

<b>TRADING ANNOUNCEMENT:</b>	Appendix to Euronext Instruction 4-01 Euronext Cash Market Trading Manual
<b>LOCATION:</b>	All locations
<b>EFFECTIVE DATE:</b>	17/11/2014
<b>NOTICE:</b>	PAR_20141112_08469_EUR
<b>DATE:</b>	12/11/2014
<b>MARKET:</b>	All markets

**New version of the Appendix to Euronext Instruction 4-01 Euronext Cash Market Trading Manual**

*Nouvelle version de l'Annexe à l'Instruction Euronext 4-01 Manuel de négociation sur les Marchés de Titres d'Euronext*

*Nieuwe versie van Appendix gerelateerd aan Euronext Instruction 4-01 Euronext Cash Market Trading Manual*

*Nova versão do Anexo a Instrução da Euronext 4-01 Manual de Negociação para os Mercados a contado da Euronext*

**This new version of the Appendix cancel and replaces the current version of the Appendix published under PAR\_20141107\_08349\_EUR .**

*Cette nouvelle version de l'Annexe annule et remplace, la version actuelle de l'Annexe publiée PAR\_20141107\_08349\_EUR .*

*Deze nieuwe versie van de Appendix vervangt de huidige laatst bekende versie gepubliceerd in PAR\_20141107\_08349\_EUR .*

*Esta nova versão do Anexo revoga e substitui a versão actualmente em vigor e que foi publicada no PAR\_20141107\_08349\_EUR .*

**Effective date / Date effective / Van Kracht Vanaf / Em vigor a partir de: 17/11/2014**

**The NYSE Euronext Market Undertakings hereby disseminate jointly a new version of the Appendix to the Trading Manual, taking into account the following modifications:**

*Les Entreprises de Marché d'Euronext diffusent conjointement une nouvelle version de l'Annexe au Manuel de Négociation prenant en compte les modifications suivantes:*

*NYSE Euronext verspreidt hierbij een nieuwe versie van de Appendix gerelateerd aan de Trading Manual met inachtneming van de volgende aanpassingen:*

*As entidades gestoras dos mercados Euronext disseminam conjuntamente uma nova versão do Anexo ao Manual de Negociação que tem em conta as seguintes modificações:*

<b>Markets</b> <i>Marchés / Markten / Mercados</i>	<b>Modifications</b> <i>modifications / aanpassingen / modificações</i>
<b>Belgian market</b> <i>Marché belge / Belgische markt / Mercado belga</i>	Creation of a Trading Group: EY
<b>Dutch market</b> <i>Marché néerlandais / Nederlandse markt / Mercado holandês</i>	
<b>French market</b> <i>Marché français / Franse markt / Mercado francês</i>	
<b>Portuguese market</b> <i>Marché portugais / Portugese markt / Mercado português</i>	Creation of a Trading Group: R4 & R9

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**Note for readers**

	<b>English</b>	<b>Français</b>	<b>Nederlands</b>	<b>Português</b>
<b>C</b>	Continuous	Continu	Doorlopend	Continuo
<b>CA</b>	Closing Auction	Fixing de clôture	Slot-fixing	Leilão de Fecho
<b>DA</b>	Double Auction	Double fixing	Dubbele fixing	Duas chamadas
<b>QA</b>	Quintuple Auction	Quintuple fixing	Vijfvoudige fixing	Quíntupla chamada
<b>OA</b>	Opening Auction	Fixing d'ouverture	Openings fixing	Leilão de abertura
<b>SA</b>	Single Auction	Simple fixing	Enkele fixing	Uma chamada
<b>SRD</b>	Deferred settlement service	Service Règlement Différé	Differed settlement service	Serviço de liquidação deferida
<b>TAL</b>	Trading At Last	Négociation au dernier cours coté	Trading At Last	Negociação ao Preço de Fecho
<b>Col A</b>	Collar in auction phase	Seuils pour en mode fixing	Veiling collar	Limites Estáticos
<b>Col C</b>	Collar in continuous phase	Seuils en mode continu	Continue collar	Limites Dinâmicos
<b>Static Col</b>	Static Collars	Seuils statiques	Statische collars	Limites Estáticos
<b>Co</b>	Collar	Seuils	Collar	Limites
<b>R</b>	Reservation thresholds	Seuils de réservation	Reservatie thresholds	Limites de reservação
<b>R/Ex</b>	Reservation thresholds/ External ref price	Seuils de réservation / Prix de référence externe	Reservatie thresholds/ Externe referentie prijs	Limites de reservação/ Preço de referência externo

<b>VRMR</b>	Delisted from regulated markets	Valeurs radiées des marchés réglementés	Uit de notering van gereguleerde markten	Exclusão de mercado regulado
<b>AUTO</b>	Volatility interruption schedule	Interruption Automatique	Automatische Onderbreking	Interrupção Automatizado
<b>fpp</b>	full price point	full price point	full price point	full price point
<b>FMT</b>	face amount	valeur faciale	nominale waarde	valor nominal

## Comments

*Commentaires / Toevoegingen / Comentários*

### a) Indicative value:

*Valeur indicative / Indicative value / Valor indicativo*

	<b>Trading groups</b> <i>Groupes de négociation / Handelsgroepen / Grupo de negociação</i>
<b>iNAV on trading groups</b> <i>iNAV sur les groupes de négociation / iNAV met betrekking tot de volgende groepen / iNAV para grupos de negociação</i>	08, 18, 52, 59, K2, K3, B2, B6, PA, G2, 47, 66

### b) Internal Matching Facility:

*Service d'Appariement Interne*

• Equities traded continuously:

*Actions négociées en continu / Doorlopend verhandelbare aandelen / Acções negociadas em continuo*

<b>Markets</b> <i>Marchés / Markten / Mercado</i>	<b>Trading groups</b> <i>Groupes de négociation / Handelsgroepen / Grupo de negociação</i>
Belgian market <i>Marché belge / Belgische markten / Mercado Belga</i>	A0, A1, A3, A4, AB, AE, AG, B2, B6, CD, ED
Dutch market <i>Marché néerlandais / Nederlandse markten / Mercado Holandês</i>	J0, J1, J2, J7, J9, JA, JC, JE, JG, E6, K2, K3
French market <i>Marché français / Franse markten / Mercado Francês</i>	F1, F2, F3, 05, 08, 11, 12, 16, 17, 18, 21, 22, 47, 50, 52, 59, 66, E2, E1, G0, G2
Portuguese market <i>Marché portugais / Portugese markten / Mercado Português</i>	P0, P1, P5, P8, EN, EP, PA, PC

- All equities traded by auction.

*L'ensemble des actions négociées par fixing / Alle aandelen via fixing verhandelbaar / Todas as acções negociadas em chamada*

**c) Tick sizes:***Echelons de cotation*

<b>Products</b> <i>Produits / Produkten / Produtos</i>	<b>Tick sizes</b> <i>Echelons de cotation</i>
For equities in trading group: <i>Pour les actions / Aandelen / Acções</i> F1 - F2 - 05 - 11 - 12 - 17 - 31 - A0 - A1* - B7 - B9 - J 0 - J1* - J2 - K0* - P0* - P1* - Q1*	<b>Price: 0 - 9.999 Tick size: 0.001</b> <b>Price: 10.000 - 49.995 Tick size: 0.005</b> <b>Price: 50.00 - 99.99 Tick size: 0.01</b> <b>Price: 100.00 Tick size: 0.05</b>
For equities* <i>Pour les actions / Aandelen / Acções</i>	€0.01
For bonds traded in percentage <i>Pour les obligations cotées en pourcentage /</i> <i>Obligaties verhandelbaar in procenten /</i> <i>Obrigações negociadas em percentagem</i>	0.01%
For the Lending / Borrowing Pour le marché de Prêt / Emprunt Voor de Lending / Borrowing Para Empréstimo	0.001
For other Securities <i>Pour les autres titres /</i> <i>Andere financiële instrumenten /</i> <i>Outros valores mobiliários</i>	€0.01

\*Equities with a low price may follow a fixed tick size of €0.0001 as specified in an Euronext Lisbon, Brussels or Amsterdam notice. Other instruments representative of equity capital may also follow a different tick size as specified in an Euronext Lisbon Notice.

These tick sizes are also applicable for other currencies than Euro. Exceptions are possible and if applicable they will be announced and listed in a Euronext Trading Announcement.

*Ces échelons de cotation sont également applicables à d'autres monnaies que l'Euro. Des exceptions peuvent être faites: elles sont alors mentionnées par un Avis particulier.*

*De tick size is tevens van toepassing op alle andere valuta's dan de Euro. Uitzondering op de regel is mogelijk en indien van toepassing, zal dit gepubliceerd en bekend worden gemaakt via een Euronext Trading Announcement.*

*Os tick sizes serão também aplicados a outras moedas, para além do Euro. Excepções são possíveis e se aplicadas serão anunciadas por um Euronext Trading Announcement.*

**d) Member order confirmation time in continuous phase after a message of collar breach:**

In continuous phase: Member confirmation time after a message of collar breach: < 30 seconds.

*En phase continue: Temps de confirmation d'un ordre après le dépassement d'un collar: < 30 secondes.*  
*In doorlopende handelsfase: Bevestigingstijd voor Euronext lid na een "collar" overschreidingsbericht: < 30 seconden.*

*Em fase continua: Prazo de confirmação pelo membro após uma mensagem de violação de "collar": < 30 segundos.*

**e) Specific static collars for penny stocks:**

*Seuils statiques spécifiques pour les penny stocks*  
*Specifieke statische collars voor penny stocks*  
*Collars estáticos específicos para penny stocks*

<b>Static reference price (p)</b> <i>Prix de référence statique / Statische referentie prijs / preço de referência estático</i>	<b>Static price range</b> <i>Seuils de prix statiques / band breedte statische prijs / Limites de variação estáticos</i>
p < 0.20	0.02

Please be aware that this specific static price range is not applicable to bonds and ETF trading groups.  
Ces seuils spécifiques de réservation statiques ne sont pas applicables aux groupes de cotation d'ETFs et d'obligations.  
De specifieke statische bandbreedte is niet van toepassing op handelsgroepen voor obligaties en ETF's.  
Estes tipos de limites de reservação não são aplicáveis aos grupos de negociação das obrigações e dos ETFs

**f) For covered warrants and certificates, the static price range depends on the premium (p):**

*Concernant les warrants, les seuils de prix statiques dépendent de la prime (p):*  
*Ten aanzien van covered warrants, geldt dat de static price range afhangt van de referentie prijs (p):*  
*Nos covered warrants, os limites de variação estáticos dependem do prêmio (p):*

<b>Premium (p)</b> <i>Prime (p) /prijs (p) /prémio (p)</i>	<b>Static price ranges</b> <i>Seuils de prix statiques / S tatic price ranges / Limites de variação estáticos</i>
p = 0.01	100 %
p in [0.02 ; 0.04]	95 %
p in [0.05 ; 0.09]	50 %
p in [0.10 ; 0.24]	40 %
p in [0.25 ; 0.74]	35 %
p in [0.75 ; 0.99]	25 %
p in [1.00 ; 49.99]	10%
p >= 50.00	2.5%, 5% or 10% (depending on the issuer – See table) ( <i>en fonction de l'émetteur – voir table</i> ) / ( <i>afhankelijk van de issuer – zie overzicht</i> ) / ( <i>depende do emitente – ver tabela</i> )

**g) Liquidity Provider Requirements for ETFs, ETVs, ETNs & Investment Funds:**

*Engagements des Apporteurs de Liquidité d'ETFs, ETVs, ETNs & Fonds d'Investissement / Verplichtingen  
voor Liquiditeitsverschaffers in ETFs, ETVs, ETNs & Beleggingsfondsen / Obrigações de Criador de  
Mercado nos ETFs, ETVs, ETNs & Fundos de Investimentos*

The LP commits to maintain a spread of firm bid and offer prices from the opening auction, during continuous trading and at the closing auction.

*L'Apporteur de Liquidité est tenu de positionner des fourchettes d'achat et de vente à partir du fixing d'ouverture, puis tout au long de la journée de négociation, ainsi que lors du fixing de clôture.  
De liquiditeitsverschaffer wordt geacht gedurende de gehele handelsdag, dus vanaf de openingsveiling, gedurende de doorlopende handel, tot en met de sluitingsveiling, een spread van vaste bied- en laatkoersen te onderhouden.*

*O Criador de Mercado compromete-se a manter um spread de preços de compra e venda firmes a partir do leilão de abertura, durante a negociação em contínuo e no leilão de fecho.*

## ETFs

<b>Underlying Category</b> <i>Catégorie Sous-jacente / Onderliggende Categorie / Categoria Activo Subjacente</i>	<b>Maximum Spread</b> <i>Fourchette Maximum / Maximale S pread / Spread Máximo</i>	<b>Minimum Size</b> <i>Taille Minimum / Minimumgrootte / Volume Mínimo</i>
Standard Exposure * European Equity Index Exposition Standard* Indice d'Action européen / Standard exposure* Europese Aandelenindex / Exposição Standard* Índice Europeu Acções	2.00%	€ 100,000
Standard Exposure* Government Fixed Income Index Exposition Standard* Indice sur titres à revenu fixe du gouvernement / Standard Exposure* overheidseffecten met vaste inkomsten / Exposição Standard* Índice Renda Fixa	2.00%	€ 100,000
All Other Autres / Anderen / Outros	3.00%	€ 100,000

\* Standard exposure refers to indices that do not offer any multiple, inverse, or inverse multiple of the underlying assets measured by the index.

\* Exposition standard fait référence à des indices qui ne proposent pas de multiple, inverse ou multiple inverse des actifs sous-jacents mesurés par l'indice.

\* Standard exposure verwijst naar indexen die geen veelvoud, inverse, of inverse veelvoud bieden van de onderliggende activa gemeten door de index.

\* Exposição Standard faz referência aos índices que não oferecem qualquer múltiplo, inverso, ou múltiplo inverso dos activos subjacentes medidos pelo índice.

## ETVs, ETNs & Investment Funds

<b>Financial Instrument</b> <i>Instrument Financier / Financieel Instrument / Instrumento Financeiro</i>	<b>Maximum Spread</b> <i>Fourchette Maximum / Maximale Spread / Spread Máximo</i>	<b>Minimum Size</b> <i>Taille Minimum / Minimumgrootte / Volume Mínimo</i>
ETV & ETN	3.00%	€ 100,000
Investment Fund** Traded Continuously <i>Fonds d'Investissement** traité en continu / Doorlopend verhandeld beleggingsfonds** / Fundo de Investimento** Negociação Continuo</i>	4.00%	€ 10,000
Investment Fund** Traded by Auction <i>Fonds d'Investissement traité au fixing / Beleggingsfonds**verhandeld per veiling / Fundo de Investimento** Negociação Chamada</i>	4.00%	€ 5,000

\*\* Investment fund refers to any investment fund other than ETFs and other than open and investment funds traded via the Euronext Fund Service (EFS).

The latter are not part of the NYSE Euronext Central Order Book and do not benefit from any LP scheme.

\*\* Fonds d'Investissement correspond à un fonds d'investissement autre que les ETFs et autre que les fonds d'investissement ouverts négociés sur Euronext Fund Service (EFS) . Ces derniers ne font pas parties du Carnet d'Ordres Central et ne bénéficient d'aucun régime d'Apporteur de Liquidité.

\*\* Beleggingsfonds verwijst naar beleggingsfondsen die geen ETF's en geen open-einde beleggingsfondsen verhandelbaar via de Euronext Fund Service (EFS) zijn. Deze laatste maken geen uit van het Centrale Orderboek en hebben geen liquiditeitsverschaffersregeling.

\*\* Fundo de Investimento corresponde a todos os fundos de investimento que não são negociados através do Livro de Ofertas Central e, como tal, não beneficiam de qualquer regime de Criação de Mercado.

These Liquidity Provider (LP) requirements are applicable to specific and separate LP Agreements entered into with each LP. The purpose of the Agreement is to define the conditions under which the LP is responsible to NYSE Euronext for performing its services through the Central Order Book in one or more Financial Instruments. NYSE Euronext shall use reasonable best efforts to ensure compliance with these requirements. No third party shall avail itself of any provision of such Agreement, which is between NYSE Euronext and each LP.

*Ces engagements d'Apporteur de Liquidité sont applicables aux Contrats d'Apporteur de Liquidité signés par chaque Apporteur de Liquidité. Le Contrat a pour objet de définir les conditions pour lesquelles l'Apporteur de Liquidité exécute ses services et est tenu d'intervenir dans le Carnet d'Ordres Central sur un ou plusieurs Instruments Financiers. NYSE Euronext mettra en œuvre tous les moyens raisonnables pour assurer la*

conformité à ces engagements. Aucun tiers ne pourra se prévaloir d'une quelconque des clauses du Contrat signé entre NYSE Euronext et l'Apporteur de Liquidité.

Deze verplichtingen voor liquiditeitsverschaffers zijn van toepassing op specifieke en afzonderlijke overeenkomsten met elke liquiditeitsverschaffer. De overeenkomst bepaalt onder welke voorwaarden de LP verantwoordelijk is voor het uitvoeren van zijn diensten via het Centrale Orderboek op één of meer financiële instrumenten. NYSE Euronext zal redelijke inspanningen ondernemen om de naleving van deze verplichtingen te waarborgen. Geen enkele derde partij is gerechtigd een beroep te doen op welke clausule dan ook van een dergelijke overeenkomst tussen NYSE Euronext en de liquiditeitsverschaffer.

Estas obrigações do Criador de Mercado são aplicáveis aos contratos específicos de Criação de Mercado e assinados separadamente com cada Criador de Mercado. O Contrato tem por objectivo definir as condições em que o Criador de Mercado é responsável perante a NYSE Euronext pela prestação dos seus serviços através do Livro de Ofertas Central em um ou mais Instrumentos Financeiros. A NYSE Euronext envidará todos os esforços razoáveis para assegurar o cumprimento dessas obrigações. Terceiros não podem recorrer a qualquer disposição do contrato assinado entre a NYSE Euronext e o Criador de Mercado.

#### **h) Liquidity Provider Requirements for Warrants, Certificates & Structured Notes:**

*Engagements des Apporteurs de Liquidité de Warrants, Certificats & Obligations Structurées / Verplichtingen voor Liquiditeitsverschaffers in Warranten, Certificaten & Gestructureerde Obligaties / Obrigações de Criador de Mercado nos Warrants, Certificados & Obrigações Estruturadas*

The Permanent Liquidity Provider commits to maintain a spread of firm bid and offer prices **from 5 minutes before the market opening**, and then throughout the Trading Day (including the order-accumulation periods preceding pre-scheduled or other auctions during a Trading Day).

*L'Apporteur de Liquidité permanent est tenu de positionner des fourchettes achat / vente **durant les 5 minutes précédant l'ouverture du marché**, puis tout au long de la Journée de Négociation, y compris les phases d'accumulation d'ordres précédant les fixings de la Journée de Négociation, programmés à heures fixes ou non.*

*De permanente liquiditeitsverschaffer wordt geacht een spread van vaste bied- en laatkoersen te onderhouden **vanaf 5 minuten voor de opening van de markt** en daarna gedurende de gehele handelsdag, met inbegrip van orderaccumulatieperiodes voorafgaand aan geplande of andere veilingen. O Criador de Mercado compromete-se a manter um spread de preços de compra e venda firmes **nos 5 minutos que antecedem a abertura do mercado** e durante todo o dia de negociação, incluindo os períodos de acumulação de ofertas que precedem os leilões que se encontrem, ou não, agendados.*

**Warrants** / Warrants / Warranten / Warrants

<b>Underlying</b> <i>Sous-jacent / Onderliggende / Subjacente</i>	<b>Maximum Spread</b> <i>Fourchette Maximum / Maximale Spread / Spread Máximo</i>	<b>Minimum Size</b> <i>Taille Minimum / Minimumgrootte / Volume Mínimo</i>
CAC 40®, BEL 20®, AEX25®,	Max (€0.03, 3%)	Min (50,000 wts, €10,000)



PSI 20®, DJ EURO STOXX 50SM , Dow Jones Industrial AverageSM, Nikkei 225, Nasdaq 100®, FTSEurofirst 80®, S&P 500, DAX® index / indice / index / índice.		
Other indices / Autres indices / Andere indexen / Outros índices	Max (€0.05, 5%)	Min (50,000 wts, €10,000)
Basket of equities / Panier d'actions / Aandelenmandje / Cesto de acções	Max (€0.05, 5%)	Min (50,000 wts, €10,000)
Equities / Actions / Aandelen / Acções	Max (€0.07, 5%)	Min (50,000 wts, €10,000)
Rates / Taux d'Intérêts / Rentevoeten / Taxas de juro	Max (€0.10, 5%)	Min (50,000 wts, €10,000)
Currencies / Devises / Valuta / Moeda	Max (€0.15, 5%)	Min (50,000 wts, €10,000)
Commodities / Matières premières / Grondstoffen / Matérias-primas	Max (€0.15, 5%)	Min (50,000 wts, €10,000)
All Other / Autres / Anderen / Outros	Max (€0.15, 5%)	Min (50,000 wts, €10,000)

**Knock-out products** / *Produits à barrière désactivante* / *Stop-loss producten* / *Produtos com barreira desactivante*

<b>Underlying</b> <i>Sous-jacent / Onderliggende / Sub jacente</i>	<b>Maximum Spread</b> <i>Fourchette Maximum / Maximale S pread / Spread Máximo</i>	<b>Minimum Size</b> <i>Taille Minimum / Minimumgrootte / Volume Mínimo</i>
CAC 40®, BEL 20®, AEX25®, PSI 20®, DJ EURO STOXX 50SM, Dow Jones Industrial AverageSM, Nikkei 225, Nasdaq 100®, FTSEurofirst 80®, S&P 500, DAX® index / indice / index / índice.	Max (€0.20, 10%)	Min (50,000 prd, €10,000)
Other indices / Autres indices / Andere indexen / Outros índices	Max (€0.25, 15%)	Min (50,000 prd, €10,000)
Equities / Actions / Aandelen / Acções	Max (€0.25, 15%)	Min (50,000 prd, €10,000)
Currencies / Devises /	Max (€0.30, 15%)	Min (50,000 prd, €10,000)

Valuta / Moeda		
Commodities / Matières premières / Grondstoffen / Matérias-primas	Max (€0.30, 15%)	Min (50,000 prd, €10,000)
All Other / Autres / Anderen / Outros	Max (€0.15, 5%)	Min (50,000 prd, €10,000)

If needed, the Liquidity Provider is authorized to reduce the minimum amount quoted on these products to Min (15 000 products (prd), €3 000) when they approach their knock-out barrier.

*Si nécessaire, l'Apporteur de Liquidité est autorisé à réduire à Min (15 000 produits (prd), €3 000) la taille minimum de cotation sur ces produits quand ces derniers approchent leur barrière désactivante.*

*Indien nodig wordt de Liquidity Provider gemachtigd tot het verlagen van de minimum verplichting op deze producten tot 15000 producten of € 3,000 wanneer zij hun stop-loss barrière benaderen.*

*Se necessário, e caso este tipo de produtos se aproxime da sua barreira desactivante, o Criador de Mercado está autorizado a reduzir o número mínimo de títulos ou o montante mínimo para 15,000 produtos ou € 3,000, respectivamente.*

**Certificates & Exotic certificates** / Certificats & Certificats exotiques / Certificaten & Exotische certificaten / Certificados & Certificados exóticos

<b>Financial Instrument</b> <i>Instrument Financier / Financieel Instrument / Instrumento Financeiro</i>	<b>Maximum Spread</b> <i>Fourchette Maximum / Maximale Spread / Spread Máximo</i>	<b>Minimum Size</b> <i>Taille Minimum / Minimumgrootte / Volume Mínimo</i>
Certificates / Certificats / Certificaten / Certificados	Max(€3, 5%)	€10000

During a certificate's last week of trading, the Liquidity Provider is authorized to widen the maximum spread to €20 or 20%.

*Lors de la dernière semaine de cotation du Certificat, l'Apporteur de Liquidité est autorisé à élargir sa fourchette au-delà des écarts mentionnés ci-dessus sans toutefois pouvoir dépasser un écart maximum de €20 ou 20%.*

*Tijdens de laatste week van notering van het certificaat, is de Liquidity Provider gemachtigd om zijn maximale spread te vergroten tot €20 of 20%.*

*Durante a última semana de cotação do certificado, o Criador de Mercado está autorizado a ampliar o spread máximo para €20 ou 20%.*

**Convertibles & Structured Notes** / *Convertibles & obligations structurées / Convertibles & Gestructureerde obligaties / Convertíveis & Obrigações estruturadas*

<b>Financial Instrument</b> <i>Instrument Financier / Financieel Instrument / Instrumento Financeiro</i>	<b>Maximum Spread</b> <i>Fourchette Maximum / Maximale Spread / Spread Máximo</i>	<b>Minimum Size</b> <i>Taille Minimum / Minimumgrootte / Volume Mínimo</i>
Convertibles / <i>Convertibles / Convertibles / Convertíveis</i>	Max(€3, 5%)	€10000
Structured notes / <i>Obligations structurées / Gestructureerde obligaties / Obrigações estruturadas</i>	4%	€10000

These Liquidity Provider (LP) requirements are applicable to specific and separate LP Agreements entered into with each LP. The purpose of the Agreement is to define the conditions under which the LP is responsible to NYSE Euronext for performing its services through the Central Order Book in one or more Financial Instruments. NYSE Euronext shall use reasonable best efforts to ensure compliance with these requirements. No third party shall avail itself of any provision of such Agreement, which is between NYSE Euronext and each LP.

*Ces engagements d'Apporteur de Liquidité sont applicables aux Contrats d'Apporteur de Liquidité signés par chaque Apporteur de Liquidité. Le Contrat a pour objet de définir les conditions dans lesquelles l'Apporteur de Liquidité exécute ses services et est tenu d'intervenir dans le Carnet d'Ordres Central sur un ou plusieurs Instruments Financiers. NYSE Euronext mettra en œuvre tous les moyens raisonnables pour assurer la conformité à ces engagements. Aucun tiers ne pourra se prévaloir d'une quelconque des clauses du Contrat signé entre NYSE Euronext et l'Apporteur de Liquidité.*

*Deze verplichtingen voor liquiditeitsverschaffers zijn van toepassing op specifieke en afzonderlijke overeenkomsten met elke liquiditeitsverschaffer. De overeenkomst bepaalt onder welke voorwaarden de LP verantwoordelijk is voor het uitvoeren van zijn diensten via het Centrale Orderboek op één of meer financiële instrumenten. NYSE Euronext zal redelijke inspanningen ondernemen om de naleving van deze verplichtingen te waarborgen. Geen enkele derde partij is gerechtigd een beroep te doen op welke clausule dan ook van een dergelijke overeenkomst tussen NYSE Euronext en de liquiditeitsverschaffer.*

*Estas obrigações do Criador de Mercado são aplicáveis aos contratos específicos de Criação de Mercado e assinados separadamente com cada Criador de Mercado. O Contrato tem por objectivo definir as condições em que o Criador de Mercado é responsável perante a NYSE Euronext pela prestação dos seus serviços através do Livro de Ofertas Central em um ou mais Instrumentos Financeiros. A NYSE Euronext envidará todos os esforços razoáveis para assegurar o cumprimento dessas obrigações. Terceiros não podem*

recorrer a qualquer disposição do contrato de Criador de Mercado assinado entre a NYSE Euronext e o Criador de Mercado.

> Pre-opening at 07:15 CET for any Euronext Cash Market

**Belgium regulated market**

*Marchés belges réglementés / Gereguleerde Belgische markten / Mercado regulamentado Belga*

Gr.	Type	Mode	OA	Trading	CA	TAL	Col A	Col C	Static Col	Auto	Co / R
A0	Equities BEL20	C	09:00	09:00 - 17:30	17:35	17:35 - 17:40	6%	3%	10%	120 s	<b>Co</b>
A1	Equities	C	09:00	09:00 - 17:30	17:35	17:35 - 17:40	10%	5%	10%	120 s	R
A3	Foreign Equities	C	09:00	09:00 - 17:30	17:35	17:35 - 17:40	10%	10%		120 s	R/Ex
A5	Equities	DA	-	11:30 & 16:30	-	11:30 - 12:00 16:30 - 17:00	10%	-		-	-
A7	Foreign Equities	DA	-	11:30 & 16:30	-	11:30 - 12:00 16:30 - 17:00	10%	-		-	-
A8	Equities Temporary listing	SA	-	15:00	-	15:00 - 15:30	10%	-		-	-
A9	Real Estate certificates	SA	-	15:00	-	15:00 - 15:30	10%	-		-	-
AB	Equities - Foreign currencies	C	09:00	09:00 - 17:30	17:35	17:35 - 17:40	10%	5%	10%	120 s	R
AD	Equities - Foreign currencies	DA	-	11:30 & 16:30	-	11:30 - 12:00 16:30 - 17:00	10%	-		-	-
AE	Equities recovery box - Continuous	C	09:00	09:00 - 17:30	17:35	17:35 - 17:40	10%	10%		120 s	R/Ex
AF	BONDS - MIN TRADED AMOUNT - FOR CCY - FMT	SA	-	15:00	-	15:00 - 15:30	10%	-		-	-
AG	Equities- Penalty box - Continuous	C	09:00	09:00 - 17:30	17:35	17:35 - 17:40	10%	10%		120 s	R/Ex
AH	Equities - Penalty box - Fixing	SA	-	15:00	-	15:00 - 15:30	10%	-		-	-
B0	Structured products	C	09:05	09:05 - 17:30	-	-	10%	10%		120 s	R
B1	SICAV	SA	-	15:00	-	15:00 - 15:30	10%	-		-	-
B2	ETFs BE - SR = 2%	C	09:05	09:05 - 17:30	17:35	-	1.5% / 3%	-		30 s	R
BE	ETF BE - ALL CCY - EB - SR3	C	09:05	09:05 - 17:30	17:35	-	1.5%	-		30 s	R/Ex
BF	ETF BE - ALL CCY - EB - SR2	C	09:05	09:05 - 17:30	17:35	-	1.5	-		30 s	R/Ex
BC	ETF BE - SR3	C	09:05	09:05 - 17:30	17:35	-	1.5% / 3%	-		30 s	R
BD	ETF - SR3	C	09:05	09:05 - 17:30	17:35	-	1.5% / 3%	-		120 s	R/Ex
B7	Ancillary Shares	C	09:00	09:00 - 17:30	17:35	17:35 - 17:40	10%	10%		120 s	R/Ex
B8	Ancillary Shares	DA	-	12:00 & 17:00	-	12:00 - 12:30 17:00 - 17:30	10%	-		-	-
B9	Strips	SA	-	15:00	-	15:00 - 15:30	30%	-		-	-

C1	Convertible bonds	C	09:00	09:00 - 17:30	17:35	17:35 - 17:40	5%	5%		120 s	R
C2	Convertible bonds	DA	-	12:00 & 17:00	-	12:00 - 12:30 17:00 - 17:30	10%	-		-	-
C3	Corporate bonds - NBB settlement	DA	-	11:30 & 16:30	-	11:30 - 12:00 16:30 - 17:00	1fpp	-		-	-
C4	State bonds – EUR	SA	-	14:30	-	-	1fpp	-		-	-
C5	Bonds - Foreign currencies	C	09:00	09:00 - 17:30	17:35	17:35 - 17:40	1fpp	1fpp	5fpp	120 s	R
C6	Bonds - Foreign currencies	DA	-	11:30 & 16:30	-	11:30 - 12:00 16:30 - 17:00	1fpp	-		-	-
C7	Corporate bonds	DA	-	11:30 & 16:30	-	11:30 - 12:00 16:30 - 17:00	1fpp	-		-	-
C8	State bonds – NBB settlement(weekly)	SA	-	14:30 (Thursday)	-	-	5%	-		-	-
C9	State bonds – Physical delivery (weekly)	SA	-	14:30 (Thursday)	-	-	5%	-		-	-
CA	State bonds - NBB settlement	C	09:00	09:00 - 17:30	17:35	17:35 - 17:40	1fpp	1fpp	5fpp	120 s	R/Ex
CB	Convertible bonds - NBB settlement	DA	-	11:30 & 16:30	-	11:30 - 12:00 16:30 - 17:00	10%	-		-	-
CC	Convertible Bonds - PCT - FIX	DA	-	12:00 & 17:00	-	12:00 - 12:30 17:00 - 17:30	1fpp	-		-	-
CD	Real Estate certificates	C	09:00	09:00 - 17:30	17:35	17:35 - 17:40	10%	5%	10%	120 s	R
CE	Treasury Certificates - NBB Settlement	C	09:00	09:00 - 17:30	17:35	17:35 - 17:40	1fpp	1fpp	5fpp	120 s	R/Ex
CF	Corporate bonds F MT - Minimum trade amount	C	09:00	09:00 - 17:30	17:35	17:35 - 17:40	1fpp	1fpp	5fpp	120 s	R/Ex
CG	Corporate Bonds - NBB Settlement - Continuous	C	09:00	09:00 - 17:30	17:35	17:35 - 17:40	1fpp	-		-	-
CH	BONDS - MIN TRADE AMOUNT - FOR CCY - CT - FMT	C	09:00	09:00 - 17:30	17:35	17:35 - 17:40	1fpp	1fpp	5fpp	120 s	R/Ex
96	Equities Regulated Market - IPOs	-	-	-	-	-	-	-	-	-	-
95	Primary Market Bonds - NBB	C	-	-	-	-	-	-	-	-	-

### Belgium non regulated market

Marchés belges non réglementés/ Niet gereguleerde Belgische markten/ Mercado não regulamentado Belga

Gr.	Type	Mode	OA	Trading	CA	TAL	Col A	Col C	Static Col	Auto	Co/ R
A4	Equities Trading facility	C	09:00	09:00 - 17:30	17:35	17:35 - 17:40	10%	10%		120 s	R/Ex
EC	Equities Alternext	SA	-	15:30	-	15:30 - 16:00	20%	-		-	-
ED	Equities Alternext	C	09:00	09:00 - 17:30	17:35	17:35 - 17:40	10%	5%	10%	120 s	R

EE	Equities Alternext Private investment	SA	-	15:30	-	15:30 - 16:00	20%	-	-	-	-
EF	Ancillary shares Alternext	SA	-	16:00	-	16:00 - 16:30	20%	-	-	-	-
EG	Ancillary shares Alternext	C	09:00	09:00 - 17:30	17:35	17:35 - 17:40	10%	5%	10%	120 s	R/Ex
EQ	Equities Alternext Foreign currencies	SA	-	15:30	-	15:30 - 16:00	1fpp	-	-	-	-
ER	Alternext - Bonds - NBB Settle ment	SA	-	16:30	-	16:30 - 17:00	1fpp	-	-	-	-
ET	Alternext - Bonds - Foreign currencies	SA	-	16:30	-	16:30 - 17:00	1fpp	-	-	-	-
EX	Alternext - Bonds	C	09:00	09:00 - 17:30	17:35	17:35 - 17:40	6%	3%	10%	120s	Co
EY	Alternext - Bonds - BNB - Continuous	C	09:00	09:00 - 17:30	17:35	17:35 - 17:40	6%	3%	10%	120s	Co
B4	Free Market Equities	SA	-	15:00	-	15:00 - 15:30	10%	-	-	-	-
BA	Ancillary shares Free Market	SA	-	15:30	-	15:30 - 16:00	10%	-	-	-	-
BB	Equities Free Market IPOs - SHIVA	C	-	-	-	-	-	-	-	-	-
B5	Free Market Bonds	SA	-	16:30	-	16:30 - 17:00	1fpp	-	-	-	-

### Dutch regulated market

*Marchés néerlandais réglementés / Gereguleerde Nederlandse markten / Mercado regulamentado Holandê*

Gr.	Type	Mode	OA	Trading	CA	TAL	Col A	Col C	Static Col	Auto	Co / R
J0	Equities AEX	C	09:00	09:00 - 17:30	17:35	17:35 - 17:40	6%	3%	10%	120 s	<b>Co</b>
J1	Equities	C	09:00	09:00 - 17:30	17:35	17:35 - 17:40	10%	5%	10%	120 s	R
J2	Foreign Equities	C	09:00	09:00 - 17:30	17:35	17:35 - 17:40	10%	10%		120 s	R/Ex
J3	Equities	DA	-	11:30 & 16:30	-	11:30 - 12:00 16:30 - 17:00	10%	-		-	-
J7	Foreign Equities	C	09:00	09:00 - 17:30	17:35	17:35 - 17:40	10%	10%		120 s	R/Ex
J8	Foreign Equities	DA	-	11:30 & 16:30	-	11:30 - 12:00 16:30 - 17:00	10%	-		-	-
JC	Equities recovery b ox - Continuous	C	09:00	09:00 - 17:30	17:35	17:35 - 17:40	10%	5%	10%	120 s	R
JD	Equities recovery b ox - Fixing	DA	-	11:30 & 16:30	-	11:30 - 12:00 16:30 - 17:00	10%	-		-	-
JE	Equities - Foreign currencies	C	09:00	09:00 - 17:30	17:35	17:35 - 17:40	10%	10%		120 s	R/Ex
JF	Equities - Foreign currencies	DA	-	11:30 & 16:30	-	11:30 - 12:00 16:30 - 17:00	10%	-		-	-
JG	Equities - Penalty B ox - Continuous	C	09:00	09:00 - 17:30	17:35	17:35 - 17:40	10%	5%	10%	120 s	R
JH	Equities - Penalty B ox - Fixing	DA	-	11:30 & 16:30	-	11:30 - 12:00 16:30 - 17:00	10%	-		-	-

KA	Investment funds low vol - Foreign currency	C	09:30	09:30 - 17:30	-	-	5%	5%		120 s	R
KB	Investment funds low vol - Foreign Currencies	DA	-	11:30 & 16:30	-	11:30 - 12:00 16:30 - 17:00	10%	-		-	-
KC	ETFS - Alternate trading hours - SR=2%	C	14:30	14:30 - 17:30	17:35	-	1.5% /- 3%			30 s	R
KG	ETFS ALTERNATE - SR3	C	14:30	14:30 - 17:30	17:35	-	1.5% /- 3%			30 s	R
KD	ETFS - Alternate tr ad -FOR CCY - SR = 2%	C	14:30	14:30 - 17:30	17:35	-	1.5% /- 3%			30 s	R
KH	ETFS ALTERNATE - FOR CCY - SR3	C	14:30	14:30 - 17:30	17:35	-	1.5% /- 3%			30 s	R
K0	Ancillary Shares	C	09:00	09:00 - 17:30	17:35	17:35 - 17:40	10%	10%		120 s	R
K1	Ancillary Shares	DA	-	12:00 & 17:00	-	12:00 - 12:30 17:00 - 17:30	10%	-		-	-
K2	ETF NL - SR = 2%	C	09:05	09:05 - 17:30	17:35	-	1.5% /- 3%			30 s	R
KE	ETF NL - SR3	C	09:05	09:05 - 17:30	17:35	-	1.5% /- 3%			30 s	R
K3	ETFS - FOR CCY - CONTINUOUS - SR = 2%	C	09:05	09:05 - 17:30	17:35	-	1.5% /- 3%			30 s	R
KI	ETF NL - ALL CCY - EB - SR3	C	09:05	09:05 - 17:30	17:35	-	1.5%	-		30 s	R /Ex
KJ	ETF NL - ALL CCY - EB - SR2	C	09:05	09:05 - 17:30	17:35	-	1.5%	-		30 s	R /Ex
KF	ETFS - FOR CCY - SR3	C	09:05	09:05 - 17:30	17:35	-	1.5% /- 3%			30 s	R
8C	ETF NL - NAV 1	C	09:05	09:05 - 17:30	17:35	-	1.5% /- 3%			30 s	R
K4	Investment funds	C	09:30	09:30 - 17:30	-	-	5%	5%		120 s	R
K5	Investment funds	C	09:30	09:30 - 17:30	-	-	10%	10%		120 s	R
K6	Investment funds	DA	-	11:30 & 16:30	-	11:30 - 12:00 16:30 - 17:00	10%	-		-	-
K7	Investment funds	SA	-	09:30	-	-	5%	-		-	-
L0	State Bonds	C	09:00	09:00 - 17:30	17:35	17:35 - 17:40	1fpp	1fpp	5fpp	120 s	R /Ex
L1	Corporate bonds – Non guaranteed	C	09:00	09:00 - 17:30	17:35	17:35 - 17:40	1fpp	1fpp	5fpp	120 s	R
L2	Corporate bonds – Guaranteed	C	09:00	09:00 - 17:30	17:35	17:35 - 17:40	1fpp	1fpp	5fpp	120 s	R
L3	Convertible Bonds	C	09:00	09:00 - 17:30	17:35	17:35 - 17:40	1fpp	1fpp		120 s	R
L4	Other bonds	DA	-	11:30 & 16:30	-	11:30 - 12:00 16:30 - 17:00	1fpp	-		-	-
L5	Convertible Bonds	DA	-	12:00 & 17:00	-	12:00 - 12:30 17:00 - 17:30	10%	-		-	-
L6	Bonds - Foreign currencies	C	09:00	09:00 - 17:30	17:35	17:35 - 17:40	1fpp	1fpp	5fpp	120 s	R
L7	Bonds -	DA	-	11:30 & 16:30	-	11:30 - 12:00	1fpp	-		-	-

	Foreign currencies					16:30 - 17:00					
L8	Corporate Bonds - Non guaranteed - Foreign Currency	C	09:00	09:00 - 17:30	17:35	17:35 - 17:40	1fpp	1fpp	5fpp	120 s	R
L9	Convertible Bonds - Foreign currencies	C	09:00	09:00 - 17:30	17:35	17:35 - 17:40	1fpp	1fpp		120 s	R
LA	Corporate bonds – Non guaranteed	DA	-	11:30 & 16:30	-	11:30 - 12:00 16:30 - 17:00	1fpp	-	-	-	-
LB	Corporate Bonds - Non guaranteed - Foreign Currency	DA	-	11:30 & 16:30	-	11:30 - 12:00 16:30 - 17:00	1fpp	-	-	-	-
LC	State Bonds - Foreign currencies	C	09:00	09:00 - 17:30	17:35	17:35 - 17:40	1fpp	1fpp	5fpp	120 s	R
LD	Corporates bonds - Recovery box - Continuous	C	09:00	09:00 - 17:30	17:35	17:35 - 17:40	1fpp	1fpp	5fpp	120 s	R
LE	Bonds - Recovery box - double fixing	DA	-	11:30 & 16:30	-	11:30 - 12:00 16:30 - 17:00	1fpp	-	-	-	-
LF	Corporate bonds - guaranteed - minimum trade amount	C	09:00	09:00 - 17:30	17:35	17:35 - 17:40	1fpp	1fpp	5fpp	120 s	R
LG	BONDS - MIN TRADE AMOUNT - FOREIGN CURRENCY - CT - FMT	C	09:00	09:00 - 17:30	17:35	17:35 - 17:40	1fpp	1fpp	5fpp	120 s	R
94	Primary Market Bonds - Amsterdam	C	-	-	-	-	-	-	-	-	-
N5	ETVs	C	09:05	09:05 - 17:30	17:35	-	1.5% / -3%			30s	R

Gr.	Type	Mode	OA	Trading	CA	TAL	R	AUTO
KM	TCS - Dutch funds (monthly auction)	SA	-	10:00	-	-	-	-
KN	TCS - Dutch funds - Foreign Currency (weekly auction)	SA	-	10:00	-	-	-	-
KP	TCS - Dutch funds - Foreign Currency	SA	-	10:00	-	-	-	-
KQ	TCS Dutch Funds (quarterly auctions)	SA	-	10:00	-	-	-	-
KW	TCS Dutch funds (weekly auction)	SA	-	10:00	-	-	-	-
KX	TCS - FUND NL NAV 2	SA	-	11:00	-	-	-	-
KZ	TCS Dutch funds (daily auction)	SA	-	10:00	-	-	-	-
M3	Warrants – Fortis Bank	C	09:05	09:05 - 17:30	-	-	Cf f)	30 s.
M9	Warrants	DA	-	12:00 & 17:00	-	-	Cf f)	-
ME	Certificates – Foreign currencies	C	09:05	09:05 - 17:30	-	-	-	30 s.



MF	Exotic warrants - Other issuer	C	09:05	09:05 - 17:30	-	-	-	-	30 s.
N0	Structured products (%)	C	09:05	09:05 - 17:30	-	-	2.5%	30 s.	
N1	Structured products (€)	C	09:05	09:05 - 17:30	-	-	2.5%	30 s.	
N2	Structured products (%)	DA	-	11:30 & 16:30	-	11:30 - 12:00 16:30 - 17:00	2.5%	-	
N3	Structured products (€)	DA	-	11:30 & 16:30	-	11:30 - 12:00 16:30 - 17:00	2.5%	-	
N6	Structured products percent - Foreign Currency	C	09:05	09:05 - 17:30	-	-	2.5%	30 s.	
N7	Structured products euro- Foreign Currency	C	09:05	09:05 - 17:30	-	-	2.5%	30 s.	
N8	Structured products percent - Foreign Currency	DA	-	11:30 & 16:30	-	11:30 - 12:00 16:30 - 17:00	2.5%	-	
NZ	Fixed Income - TCS		Block Trading	(07:00 - 19:00)					

#### Dutch non regulated market

*Marchés néerlandais non réglementés / Niet gereguleerde Nederlandse markten / Mercado não regulamentado Holandês*

Gr.	Type	Mode	OA	Trading	CA	TAL	Col A	Col C	Static Col	Auto	Co / R
JA	Equities Trading facility	C	09:00	09:00 - 17:30	17:35	17:35 - 17:40	5%	5%		120 s	R/EX
JB	Equities Trading facility	DA	-	11:30 & 16:30	-	11:30 - 12:00 16:30 - 17:00	5%	-		-	-
E5	Equities Alternext	SA	-	15:30	-	15:30 - 16:00	20%	-		-	-
E6	Equities Alternext	C	09:00	09:00 - 17:30	17:35	17:35 - 17:40	10%	5%	10%	120 s	R
EB	Equities Alternext P private investment	C	09:00	09:00 - 17:30	17:35	17:35 - 17:40	10%	5%	10%	120 s	R
E7	Ancillary shares Alternext	SA	-	16:00	-	16:00 - 16:30	20%	-		-	-
E8	Ancillary shares Alternext	C	09:00	09:00 - 17:30	17:35	17:35 - 17:40	10%	5%		120 s	R
EJ	Bonds Alternext	SA	-	16:30	-	16:30 - 17:00	1fpp	-		-	-
EK	Bonds Alternext	C	09:00	09:00 - 17:30	17:35	17:35 - 17:40	1fpp	1fpp		120 s	R

#### French regulated market

*Marchés français réglementés / Gereguleerde Franse markten / Mercado regulamentado Francês*

Gr.	Type	Mode	OA	Trading	CA	TAL	Col A	Col C	Static Col	Auto	Co / R
F1	Equities CAC40 -	C	09:00	09:00 - 17:30	17:35	17:35 - 17:40	6%	3%	10%	120 s	Co

	Group 1											
F2	Equities CAC40 - Group 2	C	09:00	09:00 - 17:30	17:35	17:35 - 17:40	6%	3%	10%	120 s	Co	
F3	Equities - Penalty box - Continuous	C	09:00	09:00 - 17:30	17:35	17:35 - 17:40	10%	10%		120 s	R/Ex	
F4	Equities - Penalty box - Fixing	DA	-	11:30 & 16:30	-	11:30 - 12:00 16:30 - 17:00	10%	10%		120 s	R/Ex	
05	Equities IPO	C	09:00	09:00 - 17:30	17:35	17:35 - 17:40	6%	3%	10%	120 s	R	
11	Equities SRD	C	09:00	09:00 - 17:30	17:35	17:35 - 17:40	10%	5%	10%	120 s	R	
12	Foreign Equities SRD	C	09:00	09:00 - 17:30	17:35	17:35 - 17:40	10%	10%		120 s	R/Ex	
13	Equities	DA	-	11:30 & 16:30	-	11:30 - 12:00 16:30 - 17:00	10%	-		-	-	
16	Equities	C	09:00	09:00 - 17:30	17:35	17:35 - 17:40	10%	5%	10%	120 s	R	
17	Equities	C	09:00	09:00 - 17:30	17:35	17:35 - 17:40	10%	5%	10%	120 s	R	
21	Foreign Equities SRD	C	09:00	09:00 - 17:30	17:35	17:35 - 17:40	10%	10%		120 s	R/Ex	
22	Foreign Equities	C	09:00	09:00 - 17:30	17:35	17:35 - 17:40	10%	10%		120 s	R/Ex	
23	Foreign Equities	DA	-	11:30 & 16:30	-	11:30 - 12:00 16:30 - 17:00	10%	-		-	-	
G0	Equities recovery box - Continuous	C	09:00	09:00 - 17:30	17:35	17:35 - 17:40	10%	10%		120 s	R/Ex	
G1	Equities recovery box - Fixing	DA	-	11:30 & 16:30	-	11:30 - 12:00 16:30 - 17:00	10%	-		-	-	
50	Equities - Foreign currencies	C	09:00	09:00 - 17:30	17:35	17:35 - 17:40	10%	5%		120 s	R	
51	Equities - Foreign currencies	DA	-	11:30 & 16:30	-	11:30 - 12:00 16:30 - 17:00	10%	-		-	-	
31	Ancillary Shares	C	09:00	09:00 - 17:30	17:35	17:35 - 17:40	10%	10%		120 s	R/Ex	
33	Ancillary Shares	DA	-	12:00 & 17:00	-	12:00 - 12:30 17:00 - 17:30	10%	-		-	-	
35	Convertible Bonds	C	09:00	09:00 - 17:30	17:35	17:35 - 17:40	5%	5%		120 s	R/Ex	
37	Convertible Bonds	DA	-	12:00 & 17:00	-	12:00 - 12:30 17:00 - 17:30	10%	-		-	-	
44	Other Bonds (€)	DA	-	11:30 & 16:30	-	11:30 - 12:00 16:30 - 17:00	1%	-		-	-	
4A	Public/ Semi-public Bonds - FMT	C	09:00	09:00 - 17:30	17:35	17:35 - 17:40	1fpp	1fpp	5fpp	120 s	R	
4B	State Bonds - FMT	C	09:00	09:00 - 17:30	17:35	17:35 - 17:40	1fpp	1fpp	5fpp	120 s	R/Ex	
4C	Corporate Bonds - FMT	C	09:00	09:00 - 17:30	17:35	17:35 - 17:40	1fpp	1fpp	5fpp	120 s	R	
4D	Other Bonds - FMT	DA	-	11:30 & 16:30	-	11:30 - 12:00 16:30 - 17:00	1fpp	-		-	-	
4E	State Bonds for retail - FMT	C	09:00	09:00 - 17:30	17:35	17:35 - 17:40	1fpp	1fpp	5fpp	120 s	R/Ex	
4F	BONDS - MIN TRADE AMOUNT - FOR CCY - FMT	C	09:00	09:00 - 17:30	17:35	17:35 - 17:40	1fpp	1fpp	5fpp	120 s	R	
4I	BONDS - MIN TRADE AMOUNT - CT - FMT	C	09:00	09:00 - 17:30	17:35	17:35 - 17:40	1fpp	1fpp	5fpp	120 s	R	
4M	Bonds - Foreign currencies -	C	09:00	09:00 - 17:30	17:35	17:35 - 17:40	1fpp	-	5fpp	120 s	R	

	FMT											
4N	Bonds - Foreign currencies - FMT	DA	-	11:30 & 16:30	-	11:30 - 12:00 16:30 - 17:00	1fpp	-	-	-	-	-
58	Convertible Bonds - Foreign currencies	C	09:00	09:00 - 17:30	17:35	17:35 - 17:40	5%	5%			120s	R
08	ETF FR Equity SR = 2%	C	09:05	09:05 - 17:30	17:35	-	1.5% / -3%				30 s	R
G9	ETF FR EQUITY SR3	C	09:05	09:05 - 17:30	17:35	-	1.5% / -3%				30 s	R
8A	ETF FR NAV 1	C	09:05	09:05 - 17:30	17:35	-	1.5% / -3%				30 s	R
8B	ETF FR NAV 2	C	09:05	09:05 - 17:30	17:35	-	1.5% / -3%				30 s	R
18	ETF FR Blue Chip CAC40-FTSE100 - SR=2%	C	09:05	09:05 - 17:30	17:35	-	1.5% / -3%				30 s	R
2A	ETF FR BLUE CHIP SR3	C	09:05	09:05 - 17:30	17:35	-	1.5% / -3%				30 s	R
59	ETF FR Blue Chip ESTX50- DAX - SR=2%	C	09:05	09:05 - 17:30	17:35	-	1.5% / -3%				30 s	R
G6	ETF FR Blue chip EST50 SR3	C	09:05	09:05 - 17:30	17:35	-	1.5% / -3%				30 s	R
G2	ETF FR Fixed Income-Commo - SR = 2%	C	09:05	09:05 - 17:30	17:35	-	1.5% / -3%				30 s	R
G8	ETF FR FIXED INCOME - COMMO - SR3	C	09:05	09:05 - 17:30	17:35	-	1.5% / -3%				30 s	R
47	ETFs - Alternate Trading Hours SR = 2%	C	14:30	14:30 - 17:30	17:35	-	1.5% / -3%				30 s	R
G3	ETF FR ALTERNATE - SR3	C	14:30	14:30 - 17:30	17:35	-	1.5% / -3%				30 s	R
49	ETN - Professional Trading Group	C	09:05	09:05 - 17:30	17:35	-	1.5% / -3%				30 s	R
52	ETFS - FOR CCY - SR=2%	C	09:05	09:05 - 17:30	17:35	-	1.5% / -3%				30 s	R
2H	ETF FR - ALL CCY - EB - SR3	C	09:05	09:05 - 17:30	17:35	-	1.5%	-			30 s	R /Ex
2I	ETF FR - ALL CCY - EB - SR2	C	09:05	09:05 - 17:30	17:35	-	1.5%	-			30 s	R /Ex
G5	ETFS - FOR CCY SR3	C	09:05	09:05 - 17:30	17:35	-	1.5% / -3%				30 s	R
53	ETVs	C	09:05	09:05 - 17:30	17:35	-	1.5% / -3%				30 s	R
60	Bonds FMT - TCS - Foreign Currency	-	-	-	-	-	-	-			-	-
62	Bonds UNT - TCS - Non guaranteed	-	-	-	-	-	-	-			-	-
65	Compulsory Buy-out Offer	C	09:00	09:00 - 17:30	17:35	17:35 - 17:40	2.5%	-			30 s	R

66	ETF FR Alternate trad-FOR CCY - SR=2%	C	14:30	14:30 - 17:30	17:35	-	1.5% / -3%	-	-	30 s	R
G7	ETF FR ALTERNATE FOR CCY - SR3	C	14:30	14:30 - 17:30	17:35	-	1.5% / -3%	-	-	30 s	R
68	Bonds - Recovery box - double fixing - unit	DA	-	12:00 & 17:00	-	12:00 - 12:30 17:00 - 17:30	10%	-	-	-	-
TS	DUMMY GROUP 1	C	-	06:35 - 17:40	-	-	-	-	-	-	-
TW	DUMMY GROUP 2	C	-	06:35 - 17:40	-	-	-	-	-	-	-
T6	DUMMY GROUP 3	C	-	06:35 - 17:40	-	-	-	-	-	-	-
T9	DUMMY GROUP 4	C	-	06:35 - 17:40	-	-	-	-	-	-	-
TU	DUMMY GROUP 5	C	-	06:35 - 17:40	-	-	-	-	-	-	-

Gr.	Type	Mode	OA	Trading	CA	TAL	R	AUTO
H0	Certificates	C	09:05	09:05 - 17:30	-	-	2.5%	30 s.
H8	Certificates	SA	-	17:00	-	-	10%	30 s.
H9	Exotic warrants – Calyon	C	09:05	09:05 - 17:30	-	-	Cf f)	30 s.
HA	ETC - Certificates	C	09:05	09:05 - 17:30	-	-	Cf f)	30 s.
HI	Certificates – Calyon	C	09:05	09:05 - 17:30	-	-	2.5%	30 s.
HS	Structured Products – Barclays – Comp. Professionnel	SA	-	17:00	-	-	10%	30 s.
HU	Structured Products – Barclays – Comp. Professionnel	C	09:05	09:05 - 17:30	-	-	10%	30 s.
HV	Tracking Certificates - BNP Paribas - Comp. Professionnel	C	09:05	09:05 - 17:30	-	-	5%	30 s.
HX	Tracking Certificates - BNP Paribas	C	09:05	09:05 - 17:30	-	-	5%	30 s.
HY	Tracking Certificates - BNP Paribas	C	09:05	09:05 - 17:30	-	-	5%	30 s.

	Foreign Currency								
HZ	Structured products (%) - FMT Barclays – Comp. Professionnel	C	09:05	09:05 - 17:30	-	-	10%	30 s.	
I1	Warrants – Crédit Agricole	C	09:05	09:05 - 17:30	-	-	Cf f)	30 s.	
4W	Structured products (%) - FMT	C	09:05	09:05 - 17:30	-	-	10%	30 s.	
4X	Structured products (%) - FMT	SA	-	16:00	-	16:00 - 16:30	10%	-	
4Z	Structured products (%) - FMT	DA	-	11:30 & 16:30	-	11:30 - 12:00 16:30 - 17:00	10%	-	
I8	Structured Products - (%) - comp. professionnel	C	09:05	09:05 - 17:30	-	-	10%	30 s.	
I9	Structured Products - (€) - comp. professionnel	C	09:05	09:05 - 17:30	-	-	2.5%	30 s.	
63	Lending/ Borrowing	QA	-	10:30 - 11:00 - 11:30 - 14:30 - 16:00	-	-	70 - 130	-	
57	TCN/Certificates of Deposit - Treasury Bills	-	Block trading	(07:00 - 19:00)	-	-	-	-	

### French non regulated markets

Marchés français non réglementés/ Niet gereguleerde Franse markten / Mercado não regulamentado Francês

Gr.	Type	Mode	OA	Trading	CA	TAL	Col A	Col C	Static Col	Auto	Co / R
10	Equities Free Market	SA	-	15:00	-	15:00 - 15:30	10%	-		-	-
2B	CERTIF - PROF COMP - FIX - MARCHÉ LIBRE	SA	-	17:00	-	-	10%	-		30 s	-
2C	STRUCT PDTS - PROF COMP - PCT - FIX - MARCHÉ LIBRE	SA	-	16:00	-	16:00 - 16:30	10%	-		-	-
2D	CERTIF - PROF COMP - FIX - FOR CCY - MARCHÉ LIBRE	SA	-	17:00	-	-	10%	-		-	-
2E	STRUCT PDTS - PROF COMP - PCT - FIX - FOR CCY - MARCHÉ LIBRE	SA	-	16:00	-	16:00 - 16:30	10%	-		-	-

2F	STRUCT PDTS - P ROF COMP - PCT - CONTINUOUS - M ARCHE LIBRE	C	09:05	09:05 - 17:30	-	-	10%	10%	-	30 s	R
30	Ancillary shares Free Market	SA	-	15:30	-	15:30 - 16:00	10%	-	-	-	-
54	Equities Free Market - Foreign currencies	SA	-	15:00	-	15:00 - 15:30	10%	-	-	-	-
E1	Equities Alternext	SA	-	15:30	-	15:30 - 16:00	20%	-	-	-	-
E2	Equities Alternext	C	09:00	09:00 - 17:30	17:35	17:35 - 17:40	10%	5%	10%	120 s	R
E3	Ancillary shares Alternext	SA	-	16:00	-	16:00 - 16:30	20%	-	-	-	-
E4	Ancillary shares Alternext	C	09:00	09:00 - 17:30	17:35	17:35 - 17:40	10%	10%	-	120 s	R/Ex
E9	Equities Alternext - Foreign currencies	SA	-	15:30	-	15:30 - 16:00	20%	-	-	-	-
EA	Equities Alternext Private investment	SA	-	15:30	-	15:30 - 16:00	20%	-	-	-	-
EU	Alternext Convertible Bonds - Single Auction	SA	-	16:00	-	16:00 - 16:30	20%	-	-	30 s	-
EV	Alternext Convertible Bonds - Continuous	C	09:00	09:00 - 17:30	17:35	17:35 - 17:40	10%	10%	-	120 s	R/Ex
4R	Alternext Bonds - FMT	SA	-	16:30	-	16:30 - 17:00	1fpp	-	-	-	-
EI	Alternext Private investment	C	09:00	09:00 - 17:30	17:35	17:35 - 17:40	10%	5%	10%	120 s	R
4G	Free Market- Bonds - Fixing - FMT	SA	-	15:00	-	15:00 - 15:30	1fpp	-	-	-	-
4H	Free Market- Bond s- For CCY - Fix - F MT	SA	-	15:00	-	15:00 - 15:30	1fpp	-	-	-	-
4S	Alternext Bonds - Foreign currencies - FMT	SA	-	16:30	-	16:30 - 17:00	1fpp	-	-	-	-
4T	Alternext Bonds - weekly Fixing - FMT	SA	-	15:30 (Wedne sday)	-	15:30 - 16:00	1fpp	-	-	-	-
19	Equities VRMR	SA	-	15:00	-	15:00 - 15:30	10%	-	-	-	-
39	Ancillary shares VRMR	SA	-	15:30	-	15:30 - 16:00	10%	-	-	-	-
69	Alternext Bonds UN T - TCS	-	-	-	-	-	-	-	-	-	-
98	Equities Free Market - IPOs	-	-	-	-	-	-	-	-	-	-

### French primary market

Marchés français / Franse markten / Mercado Francês

Gr.	Type	Mode	OA	Trading	CA	TAL	Col A	Col C	Static Col	Auto	Co / R
97	Primary Market Bonds – Paris	-	-	-	-	-	-	-	-	-	-

### Portuguese regulated markets

Marchés portugais réglementés / Gereguleerde Portugese markten / Mercado regulamentado Português

Gr.	Type	Mode	OA	Trading	CA	TAL	Col A	Col C	Static Col	Auto	Co / R
P0	Equities PSI20	C	09:00	09:00 - 17:30	17:35	17:35 - 17:40	6%	3%	10%	120 s	Co
P1	Equities	C	09:00	09:00 - 17:30	17:35	17:35 - 17:40	10%	5%	10%	120 s	R
P2	Equities	DA	-	11:30 & 16:30	-	11:30 - 12:00 16:30 - 17:00	10%	-	-	-	-
P5	Foreign Equities	C	09:00	09:00 - 17:30	17:35	17:35 - 17:40	10%	10%	-	120 s	R/Ex
P6	Foreign Equities	DA	-	11:30 & 16:30	-	11:30 - 12:00 16:30 - 17:00	10%	-	-	-	-
P8	Equities recovery box - Continuous	C	09:00	09:00 - 17:30	17:35	17:35 - 17:40	10%	5%	10%	120 s	R
P9	Equities recovery box - Fixing	SA	-	15:00	-	15:00 - 15:30	10%	-	-	-	-
Q1	Ancillary Shares	C	09:00	09:00 - 17:30	17:35	17:35 - 17:40	10%	5%	-	120 s	R/Ex
Q2	Ancillary Shares	DA	-	12:00 & 17:00	-	12:00 - 12:30 17:00 - 17:30	10%	-	-	-	-
PA	ETF PT - SR = 2%	C	09:05	09:05 - 17:30	17:35	-	1.5% / 3%	-	-	30 s	R
PB	ETF PT - SR3	C	09:05	09:05 - 17:30	17:35	-	1.5% / 3%	-	-	30 s	R
PC	Equities - Penalty box - Continuous	C	09:00	09:00 - 17:30	17:35	17:35 - 17:40	10%	5%	10%	120 s	R
PD	Equities - Penalty box - Fixing	SA	-	15:00	-	15:00 - 15:30	10%	-	-	-	-
PG	Shares - TCS	C	-	-	-	-	-	-	-	-	-
S1	Investment funds	DA	-	11:30 & 16:30	-	11:30 - 12:00 16:30 - 17:00	15%	-	-	-	-
R1	State bonds	C	09:00	09:00 - 17:30	17:35	17:35 - 17:40	1fpp	1fpp	5fpp	120 s	R /Ex
R2	Corporate bonds	DA	-	11:30 & 16:30	-	11:30 - 12:00 16:30 - 17:00	1fpp	-	-	-	-
R4	Bonds - Recovery Box - Fixing	DA	-	11:30 & 16:30	-	11:30 - 12:00 16:30 - 17:00	1fpp	-	-	-	-

R6	Bonds - Foreign currencies - Non guaranteed	DA	-	11:30 & 16:30	-	11:30 - 12:00 16:30 - 17:00	1fpp	-	-	-	-
R7	Corporate bonds FMT - minimum trade amount	C	09:00	09:00 - 17:30	17:35	17:35 - 17:40	1fpp	1fpp	5fpp	120 s	R /Ex
R8	BONDS - MIN TRADE AMOUNT - FOR CCY - CT - FMT	C	09:00	09:00 - 17:30	17:35	17:35 - 17:40	1fpp	1fpp	5fpp	120 s	R /Ex
R9	Bonds - Recovery Box - For Ccy - Fixing	DA	-	11:30 & 16:30	-	11:30 - 12:00 16:30 - 17:00	1fpp	-	-	-	-
V1	Convertible bonds	C	09:00	09:00 - 17:30	17:35	17:35 - 17:40	5%	5%	-	120 s	R
V2	Convertible bonds	DA	-	12:00 & 17:00	-	12:00 - 12:30 17:00 - 17:30	10%	-	-	-	-
8D	ETF PT NAV 1	C	09:05	09:05 - 17:30	17:35	-	1.5 % / 3 %	-	-	30 s	R
8E	ETF PT NAV 2	C	09:05	09:05 - 17:30	17:35	-	1.5 % / 3 %	-	-	30 s	R

Gr.	Type	Mode	OA	Trading	CA	TAL	R	AUTO
TA	Exotic certificates	C	09:05	09:05 - 17:30	-	-	Cf f)	30 s.
TC	Exotic certificates	C	09:05	09:05 - 17:30	-	-	Cf f)	30 s.
U1	Warrants	C	09:05	09:05 - 17:30	-	-	Cf f)	30 s.
U7	Structured Products %	DA	-	11:30 & 16:30	-	11:30 - 12:00 16:30 - 17:00	5%	-
UA	Exotic warrants	C	09:05	09:05 - 17:30	-	-	Cf f)	30 s.
R5	Commercial paper	-	Block trading	(07:00 - 19:00)	-	-	-	-

### Portugese non regulated markets

Marchés portugais non réglementés / Niet gereguleerde Portugese markten / Mercado não regulamentado Português

Gr.	Type	Mode	OA	Trading	CA	TAL	Col A	Col C	Static Col	Auto	Co / R
R3	Bonds - Easynext	DA	-	11:30 & 16:30	-	11:30 - 12:00 16:30 - 17:00	1fpp	-	-	-	-
P7	Equities - Easynext	DA	-	11:30 & 16:30	-	11:30 - 12:00 16:30 - 17:00	10%	-	-	-	-
EM	Equities - Alternext	SA	-	15:30	-	15:30 - 16:00	10%	-	-	-	-
EN	Equities - Alternext	C	09:00	09:00 - 17:30	17:35	17:35 - 17:40	10%	5%	10%	120 s	R



EO	Equities - Alternext - Private Placement	SA	-	15:30	-	15:30 - 16:00	10%	-	-	-	-
EP	Equities - Alternext - Private Placement	C	09:00	09:00 - 17:30	17:35	17:35 - 17:40	10%	5%	10%	120 s	R
EW	Equities - Alternext - Ancillary Shares - Continuous	C	09:00	09:00 - 17:30	17:35	17:35 - 17:40	10%	10%		120 s	R/EX