with a view to simplifying the process, market agents may select the orders for a specific contract with which they wish to close a trade, for the amount and price, featuring at that moment in the Order Book. In this case, the trading client provided by the market operator is to generate an order with those amount and price parameters, always within the valid limits, with the agent being entitled, prior to its submission, to modify them and add conditions to its order.

### **46.2.1 MAXIMUM AND MINIMUM LIMITS OF THE AMOUNT AND PRICE OF ENERGY ACCEPTED BY THE MARKET OPERATOR ON THE CONTINUOUS INTRADAY MARKET.**

As soon as the order is processed, the market operator shall check the prices do not fall outside the upper and lower limits set in the Market Operator Information System, pursuant to current legislation. At the same time, a check is also to be made to ensure that the energy order does not exceed the maximum amount. If it does, the order is to be rejected.

The values in terms of the limits on quantity and price for including the sale and purchase orders on the continuous intraday market shall, nonetheless, be as follows:

- Maximum amount: in MWh, pursuant to the provisions of the European Continuous Intraday Trading Platform.
- Maximum price: as specified in annex 1.
- Minimum price: as specified in annex 1.

They are displayed in the Order Book and matchings may be made with orders that fall outside the upper and lower price limits permitted by the Iberian market operator for those sale and purchase orders originating from or destined for other European market operators.

### **46.2.2 VALIDATION OF ORDERS.**

All orders received on the Market Operator's Market Platform, and prior to their submission to and inclusion in the Order Book, are to undergo a validation process, with there being conditions for each order's acceptance.

Any sale and purchase orders that do not meet the acceptance criteria shall be rejected and dismissed. Accordingly, orders are to undergo the following acceptance checks:

- The contract is in a status that permits the reception of orders (TRADE).
- The market agent is empowered to submit sale and purchase orders for that contract when the order is validated.

- The market agent is registered at that moment with the market operator.
- The bid unit or portfolio for which the order is submitted is valid, in force and the agent is responsible for submitting orders for that unit.
- A check is to be made to ensure the order's economic value does not exceed the corresponding operating limit. If the bid unit is under shared ownership, the owner agents are to have a sufficient operating limit to cover the percentage of the order under their ownership.
- The amount and price of the bid are to fall within the limits set accordingly by the market operator.

### **46.2.3 INFORMATION RECEIVED BY THE SYSTEM OPERATORS: NON-AVAILABILITIES, RESTRICTIONS ON THE RIGHT TO BID, AND COMMERCIAL CAPACITIES ON CROSS-BORDER INTERCONNECTIONS.**

#### **46.2.3.1 DEFINITION OF NON-AVAILABILITIES ON THE CONTINUOUS INTRADAY MARKET AND INCLUSION OF THEIR INFORMATION.**

Notwithstanding the provisions for other markets in the rules on the “Definition and inclusion of information on non-availabilities”, the information on non-availabilities is to be included in the Market Operator's Information System, with annex 1 specifying the application deadline for the continuous intraday market and for the purpose of validating an order submitted in a round.

#### **46.2.3.2 DEFINITION OF RESTRICTIONS ON THE RIGHT TO BID ON THE CONTINUOUS INTRADAY MARKET AND INCLUSION OF THEIR INFORMATION.**

Notwithstanding the provisions for other markets in the rules on the “Definition and inclusion of information on restrictions on the right to bid and zonal restrictions”, the information on unitary restrictions is to be included in the Market Operator's Information System, with annex 1 specifying the application deadline for the continuous intraday market and for the purpose of validating an order submitted in a round.

#### **46.2.3.3 DEFINITION OF THE COMMERCIAL CAPACITIES OF CROSS-BORDER INTERCONNECTIONS ON THE CONTINUOUS INTRADAY MARKET AND INCLUSION OF THEIR INFORMATION BY SYSTEM OPERATORS.**

The information on the import and export capacities and their review by the system operators provided for the European Continuous Intraday Trading Platform is to be effected through the latter and will involve information on the free import and export capacity in each scheduling period for each one of the interconnections in the Spanish electricity system.

### **46.2.4 VERIFICATIONS OF THE MAXIMUM SALE ENERGY TO BE BID IN A CONTRACT.**

The market operator is to check that the order's data are consistent with the information contained in the Market Operator's Information System.

### **BID UNITS**



For the maximum energy to be bid in a contract, in the case of the sale order of a sale unit, a check is to be made to ensure the energy included in the order for each contract period, plus the schedule of the bid unit for each period at that moment, plus the energy of the current sale orders on the European Continuous Intraday Trading Platform as regards each period included in the contract does not exceed any one of the following values:

- The unit's maximum energy in the market operator's database.
- The maximum energy available considering the non-availabilities applicable.
- The energy limited by the applicable unitary restrictions notified by the system operators.

For the maximum energy to be bid in a contract, in the case of the sale order of purchase units, a check is to be made to ensure the schedule of the bid unit for each period at that moment, minus the energy of the current sale orders on the European Continuous Intraday Trading Platform as regards each period included in the contract, minus the energy included in the order for each contract period, is higher than or equal to the maximum among the following:

- The unit's minimum energy, zero, in the market operator's database.
- The energy limited by the applicable unitary restrictions notified by the system operators.

If the energy tendered exceeds the maximum limit in any one of the trading periods, the order shall be rejected in full.

In the event the restrictions applied are not compatible with the non-availabilities applied, the market operator is to allow the agent to bid complying with the non-availabilities insofar as possible.

## **PORTFOLIO UNITS**

For the maximum energy to be offered, in the case of a selling bid from a sales portfolio unit, a check is to be made to ensure that the energy included in the bid for each Contract, plus the previous schedule of that unit for each Contract, plus the energy of The sale bids in force in the European Continuous Trading Platform in relation to each Contract does not exceed the minimum of the following values:

- The power declared by the agent for the sales portfolio unit.
- The result of adding the maximum energy increases of the sell bidding units in which the unit can be disaggregated, plus the maximum energy decreases of the buying units in which the portfolio unit can be disaggregated.

The maximum energy increases of the sales bidding units will be calculated as the difference between the maximum hourly energy and the hourly energy of the accumulated program of the last auction held. Understanding for maximum hourly energy, with the information in force before the start of the round in which it is being offered, the minimum among:

- The maximum power of the bidding unit.
- The energy available according to the unavailability received by the System Operators that apply to that bidding unit.

- The maximum energy limited by the unit limitations that apply that had been communicated by the System Operators.

The maximum energy decreases of the selling bidding units will be calculated as the difference between the accumulated hourly energy of the last auction schedule and the minimum hourly energy. Understanding minimum hourly energy, with the information in force before the start of the round in which it is being bid, the maximum between:

- The minimum hourly energy of the bidding unit, 0 MW.
- The minimum energy limited by the unit limitations that apply that had been communicated by the System Operators.

In the event that the calculation of the maximum increase or the maximum decrease of a bidding unit for a specific period yields a negative result, its contribution to the sum of each Contract will be void.

For the maximum energy to be bid in case of a selling bid of a portfolio purchasing unit, a check is to be made to ensure that the schedule of the portfolio unit for each Contract, less the energy included in the bid for each Contract, less the energy of the current selling bids in the European Continuous Trading Platform in what affects each Contract does not exceed the minimum energy of the portfolio unit in the database, that is to say zero, of the Market Operator.

In case that the energy bid exceeds the value limit in any of the trading periods, the bid will be rejected in its entirety.

#### **46.2.5 VERIFICATIONS OF THE MAXIMUM PURCHASE ENERGY TO BE BID IN A CONTRACT.**

The market operator is to check the order's data are consistent with the information contained in the Market Operator's Information System.

##### **BID UNITS**

As regards the maximum energy to be bid in a contract, in the case of the purchase order from an acquisition unit, a check is to be made to ensure the energy included in the order for each contract period, plus the schedule of the bidding unit at that moment for each contract period, plus the energy of the purchase orders in force in the European Continuous Intraday Trading Platform as regards each period included in the contract does not exceed any of the following values:

- The unit's minimum energy in the market operator's database.
- The maximum energy available considering the non-availabilities applied.
- The energy limited by the applicable unitary restrictions notified by the system operators.

For the maximum energy to be bid in a contract, in the case of the purchase order of sale units, a check is to be made to ensure the schedule of the unit for each contract period at that moment, minus the energy of the current purchase orders on the European Continuous Intraday Trading Platform as regards each period included in the contract, minus the energy included in the order for each contract period, is higher than or equal to the maximum among the following:

- The unit's minimum energy, zero, in the market operator's database.
- The energy limited by the applicable unitary restrictions notified by the system operators.

If the energy tendered exceeds the maximum limit in any one of the trading periods, the order shall be rejected in full.

In the event the restrictions applied are not compatible with the non-availabilities applied, the market operator is to allow the agent to bid complying with the non-availabilities insofar as possible.

## **PORTFOLIO UNITS**

For the maximum energy to be bid in the case of a purchase bid from a purchasing portfolio unit, a check is to be made to ensure that the energy included in the order for each Contract, plus the schedule of that unit for each Contract, plus the energy of the Purchase orders in force in the European Continuous Trading Platform as regards of each Contract does not exceed the minimum of the following values:

- The power declared by the agent for the purchase portfolio unit.
- The result of adding the maximum energy increases of the purchase units into which the portfolio unit can be disaggregated, plus the maximum energy decreases of the selling units in which the portfolio unit can be disaggregated.

The maximum energy increases of the purchase bidding units will be calculated as the difference between the maximum hourly energy and the hourly energy of the accumulated schedule of the last auction held. Understanding for maximum hourly energy, with the information in force before the start of the round in which it is being bid, the minimum among:

- The maximum power of the bidding unit.
- The energy available according to the unavailability received by the System Operators that apply to that bidding unit.
- The maximum energy limited by the unit limitations that apply that had been communicated by the System Operators.

The maximum energy decreases of the selling bidding units will be calculated as the difference between the accumulated hourly energy of the last auction schedule and the minimum hourly energy. Understanding minimum hourly energy, with the information in force before the start of the round in which it is being bid, the maximum between:

- The minimum hourly energy of the bidding unit, 0 MW.
- The minimum energy limited by the unit limitations that apply that had been communicated by the System Operators.

In the event that the calculation of the maximum increase or the maximum decrease of a bidding unit for a specific period yields a negative result, its contribution to the sum of each Contract will be void.

For the maximum energy to be bid in case of a selling bid of a portfolio selling unit, a check is to be made to ensure that the schedule of the portfolio unit for each Contract, less the energy included in the bid for each Contract, less the energy of the current

purchasing bids in the European Continuous Trading Platform in what affects each Contract does not exceed the minimum energy of the portfolio unit in the database, that is to say zero, of the Market Operator.

In case that the energy bid exceeds the value limit in any of the trading periods, the bid will be rejected in its entirety.

#### **46.2.6 ACCEPTING ORDERS.**

Notwithstanding the provisions of the rule “Validation of orders”, an order is considered accepted when the European Continuous Intraday Trading Platform issues the corresponding electronic confirmation.

As regards an active sale or purchase order previously submitted to the system, the possible actions may be undertaken:

- Modification: variation of the amount, price and terms and conditions.
- Cancellation: immediate cancellation of a user or agent’s order or all their orders.

#### **46.2.6.1 MODIFICATION OF ORDERS ON THE CONTINUOUS INTRADAY MARKET.**

Any sale or purchase order that has not been previously matched in full or rejected and remains in the Order Book may be modified by the market agent while the contract has a status that permits the submission of orders.

The order is to be considered modified when, once the validations specified in the rule “Validation of orders», the European Continuous Intraday Trading Platform issues the corresponding electronic confirmation.

Pursuant to the rule on “Matching orders on the continuous intraday market”, the modification of a sale or purchase order stored and shown in the Order Book shall involve the cancellation of the original order and the inclusion of a new order with its new parameters and conditions.

#### **46.2.6.2 CANCELLATION OF ORDERS ON THE CONTINUOUS INTRADAY MARKET.**

Any sale or purchase order that has not been previously matched in full or rejected and remains in the Order Book may be cancelled by the market agent provided the contract it was submitted to has a status that so permits.

The order is to be considered cancelled when the European Continuous Intraday Trading Platform issues the corresponding electronic confirmation.

In addition, in the event of the deregistration, exclusion or temporary suspension of a market agent, the orders recorded in the Order Book corresponding to that market agent shall be cancelled by the market operator.

#### **46.2.7 FREEZING OF ORDERS ON THE CONTINUOUS INTRADAY MARKET.**

Whenever a problem is detected in the processes of the European Continuous Intraday Trading Platform (central system) or on the Market Operator's Market Platform (local system), there is an option whereby the orders potentially affected by that problem may be disabled (frozen) by the corresponding platform as a precautionary measure to avoid their matching at a time when the system is unstable.

Furthermore, and with a view to holding the intraday auction sessions, continuous market trading shall be suspended for those contracts included in the auction time-frame. The orders in the Order Book for those contracts shall be frozen for the time needed for matching and obtaining results.

Once the results of the matching have been disclosed and before the reopening of the continuous intraday market for those contracts within the time-frame of the matched session, the orders previously frozen are to be reinstated when the agent has so requested through the Market Operator's Information System, once again validating the limits on energy for each one of them in the same way as if they had been submitted anew, although taking into account the updated schedule of the bid units following the session's matching and current unitary restrictions and non-availabilities, with the orders being rejected if they do not pass the validation. The rest of offers previously frozen and that are not reactivated, will be cancelled in this same process.

The orders frozen by the platform shall be considered inactive, ceasing to be exposed to the market, and cannot therefore be matched with other existing orders until they are reinstated. The agent may reinstate all the frozen orders in a single step or individually reinstate solely a batch of them. Frozen orders may also be cancelled without the need for reinstatement (whenever the market permits the cancellation).

A frozen order that is reinstated shall be treated as a new order.

When the agent requests the reinstatement of its orders in a single step, the following criteria are to be applied:

- Frozen orders shall be reinstated in order of submission to the Market Operator's Market Platform, starting with the first incoming orders.
- When they belong to the same Basket Order, the reinstatement shall uphold the order in that basket.
- When a frozen/inactive order cannot be reinstated because it has not passed one or more of the validations during the reinstatement, that offer shall be rejected. The motive for the rejection shall reflect the reason for the same.
- Under no circumstances are orders to be partially reinstated (only part of their energy); they are to be reinstated in full or rejected.

#### **46.2.8 ORDER BOOK ON THE CONTINUOUS INTRADAY MARKET.**

The Order Book shall be calculated by the European Continuous Intraday Trading Platform, considering the data received from all the European market operators, based on all the valid sale and purchase orders submitted by the market agents in Europe and whose conditions for the orders permit their recording in the Order Book.

Those orders that can be displayed, on an anonymous basis, from each pricing area (list of local orders) shall be calculated and distributed by the European Continuous Intraday Trading Platform. In addition, the list of local orders shall be recalculated in the event of any one of the following contingencies:

- a) Submission, modification or cancellation of a valid sale or purchase order.
- b) Changes in the status of the free import and export capacity at any European interconnection, with this change possibly being due to:
  - 1. Allocation of free capacity due to an international trade.
  - 2. Explicit allocation of capacity as appropriate.
  - 3. Updating of the import or export capacity at any one of the cross-border interconnections managed on the European Continuous Intraday Trading Platform.
- c) As the result of a trade irrespective of whether or not use is made of cross-border capacity.

Once the list of local orders has been recalculated, the European Continuous Intraday Trading Platform shall send it to the market operators for its integration and display to their respective market agents through their respective trading platforms.

Specifically, the Market Operator's Market Platform shall display:

- For the Portuguese area, the list of local orders shall display the most competitive sale and purchase orders originating in the Portuguese area or coming from outside that area and which might pass through the interconnection (from Spain) according to the free capacity at the interconnection at any given moment.

- For the Spanish area, the list of local orders shall display the most competitive sale and purchase orders originating in the Spanish area or coming from outside that area and which might pass through the interconnection (either from Portugal or from France according to the free capacity at the corresponding interconnection at any given moment.

The display of the list of local orders shall have a maximum number of orders according to the stipulations of the European Continuous Intraday Trading Platform.

#### **46.2.9 CONDITIONS ON ORDERS ON THE CONTINUOUS INTRADAY MARKET.**

When submitting orders to the continuous intraday market, market agents may include conditions on the sale and purchase orders they have submitted, regarding either their execution or their validity.

The different types of conditions are described in annex 1 hereto.

#### **46.2.10 BASKET ORDERS.**

Market agents may create a basket of several orders that may be linked to different contracts.

The submission of basket orders shall involve the simultaneous processing of all the orders included in the basket. The orders included in the basket may or may not be matched, independently of one another, depending on the conditions specified by the market agent for the actual basket.

Each one of the sale and purchase orders included in the basket may in turn stipulate conditions on the execution and/or validity of the order in question.

The different types of conditions for basket orders are described in annex 1 hereto.

#### **46.2.11 PROCEDURE FOR MODIFYING OR CREATING NEW TYPES OF ORDERS BY THE MARKET OPERATOR.**

The market operator may propose the modification or definition of new types of orders for the continuous intraday market following a prior report to the Market Agents Committee and the corresponding regulatory bodies, and authorised by Spain's Ministry of Energy, Tourism and the Digital Agenda, being entitled to implement them if approved.

#### **46.2.12 INFORMATION PROVIDED BY THE MARKET OPERATOR'S MARKET PLATFORM.**

During trading on the continuous intraday market, the information available on the Market Operator's Market Platform for market agents regarding products, contracts and data on the orders contained on the list of local orders, is to be displayed on an anonymous basis, identifying solely those operations performed by the agent itself.

The following information, at least, is to be provided:

- Contract for which it is empowered to trade and end time.
- Contract status (UPC, TRADE, FIN, INT).
- List of local orders for each one of the contracts being traded.
- For each contract being traded, the volume of energy matched and the price of the trades arranged in the corresponding area.
- Log of the session's activity on the continuous intraday market.
- Balance in the associated guarantees account, specifying both the amount used and the amount available for covering new operations.

### **RULE 47. MATCHING ORDERS ON THE CONTINUOUS INTRADAY MARKET.**

#### **47.1 MATCHING ORDERS.**

Sale and purchase orders are to be submitted through the Market Operator's Market Platform provided the trading of that contract has been enabled accordingly.

When a market agent submits an order through the Market Operator's Market Platform and it has been properly validated by the market operator, the order shall then be sent to the European Continuous Intraday Trading Platform where, depending on the conditions specified in the entry, it is to be recorded in the Order Book, rejected and/or matched.

Matching shall be effected according to the requirements laid down for the European Continuous Intraday Trading Platform pursuant to the CACM.

When there is a match, its result is to be notified to the agent in question, with the list of local orders being updated.

#### **47.2 FIRMNESS AND EFFECTS OF THE MATCHING.**

Those trades undertaken on the European Continuous Intraday Trading Platform shall be considered firm as stipulated in the CACM.

This firmness shall entail, if it is a purchase order, the obligation to acquire the product, and, if it is a sale order, the obligation to deliver it. In addition, it shall entail a payment obligation and the right to collect on the price of the trade, respectively.

At the end of each round, the market operator shall notify the corresponding system operators (Spanish and Portuguese) the total volume of energy in the bid unit corresponding to the trades arranged.

## **RULE 48. ENERGY SPLITTING OF PORTFOLIO UNITS**

Agents who have participated in the continuous intraday market through portfolio units must send to the market operator the energy splitting of the positions of the portfolio units to bidding units. Agents will split the energy of each portfolio unit into the selling or purchasing bidding units associated with said portfolio unit.

The sales positions resulting from the transactions made with a portfolio unit may only be split into sales operations of the supply units associated with said portfolio unit. The purchase positions resulting from the transactions made with a portfolio unit may only be split into purchase transactions of the supply units associated with said portfolio unit.

### **48.1 CONTENT OF THE ENERGY SPLITTING.**

Each energy split will be identified by:

- Portfolio unit from which energy is split.
- Date and Period for which said energy is split

Each energy split will include the following additional information for each bidding unit in which it is wanted to be split:

- Bidding Unit
- Energy split in said bidding unit

### **48.2 SPLIT SUBMISSION.**

Each agent, in view of the result of the transactions carried out by each of its portfolio units, will notify the Market Operator the energy splitting into bidding units of said portfolio units, being able to communicate the splitting from the moment it receives the confirmation of the execution of the transaction up to 5 minutes after the close of the round in which the period that will not be traded again ends.

Energy split submission may be done at any time, affecting any of the Contracts open for trading and up to 5 minutes after the closing of each Contract.



Agents may carry out in the same submission the energy split of all or some of their portfolio units and periods.

### **48.3 CHECKS ON RECEPTION AND ANSWER.**

The Market Operator will check the energy split of the open positions of the portfolio units according to the following criteria:

- It will be verified that the agent that sends the energy split is not suspended or unsubscribed from the Market Operator.
- It will be verified that the portfolio unit and the purchase or selling bidding units in which the open positions of the portfolio units are split, correspond to that agent's units, existing and registered in the Market Operator system, and associated to the unit portfolio for the period that is being split.
- It will be verified that the sales portfolio unit only splits into selling trades of the bidding units associated with said portfolio unit.
- It will be verified that the purchase portfolio unit only splits into purchasing trades of the bidding units associated with said portfolio unit.
- It will be verified that the period to which the split refers corresponds to any of the Contracts that are being traded or to the Contract that has just concluded its trading.

If any of the above checks is not passed, the energy split of that portfolio unit and period will be rejected. Those energy splits that have passed the previous checks will be provisionally accepted, and the energy split will be validated:

- It will be verified that the sum of the amounts split into bidding units coincides with the current net position in the Market Operator Information System of the portfolio unit for the period to be split.
- Likewise, it will be verified that each bidding unit can receive the energy split taking into account:
  - o The current schedule of the bidding unit,
  - o The maximum power of the bidding unit,
  - o Unavailability and limitations in force during the trading round except if the energy split occurs within 5 minutes after the end of the round and for the period whose Contract has just ended its trading, in which case the unavailability and limitations in force will be taken into account during the round that closed.

Energy split will be provisionally accepted even if the previously described validations are not fulfilled, informing the agent responsible for submitting the energy split about the result of said verification.

#### **48.4 UPDATE OF THE INFORMATION OF THE ENERGY SPLIT SUBMITTED BY AN AGENT.**

The energy split information may be updated through the communication by the agent responsible for new energy split information for a portfolio and a period. If the energy split has been provisionally accepted, the new information will replace the previously communicated one for all purposes.

If it has not been accepted, the previous available information will be kept valid, if it has been previously accepted as valid.

#### **48.5 ENERGY SPLIT CONSOLIDATION.**

In the minute 5 after the closing of each Contract, those energy splits provisionally accepted for the period that will no longer be traded will be revalidated.

The energy split energies for each unit will be checked again, verifying that:

- The sum of the energy split amounts coincides with the current net of the portfolio unit for the split period, and
- Each bidding unit can receive split energy taking into account:
  - o The bidding unit schedule prior to the consolidation process,
  - o The maximum power of the bidding unit,
  - o The Unavailability and the unitary limitations in force during the closing round.

#### **48.6 DEFAULT ENERGY SPLIT.**

If the splitting of a portfolio unit is wrong or if no energy split of the portfolio has been received from the agent, a default energy split of said portfolio unit will be created for the period that will no longer be traded.

The default energy split will be done automatically by the Market Operator according to the following points:

- It will be done only for the period that will not be traded again.
- The previous schedule of each bidding unit in which the portfolio can be split will be taken into account.
- The maximum power of each bidding unit.
- The unavailability and limitations in force during the round that closed prior to the default split.

Ensuring that the energy allocated to the bidding units is within the permissible limits according to the information available in the market operator information system.

- It will begin to split the selling portfolio units. For each selling portfolio unit, it will begin by assigning energy to the bidding units associated with the portfolio that already have energy, first assigning those bidding units that have less energy left to reach their available power.

- If there is energy left, it would begin with the selling bidding units associated with the portfolio that have not yet been allocated energy, first assigning those bidding units that have less energy left to reach their available power.
- If there is energy left, it would start with the purchase units associated with the portfolio, and within them it will start assigning energy to those purchase units that can resell more energy.
- It will continue through the purchase portfolio units and within it will begin assigning energy to the purchase bidding units associated with the portfolio, and within them will begin assigning energy to those bidding units that can buy back more energy.
  - If there is energy left, it would start with the purchase bidding units associated with the portfolio that already has energy, first assigning those bidding units that have less energy left to reach their available power.
  - If there is energy left over, it would start with the purchase bidding units associated with the portfolio that have not yet been allocated energy, first assigning those bidding units that have less energy left to reach their available power.
- In all cases, given the same amount of energy remaining to reach its available power it will be allocated in alphabetical order of the bidding unit.
- Energy split of the sales portfolio units will not be considered as consolidated for the split of the purchase portfolios.
- The remaining energy left from the default split will remain in the portfolio unit and will be included in the Continuous Incremental Matching Base Intraday Schedule (PIBCIC).

#### **RULE 49. EXCEPTIONAL CIRCUMSTANCES ON THE CONTINUOUS INTRADAY MARKET.**

Exceptional circumstances are those that render it impossible to undertake the process of submitting and accepting orders or the matching processes correctly.

The circumstances referred to in the preceding paragraph may be due, by way of example, to one or more of the following contingencies:

##### **a) Technical issues with the trading platforms.**

When there are technical issues with European Continuous Intraday Trading Platform (central system) or with the Market Operator's Market Platform (local system), the Order Book is not available, and orders cannot therefore be submitted to the central system for matching. If the technical issues persist through to the end of trading of a particular contract, the market operator shall continue with the normal operating process using solely the valid trades available on the Market Operator's Trading Platform.

##### **b) Interruption of trading on the continuous intraday market.**

The market operator may temporarily interrupt trading on its Trading Platform in the event of circumstances that may threaten the correct operation of the market. As a result of this interruption, existing orders on the trading platform may be frozen.

In the case of scheduled interruptions due to maintenance tasks, freezing of the existing orders in the Trading Operator Trading Platform will proceed.

c) Restrictions on the interaction with the Market Operator's Market Platform.

The market operator may impose general restrictions on the number of requests that the computer applications of the agents may make to the Market Operator's Market Platform over a given period of time, with the aim being to prevent situations that may threaten the correct operation of the market.

The market operator may restrict access to the applications of those market agents that jeopardize the proper functioning of the Trading Operator Trading Platform.

d) Force majeure.

d.1) If foreseeable, but inevitable, the market operator shall suspend trading on the continuous intraday market, trying as far as possible, to allow negotiation in intraday auction sessions. As of that moment and until the restart of trading, the system operators shall resolve the situation, if applicable, by applying the system's operating procedures.

d.2) If, there should be any failure of the market operator's IT, computer applications malfunction or communications equipment of the market operator or the European continuous trading platform that stops them from operating properly, the market operator may suspend trading, informing the system operators of the information available whereby the situation can be resolved according to the system's applicable operating procedures.

## **49.1 NON-AVAILABILITY OF PRIOR SCHEDULES.**

If, prior to the beginning of each round, there were no schedules preceding its start, the market operator may modify the trading timetable or suspend trading on the continuous intraday market until those schedules become available.

## **RULE 50. CLEARING OF THE CONTINUOUS INTRADAY MARKET.**

### **50.1 CLEARING.**

The market operator shall specify the clearing of energy for each agent participating on the continuous intraday market for the sale and purchase orders that have been matched for each contract with one or more of its bid units or portfolio.

In order to proceed with these clearings, the market operator shall record the corresponding account entries in the register kept for such purposes by each bid unit or portfolio.

The account entries corresponding to each trade shall be recorded after each one of the synchronisation moments involving the Market Operator's Market Platform and the Market Operator's Information System.

### **50.1.1 COLLECTION RIGHTS ON THE CONTINUOUS INTRADAY MARKET.**

For each sale order matched at a positive price and for each purchase order matched at a negative price on the continuous intraday market, incorporated into the

schedule as a result of the trading and which has not been cancelled, an agent shall record a collection right on the continuous intraday market (DCIC) equal to:

$$DCIC(d,c,t,u,r) = ENIC(d,c,t,u,r) * P(d,c,t,u,r)$$

where:

d: Day traded.

c: Contract traded.

t: Number of the trade on the continuous intraday market.

u: Bid unit or portfolio owned by the agent or its representative in the name and on behalf of third parties.

r: Round of the continuous intraday market.

ENIC(d,c,t,u,r): Energy matched in round r for contract c on day d for trade t, of bid unit or portfolio u.

P(d,c,t,u,r): Price, as an absolute value, of trade t matched in round r for contract c on day d, of bid unit or portfolio u.

#### **50.1.2 PAYMENT OBLIGATIONS ON THE CONTINUOUS INTRADAY MARKET.**

For each purchase order matched at a positive price and for each sale order matched at a negative price on the continuous intraday market, incorporated into the programme as a result of the trading and which has not been cancelled, a company shall record a payment obligation on the continuous intraday market (DCIC) equal to:

$$OPIC(d,c,t,u,r) = ENIC(d,c,t,u,r) * P(d,c,t,u,r)$$

#### **50.1.3 DISCLOSURE OF THE RESULTS OF THE CLEARING ON THE CONTINUOUS INTRADAY MARKET.**

Pursuant to the general rules on confidentiality laid down herein, the market operator shall provide market agents, through its information systems, with the results on their collection rights and payment obligations arising from the trades matched on the continuous intraday market for the day-ahead scheduling time-frame.

#### **50.1.4 OPERATING LIMIT FOR THE ACCEPTANCE OF ORDERS ON THE CONTINUOUS INTRADAY MARKET.**

##### **50.1.4.1 GUARANTEES RESERVED FOR OPERATING ON THE CONTINUOUS INTRADAY MARKET.**

To operate on the continuous intraday market, agents are first to indicate the volume of guarantees presented before the market operator that they wish to assign to their trading on the continuous intraday market in each synchronisation cycle (GMIC). Each agent shall therefore have its own guarantees account on the Market Operator's Market Platform. This amount shall be automatically reduced from the surplus of guarantees in the Market Operator's Information System for its participation both in the day-ahead market and in the intraday auctions, as stipulated in the rule "Balance of Guarantees".

The volume of guarantees earmarked for operating on the continuous intraday market shall be assigned to the guarantees account linked to the agent on the Market Operator's Market Platform. In the event of a representation in the name and on behalf of third parties, the guarantees account to be used shall be that linked to the delegating agent.

Agents are to request the market operator, through the Market Operator's Information System, the amount to be assigned to the Market Operator's Market Platform as well as any subsequent increase or decrease in that value they wish to make.

#### **50.1.4.2 SYNCHRONISATION OF GUARANTEES.**

Once the guarantees have been assigned, the Market Operator's Market Platform shall keep a record of their own balance of guarantees, separately from the balance of guarantees in the Market Operator's Information System. Agents may submit purchase orders and arrange purchases (or sales at negative prices) on the Market Operator's Market Platform, provided that the valuation of the same does not exceed the volume of guarantees available in the Market Operator's Market Platform (operating limit).

The synchronisation process begins at the end of each round with the start of the transfer to the Market Operator's Information System of the operations matched on the Market Operator's Market Platform for all the closed rounds that have not been synchronised. The moment when the Market Operator's Information System receives that information is called the synchronisation moment.

Each synchronisation involves the following processes:

1. The Market Operator's Information System shall proceed to consider, in the calculation of the guarantees balance, the entries corresponding to all the trades arranged on the Market Operator's Market Platform for all the closed rounds that have not been synchronised. Inclusion shall therefore be made of the corresponding payment obligations and collection rights, considering all applicable taxes and, as appropriate, the granting of collection rights to third parties as declared by each agent.

2. The Market Operator's Information System shall indicate to the Market Operator's Market Platform whether it may continue to dispose of the volume of guarantees reserved by the agent, or whether that value should be reduced to guarantee that the balance of guarantees in the Market Operator's Information System, after recording the operations from the latest synchronisation with the Market Operator's Market Platform, continues to be non-negative. For these purposes, the Market Operator's Information System shall inform the Market Operator's Market Platform of the reduction the latter is to take into account during the next round of trading.

3. Finally, the operating limit is to be updated on the Market Operator's Market Platform, considering both the possible reduction in guarantees on the Market Operator's Market Platform and the release of the payment obligations corresponding to the trades negotiated on the Market Operator's Market Platform for all the closed rounds that have not been synchronised, once these have already been incorporated into the Market Operator's Information System.

#### **50.1.4.3 OPERATING LIMIT.**

The market operator shall use the Market Operator's Market Platform to constantly update the values of each agent's operating limit, to be considered in the validation of debit orders submitted to the continuous intraday market.

At each moment, the market operator shall calculate each agent's operating limit as the sum of the following terms:

a) Volume of guarantees requested by each agent for operating on the continuous intraday market.

b) Payment obligations arising from the purchase orders matched at positive prices or sale orders matched at negative prices during the trading round in progress, with all applicable taxes (with negative value).

c) Valuation of debit orders remaining in the agent's Order Book, with all applicable taxes (with negative value).

d) Reduction in guarantees in the Market Operator's Market Platform notified by the Market Operator's Information System following the latest synchronisation as there is an insufficient surplus in the Market Operator's Information System (with negative value).

e) Request for a reduction in guarantees made by the agent (with negative value).

f) Request for an increase in guarantees made by the agent.

The collection rights arising from sale orders matched at positive prices (or purchase orders at negative prices) shall not be considered for the purpose of calculating the operating limit, although they shall be taken into account in the balance of guarantees in the Market Operator's Information System following each synchronisation.

#### **50.1.4.4 INCREASE AND REDUCTION IN GUARANTEES FOR THE MARKET OPERATOR'S MARKET PLATFORM.**

Agents may ask to increase or decrease the volume of guarantees transferred from the Market Operator's Information System to the Market Operator's Market Platform for operating on the continuous intraday market. Agents should therefore submit a corresponding request to the market operator through the Market Operator's Information System.

This request shall be assessed by the market operator and if it is accepted it shall be included in the calculation of the operating limit in the next moment of synchronisation.

Any request for an increase in guarantees for operating on the Market Operator's Market Platform is to be accepted, provided there is a sufficient surplus of guarantees in the Market Operator's Information System. In this case, the surplus in the Market Operator's Information System shall be reduced by a corresponding entry recorded in the balance of guarantees, and this increase in guarantees shall be considered in the calculation of the operating limit on the Market Operator's Market Platform as of the next moment of synchronisation of the Market Operator's Information System and the Market Operator's Market Platform.

Likewise, any request for a decrease in guarantees for operating on the continuous intraday market shall be validated by the Market Operator's Market Platform in the next moment of synchronisation, and if that amount is not bound by payment obligations, it is to be accepted, with the ensuing reduction on the Market Operator's Market Platform

and release of the guarantees withheld in the Market Operator's Information System for that amount. If it is not possible to make the reduction requested on the Market Operator's Market Platform, because that amount has been bound by payment obligations, the agent is to be informed that its request has been rejected and shall not be considered for other synchronisations.



## CHAPTER NINE

### SCHEDULES RECEIVED AFTER THE INTRADAY MARKETS

#### **RULE 51. FINAL HOURLY SCHEDULE AFTER EACH INTRADAY MARKET.**

For the purpose of these rules on the market's operation, it is understood that the Final Hourly Schedule (PHF in Spanish) is the scheduling set by the system operators based on the matching of sale and purchase orders of electricity during the auction sessions in the intraday market officially recognised for each scheduling period as a result of the Definitive Day-ahead Viable Schedule (PDVD in Spanish) of the result of the intraday auction sessions and of the result of the rounds on the continuous intraday market the market operator has held up to this moment.

For the purpose of these rules on the market's operation, it is understood that the Final Continuous Hourly Schedule (PHFC in Spanish) is the scheduling set by the system operators based on the matching of sale and purchase orders of electricity during the auction sessions on the continuous intraday market for each scheduling period as a result of the Definitive Day-ahead Viable Schedule (PDVD) of the result of the intraday auction sessions and of the result of the rounds on the continuous intraday market the market operator has held up to this moment.

The Final Hourly Schedule (PHF) and the Final Continuous Hourly Schedule (PHFC) shall include, for each scheduling period, the following aspects:

1. The electricity that corresponds by tranches to each trading unit whose electricity sale and purchase orders have been incorporated as a result of prior matchings.
2. The electricity that corresponds by tranches to each trading unit whose electricity sale and purchase orders have been matched on the continuous intraday market.
3. The energy associated with bilateral contracts.

The system operators shall inform the market operator of the Final Hourly Schedule (PHF) and the Final Continuous Hourly Schedule (PHFC). The market operator shall make that information available to agents, as well as the conversion of that information into the bid units and/or portfolio when appropriate required for validations and the matching process.

The market operator shall provide agents with the PHF and PHFC upholding the confidentiality provided for in the corresponding rule.

## CHAPTER TEN

### CLEARING, BILLING, COLLECTIONS AND PAYMENTS, AND GUARANTEES

#### **RULE 52. GENERALES CONSIDERATIONS ON CLEARING.**

The clearing process involves determining the collection rights and payment obligations arising from operations in the day-ahead market and intraday markets, as well as those others of a regulatory nature.

##### **52.1 ASPECTS FOR DETERMINING THE PRICE.**

These are operations for setting the price of electricity for each sale unit and for each purchase unit, the establishment of the energy schedules assigned to each production and acquisition as specified forthwith:

- Day-ahead schedules arising from the matching of the day-ahead market (PBC).
- Schedule arising from the matching of the intraday auction market (PIBCI).
- Schedule arising from the matching of the continuous intraday market (PIBCIC).

##### **52.2 CLEARING.**

The market operator shall undertake a day-ahead clearing for each agent by aggregating the hourly entries corresponding to each day, according to these rules.

The clearing of the flow from the day-ahead market at the interconnection between Spain and France and the congestion income generated at that interconnection shall be settled by the Spanish market operators and their nominated counterparts in France, or by third parties empowered by the latter. The Spanish market operator shall be responsible for paying half the congestion income at the interconnection between Spain and France to the Spanish system operator, while the nominated market operators in France, or third parties empowered by them, shall pay the other half to the French system operator, according to the rules in each one of the electricity systems.

The clearing of cross-border trades at the interconnection between Spain and France on the continuous intraday market shall be made between the Spanish market operator and its nominated counterparts in France, or third parties empowered by them. For the purpose of determining the counterparty in France for the clearing of each cross-border trade, use is to be made of the information provided by the European Continuous Intraday Trading Platform.

Any monetary difference that may arise as a result of the clearing of the energy exchanged through the market coupling between MIBEL and France or caused by incidents involving program mismatches shall be financed through each of the congestion income and the explicit auctions corresponding to the Spanish electricity system, as appropriate.

For these purposes, the mismatches that could be caused by cancellation of traded energies in the continuous intraday market by units located in the Portuguese area that would have been matched to units outside the MIBEL will be settled at the congestion income of the interconnection between Spain and Portugal corresponding to the Spanish electricity system, while the mismatches that occur due to the cancellation of energies

negotiated by units located in the Spanish zone that would have been matched to units outside the MIBEL will be liquidated to the congestion rent of the interconnection between Spain and France that corresponds to the Spanish electrical system.

For these clearings, the market operator shall make the corresponding account entries in the register it keeps for such purposes for the following units:

1. Each holder's trading units or portfolios.
2. Each representative's trading units or portfolios when the unit involves the energy orders of holders represented by others acting in their name and on their behalf.
3. Each representative's bid units with which an order is made by owners represented by third parties acting in their name and on their behalf. For these purposes, consideration shall be given to each order univocally associated to its corresponding agent that is represented.

The entries applied to each bid unit or portfolio shall be settled with:

- the agent owning that bid unit or portfolio, in the case of agents trading on the market directly or representing others in their own name and on their behalf through third parties.
- an agent that is represented, in those cases of bid units registered for acting in the name and on behalf of the agent it represents.

Regarding those agents that trade on the market by virtue of their recording in the official register of production facilities and by virtue of their activity as a retailer, direct market consumer, or in representation of these activities, each one of these activities shall be cleared separately.

In the case of sale units corresponding to production units owned by several market agents, the entries for the energies that are part of the schedule arising from the matching of the day-ahead market shall be attributed to each owner according to the assignment specified in the "Result of matching on the day-ahead market".

In the case of sale units corresponding to production units owned by several market agents, the entries for the energies that are part of the schedule arising from the matching of the intraday auction market or the continuous intraday market shall be attributed to each owner in proportion to its percentage of ownership.

Given that the market operator acts as a counterparty for each one of the account entries arising from the clearing, the market operator's balance at the end of each session on the day-ahead market and on the intraday market shall always be set to zero, both in energy and in monetary terms.

## **RULE 53. SETTLEMENT PROCESS**

### **53.1. DAY-AHEAD SETTLEMENT**

With the day-ahead market and intraday market matching performed, the Market Operator will make the entries on collection rights and payment obligations corresponding to the resulting matching schedule available to the agents.

Within the working day after each bidding day, the Market Operator shall place the settlement corresponding to the said day-ahead scheduling horizon at the market agents' disposal in the operator's information systems. The settlement shall distinguish each

scheduling period and provide the pertinent information on collection rights and payment obligations derived from it. A draft of the settlement shall be published on non-working days.

This settlement shall be effected in accordance with the standards stated in these rules, provided that the information required for this purpose has been received.

The day-ahead settlement will be considered provisional when any of the following causes intervenes:

a) There are claims pending with regard to the development of some electricity production market bidding session.

b) The claims receiving period is open to the agents.

c) There are claims pending with respect to the settlement.

d) Erroneous values have subsequently appeared in a settlement considered definitive, and which neither the market agents nor the Market Operator were able to detect when the settlement was issued.

e) Any other factor giving rise to insufficiency or inaccuracy of the information required to make the settlement.

The cause or causes of the provisional nature of a settlement shall be explicitly stated.

The day-ahead settlement shall be considered definitive except when one or more of the causes mentioned in the preceding paragraphs intervenes.

## **53.2. RESOLUTION OF INCIDENTS**

When the Market Operator has issued the day-ahead settlement, the market agents shall have three working days to submit whatever claims regarding the settlement they deem appropriate, as established in Royal Decree 2019/1997 of 26 December.

The Market Operator shall then have three working days to resolve the claims submitted.

The day-ahead settlements can be modified as a result of the claims presented by the agents, which are accepted by the Market Operator, or include new information or modifications at the initiative of the Market Operator or the market agents, once these are accepted by the Market Operator.

The Market Operator shall publish a new settlement for those days that were modified as previously established and providing a new claim period for the agents.

If, due to the time limit established in these rules for effecting the day-ahead settlement, there are claims pending resolution, the day-ahead settlement in question shall be provisional in nature.

If a market agent were not to agree with the resolution of a claim decided by the Market Operator; it has three working days to present a new claim on the same factors, providing additional information.

In such a case, and in compliance with the "Day-ahead Settlement" Rule, the settlement made shall be provisionally maintained until the firm resolution of the claim.

In the event the agent should contest the Market Operator's resolution before a competent outside body, it is to report this process to the Market Operator submitting a new claim associated with the same proceedings.

If the agent disagreeing with the Market Operator's resolution of the claim does not submit a new claim within the same proceedings or submit it to a competent body, after 15 working days the claim shall be shelved with the status awarded by the Market Operator.

If a market agent were not to agree with the resolution of a claim decided by the Market Operator, the principles to apply for its resolution shall be those stated in transitional provision eight of Royal Decree 2019/1997, of 26 December.

In such a case, the settlement made shall be provisionally maintained until the firm resolution of the claim.

## **RULE 54. PROCEDURE FOR BILLING TRADES IN THE ELECTRICITY MARKET.**

### **54.1 AGENTS BILLING IN THE DAY-AHEAD PRODUCTION MARKET.**

Billing shall involve those agents participating in the day-ahead and intraday markets for all the production and acquisition units they own, considering the percentage of their holding, and for all the units that they do not actually own but which they represent in their own name on the behalf of others.

Regarding those agents participating in the market by virtue of their recording in the official register of production facilities and by virtue of their activity as a retailer, direct market consumer, or in representation of these activities, each one of these activities shall be cleared separately.

The Portuguese electricity system operator shall be invoiced for the congestion income corresponding to the Portuguese electricity system that has been taken into account in the market splitting process at the interconnection between Spain and Portugal.

The nominated market operators in France, or third parties empowered by them, shall be invoiced for the part of the congestion income corresponding to the interconnection between Spain and France that has been settled according to the rules on clearing.

The Spanish electricity system operator shall be invoiced for the congestion incomes corresponding to the Spanish electricity system that have been taken into account in the market splitting process at the interconnections between Spain and Portugal and between Spain and France.

### **54.2. DETERMINATION OF PURCHASE-SALE TRANSACTIONS IN THE ELECTRICITY MARKET**

Determination of transactions produced between market agents in the electricity market is necessary in order to issue invoices appropriately.

There shall be a transaction for each sale made by a market agent in each programming period and in each market or settlement segment in which the Market Operator is the purchasing counterparty. Likewise, there shall be a transaction for each purchase made by a market agent in each programming period and in each market or settlement segment in which the Market Operator is the selling counterparty.

There shall be a transaction in each programming period and in each market in which a congestion charge has been settled between each one of the holders of the same pursuant to the provisions of current legislation and the Market Operator, which shall be the counterparty.

### **54.3. THE INVOICE**

Those deliveries of electricity associated with the power generation market made by energy suppliers shall be documented by the Market Operator through invoices issued by said operator as the recipient of the operation, thereby complying with the obligation to issue an invoice.

The data for identifying the recipient of the operation shall be those corresponding to the Market Operator, and the supplier's data shall correspond to the party delivering the energy.

The Market Operator shall issue an invoice for the deliveries made to each purchaser, in which the data for identifying the supplier shall be those corresponding to the Market Operator, and the recipient's data shall correspond to the party purchasing the energy.

### **54.4. ITEMS INCLUDED ON THE INVOICE**

Besides the power supplier and receiver data, as indicated in the rule for "Issuing the Invoice", said invoice shall include the following items:

- Power supplying entity invoice series for each supplier and the correlating numbering.
- Invoice series as the party purchasing the energy, which will be the Market Operator's series, with correlative numbering.
- Issuance date
- Due date

In the case of a power purchasing entity invoice, the following invoice header data about the purchasing agent, referring to the office of the financial activity or the permanent establishment to which power is supplied, in case it involves a reseller that is a taxpayer according to Directive 2006/112/EC or the data on the establishment situated in the territory and where the power is consumed in the case of other passive operators.

The agents registered name, the contact Person to whose attention the invoice should be issued, the Company Tax Number (CIF), Address, Postal Code, City, Province, Country.

In the case of a power supplying entity invoice, as a general rule the same header data, as that which has been provided for the purchasing entity invoice, shall be included. Notwithstanding, for those agents which have provided, in said data, a permanent establishment to which the power shall be supplied and this establishment is outside of Spanish territory, if they possess a permanent establishment or fiscal address within the Spanish territory involved in the deliveries of electricity, they must communicate the aforementioned data to said establishment so it can be used on the supplying entity invoice.

The invoice shall include the amount to pay or charge for purchase and sales operations executed in the electricity production market, which include day-ahead and intraday market settlement as well as the items dictated by regulations.

The amount for which this item appears on the supplying entity invoice coincides with the total amount of transactions in which the agent operated as a seller agent.

The amount for which this item appears on the power purchasing entity invoice coincides with the total amount of transactions in which the agent operated as a purchaser agent.

The invoice shall also include the regulation quotas and taxes, which are given in detail in the "Applicable Quotas and Taxes" rule 53.5.

## **54.5. APPLICABLE QUOTAS AND TAXES**

### **54.5.1 SPECIAL ELECTRICITY TAX.**

The Special Electricity Tax (IEE in Spanish) is paid by direct consumers in the market for their purchases in the electricity production market involving the supply in Spanish territory, as well as by those agents as determined by law.

Those market agents entitled to a reduction in the amount to be taxed pursuant to the provisions of article 98 of Spain's Law 38/1992, of 28 December, on Special Taxes, shall submit to the market operator, as the taxpayer, the information as required by law, as well as the physical unit at the point of delivery that is entitled to that rebate. Purchases made through portfolio units will not have the electricity tax reduction applied.

The agent shall be responsible for the accuracy of the information for the correct application of the Special Electricity Tax.

The market operator shall apply, in the market billing, the rebate on the Special Electricity Tax no later than the third working day following the reception of all the necessary data. Any modification to the authorised values is to be notified to the market operator and shall take effect within the same time-frames as the prior notification.

### **54.5.2. VALUE ADDED TAX**

The Value Added Tax (VAT; Spanish abbreviation: IVA) will be passed on to the operators according to the specific standards regulating the supply of electricity.

Market agents will report the capacity in which they are acting on the market and the data concerning their establishment as well as any variation which takes place, and this will provide a basis in order to establish the applicable tax regime.

## **54.6. AGENTS' DATA FOR INVOICING PURPOSES**

An essential requirement for registration as a market agent is to have submitted to the Market Operator, by means of the system provided for accordingly in the "Market Access Guide to Access", all the data required so that it may issue invoices in the agent's name. Whatsoever modification of these data is to be requested through the Market Operator's Computer System, which the latter shall accept if the application is correct. The acceptance and processing of the agent's request by the Market Operator shall be governed by the timeframes laid down in the rule "Timetables and Deadlines for Agents' Requests".

Those changes that are made to said data when they have a bearing on invoicing, which include any changes in the ownership of facilities, shall have no effect on dates whose day-ahead market matching has already been performed.

#### **54.7 BILLING PERIOD.**

Invoices shall be issued on working days for the sum of one-day scheduling periods whose day-ahead clearing has been disclosed. Furthermore, after each matching and after each synchronisation with the Market Operator's Market Platform, disclosure is to be made of the day-ahead billing's aggregate data that shall be considered a draft.

#### **54.8. ELECTRONIC INVOICING**

The invoices shall be issued electronically using the Market Operator's advanced electronic signature based on a recognised certificate and generated by a secure device for creating a signature.

The invoices issued may be downloaded using the Market Operator's IT system, which is in turn a guarantee of confidentiality.

The electronic invoice shall be issued in XML format, according to the structured format of the Facturae electronic invoice, version 3.2 or higher, and of the electronic invoice as per the specifications of XML Advanced Electronic Signatures (XAdES). In addition, the invoice's content is to be disclosed in a clearly readable format.

Through the following signature verification system, the agents can confirm when they have received the invoice:

- Authenticity of the source of the invoices: that is, these files were issued by the Market Operator.
- Content integrity: that is, the files have not been modified.
- The Market Operator's signature creation certificate has not been revoked.

As stipulated in the applicable regulation, the agent is to keep the transmission file containing the invoice and its signature, as it was received. In addition, it may keep a hardcopy of the invoice with the terms and conditions as statutorily determined.

In order to facilitate compliance with the obligation, the Market Operator shall keep the electronic invoicing files in its database.

All other documents that accompany the invoice shall be digitally signed. The agents can download the files through the Market Operator's Computer System.

#### **54.9. CORRECTED INVOICES**

In the case that it is necessary to execute a new settlement for a day or due to a mistake on the invoice for reasons taken from the current legislation, the Market Operator shall issue a corrected invoice on which he shall record the corrections made to the data. If the correction is made on amounts and power, these will be the differences with the previous values.



#### **54.10. MARKET OPERATOR'S TAX OBLIGATIONS RELATED TO INVOICING**

The Market Operator shall relate its annual declaration of operations with third parties, according to the terms laid out in Royal Decree 1065/2007, of 27 July, in regards to operations carried out by electricity suppliers and purchasers, which have been documented in accordance with that indicated in the rule for "Issuing the Invoice", indicating the total amount of operations carried out by each supplier and each purchaser during the period declared. Supplies of power attributed to each supplier shall be recorded as purchases, and purchases of power attributed to each purchaser shall be recorded as sales.

In addition, the Market Operator shall proceed to the settlement of Value Added Tax, the Special Tax on Electricity, and whatsoever other taxes and quotas corresponding to electricity market invoicing, according to the terms laid down by law, as the corresponding obligated party and taxpayer thereof.

#### **54.11. INVOICING OBLIGATIONS OF THE OPERATORS**

For invoicing purposes, the agents expressly acknowledge and confirm full awareness of all their obligations in tax matters referring to the activities for which the Market Operator is to issue an invoice in their name, in the case of sales, or is to place the invoice at their disposal, in the case of purchases. In particular, and for illustrative purposes only, application is to be made of the regulations on Value Added Tax and the Special Tax on Electricity, without prejudice to other quotas and charges that may be applicable. The Market Operator cannot accept any responsibility under any circumstances and in any way for any breach by agents of the tax regulations applicable to them at any given moment.

The market agents shall provide the Market Operator with whatsoever pertinent information required of them for the proper operation of the invoicing system.

#### **54.12 REQUEST FOR INFORMATION ON BILLING.**

The market operator shall use its information system to provide market agents with the standard information required for the auditing of their accounts with the market operator's advanced electronic signature.

The market operator is to uphold the criteria of confidentiality provided for herein and particularly regarding billing data, which means it cannot send the agents such data by non-secure means, such as fax or email.

### **RULE 55. DEBIT AND CREDIT SYSTEM**

#### **55.1. SETTLEMENT HORIZON**

The settlement horizon (L) and the set of day-ahead settlements, whose collections and payments are made together.

The settlement horizon will initially be weekly in nature, i.e. Monday to Sunday. The Market Operator will be able to modify this parameter through Instruction from and prior consultation with the Market Agents' Committee. The minimum period for a settlement is one day for any case.

## **55.2. COLLECTIONS AND PAYMENTS**

### **55.2.1. COLLECTIONS AND PAYMENTS INVOLVING MARKET AGENTS**

The following parameters are defined:

N Day of publication of the collections and payments to be made: This is defined as the working day after the last settlement horizon day.

P The payment date shall be two working days after day N. In those weeks in which there are three bank holidays in Madrid from Monday to Friday, the payment day will be the working day after day N.

C Collections day: These shall be made the day after day P as long as this is a working day. If the day after is a holiday, collections will be made on the same day, P, as the payments.

Saturdays, Sundays, Madrid Stock Exchange holidays, and the 24 and 31 of December are considered non-working days. Under no circumstances shall collections or payments be made on a non-working day as declared by the Bank of Spain.

On day N, the Market Operator shall publish the collections and payments on the settlement horizon, L, for the agents.

The day-ahead settlements modified as a result of the resolution of incidents or for other reasons explained in these rules and that formed part of a prior settlement horizon will have the same collections and payments date as the settlement horizon from the working day prior to their publication.

The collections and payments which are due to or incumbent upon the market agents according to the provisional day-ahead settlement shall be considered on account of the definitive settlement.

Through Instruction from and after coming to an agreement with the Market Agents' Committee, the Market Operator will be able to modify the N, P and C parameters.

### **55.2.2 COLLECTIONS AND PAYMENTS FOR THE INTERCHANGES WITH THE FRENCH ELECTRICITY SYSTEM.**

Collections and payments with nominated market operators in France corresponding to the flow at the interconnection between Spain and France and the congestion income generated there shall be arranged day-ahead, according to the procedures for collections and payments and to the clearing calendar agreed with each operator.

The aggregate debit and credit note shall also include all those corrections that might arise during the normal arrangement of collections and payments, such as default interest or overpayments, corrections for movements in the cash balances that agents may have made, advance payments, amounts to be withheld on recognised collection rights in the preceding clearing time-frame to guarantee the payment obligations in the current time-frame, and any other cash movement that should be included on this note.

– Any other reason that requires the market operator to modify the data initially disclosed, such as embargos on collection rights ordered by the tax authorities or other bodies.

### **55.2.3. COSTS ARISING FROM THE HARMONISATION OF PAYMENT CYCLES**

Consistent with its role as the central counterparty for energy exchanges with the French, Portuguese and Moroccan electricity systems, the Market Operator shall harmonise the time lags between collections and payments through the corresponding financing:

The Spanish and French designated market operators, or a third party empowered by the latter, shall cover 50% of the cost of the financing required for settling the payments between the two systems. The costs allocated to the Spanish market operator shall be financed to the account of the congestion charge corresponding to the Spanish electricity system.

In addition, the cost of the financing required for covering the shortfall between the VAT payable and the VAT deductible by the Market Operator arising from its role as central counterparty for exports, imports and intra-Community exchanges in the market shall be financed to the account of the congestion charge corresponding to the Spanish electricity system for all the interconnections.

### **55.3. CHARACTERISTICS OF CREDIT AND DEBIT NOTES**

#### **55.3.1. PUBLICATION OF AN AGGREGATE CREDIT AND DEBIT NOTE**

The Market Operator, on day N, shall inform the market agents that have proceeded as purchasers or retailers, through the Market Operator's Computer System and electronically signed, of the aggregate credit and debit notes, which shall indicate the net amount to be paid or collected resulting from the sum of the invoices corresponding to the same settlement horizon, as well as the detail of the invoices included.

The Market Operator shall publish the corresponding aggregate credit and debit notes, for the market agents, and these shall indicate the following, as appropriate:

- Agent name
- Due date
- Date and time of payment deadline
- Market Operator's account in which payment should be received
- Agent's account to which payment should be made

Likewise, the details on each credit and debit note from the day-ahead settlements pertaining to the same settlement horizon will be specifically included.

- Day-ahead settlement date
- Reference to the credit or bill issued
- Result of said bill

Likewise, the total amount to be paid or collected, which is the result of the sum of said credit and debit notes, will be indicated.

The aggregate credit and debit note will include as well all corrections that could be made in the customary development of the collections and payments. These may include interests for delayed payments or over payments, corrections for movements in the cash balances that the agents would have provided, prepayments, amounts to be withheld from the collection rights credited in the previous liquidation horizon to guarantee the payment obligations of the current horizon, or any other cash movement that is necessary to include in this note.

In particular, the Market Operator may include in each aggregate credit and debit note for each agent the payment corresponding to the Market Operator as specified by the regulations. When the agents are represented on the market in their own name and on behalf of third parties their payment obligation under the item of the remuneration of the Market Operator shall be included in the aggregate credit and debit note of their representative reducing the collection or increasing the payment of the same.

### **55.3.2. NEW PUBLICATION OF THE AGGREGATE CREDIT AND DEBIT NOTE**

The Market Operator, with prior notification to the agents, shall publish a second version of the aggregate credit and debit note after day N under the following circumstances:

- If on the day of payment, after verification of the non-payment of an agent, execution is made of the conveyance of collection rights awarded by a third party, the latter should have a modification made to the result specified on the aggregate note published on day N. In this case, the Market Operator shall issue a new aggregate note to the conveying agent that will include the outcome of the execution of the conveyance of collection rights. If the result of the aggregate note is a charge, the agent shall proceed to pay it into the Market Operator's account immediately. If the payment has not been made on the payment day, action will be taken according to the provisions of the rule "Arrangement for non-payments and default interest".
- If no payment is made on the payment date, the pro rata calculation shall be made in proportion to the credit notes of each creditor agent without taking into consideration, as appropriate, the consolidation of the credit or debit notes.

When the non-payment involves a business group that consolidates its credit or debit notes, the Market Operator shall arrange for calling in the guarantees provided as required for covering the debt.

If as a result of the pro rata payment, the consolidated note of a business group involves a charge, the Market Operator shall issue a new debit note that the agent is to pay immediately. Should it fail to do so, action will be taken according to the provisions of the rule "ARRANGEMENT FOR NON-PAYMENTS AND DEFAULT INTEREST".

Any other reason that obliges the market operator to modify the data initially published, such as embargoes on collection rights by the tax agency or other agencies.

### **55.4. CONSOLIDATION OF COLLECTIONS AND PAYMENTS**

In the cases provided for in these rules in which two or more invoices are issued to the same market agent by reason of different activities, considering these invoices correspond to the same tax number (CIF), the aggregate credit or debit notes may be consolidated in a single one, which will be the one specified by the actual agent. The Market Operator shall include in the aggregate credit and debit note for said agent the sum of day-ahead credit and debit notes issued to the agent within the settlement horizon.

Those market agents belonging to the same business group may consolidate in a single aggregate credit or debit note the notes corresponding to all the group's companies.

The sum of companies that make up the business group are to submit to the Market Operator a document requesting the compensation of the collections and payments for all of them, signed by persons with sufficient powers. Said document shall indicate the company in which they wish to consolidate the credit or debit notes. In those cases, in which the note is receivable, the payment shall be made into the corresponding account of the company in which the payments are consolidated.

For the purpose of defining the agents that belong to the same business group, application shall be made of the provisions of article 42 of the Commercial Code.

## **55.5 OBLIGATIONS FOR MARKET AGENTS AS PURCHASERS.**

The market agent is to deposit the amount it is required to pay, including the rate of Value Added Vax (IVA in Spanish) in force at that time. In addition, it is to pay any other tax or surcharge as required by law, and especially and as appropriate, the Special Electricity Tax referred to in the rule "Applicable quotas and taxes". The costs incurred by these payments shall be to the agent's account.

The payment deadline may not extend beyond 10 am on clearing day P, as specified in the rule "Collections and payments". The payment is to be deposited into the account specified by the market operator. The market operator may introduce other payment processes, such as direct debit or the use of a debit card, provided these solutions guarantee the payment's security.

Agents accept that any payments made to cover the obligations assumed in each clearing time-frame are irrevocable.

A purchaser shall not be released from its payment obligation until it has been credited to the market operator's account. The amount debited, as appropriate, shall involve a pro rata reduction in the seller's collection rights, with the market operator proceeding to make the corresponding adjustment once the debt has been paid.

In the absence of default, the payment obligation shall be lifted no later than the time specified in the rule "Times and deadlines for agents' requests".

Agents with accounts payable may make a single partial or full advance payment, prior to the issue of the aggregate credit or debit note, although for this to be taken into account by the market operator when issuing this note, the agent is to use the Market Operator's Information System to notify it accordingly. Once it has been verified that the credit has been recorded in the market operator's account, the agent's notification is to be accepted and it shall be included in the aggregate credit and debit note. Nevertheless, the payment obligations shall not be lifted until the actual clearing day once it has been verified that the payment has been made. The market operator's acceptance and processing of the agent's notification shall be governed by the deadlines specified in the rule "Times and deadlines for agents' requests".

In order to facilitate their quick identification, agents with accounts payable ordering bank transfers are to proceed as follows:

- Include the business-activity code that appears in the market operator's database.
- Make the weekly payment through a single transfer in order to speed up the bank reconciliation process (or else in two transfers if the agent has opted for an advance payment prior to the issue of the weekly aggregate credit and debit note). Any agent failing to comply with this requirement shall be required to pay the market operator 25

euros for each additional transfer made. This charge may be included on the credit and debit note.

#### **55.6. RIGHTS OF MARKET AGENTS WHO ACT AS SELLERS**

The Market Operator shall issue instructions to the bank or savings institution where it maintains the treasury account regarding execution of payments to the sellers who have participated in the electricity production market during the settlement horizon in question. The Market Operator shall issue the payments to agents that are creditors, in the account they provide.

The details of the bank account for collections may only be notified and modified through a request made via the Market Operator's Computer System by a person with sufficient powers, being accepted by the Market Operator when the bank account details are complete and error-free. If the agent so wishes, the holder of the account need not be the actual agent. The acceptance and processing of the agent's request by the Market Operator shall be governed by the timeframes laid down in the rule "TIMETABLES AND DEADLINES FOR AGENTS' REQUESTS".

The payment must be made on the collection day C defined, in the "Collections and Payments" Rule, as the charge date, P, for market agents who are debtors, only if one of the following events occurs:

The payment against the above-mentioned treasury account shall be made by the bank on the same day and the same effective date indicated in the previous paragraph.

Said payment shall include the Value Added Tax that the market agent must pass on, and any other tax of any nature that the legislation then in force requires him to administer.

#### **55.7 ACCOUNT SPECIFIED BY THE MARKET OPERATOR FOR CREDITS AND DEBITS.**

The market operator shall specify a treasury deposit account in a financial institution of a national scope for the purposes provided for herein.

This account shall be held by the market operator, which may only order the credits and debits to that account for the clearings arising in the electricity production market and the management of guarantees, according to the terms in the preceding sections.

The market operator may assign separate virtual bank accounts to each one of the agents, linked to the treasury deposit account specified by the market operator, for the purpose of speeding up the bank reconciliation process involving the payments made by agents with accounts payable. In such a case, the market operator shall proceed to provide prior notification to each agent of the data identifying its virtual bank account so they may use these when ordering payments to the market operator. This procedure shall be implemented upon the market operator's instigation.

#### **55.8 SYSTEM OF DEFAULT PAYMENTS AND INTEREST.**

In the event of default, the purchaser in the electricity production market shall be required to pay a penalty. The amounts due and unpaid shall incur default interest, to be

counted as of the date on which the payment was due with no proof yet available to show that the amount pending has in fact been paid, as determined by the following.

If at 11 am on the clearing date the market operator's bank has not received a definite confirmation of the payment order it shall issue a certificate, specifying the agent and amount in default. After receiving this notification, the market operator shall apply a fixed penalty of 300 euros to each agent in default and shall execute, with prior notification to the interested party, the guarantee arranged, pursuant to the provisions of rule 55.9 "Criteria for proceeding in the event of default":

1. If the execution of the guarantee permits its immediate collection, the market operator shall make all the payments foreseen.

2. If the execution of the guarantee does not permit the collection by the market operator of the amount pending:

– There shall be a pro rata reduction in the collection rights of market agents with accounts payable in the clearing time-frame, which shall constitute a loan to the agent with accounts payable to said agents. This reduction shall not under any circumstances affect the clearing corresponding to the nominated market operators in France or the entity empowered by them.

– The amount pending shall accrue interest for the days of default at the Eonia rate raised by three hundred basis points, with a minimum of 200 euros, to be charged to the agent in default.

The amounts pending shall be calculated according to the following formula:

$$D = E + \max[E \cdot i \cdot P / 360; 200] + 300$$

where:

D: Amount due, including default interest and the corresponding penalty for non-compliance.

E: Amount due and unpaid, excluding default interest.

i: Default interest rate.

P: Interest settlement period.

The default interest rate applicable shall be the result of applying the interbank interest rate as per the average rate published day-ahead for one-day bank deposits (Euro Overnight Index Average-EONIA) raised by three percentage points.

Once the debt has been cleared, the market operator shall proceed to its adjustment, crediting the unpaid amount plus the corresponding default interest to the sellers pursuant to the provisions of the preceding sections.

The amounts corresponding to default interest shall apply provided the default leads to the application of pro rata payments of the unpaid amount to the agents with accounts receivable and this involves a delay in their collection. These pro rata payments shall be made at the start of the clearing date following the process of withholding collection rights described in the rule "Characteristics of aggregate credit and debit notes", except when the collections and payments are made on the same day, in which case the pro rata payments shall be made at the latest at 12.30 pm.

Notwithstanding the above, the purchaser in default in the electricity production market shall be liable for all losses and damages caused by the delay.

### **55.9. CASH DEPOSIT FOR PAYMENTS**

Those agents that so wish, as an alternative method of payment to a bank transfer, may previously make a cash deposit into the bank account specified by the market operator for collections and payments, and request that payments below a certain threshold are debited to that deposit.

Likewise, an agent may request that collections below a certain threshold are considered credits to the cash deposit.

### **55.10. COLLECTIONS AND PAYMENTS CALENDAR**

Each year, after the national holidays and those for the Autonomous Community of Madrid are published, the Market Operator shall provide the market agents a calendar of payments for the following fiscal year, from the 1st of January to the 31st of December of the next year. This calendar shall detail the deadline dates for notifying the charges and payments and the payment deadline dates corresponding to each settlement horizon. The Market Operator reserves the right to modify these dates as long as prior notice of at least one month is provided, and if through Instruction from and after coming to an agreement with the Market Agents' Committee, the decision is made to modify the period for weekly collections and payments.

### **55.11 PLEDGE ON COLLECTION RIGHTS.**

Those market operators that pledge their collection rights on their sales in the day-ahead and intraday markets to creditors through the market account, may notify the market operator accordingly, and it shall take this into consideration provided the following conditions are met:

- The request for a pledged account is to be made by a person authorised by the agent or its representative through the Market Operator's Information System involving the account the agent has registered in the market.
- The request is to be accompanied by the submission of the corresponding document according to the model the market operator has disclosed, and it is to be signed by the agent's attorney and by the attorney of the secured creditor.

The establishment of the pledge on the agent's bank account shall have two effects for the market operator:

1. The subsequent modification of the bank account's details shall require a request to be made by the person authorised by the agent or its representative through the Market Operator's Information System, being accepted if it is received by the market operator's document available for that purpose, as per the model disclosed by this operator, signed by the agent's attorney and by the attorney of the secured creditor.
2. The withdrawal of the pledge on the bank account shall require a request to be made by the person authorised by the agent or their representative through the Market Operator's Information System, being accepted if it is received on the market operator's document available for that purpose, as per the model disclosed by this operator, signed by the agent's attorney and by the attorney of the secured creditor.



The acceptance of the pledged account does not oblige the market operator to pay into it the agent's credit balance, as appropriate, for its market sales, but instead that the rules shall prevail regarding the representation, whereby the credit payments made for the agent's sales on the market through a representative acting in its own on behalf of the agent shall be made into the representative's account.

The market operator shall be released at the moment of its reception and subsequently of any liability regarding the notifications of pledges that are inadmissible because, among other reasons and for illustrative purposes, at that moment the pledged debtor is not a market agent or is represented by a market agent in its own name.

## **RULE 56. PROCEDURE RELATIVE TO THE PROVISION OF GUARANTEES IN FAVOUR OF THE MARKET OPERATOR**

### **56.1. ESTABLISHMENT OF GUARANTEES**

The market agents, who could become debtors as a result of their purchases in the electricity production market, shall provide the Market Operator sufficient guarantee to cover the financial obligations derived from their transactions. This must warrant the creditors' collection of the entire amount due for the electricity they supply, at its price, as well as the other items included in the "Applicable Quotas and Taxes" Rule, and maximum on the following day when the settlement for the corresponding period is made.

Failure to provide this guarantee, its non-acceptance by the Market Operator due to insufficiency or inappropriateness, or the agent's failure to maintain and update the guarantee, shall cause the market agent to be barred from transacting business in the production market.

### **56.2. MARKET OPERATORS THAT MUST PROVIDE GUARANTEES**

The owner of the guarantees must be the same agent, if he participates in his own name and on his own behalf in the market.

If the agent is represented by a party acting in the name and on behalf of the agent, the holder of the guarantee shall necessarily be the actual agent for all intents and purposes.

If the agent is represented by a party acting in its own name and on behalf of the agent, the holder of the guarantee shall necessarily be the representative for all intents and purposes.

### **56.3. MAINTENANCE OF GUARANTEES**

The Market Operator shall release the guarantee provided by the agent in the production market, provided that it has fulfilled all the obligations derived from its participation in it.

### **56.4 COVERAGE OF GUARANTEES.**

The guarantee that each agent is required to arrange shall cover, with no limitations whatsoever, pursuant to the provisions herein, the obligations it assumes by virtue of its

purchases of electricity on the production market, as well as whatsoever other obligation with the market operator regarding its market operations.

The guarantee provided shall also affirm responsibility for whatever taxes and quotas that may be applicable to the agents at the time of payment of their purchases in the electricity production market.

This guarantee shall not cover obligations contracted with customers, persons or institutions other than the agents who act as sellers in the production market. In particular, it shall not take responsibility for the payments that must be made for the settlement of tolls nor for the payments corresponding to physical bilateral contracts that are formalized outside the production market.

## **56.5. KINDS OF GUARANTEES**

If they desire to participate in the markets, the market agents must present:

- An operating guarantee to cover the value of the purchase bids of the units the agents owns, provided the bid is made directly by the holder or its representative in the name and on behalf of another, and the value of the purchase bids of the units it represents in its own name.

If this guarantee is insufficient, the agent shall not be allowed to participate in the corresponding matching process.

Likewise, the market agents will be required to present the following guarantees:

- A credit guarantee to affirm responsibility for the obligations of payments that are accrued or not paid. This credit guarantee will not be set "a priori" by the Market Operator without it is calculated once the settlement result is known. The agents that have provided an operational guarantee, permitting the matching of their bid, will have the required credit guarantee covered as the result of the settlement for said transaction by automatically converting the necessary part of the operational guarantee into a credit guarantee.

- A complementary guarantee is one which can be required of agents in those situations in which, after consulting with the Market Agents' Committee, the Market Operator considers it necessary, due either to a risk that exceeds the coverage of the operational guarantee or for other special circumstances, which objectively justify the requirement of complementary guarantees.

In this regard, the Market Operator shall be able to ask a rating company to rate the risk level of an agent who acts as a buyer in order to justify objectively the requirement of a complementary guarantee, and the cost can be charged to the affected agent.

At any time, the Market Agents' Committee shall be able to request to be informed on the guarantees required of an agent and the guarantees provided.

## **56.6. FORMALIZING GUARANTEES**

### **56.6.1. INSTRUMENTS FOR FORMALIZING GUARANTEES**

Guarantees must be formalized in favour of the Market Operator using the following instruments:

a) Cash deposits to the account designated by the Market Operator in order to make collections and payments, as established in the “Account Designated by the Market Operator for Effecting Charges and Payments” Rule.

The cash deposit shall involve a transfer to the account as specified.

b) Guarantee of a joint and several nature provided by a bank, savings bank or credit cooperative domiciled in Spain or the branch in Spain of a non-resident institution, which does not belong to the group of the guaranteed or secured party, in favour of the Market Operator, and deposited at the banking institution, in which the guaranteeing or securing party acknowledges its payment obligation by virtue of the same upon first demand, with full credit security, without the guaranteeing or securing party being entitled to claim any exception whatsoever to avoid the payment to the Market Operator and, especially, any contingency arising from the underlying relations between the guaranteeing or securing party and the guaranteed or secured party.

The payment covered by the executed guarantee shall be made so that the Market Operator can convert the guarantee to cash on first demand, within no more than one working day, in the Madrid Stock Exchange, after payment is demanded of the guarantor.

c) Irrevocable authorisation of use, up to the maximum amount of the payment obligations incurred during the period to be settled, of one or more credit lines subscribed by the purchaser of energy with an institution resident in Spain or the branch in Spain of a non-resident institution. The credit lines considered in this section shall have a specific purpose being used exclusively as lines of payment or for the guarantee coverage of obligations contracted by virtue of their payment obligations on the production market, being required to have a minimum amount available at any given moment equal to the credit guarantee and, as appropriate, to the additional amount corresponding to the supplementary guarantee.

d) Conveyance of future collection rights pending payment in the production market for which the agent is the creditor as a result of its sales of electricity made to the debtor agents. The amount acknowledged and, therefore, valid for arranging the required guarantees shall be the value laid down in the rule “Calculation of recognized collection rights that can be transferred to third parties”.

All agents, by default, shall convey to themselves their collection rights. In the event they wish to convey them to third parties, they are to submit to the Market Operator the appropriate document whose model is available in the “Market Access Guide”.

All deliveries of collection rights shall imply the authorisation of the delivering agent for the withholding of accredited collection rights within a clearing time-frame, if necessary, as a guarantee of the payment obligations of the following time-frame until the time specified in the rule “Timetables and deadlines for agents’ requests” for the consideration of the net credit balance in the guarantee account for the purposes of the “Balance of guarantees”. These amounts withheld shall constitute a cash guarantee for the receiving agent on the clearing date. Likewise, the collection rights of an agent in the day-ahead market on the first day of the time-frame shall be considered valid as a guarantee on the purchases in all the intraday markets that affect days in the previous time-frame whose sessions are held subsequently.

When an agent conveys collection rights to third parties, it shall indicate the percentage of the same it assigns to each recipient through the Market Operator’s Computer System. In such a case, the actual agent shall indicate what percentage of its collection rights it assigns to itself. Any changes made to said percentages shall not have any bearing on dates whose day-ahead market matching has already been effected.

e) Certificate of Joint and Several Surety Insurance provided by an insurance company domiciled in Spain or the branch in Spain of a non-resident company, authorised by the Dirección General de Seguros (Directorate General for Insurance) and which does not belong to the policy holder's group, in favour of the Market Operator, as the insured party, in which the insurer acknowledges that its payment obligation by virtue of the same is upon first demand, with full credit security, without the insurer being entitled to claim any exception whatsoever to avoid the payment to the Market Operator and, especially, any contingency arising from the underlying relations between the insurer and the policy holder. In particular, non-payment of the premium shall not entitle the insurer to discharge the contract nor shall it be revoked, nor shall the insurer's coverage be suspended, nor shall the insurer be released from its obligation in the event of default in the payment on the part of the policy holder.

Models of a valid guarantee, the surety bond certificate, credit line and the delivery of collection rights are available in the "Market Access Guide". The market operator cannot accept any change made to their texts.

The market operator shall reject guarantees, or increases thereof, whose amount is under 1,000 euros.

Any payment charged against the guarantee executed is to be made in such a way that the market operator may enforce it upon first request and with a deadline of one working day, in the city of Madrid, as of the moment it demands payment from the insurer.

The market operator shall establish a procedure for the arrangement and notification of guarantees by electronic means. The market operator shall disclose the instructions explaining the accepted procedure for their arrangement and the corresponding deadline, which shall be no less than six months as of the date of disclosure of said instructions.

Even in the event of enforcing guarantees, the market operator shall always have the guarantee properly arranged to cover the payment obligations incurred and which have still not been cleared.

Accordingly, when enforcing documentary guarantees, the market operator shall always retain the original copy of the guarantees presented, whose amount may be reduced by the guarantor regarding the part of the guarantees that has been enforced.

The market operator may impose additional conditions on the arrangement of guarantees, credit lines or surety bonds when the bank or, as appropriate, the insurance company does not record a minimum credit rating –awarded by at least one of the following rating agencies, Standard & Poor's, Moody's, Fitch or DBRS– equal to the one the same rating agency has awarded to the debt of the Kingdom of Spain, as applicable at any given moment, reduced by one level. In the case of insurance companies, the rating agency A.M. Best may also be considered.

The credit rating may be below the rating for the debt of the Kingdom of Spain reduced by one level provided that it records at least an "investment grade" rating awarded by the same rating agency.

The additional conditions shall be developed through the market operator's instructions.

As regards the guarantees, credit lines or surety bonds submitted to the market operator that do not comply with the above, or those that fail to do so due to a drop in their credit rating, the market operator may, as appropriate, use verifiable means to call upon each one of the agents that have arranged said guarantee to replace it with a valid guarantee or comply with the additional conditions according to the following criteria:

– Guarantees below the credit rating of the debt of the Kingdom of Spain reduced by two levels or without a credit rating: they are to be replaced within 10 working days.

– Guarantees with the credit rating of the debt of the Kingdom of Spain reduced by two levels: they are to be replaced within two months.

Any modification made to a guarantee already presented to the market operator shall be considered a new one for the purposes of applying this rule.

The market operator reserves the right to reject new guarantees from those agents that, in the event of being called upon to do so by the market operator, have not complied with the terms and conditions laid down herein.

The market operator may levy a charge on those agents that exceed a certain number of movements in cash guarantees over a given period of time. This charge may be included on the credit and debit note. A fee of 0.1% may be levied, with a minimum of 25 euros, on each guarantee movement (deposit or return) that exceeds either the fourth movement in each calendar month, or the sixth in the previous two months.

#### **56.6.2 PERIOD OF VALIDITY OF GUARANTEES.**

The market operator shall release the guarantee provided by an agent in the production market whenever the agent so requests, provided it has fulfilled all its obligations arising from its market participation.

Agents are to replace the guarantees they have arranged when they are nearing their expiry date provided those guarantees are being used as a credit guarantee. Otherwise, they are to proceed pursuant to the provisions of the rule “Criteria for proceeding in the event of non-compliances”.

For the purpose of complying with the obligations for the arrangement of guarantees with the market operator as specified in the preceding paragraph, the guarantee arranged comes into force as of its acceptance by the market operator through to the fifth working day prior to the guarantee’s expiry, without prejudice to the fact that all the market operator’s rights and powers are upheld until the actual date of expiry.

#### **56.6.3 NOTIFICATION OF THE ARRANGEMENT, WITHDRAWAL OR MODIFICATION OF GUARANTEES.**

Agents are to request the market operator, through the Market Operator’s Information System, to accept any changes made to their guarantees, both when they are cash and when they involve a document issued by a bank or an insurance company.

In the case of an arrangement or upward modification, the market operator shall proceed to accept it once it has verified that the data in the request coincide with the guarantees effectively provided by the agent.

In the event of a request for a return or downward modification, it shall be accepted solely in the case of excess guarantees. The market operator shall proceed to process the same once the request has been accepted.

An essential requirement for accepting any arrangement, modification or the guarantees presented to the market operator is that the corresponding request is formulated through the Market Operator’s Information System.

The acceptance and processing of the agent's request by the market operator shall be subject to the timetables specified in the rule "Timetables and deadlines for agents' requests".

## **56.7 SYSTEM FOR DETERMINING THE VALUE OF GUARANTEES AND THEIR ARRANGEMENT METHOD.**

### **56.7.1 INFORMATION ON GUARANTEES DISCLOSED TO AGENTS.**

To ensure agents are aware at all times of the value of the corresponding credit guarantees, and may therefore know whether they have sufficient operating guarantees for their market purchases, as well as the validity of their guarantees, the market operator shall use the Market Operator's Information System to provide agents with the following permanently updated information:

- a) Balance of guarantees, or operating guarantee, for the following market sessions with the most accurate data available up to that moment.
- b) Parameters for estimating the coverage of their orders. This is an estimated value and does not involve any responsibility on the part of the market operator regarding the sufficiency, or not, of an agent's operating guarantees.
- c) Expiry date of the guarantees arranged.

### **56.7.2 BALANCE OF GUARANTEES.**

The market operator shall maintain each agent's balance of guarantees updated at all times as an operating guarantee to be considered in ensuing matching sessions in each market, both when placing orders and in the verifications prior to matching.

An agent's balance of guarantees at a given moment is the sum of the following entries:

- a) Guarantees presented to and accepted by the market operator.
- b) Day-ahead invoices for the agent's accumulated purchases, or otherwise drafts (with a negative value), in the current or subsequent time-frame.
- c) The agent's own collection rights not delivered to third parties or received from a delivering third party, as a result of the sale invoices, or otherwise drafts, accumulated in the current or subsequent time-frame.
- d) Net debit balance (with a negative value) of the agent's own collection rights neither delivered to nor received from third parties and of the payment obligations accumulated, as a result of the invoices in the preceding time-frame until the payment is considered made.
- e) Net credit balance (with a positive value) of the agent's own collection rights neither delivered to nor received from third parties and of the payment obligations, as a result of the invoices in the preceding time-frame until the deadline for their consideration, which shall be the time on the issue date of the credit or debit note as specified in the rule "Timetables and deadlines for agents' requests".
- f) Collections (with a positive value) withheld from the agent for the preceding time-frame to cover the agent's payment obligations in the current time-frame until these

collections become a cash guarantee for the agent benefitting from them on the clearing date.

g) Entries, with a positive sign, for the value of the purchase orders incorporated into the matching process on the day-ahead market or any auction session in the intraday market until that market is cleared, according to the rules “Key aspects of the matching procedure in the day-ahead market” and “Verifying the compliance of guarantees”.

h) Value of the guarantee reserved for trading on the continuous intraday market, with a negative sign, including the reduction applied in the event there is not a sufficient surplus.

i) Volume of purchase and sale trades on the continuous intraday market after each synchronisation and until they are included on invoices or drafts.

Entries arising from agents’ requests made through the Market Operator’s Information System shall be accepted and processed according to the time-frames specified in the rule “Timetables and deadlines for agents’ requests”.

The entries corresponding to points b) and c) are to be recorded as soon as the invoices have been issued following the matching of a market session and after each synchronisation with the Market Operator’s Market Platform.

As regards the balance of guarantees, the release of the guarantee for the payment made shall comply with the provisions of the rule “Obligations of market agents as purchasers”.

The entries for collection withholdings, as appropriate, shall be recorded at the time on the date of issue of the credit and debit note specified in the rule “Timetables and deadlines for agents’ requests” for the consideration of the balance payable in point e).

### **56.7.3. DETERMINING GUARANTEES**

#### **56.7.3.1. OPERATIONAL AND CREDIT GUARANTEES**

The Market Operator shall make an operational and credit guarantees simulator, which the operator could need for planning its activity in the market and for recent prices, available to the agents in its information system. Said value shall be considered an estimate and, as such, it will be the agent’s responsibility to dispose of the appropriate guarantees.

This simulation shall permit, for those operators that desire, the formalization of said amount as a guarantee prior to their participation in the market, and only if this amount is found to be insufficient to cover the operational guarantees necessary for their bids, should they provide additional guarantees.

The criteria for making this estimation are follows:

It is:

CA<sub>dN</sub> = Planning purchases in the day-ahead market in N days with purchasing units.

VP<sub>dN</sub> = Planning sales in the day-ahead market in N days with production units.

CA<sub>iN</sub> = Planning purchases in the intraday market in N days with purchasing units. This planning must take into account imbalances with respect to the PDBF.

VAin = Planning purchases in the intraday market in N days with purchasing units  
This planning must take into account imbalances with respect to the PDBF and, in the case of international programmes, the absence of rights on the energy to be exported.

CPin = Planning purchases in the intraday market in N days with production units.  
This planning must take into account the possible lack of installations, the imbalances with respect to the PDBF and, in the case of international programs, the lack of authorization for the power to import.

VPin = Planning sales in the intraday market in N days with production units. This planning must take into account imbalances with respect to the PDBF.

N = Number of days included in the settlement horizon plus the additional days until payment plus 1 day.

Pd = Arithmetic mean price for the day-ahead market in the 30 days prior to the day on which the calculation is made.

Pi = Arithmetic mean price for the intraday market in the 30 days prior to the day on which the calculation is made.

IE1 = Taxes on electricity, in units value. This will apply to the company invoiced according to the standards established, which are given in detail in the "Special Tax on Electricity" Rule.

IVA = Value Added Tax, in unit value. This will apply to the company invoiced according to the standards established, which are given in detail in the "Value Added Tax" Rule.

GC = Credit guarantee

GMIC = Volume of guarantee earmarked for trading on the continuous intraday market in each synchronisation cycle.

Calculate the value:

$$PA = (CA_{dn} \cdot P_d + (CA_{in} + CP_{in}) \cdot P_i) \cdot (IE1 + 1) \cdot (1 + IVA)$$

$$PV = (VP_{dn} \cdot P_d + (VA_{in} + VP_{in}) \cdot P_i) \cdot (IE1 + 1) \cdot (1 + IVA)$$

The estimation of the agent's maximum credit guarantees will be:

$$GC = PA,$$

and if it conveys its collection rights to itself, it will be:

$$GC = \text{Max}(PA - PV, 0)$$

Pins = Minimum price between the reference price and the maximum price at which the agent expects to bid for its purchases

Eofn = Maximum purchase power that the agent plans to bid in the day-ahead or intraday market sessions for a day.

GO = Operational guarantee

Operational guarantees for the agent will be:

$$GO = Eofn \cdot P_{ins} \cdot (IE1 + 1) \cdot (1 + IVA)$$

Total guarantees shall be GC+GO



#### **56.7.4. TRANSFER OF COLLECTION RIGHTS**

Market agents shall be allowed to transfer their collection rights accrued in the production market to guarantee the payment obligations of any market agent, as established in the Rule for "Formalizing Guarantees".

The Market Operator shall make a collection rights transfer simulator, which the operator could use for planning its activity in the market and for the recent prices, available to the agents in its information system. Said value shall be considered an estimation, which implies no commitment from the Market Operator with respect to its correctness.

This simulation will enable the agents themselves, and those in favour of which a document has been drawn up for the conveyance of collection rights, to estimate the guarantees to be provided discounting said amount.

The collection right estimated for the agent shall be the value PV calculated in the rule "Operational and credit guarantees".

##### **56.7.4.1. CALCULATION OF RECOGNIZED COLLECTION RIGHTS THAT CAN BE TRANSFERRED TO THIRD PARTIES**

The collection rights that a market agent may convey to another agent and which shall be considered valid for the arrangement of guarantees shall be those that are specified on the sales invoices or draft invoices that have not yet been included in the note of payment or charge of the corresponding settlement horizon.

The balance of guarantees shall take into account the collection rights forthcoming from an agent's settlements on the production market as a valid and effective guarantee instrument regarding third parties.

#### **56.8. ADMINISTRATION OF GUARANTEES**

The Market Operator shall be responsible for administering the guarantees provided, in the interests of the market agents, for the purposes of supervising the obligations to establish and maintain updated guarantees, and of the ordinary asset management this may give rise to, or, when applicable, of the disposal of the amounts required to meet the guaranteed obligations. The Market Operator shall keep a record in which it shall include, under separate headings, the rights and obligations associated with the guarantees.

#### **56.9 CRITERIA FOR PROCEEDING IN THE CASE OF NON-COMPLIANCES.**

The following types of non-compliance are to be considered:

1. Non-compliance for delay in payment.

In the event an agent in the electricity production market should be in breach, in full or in part, of any one of its payment obligations arising from the trades it has undertaken on the electricity production market, the market operator shall proceed with utmost diligence and in the shortest time possible to enforce the guarantees arranged with a view to ensuring compliance with its obligations by the market operator in breach.

Furthermore, pursuant to the provisions of article 86 of Spain's Royal Decree 1955/2000, of 1 December, on the regulation of the shipping, distribution, marketing, supply and authorisation procedures involving power generating facilities, if the agent in breach is a direct market consumer, the market operator shall immediately notify this breach to the Ministry of Energy, Tourism and the Digital Agenda and the National Commission on Markets and Competition (CNMC in Spanish).

## 2. Non-compliance in the maintenance of guarantee instruments.

If at the end of the fifth working day prior to the guarantee's expiry date it has not been replaced by a guarantee with a validity extending beyond the ensuing five working days, the necessary amount shall be enforced to cover the requirements pending.

As regards the guarantees, credit lines and surety bonds presented to the market operator that do not comply with the specified requirements or else those that cease to comply with them due to a drop in their rating, the market operator shall require them to be replaced by another valid guarantee within ten working days.

If the guarantor or insurer were to be declared to be in administration or bankrupt, or if the administrative authorisation for the exercise of its activities were to be revoked, the agent required to provide the guarantee is to replace it with another one, of the same kind or another of those provided for in this point, within seven working days as of the date upon which a change is recorded in the situation of the guarantor or insurer.

If once the period specified in the two preceding paragraphs has elapsed without the replacement of the guarantees, they shall be enforced for the amount required to cover the guarantee requirements of the agent in breach.

The enforcement of the guarantee for any of the reasons contained in this point shall entail the payment of a penalty of 0.01% of the amount enforced, with a minimum of 300 euros, which shall be paid to the market operator. These sums may be modified at the market operator's instigation.

## CHAPTER ELEVEN

### FINAL RULES

#### **RULE 57. DESCRIPTION OF THE SEQUENCE, SCHEDULES AND EXCHANGES OF INFORMATION FROM THE CONTRACTING SESSIONS**

##### **57.1. SEQUENCE OF OPERATIONS IN THE DAY-AHEAD MARKET**

There follows a detail of the sequence of operations in the day-ahead market, where the times specified correspond to Official European Time (CET).

a) Before 10.30 a.m., the Spanish System Operator shall have provided the Market Operator with the notified nominations of use of capacity rights on the frontier with the French electricity system prior to the day-ahead auction of the physical capacity rights to be taken into consideration by the market operator in the bid validation process.

b) Before 10.30 a.m., the Spanish System Operator shall have provided the Market Operator with the allocations of the day-ahead auction at the interconnection with the French electricity system of the physical capacity rights to be taken into consideration by the market operator in the bid validation process, in the event said explicit day-ahead auctions are held.

c) Before 10.30 a.m., the System Operators shall have made information on the following available to the Market Operator:

- The best demand forecast, referring to months completed and published in the first fifteen days of the previous month for those referenced by the forecast.

- The situation of the transmission network and the partial or total unavailability of the electricity production or purchasing units.

- The maximum import and export capacity at each one of the international interconnections, with a weekly horizon, with hourly values.

- The available import and export capacity at each one of the international interconnections, for the following day, for consideration in the day-ahead market matching process.

- The arrangements of any bilateral national contracts entered into with physical delivery or with generic scheduling units, with a view to properly validating the maximum bid units available.

This information shall be made available to the market agents containing the data that affect their sales and purchasing units.

Information on unavailability will be updated subsequently, at any time and up until the instant of closing the acceptance of day-ahead market bids, in the case that there are modifications affecting data.

The information on capacity at the international interconnections may subsequently be updated, at any time up to 11.40 a.m., for its consideration in the day-ahead market, in the event of any modifications to the data.

d) Before 10.30 a.m., the Spanish System Operator shall have provided the Market Operator with information on:

- The execution of bilateral contracts through the Iberian system international borders with external systems at its disposal following the agreement reached previously between the system operators involved.

e) The market agents shall be able to make claims regarding the results of the sale and purchase bid validation process, until five minutes after the close of the bid acceptance period for the corresponding session.

f) The Market Operator shall analyse the claims submitted in response to the validation process upon the reception of bids and solution of the claims if they can be attended to and resolved quickly enough for the solution to be immediately useful.

g) At 12.00 a.m., the Market Operator shall close the period for the reception and validation of the sale and purchase bids placed by the market agents for the day-ahead market.

h) From 12.00 a.m. and once the analysis of the claims submitted in response to the bids validation process is complete, it shall proceed to begin the matching process, unless it is determined in the stated analysis process that it is necessary to extend the bid acceptance period for a justifiable reason.

i) During the process of preparing the bids for matching, validations defined in the present rules shall be made, including the approval of the existence of guarantees that financially back each bid submitted. In case the aforementioned validations are not passed, the corresponding bid shall be cancelled, and it will not be considered in the matching process from this point forward.

j) Once the previous validations are executed, the bids submitted will be matched with the Euphemia algorithm.

k) Before 12.45 p.m., the Market Operator shall place the provisional matching result at the System Operator's disposal and shall simultaneously provide the market agents with information corresponding, with the corresponding confidentiality, to their sales and purchasing units.

l) The market agents shall have ten (10) minutes, from the time the provisional matching process results are made available to them by the Market Operator, to make claims regarding the said results. Their claims shall be processed according to the established procedure. During this time period, the Market Operator shall be able to present the incidents that, in its judgment, have occurred in the process. Furthermore, the system operators may report, before 10 minutes have elapsed since the system operators have been provided with the provisional result of the matching process, the existence of any one of the contingencies provided for by the market operators that affect the outcome of the matching.

m) Before 1 p.m., when the results of the day-ahead market matching have been confirmed by all the market operators, these shall be final.

n) The Day-ahead Market Operator shall make available to the Forward Market Operator before 2 p.m. each day the prices and volumes traded in each hour on the Day-ahead Market for the following day, as well as the outcome of the process of physical delivery.

o) Before 2 p.m., the Market Operator shall inform the market agents, if appropriate, of the existence of any claim that is pending resolution, or any incident presented by the Market Operator, which may be cause for repeating the matching process. In this case, the schedule of the sequence may be altered according to the specifications of Rule concerning schedule modification.

p) Before 1:30 p.m., once the process of inserting the power declared by the market agents as physical bilateral contracts to the System Operators is complete, they shall inform the Market Operator of the base day-ahead operating schedule (PDBF).

q) If the repetition of the matching process is necessary, for the reasons indicated in previous points, and consequently the base matching schedule (PDBC) does not turn out to be coherent with the base operating schedule (PDBF), the System Operators shall repeat the procedure of inserting power to physical bilateral contracts in order to generate a new base operating schedule (PDBF), using the new base matching schedule (PDBC) as a point of departure.

r) Before 14.45 p.m., the System Operators shall place the definitive viable day-ahead schedule (PDVD) at the Market Operator's disposal. At this point the Market Operator shall have resolved the technical constraints foreseen in the system, and shall inform the market operator and the agents of the data corresponding to their production or purchasing units, if applicable.

## **57.2. SEQUENCE OF OPERATIONS IN THE INTRADAY MARKET**

The sessions of the intraday market -auctions and the continuous intraday market- shall be held independently of the day-ahead market matching process.

At the end of each one of the intraday market auction sessions, the Market Operator shall place the matching result at the System Operator's disposal, with the corresponding confidentiality, and shall inform the market agents of the data corresponding to their sales or purchasing units. Upon finalizing each session, the System Operators shall communicate the final hourly schedule (PHF) to the Market Operator and the market agents.

The sequences of processes in each intraday market auction session shall be as follows:

The bid reception period for each auction shall open according to the stated schedule, and only under the condition that the final hourly schedule (PHF) corresponding to the previous intraday market auction session was published beforehand, and in the case of the first session, in the case of the first session, conditioned its opening of receipt of offers to the publication of the Daily Base Operating Program (PDBF) and its closing and matching to the publication of the final Viable Daily Program (PDVD) corresponding to the following day.

The scheduling timeframes for each intraday session, and the opening and closing times for each auction session, are detailed in Annex 1 to these rules.

The market agents shall be able to make claims regarding the results of the sale and purchase bid validation process, which occur from the time of reception until four (4) minutes after the close of the bid acceptance period for the corresponding session.

The Market Operator shall have seven (7) minutes from the closing of reception of offers, to publish the provisional result of the matching process, pending claims or incidents, as indicated in the following point.

The Market Operator will make the result of the matching process on intraday markets available to the system operators once the claims period is over.

In accordance with the provisions of Royal Decree 2019/1997 of 26 December, the market agents shall have (1) minute, from the time the matching process results are made available to them by the Market Operator, to make claims regarding the said results. Their claims shall be processed according to the established procedure. If no claims are received by the time this period expires, and without discounting the claims which may be submitted afterward by the market agents, the matching result shall

become firm. During this time period, the Market Operator shall be able to present the incidents that, in its judgment, have occurred in the process.

In the event of any claim pending resolution, or any incident raised by the market operator, which could give rise to a repeat of the matching of auctions, the market operator may announce this up to fifteen (15) minutes prior to the start of the scheduling timeframe of the corresponding session. In this case, the timing of the sequence may be altered, as specified in these rules, delaying the opening of the continuous intraday market.

The system operators will publish the Final Hourly Schedule ('Programa Horario Final', or 'PHF'), and inform the market operator thereof.

The opening of negotiation of all continuous intraday market contracts for the next day will begin under normal operating conditions at the time indicated in Annex 1 to these rules and always conditioned to the previous publication of the Definitive Viable Daily Program (PDVD) by the system operators. From this point onwards, the market operators may participate in the continuous intraday market for the full timeframe of the following day.

Agents may claim, both the result of the validation of the purchase and sale bids to the continuous intraday market and the result of the transactions of the continuous intraday market, once communicated and up to one (1) minute after the receipt of the offer or transaction is formalized correct.

During normal operations, negotiation on the continuous market will be halted, at the close of the period for receipt of offers in each intraday session, and only for those contracts lying within the session timeframe, with any offers present at that time in the Offers Book on the European Continuous Contracting Platform remaining dormant and excluded from matching on the continuous intraday market until it reopens, and as a result only the assignment of capacity with regard to the Spain-Portugal interconnection will be permitted during the matching of the intraday auction session.

Once the results of the matching are published, prior to the opening of the continuous intraday market for contracts lying within the timeframe of the session matched, the previously dormant offers will be reactivated, in the event that the agent requested this via the Market Operator Information System, once again validating the energy limits of each of them, in the same way as if they had been entered again, while taking into account the updated schedule of offer units after the matching of the session and the unit limitations and unavailabilities in force, with the offers being rejected if they do not satisfy the validation process. The rest of offers previously frozen and that are not reactivated, will be cancelled in this same process.

The reactivation order is as described in the rule "Dormancy of offers on the continuous intraday market".

Once this process is complete, and in accordance with the times described in Annex 1, those continuous market contracts that were left suspended from negotiation as a result of the intraday auction session, will once again be enabled for negotiation.

In the event of any incident, the market operator may announce the results corresponding to the period the contract for which has just finished negotiation up until forty (40) minutes prior to the start of its scheduling timeframe, to be taken into account in the processes of the system operators.

The system operators will publish the Final Continuous Hourly Schedule ('PHFC'), and inform the market operator of this.

### **57.3 ALTERATIONS TO TIMINGS.**

In the event that any incidents arise that could alter the normal course of any of the mechanisms comprising the matching procedure on the day-ahead and intraday markets, or otherwise if claims are raised by agents that would involve a repeat of any part of the processes, the market operator may modify the timing of the sequence of corresponding operations for these markets as described in Annex 1, the emergency mechanisms of the market operator and / or those agreed with the system operators being applicable, as appropriate. The Market Operator will make every effort to ensure that the schedule is available to market agents and to the system operators at the earliest possible opportunity, informing the market agents and system operators of the new timings.

In the event of any incidents arising that would alter the normal course of any of the processes for the presentation and acceptance of offers for the matching processes on the continuous intraday market, the market operator may modify the timing of the sequence of corresponding operations as described in Annex 1 for these markets, and will make every effort to ensure that the schedule is available to the market agents and to the system operators at the earliest possible opportunity, informing the market agents and system operators of the new timings.

In the event of any incidents in any of the processes entrusted to the system operators, they may modify the timing of the sequence in the operations subsequent to establishment of the Day-ahead Base Matching Schedule ('Programa Diario Base de Casación', or 'PDBC'), to which end they will make every effort to ensure that the information regarding the Definitive Viable Day-ahead Schedule ('Programa Diario Viable Definitivo' or 'PDVD') to be provided to the agents, with regard to their acquisition and production units, is available to them and to the market operator prior to the deadline established in the rule "Sequence of day-ahead market operations". In the event that this is not possible, they will make every effort to ensure that said viable schedule is available to the market operator, and the information corresponding to the agents is available to them, at the earliest possible opportunity, informing the market agents and the market operator of the new timings.

Should this situation arise, or if there are incidents in the market operator's processes, and a delay to the publication time established for the Daily Base Operating Schedule (PDBF) or the Definitive Viable Daily Schedule (PDVD) for the first intraday auction session, or the Final Hourly Schedule ('Programa Horario Final', or 'PHF') for the rest of the sessions, is foreseeable, the market operator may take the decision to suspend the corresponding intraday market auction session, or otherwise perform the matching of the complete scheduling timeframe corresponding to said session, while deeming to be invalid for all purposes the result for any of the hours of the timeframe, on the basis of force majeure, or modify the trading hours of the continuous intraday market. The decision taken will be announced to the market agents and to the system operators via the Market Operator's Information System.

If, because of problems in the processes of the system operator and/or of the market operator a delay to the time established for the generation or integration of the results of the intraday auction sessions is foreseeable, and the agreed deadline is reached, the operators may take the decision not to consider the result of the matching of the intraday auction market for the initial hour or hours of the scheduling period. The decision reached will be announced at the earliest possible opportunity to the market agents, by means of the established channel, placing said announcement on record.

If, because of problems in the processes of the market operator, a delay to the publication time established for the result of transactions performed in each continuous intraday market round is foreseeable, the market operator may take the decision to delay the opening of the contracting of continuous intraday market contracts, or modify the trading hours of the intraday auctions sessions. The decision taken will be announced to the market agents and to the system operators via the Market Operator's Information System.

Notwithstanding the above, and in those cases in which because of operational problems a system operator cannot receive or process the results of the continuous intraday market (PIBCIC) by the agreed deadline, or otherwise it is impossible for the market operator to deliver the results available to the system operators, the market operator will send the PIBCIC to the system operators once the originating problem is resolved, and this may be sent later than the physical delivery of the energy for the period negotiated. In such cases, the system operators may jointly take a decision to cancel the energy negotiated in the last continuous intraday market round corresponding to the first hour of energy delivery. The decision reached will be announced at the earliest possible opportunity to the other operators and to the market agents, by means of the established channel, placing said announcement on record.

#### **57.4. COORDINATION BETWEEN THE MARKET OPERATOR AND THE SYSTEM OPERATORS**

For the purposes of complying with the provisions of current legislation, both shall provide each other with the information indicated below through their computer systems. This information shall be contained in files whose format and transmittal shall be defined by both operators, and the information shall be placed at the disposal of the market agents.

The Market Operator, together with the Spanish and Portuguese System Operators, will design an emergency mechanism for the sharing of information between System Operators and the Market Operator.

All information to be exchanged will be made available to the other party according to the procedures agreed between the operators.

The Market Operator shall validate the format and the information contained in the files received before inserting them into its information system so that, if errors are detected in them, they can be returned to their sender for correction.

All information sharing must include the corresponding detailed explanation of the error detected. The period within which the corrected file must be sent shall depend on the file in question, although both the Market Operator and the System Operators shall make their best efforts to ensure the information is immediately available for the matching processes or the real time process for which it is needed.

Regarding the relevant information shared between the Market Operator and the System Operators, regardless of its origin, there is a mechanism for confirming the validity of the information for each type of market. The mechanisms established shall be those agreed between the Market Operator and each one of the system operators, and shall be published by the Market Operator in the document "PROCESS FOR CONFIRMING THE VALIDITY OF INFORMATION SHARED BETWEEN THE MARKET OPERATOR AND SYSTEM OPERATORS UNDER NORMAL CIRCUMSTANCES AND IN AN EMERGENCY WHEN ERRORS ARE DETECTED". This document shall contain at least the following mechanisms:



- Mechanism for confirming the validity of the information under normal circumstances.
- Emergency mechanism when errors are detected in the day-ahead market information already sent and confirmed.

#### **57.4.1. INFORMATION THE SYSTEM OPERATORS MUST SUPPLY TO THE MARKET OPERATOR**

The Spanish System Operator shall place the information required to perform market processes at the Market Operator's disposal by means of the methods and formats established in the current version of the document entitled "File model for the exchange of information between SO and MO", as agreed between the two operators relative to the files exchanged between them, and published by the System Operator.

In addition, the Portuguese System Operator will make sure that the Market Operator has access to all of the information required to carry out market processes using the methods and formats established in the current version of the agreement on information sharing between both operators.

Among the validations that shall be performed, in addition to the ones indicated previously, a check shall be made to ensure that the schedules sent maintain the generation-demand balance in each programming period. It shall be confirmed that the schedule files correspond to the accumulation of the previous schedule. Any information regarding a unit's power, if it is a sale or purchasing unit, shall be verified to see that it falls between the maximum and minimum declared in the Market Operator's Computer System.

The information that the System Operators shall send is the following:

##### **57.4.1.1. DAY-AHEAD MARKET**

- Information resulting from the assignation of capacity rights from the auctions prior to the day-ahead auction of international units at each hour of the schedule horizon and in each of the sales or purchasing units with assignation of capacity rights.
- Information resulting from the notifications of the use of the capacity rights from the preview market day-ahead auctions of international units at each hour of the schedule horizon and in each of the sales or purchasing units with assignation of capacity rights.
- If held, information on the result of the assignment of capacity rights in the day-ahead auction in the French electricity system interconnection for international units at each hour of the programming horizon and for each of the sales or acquisition units with capacity rights assignment. This information will be sent by the Spanish System Operator.
- Information relative to the instances of unavailability of production units. This information shall be sent by the System Operators each time this it is updated.
- Demand forecast file. This file shall be sent by the System Operators each time its information is updated.
- Information relative to the execution of international physical bilateral contracts and notification of use of the capacity rights. The information shall be sent by the System Operators on the following occasions:

- After the nomination process prior to the day-ahead market, the Spanish System Operator shall send the executions accepted for physical bilateral contracts that cross the border of France with Spain.

- After the nomination process prior to the day-ahead market, as soon as it is available and before the close of the day-ahead market bid acceptance period, the System Operators, following an agreement between them, shall send the executions accepted for international and national physical bilateral contracts, and the notifications of use of the corresponding capacity rights for the purpose of validating the power bid on by the production units that simultaneously participate in the execution of said bilateral contracts.

- Information relative to the execution of national physical bilateral contracts. This information shall be sent to the corresponding Market Operators.

- Information regarding the nominations of the arrangements of bilateral contracts arising from the nominated energies of real units and of generic scheduling units. This information will be sent by the Spanish System Operator.

- Information concerning of real unit nominated energy and generic scheduling units. This information will be sent by the Spanish System Operator.

- Base day-ahead operating schedule (PDBF). This file will be the result of adding the base matching schedule (PDBC) and the bilateral contracts reported before the bidding period for the day-ahead market closes, and the national bilateral contracts reported to the System Operators after the close of the Day-ahead market.

#### **57.4.1.2. PROCESSES FOR RESOLVING TECHNICAL ISSUES AFFECTING THE BASE OPERATING SCHEDULE**

- Provisional day-ahead viable schedule (PDVP): This file shall be the result of the sum of the base operating schedule (PDBF), the alterations to the schedule due to technical issues and their readjustments to correct imbalances.

#### **57.4.1.3. DAY-AHEAD VIABLE SCHEDULE**

- Day-ahead viable schedule (PDVD): Final schedule resulting from the day-ahead market. This schedule shall coincide with the provisional day-ahead viable schedule (PDVP).

#### **57.4.1.4 INTRADAY MARKETS.**

Information sent when the information is modified:

- Demand forecast file. This file will be sent by the system operators when their information is modified.

- Information regarding unavailabilities of sale units. This file will be sent by the system operators every time this information is updated, with the application deadline for the continuous intraday market and for the purposes of the validation of an offer sent in a round, being as established in Annex 1.

Information sent prior to the opening of the process of acceptance of offers for the intraday market, whenever the information regarding the previous session is modified:

- Limitations on the possibility of offering to each intraday market:

This file contains the limitations on the possibility of offering to the intraday market, in order to fulfil the security criteria of each offer unit separately. The information contained in this file will be consistent with the information contained in the unavailabilities file. For the continuous intraday market, the deadline for application and for the purposes of validation of an offer sent in a round will be as established in Annex 1.

In the case of the first intraday auction session, the information on limitations may be received until the corresponding PDVD is received.

- Zonal limitations on the result of the matching process:

The system operators will inform the market operator of zonal limitations for a set of sale or acquisition units to be taken into consideration in the matching process.

The procedure employed for communication, with at least the files corresponding to the unavailabilities, and the limitations on the possibility of offering on the intraday market, must serve to ensure for the system operators that the file has been validated and received by the market operator, in accordance with the time of the Market Operator's Information System. Meanwhile, the market operator must have a record of the content and time of receipt of the files.

Information sent after the session matching:

- Final Hourly Schedule ('Programa Horario Final', or 'PHF') resulting from each intraday market session. This file coincides with the cumulative schedule sum resulting from the matching.

- Cancellation of hours in intraday market sessions. This file contains information on hours in intraday market sessions the transactions of which have been cancelled by the system operator, because they could not be scheduled for some reason.

Information sent to the continuous intraday market:

- Continuous Final Hourly Schedule ('Programa Horario Final Continuo', or 'PHFC') resulting from the transactions of each intraday market round. This file includes the Definitive Viable Day-ahead Schedule (PDVD), the results of the successive intraday auction markets performed by the market operator, and the result of the continuous intraday market.

- Cancellation of the energy negotiated in a specific round of the continuous intraday market, corresponding to an energy delivery hour.

#### **57.4.1.5. COORDINATION OF THE INFORMATION FROM THE PRODUCTION AND PURCHASING UNITS**

Any change in the information associated with the system operators and the scheduling units managed by the System Operators that can affect the market processes must be made available to the Market Operator to take consequential action. The procedure for communicating said information must be agreed upon between the Market and System Operators, jointly setting the date when the changes considered will enter into effect.

#### **57.4.1.6. INFORMATION ON INCOME SETTLEMENT FOR MARKET SPLITTING**

The Market Operator will receive information from System Operators, broken down by scheduling periods, on the capacities assigned in auctions in the Portugal-Spain interconnection that have not been nominated, including information on their owners. This information will be received within the information communication process for the day-ahead market.

#### **57.4.2. INFORMATION TO BE PROVIDED BY THE MARKET OPERATOR TO THE SYSTEM OPERATORS**

The Market Operator shall place the information required to perform management processes at the Market Operator's disposal, with the corresponding confidentiality, by means of the methods and formats established in the current version of the document entitled "File model for the exchange of information between SO and MO", as agreed between the two operators relative to the files exchanged between them, and published by the System Operators.

The Market Operator shall make the following information available to the System Operators, with the corresponding confidentiality:

##### **57.4.2.1. DAY-AHEAD MARKET**

- Day-ahead Base matching schedule (PDBC) This file contains the schedule resulting from day-ahead market matching. This information shall be made available to the system operators when the provisional results of the matching are disclosed.
- Day-ahead market marginal prices. This information shall be made available to the system operators when the provisional results of the matching are disclosed.
- Flows at the international interconnections. This information shall be made available to the system operators when the provisional results of the matching are disclosed.
- Day-ahead market bids. This file contains all the valid bids—both matched and unmatched—that have entered in the matching process. This information shall be made available to the system operators once the base matching schedule (PDBC) has been confirmed by OMIE and by the market operators coupled to the Iberian market in the performance of the matching.
- Day-ahead market order of financial precedence. This file contains the relevant information relating to power, prices and instances of the reception of totally matched, partially matched and unmatched bids. This information shall be made available to the system operators once the day-ahead base matching schedule (PDBC) has been confirmed by OMIE and by the market operators coupled to the Iberian market in the performance of the matching.

##### **57.4.2.2 INTRADAY MARKETS.**

For the intraday auction market:

- Incremental result of the matching of each intraday market of the Incremental Base Intraday Matching Schedule ('Programa Intradiario Base de Casación Incremental', or 'PIBCI'). This file contains the incremental information resulting from the matching of the

intraday market with regard to the Definitive Viable Day-ahead Schedule (PDVD) in the case of the first session, or with regard to the Final Hourly Schedule (PHF) of the previous market in all other sessions.

- Marginal prices resulting from each intraday market session.
- Intraday market offers. This file contains all valid offers that have been entered in the matching process.
- Order of economic precedence of each intraday market session. This file contains the offers that are fully matched, partially matched and not matched, ordered in accordance with the criteria established in the corresponding rule.

For the continuous intraday market:

As a consequence of the processes of acceptance, verification of offers and the result of the continuous intraday market transactions, the market operator will generate the following information, which will be made available to the system operators as described:

- Provisional Prior Continuous Incremental Matching Base Intraday Schedule ('Programa Intradiario Base de Casación Incremental Continuo Previo Provisional', or 'PIBCIC\_prev').

It will be generated as a result of negotiation, in offer units and portfolio units, at the closure of each of the contracts negotiated on the continuous intraday market, without taking into account the disaggregations of the portfolio units.

Said Provisional Prior Continuous Incremental Matching Base Intraday Schedule (PIBCIC\_prev) will contain the net schedule resulting from the purchase and sale transactions performed up to the moment of closure for said units on the continuous intraday market.

Said Provisional Prior Continuous Incremental Matching Base Intraday Schedule (PIBCIC\_prev) will be sent for information purposes to the system operators, although said information will not be binding on the market operator.

- Continuous Incremental Matching Base Intraday Schedule (PIBCIC).

It will be generated as a result of negotiation, in offer units and portfolio units, and the closure of each of the contracts negotiated on the continuous intraday market immediately after generation thereof.

Said incremental schedule will contain each offer unit and portfolio unit, the net schedule resulting from the purchase and sale transactions performed for said units in the periods traded within that round on the continuous intraday market, taking into account the disaggregations for the period that will not be negotiated again in the intraday market.

In case, for the period that will not be negotiated again in the intraday market, all the energy contained in portfolio units has not been broken down into supply units, said portfolio units will contain the difference between the total energy allocated to the portfolio unit and the disaggregated correctly in supply units.

The information contained in the PIBCIC file will be binding and definitive.

### **57.4.2.3. OUTCOME OF THE SETTLEMENT**

- In compliance with point 1 in the Annex to Royal Decree 1623/2011, of 14 November, regulating the effects of the commissioning of the interconnection between the electricity systems on the Peninsula and the Balearic isles, as well as modifying other provisions on the electricity sector, the Market Operator shall provide the System Operator with the outcome of the settlement of the day-ahead and intraday markets that the latter requires for its consideration in the settlement of the energy in the electricity system on the Balearic Isles.

In compliance with points 1 and 2 of the Sixth Additional Provision of Royal Decree 216/2014, of March 28, which establishes the methodology for calculating voluntary prices for the small consumer of electric power and its legal system of contracting, the Spanish system operator and the market operator will exchange the information necessary for the average unit calculation per unit of energy of the value of each concept of costs for all consumers of the Spanish electricity system.

In compliance with section 2.2.a of the Resolution of May 22, 2018, of the Department of Customs and Special Taxes of the State Agency for Tax Administration, for the preparation of statistics on the exchange of goods between Member States (Intrastat System), The market operator shall provide the system operator with the value of the exports and imports resulting from the markets managed by the market operator that the latter requires for its consideration the information to be provided to the Intrastat System.

### **RULE 58. TRANSACTION SYSTEM IN THE MARKET**

OMI-Polo Español, S.A. (OMIE) as the Market Operator, is responsible for performing all of the functions required for the effective development of the electricity production market and, in particular, of the day-ahead and intraday markets and the corresponding settlements, and, in general, the functions assigned to it by the legal provisions and regulations governing electricity.

The Market Operator shall carry out its functions in compliance with the provisions of the laws and rules which regulate the electricity production market. Moreover, in the operation of the market, it shall act in accordance with the stipulations of these Market Operating Rules and with the information and communication systems included in the Market Operator's Computer System.

The market agents shall act in the market in compliance with the provisions of the laws and rules governing the electricity market, and in accordance with the stipulations set out in these Market Operating Rules and in the information and communication systems integrated in the Market Operator's Computer System.

In fulfilment of the provisions stated in these Market Operating Rules and, in particular, in this Rule, the Market Operator shall provide the market agents with the documentation associated with the Market Operator's Computer System, for the agents' use, as well as any modifications and new releases published.

The Market Operator shall not be responsible for the consequences of the acts in which market agents or third parties are involved, nor for the consequences derived from the application of these Market Operating Rules and of the information and communication systems integrated in the Market Operator's Computer System; nor shall the Market Operator be responsible for the consequences derived from circumstances beyond its direct control, for cases of force majeure or of an accidental nature, including those consequences derived from actions that, where appropriate, the market operator could perform after its appearance in order to try to mitigate or resolve such cases, or for

the indirect consequences of the acts and operations carried out in the electricity production market, nor for the risks derived from its operation.

Enabling access to the trading platform of the continuous intraday market through a public message interface is made for the sole and exclusive purposes of allowing agents to access through a tool developed and managed by the agent requesting such enablement.

Such authorization does not imply the assumption by the market operator of any type of responsibility, including damages, direct or indirect, regardless of the predictability of said damages and losses, arising from the operation, use, inappropriate use or misuse, manipulation, change, modification or alteration, intentionally or not, of said tool by the agent, the agent must accept and comply with the Terms and Conditions of said authorization, set at all times by the market operator.

## **58.1. CLAIMS ON MARKET PROCESSES, SETTLEMENTS AND INVOICING**

### **58.1.1. NOTIFICATIONS**

Any notifications, beyond the normal operation of the market based on the information system that must be made by virtue of these Market Operating Rules shall be directed to the address of the parties that is shown in the heading of the corresponding Contract of Adherence. However, the parties may vary the place of reception of notifications by means of the notification they make to the other party seven (7) working days before the change occurs.

Notifications shall be transmitted by any means that leaves a record of the content and reception of the message.

### **58.1.2. SUBMITTAL OF CLAIMS TO THE MARKET OPERATOR**

Market agents shall be able to express their objections to validation results, to the results of the various markets, and to settlements, in accordance with the stipulations of these rules for each case.

The claims submitted by agents, when integrated into the sequence of the Market Operator's processes, shall have the effects established in the pertinent rules. The rest of the claims shall also be answered by the Market Operator, but shall not have the effects indicated above.

The claim process shall be as follows:

The claims shall be made by way of the computer application provided on the Market Operator's system for this purpose.

The claims shall be known to all the market agents, except for those which, because they contain sensitive information, are made confidential by the submitting agent. The agent submitting the claim may change its degree of confidentiality at any time. The Market Operator shall respect the confidential nature stated in the claim, although the Operator may request justification of confidential treatment.

When the Market Operator has made the appropriate decision regarding the claims and information received from the market agents, the claim process shall continue until

its completion, without affecting the reiteration of the claim by the interested agent at a later time, with the corresponding effects.

The market agents shall have access at all times to the claims they themselves have made, and to other agents' non-confidential claims.

The Market Operator's Computer System shall indicate the date and time of each writing on the text of the claim, as well as the identification of the individual who did the writing.

The Market Operator's Computer System shall ensure that neither the market agent nor the Market Operator can alter information previously entered in the text of the claim.

The Market Operator shall be vigilant to ensure the agents' proper participation in the market. The use of these control or surveillance mechanisms does not exonerate the agents if they perform any improper or undue operations.

## **58.2. TIMETABLES AND DEADLINES FOR AGENTS' REQUESTS**

The Market Operator shall use the Market Operator's Computer System to publish the following timetables:

1. Receiving and recording the submission of guarantee documents and requests.
2. Processing the agents' requests submitted through the Market Operator's Computer System.
3. Deadline for consideration of the net credit balance on the balance of guarantees for the purposes of the "Balance of guarantees" rule.

Likewise, it shall announce the deadlines for processing the agents' different requests submitted through the Market Operator's Computer System.

## **RULE 59. THE COMING INTO EFFECT, DURATION AND MODIFICATIONS OF THE MARKET OPERATING RULES**

1. The Market Operating Rules shall come into effect on the date established in the Ministry of Energy, Tourism and the Digital Agenda resolution that approves them, according to the terms of article 27.3 of Royal Decree 2019/1997 of 26 December, which organizes and regulates the electricity production market, and shall remain in force indefinitely, without detriment to the modifications mentioned in this Rule, unless the law or its regulations establish a period of duration for the rules or decide to terminate them.

2. Notwithstanding the capacity of the proposal by the National Commission for Markets and Competition, by virtue of the provisions of article 27.3 of Royal Decree 2019/1997 of 26 December, which organizes and regulates the electricity production market, it is the Market Operator's responsibility to submit to the Ministry of Energy, Tourism and the Digital Agenda, for its approval, the proposals for modifications of the Market Operating Rules that the said operator considers suitable for the best execution of the Electricity Sector Act and its regulations.

The Market Operator shall be obligated to submit proposals for the modification of these Market Operating Rules to the Ministry of Energy, Tourism and the Digital Agenda in those cases in which it is necessary in order to comply with the law and its regulations



in effect at any time. The Ministry shall make its decisions based on the report of the National Commission for Markets and Competition.

Likewise, the Market Operator, on its own initiative and based on the report of the Market Agents' Committee, shall review these rules whenever it is advisable to do so. The report of the Market Agents' Committee shall be issued within fifteen days, and shall be considered issued if that time limit has passed. The Market Operator shall also submit to the Ministry of Energy, Tourism and the Digital Agenda the proposals for modification of the Market Operating Rules that it submits to the Market Agents' Committee.

In any case, each market agent's adherence to the Market Operating Rules also entails adherence to all the modifications that may be made to the rules by virtue of the provisions of this Rule.

3. In any case, the Market Operator shall be allowed to dictate whatever instructions it may consider necessary for the best application of the Market Operating Rules, and the sellers and buyers who participate in the electricity production market must comply with those instructions. In particular, the Market Operator shall prepare user's guides for the effective utilization by market agents of the computer systems that the normal operation of the electricity production market may require. Also, practical or technical criteria to be applied by the current regulation shall be able to be made public for the sake of general knowledge.

## **RULE 60. APPLICABLE LEGISLATION AND RESOLUTION OF CONFLICTS**

Spanish and European laws shall be applicable to these Market Operating Rules.

Any conflicts that may arise in the application of these Market Operating Rules shall be resolved in accordance with the stipulations of article 12.1.b.2 of Act 3/2013, of 4 June, creating the National Commission for Markets and Competition. The controversies, disagreements, claims and differences which may arise in this matter, that should not be reason for conflict in the financial and technical management due to the fact that they are unavailable and of public order, respecting the authority of the National Commission for Markets and Competition, shall be remitted, with renunciation of any other judge or court that may have jurisdiction, either to the arbitration of the said Commission, in the provisions of article 5.1.b of Act 3/2013, of 4 June, creating the National Commission for Markets and Competition, or to the arbitration of law which shall be held in Madrid by three arbitrators, in compliance with the rules of UNCITRAL and with Act 60/2003, of 23 December, for Arbitration and, therefore, with express acquiescence to the arbitration finding that is pronounced. The parties come to an agreement on the arbitration system to be followed, i.e. whether they will participate in the National Commission for Markets and Competition or the three arbitrators in accordance with the UNCITRAL rules for said arbitration process. If six months have passed, and it has not been possible to reach said agreement, the jurisdictional process shall be clear for the interested party. The parties agree to submit whatever differences between them which, by legal imperative, cannot be remitted to arbitration, to the courts of the city of Madrid, and therefore renounce any other judge or court that may have jurisdiction.

## **FIRST ADDITIONAL RULE - PROCESSING OF PERSONAL DATA**

In accordance with Article 13 of General Data Protection Regulation (EU) 2016/679 (hereinafter, the "GDPR"), the personal data provided by the Agents and any that the Agents might at any time provide, will be included in a Processing Activity Register the controller of which is OMI-Polo, Español, S.A., in its capacity as market operator. Agents

may at any time modify their personal data in order for the information contained in their files to be updated and error-free at all times.

OMI-Polo Español, S.A. needs to process said data in order to execute the Adhesion Contract, and the processing of said personal data is therefore deemed legitimate in accordance with Article 6.1(b) of the GDPR. In particular, OMI-Polo, Español, S.A. will process said personal data for the following purposes: (i) registration and monitoring of Market Agents, ensuring connections within the Electricity Market; (ii) maintenance of appropriate levels of security in the commercial dealings of the company.

The data will be retained in all cases for as long as the commercial relationship with the Market Agent should last. At the time of conclusion thereof, OMI-Polo, Español, S.A. will retain said data, with access duly blocked, solely in order to address liabilities of any kind that could arise over a period of 5 years. Once said liabilities have expired, the personal data will be erased. In the event that the agent provides personal data regarding persons other than those making a request, the Agent guarantees that said persons have given their consent for their data to be handed over to OMI-Polo Español, S.A. for said purpose

The Agent is likewise informed that, within the aforementioned personal data, security recordings of telephone conversations of natural persons involved at any time as the representatives of the Agent may be performed. The Agent likewise guarantees that said persons have granted their consent for the handover of their data OMI-Polo Español, S.A.

OMI-Polo Español, S.A. will process the personal data on an absolutely confidential basis. It has likewise implemented appropriate technical and organisational measures to guarantee the security of the personal data and avoid destruction, loss, unlawful access or unlawful alteration. In defining these measures, consideration was given to criteria such as the scope, the context and the purposes of treatment; the technical state of the art, and the existing risks.

The Agent likewise grants consent for personal data to be transferred to the following entities, which will make use thereof for their own purposes:

(i) Red Eléctrica de España, S.A. (REE) in order to fulfil its functions in its capacity as the Spanish System Operator.

(ii) Redes Energeticas Nacionais S.A. (REN) in order to fulfil its functions in its capacity as the Portuguese System Operator.

(iii) Other System or Market Operators, in order to fulfil their respective functions and achieve optimal administration of their respective Information Systems.

(iv) The competent regulators.

The Market Agent may at any time exercise rights of access, rectification, objection, erasure, restriction, portability and raising of grievances, before OMI-Polo Español, S.A.

Said rights may be exercised by writing to the headquarters of OMI-Polo Español, S.A., located at Calle Alfonso XI, 6, 28014 Madrid, or by sending an email to [info@omie.es](mailto:info@omie.es). The following information must be provided in this regard: full name of the interested party, address for notifications, photocopy of National Identity Document, passport or any other ID document, and application specifying the request. If the request does not fulfil the necessary requirements, OMI-Polo Español, S.A. may call for it to be amended.

If agents deem that their requests have not been properly addressed, they may raise a grievance with the data protection supervisory authority, the Spanish Data Protection Agency (<http://www.agpd.es>).

#### **FINAL RULE.**

The content of this provisions of Rules will enter into force after the fifth auction of the intraday market for November 12, 2019.

## ANNEX 1

### 1. INTRADAY AUCTION MARKET TIMINGS.

The intraday market will have a structure comprising two contractual formats,

- Auction format.
- Continuous format.

The auction format will in turn be structured into six sessions. The timings are as established in these functional rules for the Market, with the following distribution of timings per session (CET):

Figure 1

	1 <sup>st</sup> Session	2 <sup>nd</sup> Session	3 <sup>rd</sup> Session	4 <sup>th</sup> Session	5 <sup>th</sup> Session	6 <sup>th</sup> Session
Session opening.....	14:00	17:00	21:00	01:00	04:00	09:00
Session closing.....	15:00	17:50	21:50	01:50	04:50	09:50
Matching and publication.	15:07	17:57	21:57	01:57	04:57	09:57
Programming horizons.....	24hours	28hours	24hours (1-	20hours	17hours	12hours
(Time periods) .....	(1-24 D+1)	(21-24 & 1-24)	24)	(5-24)	(8-24)	(13-24)

In the case of the fourth intraday market on the day of change of spring time, the opening time of the same will be 00:00 instead of 01:00.

### 2. HOURLY PRODUCT ON THE CONTINUOUS INTRADAY MARKET.

The hourly product will have a duration of one hour. It will generally comprise twenty-four contracts, or 23 or 25 on those days when there is an official change of hour, with each contract corresponding to each of the hourly periods of the day to which the product in question refers.

The commencement of negotiation of all continuous intraday market contracts for the day ahead (D+1), in the Spain and Portugal price zones, will be performed after the first auction on the current day (D), provided that the system operator has published the Definitive Viable Daily Program (PDVD) for the following day (D + 1) beforehand.

Figure 2 shows by day, period and time the contracts under negotiation for the hourly product.

Figure 2

Schedule					MIBEL auction		Continuous Market (XBID)	
Day	Continuous round*	Period	Start time of period	End time period	Auction number	Trading periods included in the auction horizon	Open trading periods Hourly products	Closed trading periods Hourly products
D	17	15	14:00	15:00	1	Receipt of bids for the ID 1 auction (Periods 1-24 day D + 1)	17-24 (D)	
D	18	16	15:00	15:10	1	ID 1 MATCHING	18-24 (D)	
D	18	16	15:10	16:00	-		18-24 (D) 1-24 (D+1)**	
D	19	17	16:00	17:00	-		19-24 (D) 1-24 (D+1)	
D	20	18	17:00	17:50	2	Receipt of bids for the ID 2 auction (Periods 21-24 day D, 1-24 day D + 1)	20-24 (D) 1-24 (D+1)	
D	20	18	17:50	18:00	2	ID 2 MATCHING	20 (D)	21-24 (D) 1-24 (D+1)
D	21	19	18:00	19:00	-		21-24 (D) 1-24 (D+1)	
D	22	20	19:00	20:00	-		22-24 (D) 1-24 (D+1)	
D	23	21	20:00	21:00	-		23-24 (D) 1-24 (D+1)	
D	24	22	21:00	21:50	3	Receipt of bids for the ID 2 auction (Periods 1-24 day D + 1)	24 (D) 1-24 (D+1)	
D	24	22	21:50	22:00	3	ID 3 MATCHING	24(D)	1-24 (D+1)
D	1	23	22:00	23:00	-		1-24 (D+1)	
D	2	24	23:00	0:00	-		2-24 (D+1)	
D+1	3	1	0:00	1:00	-		3-24 (D)	
D+1	4	2	1:00	1:50	4	Receipt of bids for the ID 4 auction (Periods 5-24 day D)	4-24 (D)	
D+1	4	2	1:50	2:00	4	ID 4 MATCHING	4 (D)	5-24 (D)
D+1	5	3	2:00	3:00	-		5-24 (D)	
D+1	6	4	3:00	4:00	-		6-24 (D)	
D+1	7	5	4:00	4:50	5	Receipt of bids for the ID 5 auction (Periods 8-24 day D)	7-24 (D)	
D+1	7	5	4:50	5:00	5	ID 5 MATCHING	7 (D)	8-24 (D)
D+1	8	6	5:00	6:00	-		8-24 (D)	
D+1	9	7	6:00	7:00	-		9-24 (D)	
D+1	10	8	7:00	8:00	-		10-24 (D)	
D+1	11	9	8:00	9:00	-		11-24 (D)	
D+1	12	10	9:00	9:50	6	Receipt of bids for the ID 6 auction (Periods 13-24 day D)	12-24 (D)	
D+1	12	10	9:50	10:00	6	ID 6 MATCHING	12(D)	13-24 (D)
D+1	13	11	10:00	11:00	-		13-24 (D)	
D+1	14	12	11:00	12:00	-		14-24 (D)	
D+1	15	13	12:00	13:00	-		15-24 (D)	
D+1	16	14	13:00	14:00	-		16-24 (D)	
D+1	17	15	14:00	15:00	1	Receipt of bids for the ID 1 auction (Periods 1-24 day D+2)	17-24 (D)	
D+1	18	16	15:00	15:10	1	ID 1 MATCHING	18-24 (D)	
D+1	18	16	15:10	16:00	-		18-24 (D) 1-24 (D+1)**	
...	...	...	...	...	...	...	...	...

\* Continuous round: Period traded for the last time in the continuous market.  
\*\* Periods 1-24 of D + 1 open to continuous trading at (Gate Opening Time) at 3:00 p.m. on the current D-day.

### **3. CONDITIONS FOR THE EXECUTION OF CONTINUOUS INTRADAY MARKET OFFERS.**

Bid Offers to the continuous market may be Purchase (BID) or Sale (ASK), with different types of execution or validity conditions to be chosen by the agent.

Purchase and sale offers on the continuous intraday market will be classified in accordance with the different execution conditions to which they are subject.

By default, the offers will not have any conditions selected. In the event that the market agent wishes to send an offer with conditions, it will need to indicate this when the offer is submitted, by completing the appropriate fields for this purpose.

#### **3.1 NONE (NON).**

"None" offers will have the following characteristics:

- Quantity of product to be purchased or sold, and the requested price.
- They will allow for immediate or partial matching.
- The amount not matched will remain in the Offers Book at the price included in the offer.
- As regards the time period of validity, they will be valid only for the contract to which they refer, being cancelled if they are not matched at the closure of said contract.
- An offer or the partial offer that remains in the Offers Book following a partial matching, may be modified or cancelled while the contract for which it was presented is in a status that allows the sending of offers (TRADE) for the same product.

#### **3.2 IMMEDIATE OR CANCEL (IOC).**

"Immediate or Cancel" offers will have the following characteristics:

- They will include only the quantity of product to be purchased or sold under a specific contract, and the price requested.
- They will be matched against the most competitive offers existing in the opposite direction in the Offers Book, irrespective of their price.
- The price of the transaction will be that of the (pre-existing) offer(s) with which they are matched.
- The possibility of partial matching will be permitted.
- The quantity not matched will be eliminated, and will not remain in the Offers Book.
- They will be executed at the moment of entry, and will never be maintained, and so there is furthermore no possibility that they could be modified or cancelled by the agent.

#### **3.3 FILL OR KILL (FOK).**

"Fill or Kill" offers have the following characteristics:

- They will include the quantity of product to be purchased or sold under a particular contract, and the requested price.
- They will be matched with the most competitive offers in the opposite direction existing in the Offers Book, if the prices are acceptable.
- They will not permit the possibility of partial matching. If the offer is not matched in full, then the offer will be completely eliminated.
- They will be executed at the moment of entry, and will never be maintained, and so there is furthermore no possibility that they could be modified or cancelled by the agent.

### **3.4 ICEBERG.**

"Iceberg" offers will have the following characteristics:

- They will include the total quantity of product purchased or sold under a given contract, the reduced part of this quantity that the agent wishes to show in the Offers Book, and the price requested.
- In the Offers Book, other market agents will only be shown a reduced part of the total quantity and the price requested.
- When an "Iceberg" offer is entered with an uncompetitive price, this offer will be included in the Offers Book, showing the reduced part of the total quantity and the price, as specified. The agent that entered the offer will also be able to see the total quantity of said offer.
- Once the visible reduced part of the offer has been fully matched, a new offer will automatically be generated in the Offers Book, the quantity being the reduced part of the total quantity, and the price being that specified when the "Iceberg" offer was entered.
- When an "Iceberg" offer is entered with a competitive price, the quantity to be considered will be the total quantity of the "Iceberg" offer, with one transaction being registered for each contrary offer with which it is matched. In addition, if the total quantity is not matched, the visible quantity that will appear in the Offers Book will be at the most the reduced part specified when the offer was created, even if the matched quantity was not a multiple of said reduced part.
- If, with an "Iceberg" offer existing in the Offers Book, a contrary offer should arrive at a competitive price, for a quantity greater than the visible quantity of the "Iceberg" offer, different transactions will be conducted for each instance of the "Iceberg" offer, each with its own time of creation. The visible quantity of the "Iceberg" offer in the Offers Book will be the quantity left unmatched following the final instance.
- In addition to the validations set out in the rule "Validation of Offers" for the continuous intraday market, it will be ascertained that the reduced part to be shown of the offer is less than or equal to the total quantity of the product bid.
- It will be possible to cancel at the time when cancellation of offers corresponding to the non-match part is allowed.

#### **3.4.1 ICEBERG OFFERS WITH PRICING INCREMENTAL.**

As an option, "Iceberg" orders may be entered with a pricing incremental. If this is entered, each new instance will have a new price, which will be calculated as the price of the previous instance plus the pricing incremental.

"Iceberg" acquisition orders may only be entered with a negative pricing incremental, while sale orders may only be entered with a positive pricing incremental.

#### **4. CONDITIONS ON THE VALIDITY OFFERS.**

Conditions on validity, if specified, indicate the timeframe for which the sale or acquisition offer presented by a market agent for a particular contract is valid.

##### **4.1 GOOD-FOR-SESSION (GFS).**

Offers marked with this restriction will be valid until the closure of negotiation of the contract for which they were presented. All offers will by default have this restriction selected.

##### **4.2 GOOD-TILL-DATE (GTD).**

Said restriction will mean that the offer presented will only be valid up to a certain moment established by the agent during the creation of the offer. Said moment will always be prior to closure of the negotiation of the contract.

#### **5. BASKET ORDER CONDITIONS**

Market agents may select Basket Order conditions that will affect all offers within the basket.

##### **5.1 NONE.**

Basket offers will be sent on one single occasion, for the same or different contracts, but without any connection between them. Some may be accepted and matched, and others not, remaining in the Offers Book if the conditions of the offer in question so permit.

##### **5.2 VALID.**

Basket offers will be sent on one single occasion, for the same or different contracts, but must all be accepted as valid. If any of the offers included in the basket is declared to be not valid, consideration will not be given to the remainder, as they will all be rejected.

##### **5.3 LINKED ORDERS.**

Basket orders will be sent on one single occasion, for the same or different contracts, but the acceptance of the matching of an offer for a contract will be linked to the matching of the other offers in the basket to other contracts, with all or none of the offers sent being



matched. As a result, a linked basket will always include the FoK restriction on execution of each of the offers included in the basket.

#### **6. DEADLINE FOR APPLICATION OF UNAVAILABILITIES AND LIMITATIONS FOR THE CONTINUOUS INTRADAY MARKET.**

The deadline for application of unavailabilities and limitations of the continuous intraday market for the purposes of validation of an offer sent in a round will be five (5) minutes before it begins.

#### **7. MAXIMUM AND MINIMUM PRICE LIMIT TO OFFER ON THE CONTINUOUS INTRADAY MARKET.**

The price limit values for the inclusion of purchase and sale offers on the continuous intraday market will be:

- Maximum offer price: €180.3/MWh.
- Minimum offer price: €0/MWh.