INTERNATIONAL SECURITIES SERVICES

Q1 2014

## Data Management for the Future

A Q&A with Alain Discart, Euroclear

Global LEIs - Driving Progress on the Global Standard Kristin Hochstein, Thomson Reuters and Deborah Culhane, Fidelity



# Knowledge is Power

ISS MAG SUMMIT 2013 Reports

Country Report: Turkey

- Data Management - Collateral Management - Developments in Messaging - Trade Life Cycle

## Turkish Derivatives Market on the verge of a new era:

As of March 3, 2014, Takasbank will launch CCP services to Borsa Istanbul Futures and Options Market.

Over 20 years of experience in providing central clearing, settlement and custody services in Turkish capital markets, Takasbank will provide CCP services for trades executed at Borsa Istanbul Futures and Options market as of March 3, 2014.

Beginning from September 2013, as the first phase of its CCP studies, Takasbank has been providing full CCP services to Takasbank Securities Lending Market and as the second phase, will become CCP for Borsa Istanbul derivatives market as of March 3, 2014.

Takasbank will also be CCP for equity and debt securities markets of Borsa Istanbul, after migration of Borsa Istanbul and Takasbank infrastructure to new platforms which will be developed by Nasdaq OMX Group within the framework of the strategic partnership agreement between Borsa Istanbul and Nasdaq OMX signed in January 2014.

In fully compliance with CPSS/IOSCO Principles, EU regulations and BASEL III requirements as well as with the major end-results of investor asset protection, settlement finality and CCP services, Takasbank is eager to extend its vision beyond its horizons in the newly developing global post-trade arena.

#### Takasbank's Major Business Lines

- Central clearing and settlement
- Asset transfer
- Collateral management
- > Issuer CSD for pension funds
- Depository services for funds
- > Local and global custody
- Cash credit
- Market operation (security lending, money market)
- > Operation of Turkey Fund Distribution Platform
- Trade repository services
- Numbering (ISINs, LEIs)

## Takasbank

Takasbank is taking vigorous steps towards the future and progressing towards its target of becoming Turkey's central counterparty.

#### Contac

Address: Takasbank-Istanbul Settlement & Custody Bank Inc.

Sisli Merkez Mah. Merkez Cad. No: 6 34381 Sisli-Istanbul-TURKIYE

Phone: + 90 212 315 25 25 Fax: + 90 212 315 25 26

E-Mail: international@takasbank.com.tr

www.takasbank.com.tr

## **EDITORIAL**

## Q1 2014

ISS Magazine:

Managing Editor Eddie Heaton eddie@iss-mag.com

Chief Operating Officer Farzana Hakim faz@iss-mag.com

Head of Strategy and Development Anthony Heaton anthony@iss-mag.com

Education and Training Nigel Sears nigel@iss-mag.com

Business Development Manager Nish Jamani nish@iss-mag.com

Editorial Assistant Kerry White kerry@iss-mag.com

Reporters: Dan Barnes Paul Golden

#### Contributors:

Alain Discart (Euroclear), Kristin
Hochstein (Thomson Reuters),
Deborah Culhane (Fidelity), Fiona
Hamilton (Volante), Joanne Gill
(BOA Meryll Lynch), Lars Ottersgard
(Nasdaq), Mark Davis (Avox), Bill
Meenaghan (Omgeo), Yakup Ergincan
(MKK), Murut Ulus (Takasbank)
Darryl Twiggs (Smartstream), Hugh
Cumberland (Colt), Josee-Lynda
Denis (ALFI)

Published by: Capital Markets Media Ltd. 31 - 35 Kirby Street London EC1N 8TE

The information published here represents the views of the individual authors and does not represent the views of ISS or any of the institutions contributing to ISS.

Welcome to the first print version ISS of 2014. If you are not already subscribed to our twice weekly email newsletter then go to www.iss-mag.com and sign up. It costs nothing to do so.

We kick off with a data feature and a Q and A with Alain Discart of Euroclear. Then Kristen Hochstein of Thomson Reuters and Deborah Culhane of Fidelity Investments discuss LEIs. Mark Davies, Head of Avox and Bill Meenaghan, Global Product Manager at Omgeo ALERT talk about the quality of data held and used by market participants and finally we include a transcript of the Data Management Session that was held at the ISS-MAG 2013 Summit at the end of last year featuring Emma Kalliomaki of London Stock Exchange Group, Chris Johnson of HSBC; Graeme Austin, CEO of ISITIC Europe, Adam Cottingham of Smartstream, Paul Taylor of Swift and Tim Fox of Avox.

We then have a fascinating insight into one of the world's most innovative organisations. **Johann Ruden**, president of Nasdaq OMX Clearing discusses the relationship between Clearing and Collateral, **Lars Ottersgard**, Senior Vice President, Head of Market Technology, talks about Nasdaq OMX's significant growth in the Post-trade Infrastructure and Services area and **John Jacobs** talks about plans to expand Nasdaq OMX's Global Index Business - which he runs.

**Joanne Gill**, Regional Head EMEA, Global Custody and Agency Services at BOAML tells us about the new requirements for all fund managers to appoint a depositary under AIFMD by July 22 2014. **Fiona Hamilton**, VP EMEA, Volante Technologies, reflects on the European implications of EMIR.

The ISS spotlight then falls on Turkey. We have an interview with both **Murat Ulus**, the CEO of Takasbank and **Yakup Ergincan**, CEO of Turkey's CSD, MKK. We then present a round table with a number of the Turkish markets service providers; **Ozgur Guneri**, the general manager of Finansinvest, **Necla Kucukcolak**, Head of International markets, Takasbank, **Pinar Sevsevil**, market specialist, Citi and **Ibrahim Yurtlu**, manager of securities services at HSBC all contribute and the overall impression we are given is of a modern, highly technical market infrastructure preparing itself for a surge in volume.

**Hugh Cumberland**, Solution Manager, Financial Services at Colt gives us the pros and cons on outsourcing, **Darryl Twiggs**, Head of Product Management at Smartstream talks about Trade Process Management and **Josee-Lynda Denis**, Chair of the ALFI TA and Distribution Forum gives us an overview of the Luxembourg Fund industry.

All the above articles and interviews will be distributed on our newsletter and links to them will be tweeted and sent to members of our Linkedin group. Join the debate online.

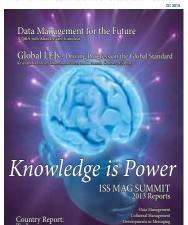
Eddie Heaton Managing Editor International Securities Services

## **CONTENTS**

# ISS MAG Q1 2014



3



Data Management for The Future

8

A Q&A with Alain Discart, Director, Central Data Utility Product Management at Euroclear.

**Global LEIs** 

10

Kristin Hochstein, Thomson Reuters and Deborah Culhane, Fidelity Investments look at driving progress on the Global Standard.

## A Report from the Data Management session at the ISS MAG Summit 2013





**European Implications of EMIR** 

14

Fiona Hamilton, VP EMEA, Volante Technologies, reflects on the European Implications of EMIR.

#### Choosing the right Depositary

17

Joanne Gill - Regional Head EMEA of Global Custody & Agency Services, BOAML, looks at AIFMD Best Practices, Risks and Opportunities.



It's Time For Growth

19

Lars Ottersgård, Johan Ruden and John Jacobs discuss how current and future regulatory developments are creating significant opportunities in post-trade infrastructure and services at Nasdaq OMX.

#### Data Quality - Who's Responsible?

21

Mark Davies, Head of Avox and Bill Meenaghan, Global Product Manager, Omgeo ALERT look at one component in the far-reaching efforts to redress the failings of the financial system post-crisis is the focus on data quality.



### Special Feature - Turkey

#### Turkish Delight

22

**INTERVIEW:** ISS Mag talks to Yakup Ergincan, CEO, MKK, about upcoming issues in Turkey.

### A New Era in Turkish Derivatives Market

**26** 

An interview with Takasbank CEO, Murut Ulus.



# Someday all your operational processes will work together.

## Someday is today.

The need for financial institutions to re-engineer their global operations has become very real. Only SmartStream offers a new industry standard for a cross-enterprise solution where middle and back-office processes share the same platform.

Talk to us today and discover this new approach for yourself.



## **CONTENTS**

TERVIEW: ISS Mag talks to some of the key players in Turkey's bid to become	
ding centre for financial services.	
ne Utility of Trade Processing	30
rryl Twiggs, Head of Product Management, SmartStream looks at how trade ocess management needs rapidly-processed, easily- distributed data; requiring a naiderable change for many financial services firms.	
nallenging the Status Quo to Overcome Outsourcing Obstacles	32
gh Cumberland, Solution Manager, Financial Services, Colt Enterprise Services.	
e Luxembourg Fund Industry – Looking Ahead In 2014	33
ée-Lynda Denis, Chair of the ALFI TA and Distribution Forum.	
·	



## A Summary Of The Collateral Management Session

34 at The ISS-MAG Summit 2013

ISS-MAG Summit 2013 - A Report from the Developments 36 in Messaging Panel

A Report from the Trade life Cycle Session at the ISS-MAG Summit 2013



**40** 

The 2014 ISS MAG Global Survey
The International Securities Services Q4 2013 Global Directory and Survey of Service Providers and Technology Vendors.





30





Scan me!

# Transformation is our business

- Transformation and validation of financial messages to any format, and vice versa
- Comprehensive support for SWIFT, ISO 20022, FIX, FpML, CCP, SDR, T2S and other international and domestic standards
- Accelerated development of real-time securities, derivatives and payment solutions
- More than a decade of experience serving banking, capital markets and treasuries

## Accelerate your financial business transformation with Volante data integration technology

Learn how many of the world's foremost financial services organizations have transformed their operations with Volante technology. Write to us at info@volantetech.com, visit our website www.volantetech.com

## **Data Management For The Future**

A Q&A With Alain Discart, Director, Central Data Utility Product Management at Euroclear



#### Legislation is changing the risk management landscape. How is this affecting data management? What is the new legislation trying to achieve?

The ultimate objectives of the regulatory changes include strengthening the capital base of banks as well as the overall resilience of the financial system. Increased reporting requirements, OTC trade repositories and unambiguous and uniform entity identification are all part of the legislative drive to achieve those objectives.

From a data management perspective, the issue is that many firms still carry a costly, convoluted and fragmented pre-crisis infrastructure that is ill-equipped to cope with the additional reporting that will be necessary to adhere to EMIR, Basel III and AIFMD, for example. To quote the Financial Stability Board: "good data and good analysis are the lifeblood of effective surveillance."

processes around it. In order to improve data management efficiency and cut costs firms can also look at reducing their operational burden by mutualising the task of sourcing and cleansing data.

## Large banks often use multiple data feeds - what problems can this create?

Typically, banks run large and costly data infrastructures. Pre-crisis, conventional wisdom to improving the quality of reference data was to add extra databases and data feeds. Many firms continue this process even today. Their instinctive reaction is to provide every project and every department with its own segregated pool of reference data.

Unfortunately, this type of approach requires considerable investment in the appropriate technology to monitor a firm's investment into the acquisition and maintenance of reference data. Moreover, different data

that lacks the agility to react and cope with future requirements.

## Why have SmartStream and Euroclear teamed up?

SmartStream and Euroclear have teamed up because the skills and assets that they bring to the table are complementary to each other. Euroclear brings international reach, operational and post-trade expertise and an established network of issuers. SmartStream brings purpose-built technology, relevant research skills, and the required infrastructure to import, cleanse, package and deliver data from multiple sources, including data vendors and data aggregators.

The fruit of this partnership, the Central Data Utility (CDU) is a unique data management service that streamlines data supply, improves data quality and significantly reduces data management costs (made up of the software license cost, data vendor feeds and trade break reconciliation costs).

## What is 'quality' data and is there a misconception concerning its definition?

The definition of 'quality' is opaque in data management domains because the word's precise definition depends on where the data user sits in the trade lifecycle. Pretrade, settlement, risk management and finance typically have different trade-offs between speed and accuracy of information and usually also require different sets of information on instruments and counterparties.

Quality is one of the factors we track via the Key Performance Indicators (KPIs) that are part of the CDU service offering. We take a pragmatic approach in that we measure the proportion of erroneous data fields that are delivered to a client and compare it to a benchmark. If the proportion exceeds this established threshold then the client receives credits. We operate a similar process for the delivery time KPI. Deviations from agreed delivery times can also result in service credits.

# The definition of 'quality' is opaque in data management domains because the word's precise definition depends on where the data user sits in the trade lifecycle.

Despite considerable effort to bring about change, the quality of unrefined data used by firms often remains sub-optimal. The sourcing and processing of reference data remains a fragmented process, meaning that the data lineage and audit trails are not always easy to follow or demonstrate to regulators. Indeed, firms tend to source, process and cleanse data on instruments, entities and corporate actions independently from one another and often multiple times and in slightly different ways per business unit or product line. This data should, theoretically, be unequivocal, so from a regulatory perspective this is clearly not the way forward.

Arguably, one of the most effective ways to meet the objectives of the new legislation while keeping costs down is to improve overall data quality and standardise the feeds need to be mapped and reconciled across different departments. Effectively, this complicates the process by adding cost and obscuring the level of transparency and uniformity. Despite the inefficiencies associated with this process, this traditional bespoke approach to data management is still common.

Some firms address the complexities and inefficiencies of the reference data world by making it somebody else's problem – the 'your mess for less' approach to data management, i.e. outsourcing.

The risk involved with outsourcing is that it tends to focus almost exclusively on the current state of the firms requirements. And, it can also mean that a firm finds itself in a long-term relationship with a service provider

# DELIVERING CAPITAL EFFICIENCY TO THE WORLD'S MARKETS

NASDAQ OMX's clearing, settlement, pre- and post-trade risk management and CSD solutions are proven in production at the world's clearinghouses, central counterparties and CSDs.

- Robust, real-time risk management with high capacity multi-asset clearing
- Superior collateral management and portfolio margining capabilities
- Full support for OTC clearing
- Supported by NASDAQ OMX, the world's leading provider of technology solutions to the exchange industry

Helping clearinghouses, central counterparties and CSDs navigate the constantly changing post-trade landscape.



FOR MORE INFORMATION: WWW.NASDAQOMX.COM/POSTTRADESOLUTIONS | GTSMARKETING@NASDAQOMX.COM

# Global LEI – Driving Progress on the Global Standard

Kristin Hochstein, Thomson Reuters Deborah Culhane, Fidelity Investments

#### A Brief History of LEI Initiative

The development of a global standard for the identification of counterparties to financial transactions has been widely discussed by the industry for many years. Then, in 2008, the financial crisis created the necessary impetus for a significant collaboration of both industry participants and their regulatory counterparts to address the lack of a critical global entity identification standard to support the financial markets. This global standard was considered by regulators as a critical way to advance a key mandate under Dodd Frank: the establishment of a unique, globally-recognized and persistent identifier for all financial instruments and counterparties to financial transactions to aid in the identification of systemic financial risk. From the financial industry perspective, the benefits of this global standard were seen as both an opportunity to advance progress in the development of more comprehensive internal risk monitoring programs, as well as to provide a widely recognized global standard identifier which could support a number of internal technologies and data management strategies focused on improving operational efficiencies and controls.

In early 2011, with the backing of the G20, discussions with U.S. industry participants and regulators advanced to a broad-based global effort supported by a number of global financial firms, trade associations, regulators and other global standards experts. Some three years later, we now see the evidence of one of the most significant achievements in the advancement of global financial standards with the adoption of the Legal Entity Identifier (LEI) and nearly 190,000 registered entities representing institutions across more than 143 countries.

#### **Global Initiatives Taking Hold**

January of this year marked a key milestone in establishing the long-term governance, oversight and development of the LEI with the creation of the Global LEI Board of Directors. Up until this time, the Regulatory Oversight Committee (ROC), which



Some of the first LOUs who will transition to Board oversight include DTCC/SWIFT, WM Daten, Insee, LSE, Irish Exchange, LEE and TakasBank.

comprises a coalition of international regulators, had provided interim control and supervision for LEI guidance and implementation. With the transition of responsibility from the ROC to the private sector Global LEI Board of Directors, this board will now provide broad governance and oversight to the continued development of the LEI. One of the first responsibilities of this Board will be to ensure that the Local Operating Units (LOUs), who will support the registration, information validation and issuance of LEIs, are following consistent policies and practices to support a seamless global process with full interoperability between LOUs. Importantly, this requirement will ensure a structure is in place to make available complete and timely consolidated records for all globally



issued LEIs. Some of the first LOUs who will transition to Board oversight include DTCC/SWIFT, WM Daten, Insee, LSE, Irish Exchange, LEE and TakasBank. These LOUs have been assigned an operating designation and pre-fix and will comply with the outlined initial principles and practices as well as with ISO 17422, the standard that specifies the LEI code and its supporting attributes. All LOUs will continue to work with the new board to ensure they will execute basic validation processes, meet interoperability requirements and follow specific standards of information certification.

## LEI Global Governance and the Global LEI Foundation

With the pending Board of Directors in place, major initiatives will continue to progress under the guidance of the new board. Some of those initiatives include governance, long-term funding and day-today support of the foundation behind the LEI. Funding in particular will be critical to the long-term stability of the Global LEI initiative. This transition of oversight to the Board will represent a significant step forward in establishing a broader and consistent direction for ongoing implementation and backing of this critical new market standard. Ensuring consistency and standards, maintaining seamless collaboration amongst key players and

enabling global acceptance and growth in adoption will be top priorities for this Board.

#### **LEI Adoption and Industry Impact**

The goal of the LEI system remains unchanged as the first official, globallyrecognized, unambiguous and persistent identifier of institutional entities active in the global financial markets. Initial adoption has been mandated through regulatory requirements both in the U.S. (CFTC) and in Europe (EMIR), requiring similar reporting of swap transactions. Expansion to other jurisdictions will continue, with plans announced for Monetary Authority of Singapore, Australian Monetary Authority, Canadian Regulatory Authorities and Hong Kong Regulators. Additionally, preliminary discussions are underway which could require expansive reporting of major asset classes and activity for quarterly and annual holdings in certain regulated markets.

The LEI has long-term benefits for the financial industry, not only for risk analysis but also other operational efficiency efforts, including straight-through processing. In the short term, however, the compelling call to action will continue to be driven by regulatory mandates, making it unlikely that the industry will drive substantial adoption.

With great anticipation and high hopes, the industry continues to expand efforts around Global LEI adoption. Institutional customers



engaging in swaps activity already have seen the effects on customer information and client on-boarding systems. However, while there is a level of awareness by those directly involved in swaps trading, the broader financial services industry must continue to evaluate long-term deployment. Ultimately, firms will need to expand to integrate the Global LEI and associated entity data attributes, and as regulatory mandates continue, so will adoption of the global initiative.



## A Report from the **Data Management Session** at the ISS MAG Summit 2013



#### **Panelists:**

Emma Kalliomaki, head of SEDOL Masterfile, London Stock Exchanged Group

Chris Johnson, head of product management market data services, **HSBC** 

Graeme Austin, CEO, ISITIC Europe

Adam Cottingham, vice president data management Smartstream

Paul Taylor, direct global matching Swift

Tim Fox, product manager, Avox

The Legal Entity Identifier (LEI) initiative is the latest effort to create a standard reference data system for the financial services industry. The data management session of the ISS Magazine Annual Post-trade Technology Summit explored some of the reasons why this process has taken so long.

LEI uniquely identifies every legal entity or structure, in any jurisdiction, that is party to a financial transaction by assigning it a 20-digit, alphanumeric reference code.

According to Emma Kalliomaki, head of SEDOL masterfile London Stock Exchange Group, reasons why previous initiatives failed include use of proprietary codes, large volumes of mapping exercises, cost and the absence of regulatory mandate forcing implementation.

For the industry to gain maximum value from being allocated an LEI it needs to use it in its risk management across all asset classes.

**Graeme Austin** 

Chris Johnson, head of product management market data services HSBC Securities Services observes that LEI itself has been under discussion for about 15 years. "The problem is that it is really hard to set standards. The challenge is getting a consistent thread of really important data that each firm does the same way."

Almost every other industry on the planet has managed to standardise itself through self-organisation, but financial services has failed to do so because of vested interests and the amount of money made out of lock-in and proprietary "so-called" standards. That is the view of Graeme Austin, CEO ISITC

"There are only five active LOUs, there should be sixteen. Being able to walk through from an instrument ID to get an LEI is a challenge based on the fact that data management platforms have been implemented for taking data into firms, not providing integrity across the data or cross referencing IDs. So there is still a lot of work to do and most of that work will be on the integration side."

One of the reasons for slow progress towards the standard, according to Paul Taylor, director global matching Swift is that the cost of not having an LEI was compensated by sub-optimal legacy solutions, so that cost was not clearly visible.

*It is always easier to look back on something that has* started and say 'That could have been done better and if we could rewrite it we might do it differently.

Tim Fox

Europe, who is critical of both banks and data vendors.

"I think the discussion about what is proprietary and what can be standardised is important," says Adam Cottingham, vice president data management SmartStream, who is concerned that the LEI is limited by the structure of the local operating units (LOUs) which will serve end users in local jurisdictions to register legal entities and assign identifiers.



"It only becomes visible when risk is there and that risk came out in 2008. At that moment efforts and energies focused and we have seen much progress - 100,000 LEIs have been issued in about a year and adoption is increasing rapidly."

The discussion then moved on to whether OTC derivatives were the most appropriate asset class to start with.

Avox product manager **Tim Fox** believes they are. "Adopted globally, the LEI will facilitate transparency around counterparty identification. - By its nature, OTC trading is less transparent than on-exchange trading, so it makes sense to start with OTC derivatives, particularly given the value of these transactions."

Kalliomaki agrees, "I know ESMA listed an appeal against the inclusion of exchange traded derivatives, but under Emir it looks like it will be both OTC and exchange traded, so I think really it is trying to put the umbrella over derivatives in its entirety. I think they are both as important as each other with regards to visibility and transparency, especially from a measuring and monitoring perspective."

When you are performing risk reporting, having extra, universally recognisable codes to identify that systemic risk has to be the right approach after what happened in 2008, observes **Johnson**. "So many of the new regulations are derivative-oriented and what that does is integrate the OTC asset class with all the non-traditional ones, which has to be a good thing. In terms of implementation, another good reason for starting with derivatives is that the systems tend to be newer and could absorb the field lengths, whereas if you were to try to do that with other asset classes it might take a few years to change the systems."



There are only five active LOUs, there should be sixteen... there is still a lot of work to do and most of that work will be on the integration side.

**Adam Cottingham** 

Austin's assessment of whether OTC derivatives were the best starting point was stark. "It doesn't matter what the industry thinks is the right asset class to start with what we have got to remember is that the regulators have decided OTC is what they are concerned about and if they are concerned about it then we need to be. However, it shouldn't be the finishing point. For the industry to gain maximum value from being allocated an LEI it needs to use it in its risk management across all asset classes."

When asked whether an ongoing, extra layer of systemic risk might be added from the extra message mapping back to the codes for

legal identifiers within each system, **Johnson's** advice was not to use LEI as the primary key.

"Have it in your system as something you add as soon as it's available, but given than the LEIs may not be available until the next day, don't stop trading while you are waiting for an LEI or have a dummy LEI while you are waiting. It is crucial not to depend on external data for your internal process."

The smaller the firm the more likely they are to take a less sophisticated approach to addressing using LEI, says **Austin**. "They will find the route which involves the least effort on their part to obtain the LEI in their name and the ability to trade report the counterparty LEI through their systems and out to the trade repositories."

**Fox** cannot see banks' internal proprietary schemes disappearing any time soon. "Banks have relationships with a variety of entities, some of which will not be covered by the LEI, for example branches. Therefore banks

and foremost there are the principles that have been mandated from the LEI Regulatory Oversight Committee. There are still issues to do with standardisation around certain data attributes, but I think this is one of the first standards where there has been true collaboration between regulators, the private sector and the operational practitioners. We are still waiting for the Global LEI Foundation to be put into place, but I do think things have been moving quite positively."

Austin believes the Regulatory Oversight Committee has done an excellent job in engaging stakeholders, but expresses concern about the efficiency of the system when LOUs are being on-boarded to handle LEI based reporting in asset classes that perhaps don't even exist now and whether those LOUs will be allowed to be less consistent. "I don't want that to be the case since we should be able as an industry to efficiently run an ID system," he says.

There are still issues to do with standardisation around certain data attributes, but I think this is one of the first standards where there has been true collaboration between regulators, the private sector and the operational practitioners.

Emma Kalliomaki

will need to maintain alternative proprietary schemes."

Being able to integrate with internal, disparate data sets and being able to give completeness across data sets requires a degree of matching and confidence in the matching that is acquired because absolute matching creates more matching breaks and more work, warns **Cottingham.** 

The benefit of the LEI is that you have one foundation element on which you can start to cross-reference all the others, notes **Taylor**. "So instead of doing multi-to-multi you can do one-to-many and that will already start reducing the cost. Data vendors and service providers are also starting to provide mapping tables. As people start to adopt the LEI as this foundational element it will become one of the primary keys in the systems as they are replaced over time. That is when even more of the benefits will be visible."

"Consider Rating Agencies, which are fundamental in the identification of issuers", adds Fox. "They all use their own Entity ID schemes, which data consumers have to map to their internal records. If the Rating Agencies were to adopt the LEI, this would represent a leap forward for this initiative. "

Consistency among LOUs will be achieved in a number of ways, explains **Kalliomaki**. "First

"It is always easier to look back on something that has started and say 'That could have been done better and if we could rewrite it we might do it differently," says **Fox** in response to the question of whether Europe could benefit from the experiences of the US.

"European based regulators who are looking to implement LEI can benefit from the experience of others, as well as the subsequent changes to LEI data sets and the way the code is allocated. It took the Commodity Futures Trading Commission (CFTC) to get the ball rolling, a starting point from which the global initiative is now benefiting. This has got to be a good thing."

Austin describes the idea of having more than one place to get an LEI as a fundamental change from the original CFTC project. "The one thing that we in Europe haven't needed to learn and one thing that I hope the US does eventually take on board is that going out on its own to begin with and not being part of an international community is not the way to play in this modern world," he concludes.

## Fiona Hamilton, VP EMEA, Volante Technologies, reflects on the European implications of EMIR



European Market and
Infrastructure Regulation (EMIR),
which takes full effect this year,
requires both counterparties to a
derivative securities transaction
to report the details of a covered
trade to one of the six trade
repositories recognised by the
European Securities and Markets
Association (ESMA). Dual
reporting responsibility has led to
industry concerns that data will
be fragmented and duplicated.

## Impact of messaging on EMIR Trade Repository Reporting

Trade repositories are shaping up to be one of the lasting legacies of the global financial crisis.

Pre-crisis, regulators would only intervene with a large trade involving derivative securities in the event of the failure of one of the counterparties. Now, following the clean-up to the financial crisis along with subsequent high-profile hedging failures, regulators are demanding daily information about derivative trades, starting from clearing and settlement and continuing through to expiration of the underlying contracts. Regulators intend to use aggregated data contained within the market's new trade repositories to make sense of the global marketplace and to head off problems before they occur, or at the very least, to perform better post-mortems.

The value that trade repositories regulators receive depends on full participation from financial institutions and non-financial companies trading with European Union counterparties. Because of this, regulators will be insistent on demands for compliance. Furthermore, over time, we can expect data requirements to increase for a wider range of firms across a broader class of financial instruments.

## The global reach of trade repositories

In addition to the responsibility being on the part of both counterparties, EMIR also obligates counterparties, to post collateral and margin for the underlying positions and contribute to the default fund of their central counterparty (CCP) clearing firm.

The post-crisis regulatory push also affects firms in industries upstream to the trade. In the wholesale energy markets, traders in the European Union are now subject to regulation on Wholesale Energy Market Integrity and Transparency (REMIT) requirements. Participants in the energy markets will have to disclose a wide range of "inside information" to regulators, including the details of financial contracts related to power, gas and commodities. For energy producers, distributors and traders, the disclosure requirements of REMIT compound the compliance challenge of EMIR throughout the trading lifecycle.

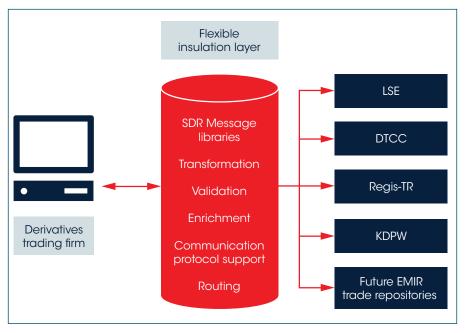
The push toward trade repositories is a global phenomenon. The Dodd-Frank Act in the U.S. requires data reporting for over-the-counter (OTC) swaps across asset classes including interest rates, credit default

instruments, equities, commodities and foreign exchange instruments. Similarly, other countries across Asia-Pacific and EMEA are introducing national trade repositories, with global standards emerging slowly, at best. In the emerging environment, counterparties doing business cross-border will have to comply with the requirements of many jurisdictions.

The net result of the regulatory push is that a wide range of corporate entities, trading firms and broker-dealers must build and manage the capability to report to any number of trade repositories across multiple regions. Beyond simply meeting the requirement, firms will be challenged to achieve efficiency in terms of operating costs and effectiveness of data accuracy. Furthermore, firms have to be flexible in order to accommodate pending regulatory decisions and clarifications about applicability in certain situations, along with other changes likely to arrive in the near future.

## Implications for messaging and data integration

As time moves on, it is expected that the expanded scope and usage of CCPs will reduce the complexity of the overall



messaging requirements for trading firms. Rather than maintaining a large number of point-to-point connections for OTC derivatives or handle multiple standards from various exchanges, firms will only need to meet the data integration standards of the CCPs. In other words, once everything is cleared through a CCP, meeting the CCP's data standard will ease.

Arriving at that virtuous state however, currently represents a significant effort for the typical capital markets firm. Even if a firm does all of its trading through a single CCP – which is typically not the case – there are still numerous challenges involved with instituting new processes, aggregating trade data, looking up legal entity identifiers, generating unique identifiers for trades and instruments and sharing data across institutional silos, with customers, brokers and clearing members.

Non-financial companies face similar pressure as trading firms reshape their processes and messages to comply with the regulatory demand for trade repository data. The reporting requirement applies to all firms entering into derivative contracts, even those with volumes below the clearing threshold for central clearing. While it's possible – and likely – that non-financial firms will opt to have their brokers send reports to the trade repository on their behalf, the fact remains that corporate entities will be responsible for

Unique Product Identifiers (UPI) consists of identifiers from the International Swaps and Derivatives Association (ISDA), ISIN (International Securities Identification Number) and other taxonomies. As financial instruments become more complex and bespoke, the ability to find an exact match within the standard taxonomies may become more challenging. Considering the regulators desire to capture comprehensive information about market exposures, further development and standards in this area, should be anticipated.

**Unique Trade Identifiers (UTI)** are issued by trading venues in the case of exchange-traded derivatives, or, are generated either by one of the counterparties to an OTC transaction or by a designated third party.

#### Connecting to multiple repositories

The market will need to support multiple trade repositories based on the preferences and characteristics of market participants. Some organizations will tend toward the low-cost provider, while others will make choices based on existing business relationships, geographical preferences, or market specialisation in given asset classes.

Yet, even if a trading firm has a preferred clearing venue with a preferred trade repository, global trading calls for connections to multiple repositories around the world, in line with the diversity of

and submit its own reports, from an efficiency standpoint, it makes more sense to centralise the function at the firm level.

## Aggregating trades across an organization

For a large financial institution or indeed non-financial firm, trading activities involving derivative securities may span multiple functional areas, business units and geographies. Other complexities are introduced when a single underlying transaction involves multiple components involving derivatives. An example is when a commodities purchase is hedged by interest rate swaps, foreign exchange swaps and commodities futures, forwards and options. Different traders are likely to handle different aspects of trades for different parts of the business.

However, for the purposes of trade reporting and EMIR compliance, the trading activity of a firm should be managed through central resources. That's the best way to ensure that all of the components of a trade are coded and reported using a consistent set of identifiers.

### Maintaining connectivity with customers and clearing members

In order to monitor liquidity and rollover risk, regulators want to maintain information about exposures throughout the lifespan of the derivative contracts stored in the trade repositories. This means that counterparties, their beneficiaries and financial intermediaries, have to stay connected not just at the outset of a contract, but until its expiration. Indeed, the broker-dealer that executes the initial trade may not be the same broker-dealer that closes out the trade, and so broker-dealers must maintain the capability to transfer client information to another broker.

Some trading scenarios are relatively simple, such as when two clearing members of a qualifying CCP enter into a trade. At the other end of the complexity scale, a counterparty representing multiple levels of beneficiary owners may enter into an indirect arrangement with the client of a clearing member. No matter the level of complexity of the underlying transaction, the trade repository must act as an accurate storehouse of up-to-date information. Considering that counterparties are responsible for maintaining margin and collateral, and have to contribute to the CCP's default fund, it is in everyone's interest to keep the required information accurate and current.

#### A single-source solution

The extensive data and messaging requirements involved with trade repository reporting make it likely that many counterparties will seek to push the responsibility to a third party, whether to the

# For the purposes of trade reporting and EMIR compliance, the trading activity of a firm should be managed through central resources.

providing key data elements for those reports. Furthermore, that information will have to be provided quickly, no later than one working day following the relevant event for EMIR, and on a same-day basis for Dodd-Frank compliance.

Multiple issues will need to be addressed in messaging and data integration. These include:

#### Generating unique identifiers

The data standards for trade repository reporting rely upon several unique identifiers.

Legal Entity Identifiers (LEI) are required for counterparties as well as broker; the reporting entity, the clearing member, the beneficiary not forgetting, the CCP involved with the trade. The financial services industry has established LEI authorities to maintain information about market participants, accessible through industry utilities that provide the relevant data to be incorporated into trade repository messages.

counterparties in a global market. Even when trade repositories request the same data elements, there will be differences in connectivity methods, different versions and variants of common standards, proprietary implementations in support of value-added services, or other such differences in how data is to be coded.

#### Monitoring the clearing threshold

The clearing threshold is the point at which a trading firm is obligated to use central clearing. Firms approaching the clearing threshold (EUR 1 billion and upwards, depending on the type of derivatives being cleared), have to monitor the extent of the notional value of their outstanding derivative contracts at any given time to determine whether central clearing is required or not.

Regardless of whether a firm hits the clearing threshold, trading entities still have to report trades to a trade repository. While it's possible for each individual trading entity to create other counterparty, a financial intermediary or a reporting utility. There are two main problems with this approach: first, the responsibility for accuracy still rests with the original counterparty; and second, it may not always be possible to slough-off the responsibility for reporting a given trade depending on the complexity of the underlying financial instruments.

The stopgap solution is to meet the reporting requirements using spreadsheets and other manual processes. However, spreadsheets scale poorly and are subject to errors in reconciliation. Furthermore, the stopgap approach limits the ability of a firm to take an enterprise-wide approach to compliance with trade repository reporting.

A smarter, long-term approach is to establish a reusable, easy-to-manage software solution to manage the various data flows between counterparties, clients, beneficiaries, CCPs and trade repositories. The goal should be to develop a standards-driven, enterprise approach to financial messaging, in order to issue reports to the relevant counterparties and trade repositories quickly and accurately, getting it right the first time.

Each of the processes outlined previously – generating unique identifiers, connecting to multiple repositories, monitoring the clearing threshold and aggregating trades – will require an enterprise approach to message

integration as an essential part of trade reporting.

Considering the nascent stage of the regulation, the continued evolution of data standards and the expected transformation of post-trade business processes, it is essential to build the capacity to respond to change from the outset. As new business requirements emerge, they should be accommodated rapidly within the framework of existing solutions, with assurance to traders and clients that trade repository reporting will be maintained consistently throughout all trading desks and business units of a firm.

The way forward starts by identifying the entities within your organization where trades are generated, as well as the individual trading desks within those entities. Instead of taking a separate approach for each trading desk and treasury system, deploy a set of enterprise resources to manage the specific business processes involved with every combination of financial instrument, counterparty and trading intermediary.

One of the most challenging aspects of this exercise will be to accommodate multiple versions of middleware, services, cloudbased architectures, application servers and databases used by individual trading desks. Trading operations may have been established at different times, for different purposes, and at different stages of adoption of modern IT

approaches. Accordingly, a comprehensive solution for trade reporting has to be capable of communicating with the entire range of solutions used within your enterprise, whether the data source is a legacy mainframe or a cloud-based service.

Aside from the technology considerations, trading firms need to build the organizational capability to respond to periodic updates to standards as well as unexpected changes in the global market. Each year, industry standards in financial messaging evolve to take account of new financial instruments, data requirements and regulatory mandates.

In addition, inter-industry relationships are undergoing major changes, both in terms of customers' global footprints and in the fast-changing relationships that trading firms have with trading venues, CCPs and custodians. Firms that handle trade data effectively throughout the organization are in a stronger position to react to these strategic changes, positioning themselves for whatever unknowns the future may hold.

A single-source, enterprise-scoped approach to the supporting technology can enable firms to achieve painless compliance with the complexities of trade repository reporting, with improved reconciliation for operations, higher assurance to end-users and stronger risk management practices for corporate treasury.



# Choosing the Right Depositary AIFMD Best Practices, Risks and Opportunities

Joanne Gill Regional Head EMEA Regional Manager – Global Custody & Agency Services for Bank Of America Meryll Lynch



Alternative Investment Fund Managers who seek to raise capital in Europe face a ticking clock. The EU Alternative Investment Fund Managers Directive (AIFMD¹) will require them to appoint a depositary to oversee the custody of all fund assets by July 22, 2014. Those who act ahead of this fast-approaching deadline can achieve a variety of benefits, from more efficient implementation to a competitive edge.

#### Regulatory milestone

The Alternative Investment Fund Managers Directive is expected to have further impact on the European investment management industry which has already been impacted by UCITS and MIFID. For the first time, alternative investment funds (AIFs) will require the services of a depositary.

Essentially a custodian with expanded responsibilities, a depositary will provide cash-flow monitoring, safe custody and oversight services for the AIF. Liability is typically limited, and in some cases, transferred to a third-party. This will change with AIFMD.

depositary or appointed custodian loses a financial asset, the depositary must provide an identical replacement or an equivalent monetary amount.

This new rule on depositary liability is part of the AIFMD's broad objective to harmonize regulatory standards among AIFs, level the regulatory playing field in the EU, and improve the stability of the global financial system. Selecting an appropriate depositary will be one of the most important decisions facing fund managers as they work toward AIFMD compliance.

## A depositary is a custodian with enhanced responsibilities

AIFMD requires fund managers to appoint a depositary to ensure that assets are safe, cash is carefully monitored and fund operations are executed correctly. According to the Directive, a depositary, for example:

- Must be established in the same EU member state as the EU AIF
- May be a credit institution established in another EU member state, but only until July 22, 2017
- May be a prime broker if it has functionally and hierarchically separated its depositary functions
- Cannot be an AIFM acting as a depositary of its own funds

as "full depositary." Authorized EU AIFMs of EU-based AIFs will be required to appoint a single depositary in the home Member State of the EU AIF.

Although the scope of this Directive is aimed, primarily at AIFMs who have their registered office within a EU Member State, its scope has global implications as it also includes AIFMs whose registered office is in a third country. AIFs include, for example, hedge funds, funds of hedge funds, venture capital, private equity and real estate funds.

#### Depositary lite

EU-AIFMs of non-EU-based AIFs face the same July 22, 2014 deadline, but may opt to pursue a "depositary lite" option. As the name suggests, depositary lite is a scaled-down version of the full depositary requirement. It permits non-EU AIFs to use a network of third-party providers for custodial responsibilities until 2018, when all AIFMs must meet AIFMD full depositary requirements. The critical distinction prior to 2018 is that depositary lite does not require full liability of assets.

# Monitoring of cash flow Safe custody Oversight

#### Main duties of the depositary

With full liability, the depositary takes on the credit risk of its counterparty, which enhances investor protection, but has the potential to raise fees. The phased approach of depositary lite offers AIFs the temporary advantage of moderating resource costs and operational disruptions associated with implementation.

However, AIFMs may want to weigh the short-run cost savings of applying the depositary lite requirements versus the need to implement the full depositary requirements (as defined in the EU AIFMD) in 2018. Some third-party providers offering depositary lite services may not have the

Selecting an appropriate depositary will be one of the most important strategic decisions facing fund managers as they work toward AIFMD compliance.

#### Full liability requirements

AIFMD redefines the relationship between AIFs and their custodians. Working as an independent provider, the depositary will assume full liability of assets in each fund under management. In the event that the

#### Full depositary

By July 22, 2014, EU managers of EU-based AIFs will be required to appoint a single depositary that will be liable for any loss of assets. This strict liability requirement complies with Article 21 of AIFMD, known

regulatory authorizations to fulfil the full depositary obligation before the next deadline arrives in 2018. A service provider or depositary with the scale to deliver a full depositary solution may result in the most operationally efficient and cost-effective option in the long run, depending on the complexity of the AIFs structure, existing service provider relationships and resources.

AIF structures, strategies and operations. Regulatory compliance may be more complex for certain fund types and may require alternative strategies.

While working with one bank for both prime brokerage and custody services offers significant advantages, clients may be happy with their existing arrangements

An existing prime broker relationship, combined with custodial services, creates a platform for implementing AIFMD and streamlining the procedures required to monitor AIF activity.

#### Prime brokerage solution

AIFMD allows a financial institution to act as a prime broker and depositary for the same AIF if the prime broker and depositary functions are functionally and hierarchically separated. The Directive also requires any conflicts of interest to be fully managed and disclosed. After meeting these regulatory requirements, and the broader requirements of the AIFMD, an in-house prime brokerage can deliver a quick-to-market compliant solution.

Winners in this regulatory race can outpace their peers with an integrated response that takes the pain out of compliance and streamlines their operations.

An existing prime broker relationship, combined with custodial services, creates a platform for implementing AIFMD and streamlining the procedures required to monitor AIF activity. A "custodian prime broker" also eliminates the need for an asset exchange when switching from a prime brokerage account into a legally segregated custody account. And with dual securities processing and custody services, the in-house prime broker fulfills its traditional role of helping fund managers achieve their investment objectives, manage risk and maximize fund efficiency.

#### Alternative best practices

AIFMD has a broad regulatory purview that will impose significant changes on

and unwilling – especially given a potential deadline of July 2014 – to change them in the short term. An off-the-shelf custody arrangement offers a best-practice alternative. Facilitated through a bank, this arrangement includes pre-drafted sub-custody agreements for brokers or third-party administrators.

Depositary lite may offer a short-term solution for certain EU authorised AIFMS of non-EU AIFs. However, it may also pose a challenge for custodians to meet the AIFMD requirement of monitoring cash across the market. Fund managers pursuing this strategy should ensure that their selected custodian offers a cross-migrating solution between its client groups. AIFMD compliance requires that the custodian or prime broker provide appropriate global securities and cash settlement, reporting and monitoring capabilities.

#### Risks and opportunities

It's important for fund managers to understand that AIFMD requires a depositary to be in place before their organizations can be authorized under the Directive. Fund managers who delay may face a provider bottleneck. An influx of new clients could potentially force these depositaries to stop accepting new AIFs in early 2014 as a way to mitigate risk.

AIFMs who plan ahead will be better positioned to make the most of AIFMD. Winners in this regulatory race can outpace their peers with an integrated response that takes the pain out of compliance and streamlines their operations, while gaining an edge in managing client expectations, deepening relationships and attracting new investors.

1 - Directive 2011/61/EU of the European Parliament and of the Council of 8 June 2011 on Alternative Investment Fund Managers and amending Directives 2003/41/EC and 2009/65/EC and Regulations (EC) No 1060/2009 and (EU) No 1095/2010

Bank of America Merrill Lynch (including Global Custody and Agency Services) does not render any opinion or provide advice regarding legal, compliance, accounting, regulatory, tax or investment matters and it is your responsibility to seek such legal, compliance, accounting, regulatory, tax or investment advice as you deem necessary. The information in this article does not constitute investment advice or an offer to invest or to provide management services or any other services. "Bank of America Merrill Lynch" is the marketing name for the global banking and global markets businesses of Bank of America Corporation. Lending, derivatives, and other commercial banking activities are performed globally by banking affiliates of Bank of America Corporation, including Bank of America, N.A., member FDIC. Securities, strategic advisory, and other investment banking activities are performed globally by investment banking affiliates of Bank of America Corporation ("Investment Banking Affiliates"), including, in the United States, Merrill Lynch, Pierce, Fenner & Smith Incorporated and Merrill Lynch Professional Clearing Corp., all of which are registered broker dealers and members of FINRA and SIPC, and, in other jurisdictions, by locally registered entities. Merrill Lynch, Pierce, Fenner & Smith Incorporated and Merrill Lynch Professional Clearing Corp. are registered as futures commission merchants with the CFTC and are members of the NFA. Investment products offered by Investment Banking Affiliates: Are Not FDIC Insured • May Lose Value • Are Not Bank Guaranteed. ©2014 Bank of America Corporation.



### It's Time For Growth

Lars Ottersgard, Senior Vice President, Head of Market Technology, Nasdaq OMX



*Current and future regulatory* developments are creating significant opportunities in posttrade infrastructure and services at Nasdaq OMX.

Nasdaq OMX provides trading, exchange technology, information and public company services across six continents to more than 10,000 customers including public and private entities, exchanges, regulators and broker-dealers. The creator of the world's first electronic stock market, its technology powers more than 80 marketplaces in 50 countries and approximately 1 in 10 of the world's securities transactions.

Lars Ottersgård, senior vice president, head of market technology says the company is seeing significant interest and growth in the post-trade infrastructure and services area - including clearing, CSD solutions and of course risk management - driven by changes in regulations such as CSDR, EMIR and T2S.

"This is evident across all asset classes and all regions. Mature regions like the US and Europe are particularly attractive and the rules in these regions are opening competitive borders that have in the past been the preserve of just a few players. EMIR, for example, creates huge growth opportunity in both clearing and CSD.

"We own and operate three clearing houses and five CSDs and through the process of preparing ourselves to meet a number of the new rules and challenges encompassed in these regulations, we have been able to capture requirements and build them into our commercial solutions."

Given regulatory requirements, traditionally more 'back-office' systems need to be updated to manage the rules. They need to be able to calculate a more comprehensive picture and analysis of cross-asset risk and exposure and employ more robust capabilities for collateral and risk management.

"Within our solutions, we have paid close attention to these needs and believe that we have a very competitive offering for clearing, CSDs and enterprise risk (encompassing pre-trade, at-trade and post-trade risk management)," Ottersgård continues. "Once firms really start to grasp the new rules and implement them, the next opportunity is for those technology providers that can help their clearing and CSD customers compete through the creation of more innovative offerings and services."

"Collateral is of huge interest everywhere due to OTC clearing requirements (especially in the US, Europe and the G20 countries) creating increased need for collateral and of course in Asia as well. As more asset classes are going for central clearing and clearing houses are looking to become more efficient, demand for collateral management is increasing."

It was suggested recently that one Londonbased clearing house might introduce more frequent margin calls, moving from three per day to as many as one every 15 minutes over a 20 hour period. However, Johan Rudén, president Nasdaq OMX clearing says it doesn't see the need for introducing additional margin calls.

*We are tracking all* positions in real time and if needed we can make an intra-day margin call at any time. **Iohan Ruden** 

"We are tracking all positions in real time and if needed we can make an intra-day margin call at any time. Also, some of our products are cleared with pre-novation, where we verify that enough collateral is available before accepting the trade for clearing."

When asked whether the proposed European financial transaction tax (FTT) might affect

In January, Nasdaq OMX opened a new office in Bangalore. Lars Ottersgård says the company is positive about the prospects for emerging markets.

"In the last 12 months we have also opened support operations in Nagercoil and Manila and across the Asia Pacific region we now have more than 750 employees. These new operations bring us a group of highly educated colleagues who will enable us to elevate our support and development organisations and continue to scale and innovate in a cost-effective manner.

"We are supportive of emerging markets and see great growth potential in these markets. As a technology and infrastructure provider, we already have a massive presence in Latin America, Africa, areas of the Middle East and south east Asia. All economies have their ups and down, but we partner with our customers for the long term. Within our market technology business, we are committed to helping our customers no matter how their strategies and economies shift and evolve."



collateral movement, he adds that if the FTT forces derivatives trading to move to other markets, clearing and collateral will likely follow.

Rudén outlined the volume of work Nasdaq OMX has had to do to ensure compliance with existing and forthcoming regulations such as EMIR and the extent to which that work will continue through 2014.

"We are measuring the effort to receive an EMIR licence in thousands of hours. We spent nearly three years converting our clearing houses to meet the new standards. Over this time, we have also developed a completely new collateral management system and have already migrated more than 900 members to the new solution. The effort will reduce dramatically during 2014, but

Europe; continuing to launch 'smart beta' indexes for buy-side and sell-side customers; and expanding index asset coverage by creating more indexes in fixed income, commodities and multi-asset sectors."

In the ETF space, he notes that expansion is being driven by firms choosing to work with Nasdaq OMX rather than the company going out and identifying potential partners. "ETP providers, registered investment advisers and other institutions tell us they are attracted to our rules-based, transparent index construction, comprehensive index services offering, the brand visibility of being attached to Nasdaq and our ability to quickly bring new offerings to market."

"Additionally, although the US has been the dominant market for index-based



Mature regions like the US and Europe are particularly attractive and the rules in these regions are opening competitive borders that have in the past been the preserve of just a few players.

Lars Ottersgård

clearly the base load of compliance work will be substantially higher than prior to EMIR."

While growth naturally attracts competition, Ottersgård observes that to date Nasdaq OMX has not noticed any new market entrants. "However, that is not to say that this situation will continue, so we (and those that already compete with us) need to maintain focus to capitalise on some of these newer opportunities."

The most significant development in the exchange world in recent times is the purchase of NYSE Euronext by IntercontinentalExchange (ICE). A joint bid for NYSE Euronext by ICE and Nasdaq OMX was abandoned in 2012 following discussions with the antitrust division of the US Department of Justice. "Within the market technology business, we have seen very limited impact from this deal," adds Ottersgård.

John Jacobs, who runs Nasdaq OMX's global index business, talked about the company's plans to expand the index business. "Our index business is constantly evolving but we are focusing on three main areas this year: partnering with ETF firms to roll out new ETFs in the US, Asia, South America and

investing, we are seeing a strong growth in adoption rates worldwide for both the flagship products (Nasdaq 100, Nasdaq Composite) and products tailored to local investor preferences and the local market environment.

"We are continually speaking with ETP providers and currently see excellent opportunities in the Asia Pacific region. Conversely, we often approach ETF sponsors/ providers with concepts we create in-house, for example when we have smart beta ideas or other indexes that may be a natural fit for a specific provider."

Ottersgård explains that there are usually three sources of ideas for new ETFs:

- Unique content getting pitched to a provider
- Registered investment advisers and other users looking for a solution that doesn't exist
- ETF providers developing a product and requesting to work with the company

"Demand for smart beta strategies has grown in recent years because firms - and not just in the registered investment adviser community - come to us looking for more outcomeoriented indexes that support strategic investing models. This allows them to use one benchmark for exposure to a desired outcome and thus simplify their overall investing with a rules-based tactical model."

When asked to outline the factors that have convinced the company that there is demand for new fixed income, commodities and multi-asset indexes, he observes that investors are looking for diversification.

"If you look at fund flows and the types of new products in the market, you can see that investors are still seeking more quantitative strategies and other asset classes. In 2013, we launched nine ETPs in Europe on our commodity index family, as well significantly expanding our BulletShares fixed income ETFs."

For the average investor, it can be difficult to invest in individual bonds (due to spreads widening and minimum trade size requirements) and most bond ETFs don't deliver bond-like performance due to the index rules. So the move towards bond funds that act like a bond and deliver the definition and permanence is gaining momentum through the use of ETFs with a defined maturity, Ottersgård concludes.

"On the multi-asset front - such as MDIV (First Trust Multi-Asset Diversified Income Index Fund with more than \$530m assets under management) - investors are again looking for diversification opportunities to ensure they are not overweight in one area, but doing so in a non-complicated way."

# Data Quality: Whose Responsibility

Mark Davies, Head of Avox and Bill Meenaghan, Global Product Manager, Omgeo ALERT





One component in the far-reaching efforts to redress the failings of the financial system post-crisis is the focus on data quality.

In 2008, the Financial Stability Board's Senior Supervisors Group (SSG) sponsored a new counterparty exposure data collection programme to measure improvements in market participants' ability to produce accurate and timely counterparty information. Worryingly, the group's recent report finds that progress to date fails to meet supervisory expectations, highlighting data quality as an area of concern;

"Recurring data errors indicate that many firms are below SSG benchmark standards for data quality and cannot measure and monitor the accuracy of the data they submit or rectify quality issues in a timely manner."

The lack of progress towards a wholesale improvement in data quality is worrying given its criticality to client on-boarding and Know-Your-Customer requirements; trade settlement and reporting; and risk calculations. Flaws in information feeding into these processes will result in unexpected outcomes or affect accuracy of risk assessments – which neither regulators nor market participants want.

#### Improving data quality

Incorrect data is not always a result of negligence; over the normal course of business, firms change their company information which renders counterparty data out of date. But the problem of poor data has grown over time through insufficient maintenance, excessive duplication and dormant records. Given the potentially thousands of counterparties that some institutions have on their books, maintaining one version of the 'truth' is hard enough. Additionally, the complex architecture that many firms run as a consequence of mergers and product, business or geographic silos, can make it almost impossible to separate good data from bad. Moreover, managing the vast

amount of counterparty data is challenging and requires dedicated resources, which are often in short supply.

But irrespective of these challenges, the problem needs to be addressed and data must be maintained on an ongoing basis. The SSG notes that data errors over the past five years have not diminished proportionally to the adoption of automated capabilities but it is our view that automation alone cannot guarantee data accuracy. It requires dedicated research and expertise; knowledge of where data can be sourced and checked; the ability to adapt to hundreds of languages; and ultimately, human oversight to definitively find the correct information.

agree they should have more involvement\*\*. Secondly, following a trend we are seeing in the financial markets, market participants should be looking to capitalise on more collaborative approaches to managing data. Sharing data cleansing and maintenance efforts across the industry via a centralized utility increases efficiency and drives quality improvements through shared expertise.

But regulators have a role too. Regulatory mandates, in all areas of the financial markets, can help to drive and harmonise behaviours. Currently there are no guidelines relating to how frequently data should be checked, updated and verified. While introducing mandates would be difficult to monitor

The complex architecture that many firms run as a consequence of mergers and product, business or geographic silos, can make it almost impossible to separate good data from bad.

## The market, regulator and providers' role

Market participants are aware of (and frustrated by) data errors that impact business processes. In research conducted by Omgeo, nearly half of the banks surveyed said that 30 percent or more of trade fails were due to settlement instruction issues, potentially caused by incorrect underlying data.\* And in terms of market participants' ability to produce timely counterparty information, in a separate survey, 60 percent of respondents cited the need for counterparties to submit trade details in a more timely fashion when it comes to achieving faster trade settlement times.\*

Ultimately, it is the responsibility of financial institutions to ensure the information used in business processes and meeting compliance requirements is accurate. We see two avenues to ease this burden. Firstly, through greater involvement from the custodian community in helping buy-side firms maintain and update data. This view is shared by the custodian community; 63 percent of banks

and enforce, regulators can contribute towards improving data quality through the introduction and implementation of standards, for example, extending the efforts that have been made around the legal entity identifier.

Finally, data solution providers and market infrastructures should continue to help industry participants by developing new ways of easing the burden of data maintenance, and making this accessible in a cost-effective way.

What is absolutely critical is that the market, regulators and providers keep data quality top of mind because the message from the SSG is clear: in the five years since the global financial crisis, there has been little progress towards an improvement in data quality. Only when we are dealing with the correct information can we hope to overcome the failings of the last crisis, promote the safety and integrity of the financial markets.

<sup>\*</sup>Custodian Banks and Settlement Instructions, Bank Survey, Omgeo, July 2011

<sup>\*\*</sup>Preparing for T+2 Settlement: A Review of Global Industry Readiness for Achieving Shorter Settlement Timetables, November 2012

## 'Turkish Delight'

An interview with Yakup Ergincan, CEO, MKK Central Securities Depository (or CSD) of Turkey

ISS: Can you tell us a little bit about MKKs new services such as electronic voting and general meeting, which have become possible because of the regulatory change.

According to the new Turkish Commercial Code, which was enacted on 13 January 2011, listed companies in Turkey are obliged to hold physical general assembly meetings as well as electronic meetings simultaneously, and build a system to enable the exercising of shareholder rights on an electronic medium. Furthermore, the articles concerning corporate governance, general meetings and voting in the new Capital Markets Law no 6362, which was enacted on 6 December 2012, stipulate that electronic general meetings shall be held on the platform developed by MKK.

The Electronic General Assembly Meeting System (e-GEM) was developed and launched by MKK on 1 October 2012 as the single electronic platform for general assembly meeting processes in Turkey. e-GEM, is a bilingual, real-time online general meeting management, e-voting and e-proxy platform. The system, for the first time in the world, enables issuers, beneficial owners and proxy holders to manage the whole GM process that starts with notification of shareholders and conduct meetings that are broadcasted live on the same platform. Moreover, through e-GEM

Borsa Istanbul's partnership with Nasdaq OMX will... foster the development and internationalization of our capital markets and financial market infrastructure.

(The enactment of the new Capital Markets Law in December 2012 has been a game-changer for financial markets in Turkey.)

shareholders can attend general meetings remotely from anywhere with internet connections by using their e-signatures, assign proxies without any need for granting Power of Attorney and vote on the system's electronic platform in a safe and secure way.

e-GEM eliminates manual and costly premeeting procedures for issuer companies by giving them the ability to upload electronically signed GM related documents, including convocations, meeting agenda, voting suggestions of board members and proxy materials, to the e-GEM system. Shareholders and intermediary institutions are automatically notified, on a real-time basis via SMS and e-mail messages, upon the posting of documents on the system and have the ability to view and download these documents.

e-GEM facilitates pre-meeting procedures by enabling shareholders to register for GMs and assign proxies using their e-signatures without delivery of any written documents. Assigned proxies are listed in the list of shareholders which is available on the system before the meeting for issuers' access. Registered shareholders and proxies are immediately notified through SMS and e-mail messages.

Custodians are one of the major beneficiaries of the system. Electronic assignment of local custodians through e-GEM allows them to carry out GM operations for their clients and attend GMs without submitting a Power of Attorney document. Moreover, with the automation that e-GEM introduces in GM related operational processes, custodians can make better allocation of their resources.

e-GEM delivers new capabilities in meeting day procedures by providing sophisticated solutions. The platform establishes a single



point of access for investors, thereby enabling them to attend several GMs on the same day. Shareholders and assigned proxies can attend to concurrent meetings simultaneously conducted on the same day on e-GEM.

e-GEM is fully compliant to regulations such as the EU Shareholder Rights Directive, global industry practices, general meeting standards and corporate governance principles. The system allows shareholders to register for meetings one business day before the meeting date with no blockage of shares. GM attendance and voting rights are determined according to records as of the record date (GMD-1). Once a meeting convocation is made and the meeting documents are posted on e-GEM, investors are instantly notified via SMS, e-mail and ISO formatted messages through SWIFT. The list of attendees containing entitled shareholders and their proxies can be accessed by issuers in an electronic format from e-GEM at 23:59 on the day before the meeting.

Total number of general meetings held	423
Average time of a general meeting	43 minutes
Total number of electronic attendances	13,602
Total number of physical attendances	6,228
Number of nationalities for attendances on e-GEM	41
Maximum number of electronic attendances	756
Maximum rate of electronic proxy participation	44%
Maximum number of general meetings on a single day	32
Time for finalization of electronic votes	10 seconds
Number of opinions sent	241
Number of opposition declarations sent	228

Although not obligated by law, non-listed companies can also use e-GEM in managing their GM processes. In fact, e-GEM was developed as a system that could be effectively used by all public companies in Turkey. The table (above) depicts some statistics for the period October 2012 (launch of the system)-February 2014.

By providing information exchange and exercise of managerial rights on an efficient and safe platform e-GEM will not only increase the level of corporate governance in Turkey but also foster the development of the Turkish capital markets by constituting investor confidence. In fact, e-GEM has increased the number of GM participations by more than 100% in a year, which proves the potential impact of the system. e-GEM is also a benchmark for value-added services that can be developed or adapted by financial market infrastructures all over the world.

## ISS: Is there now increased protection for investors?

The new legislation improves transparency and corporate governance in capital markets and raises the level of investor and asset protection beyond the level of many other advanced financial centers.

MKK has several modules of investor and issuer services that constitute the e-MKK Information Portal in regard to the ancillary duties assigned to it by the new Capital Markets Law (CML). Investors benefit from services of the e-MKK Information Portal with their MKK registry numbers (or the Turkish citizen ID Numbers) and passwords. Non-investing real persons or institutional investors can register to the portal by their e-mail addresses. e-MKK services ensure that end-investors receive all relevant information that flow from their holdings with regard to corporate action events and general meetings.

e-CAS (Electronic Investor Notification and Alert System) is one component of the e-MKK Information platform that brought about an advanced level of investor protection in Turkish capital markets. The system notifies investors against any errors or abuses affecting their securities holdings immediately, and minimizes potential individual or systemic risks. Domestic real investors can receive instant information on securities outflows from their investment accounts through e-mail or SMS by simply registering to e-MKK Information Portal with a valid mobile number and an e-mail address. Other investors can also use this service by registering to the Portal with their e-mail addresses.

MKK is working on e-DATA (Capital Markets Data Bank) project for the distribution of capital markets data which will be sourced from MKK's system and e-MKK Information Portal, and production of data analysis and models thereon for the use of government institutions, rating agencies, and academia. As part of this project, MKK has introduced Investor Risk Appetite Index (RISE). This index is derived by evaluating the weekly changes in investors' portfolios (around 800,000). RISE is calculated for different groups of investors (i.e. domestic investors, foreign investors, domestic real investors, domestic legal investors, domestic funds, and qualified investors) on a weekly basis.

The Turkish Commercial Code Article No. 1524 obliges joint stock companies, which are subject to supervision, to open a website and reserve a part of their website for publishing the announcements obligatory by law. MKK's e-COMPANY (Companies Information Portal) enables companies to publish information and documents initially on the portal, integrate those information and documents with company web sites, provide required security levels, enable access from a single source and consistency, and establish data transmission to the

## (The new legislation paves the way for the development of the derivatives market in Turkey.)

Apart from the e-GEM, which introduced effective usage of managerial rights in Turkey ahead of most of the advanced economies, MKK's e-GOVERNANCE (Corporate Governance and Investor Relations) was constructed to establish a high level of information transparency in Turkey. Through the platform, investors can get any information from a single point that is shared by issuer companies on issuer web pages created on the portal, not only for the securities kept in their portfolio, but also on any other securities that drive their attention for investing. Such information can also be requested by the investors via e-mail or SMS. By ensuring better communication between companies and investors, e-GOVERNANCE contributes to better dialogue and more informed voting in corporate governance and thus to increased investor protection. Additionally, the Public Disclosure Platform (which is the main source of information for corporate events, material disclosures, etc. that will be managed by MKK after 17 March 2014) announcements, and statements published by issuer companies to the PDP will be fully integrated to e-GOVERNANCE platform.

Central Registry Number System (MERSIS) infrastructure. In this way, all documents that companies are required to publish on their web sites are gathered in a single center and presentation of data and information on all companies in Turkey on specific criteria are provided in a safe manner.

The new law has also established a new investor protection scheme, the Investors Indemnification Center (IIC), for the compensation of investors for losses suffered due to insolvency of investment institutions. The IIC enhanced the level of protection established by the Investors Protection Fund (IPF), which used to be managed by MKK according to the previous legislation. Currently, the IIC is managed by the CMB and covers financial instrument delivery and cash payment obligations arising from transactions of intermediary institutions for which an administrative liquidation or bankruptcy decision is made. The new scheme covers all capital market instrument obligations besides equities. Furthermore, coverage amount was increased from around USD 35,000 to USD 50,000 per investor.

# ISS: Borsa Istanbul has been formed to replace the old Istanbul Stock Exchange, what are the major differences.

The enactment of new Capital Markets Law in December 2012 has been a game-changer for financial markets in Turkey. With the new law, Istanbul Stock Exchange merged with Istanbul Gold Exchange and Turkish Derivatives Exchange (TurkDex) to form Borsa İstanbul as a joint stock company. However, the transformation from a nonprofit structure into a for-profit organization means more than just a legal act. The move is a growth factor on its own and will lead to improved operational efficiency and better corporate governance. The fact that the share of for-profit exchanges in total rose to 74% in 2012 from only 38% in 1998 also clearly confirms the current trend in exchange business.

With merger of separate exchanges, Borsa İstanbul is now a one-stop shop for all kinds of financial instruments and investors have the opportunity to trade in a wide range of products, which include equities, fixed income instruments, derivatives and commodities. Such horizontal consolidation will add to Borsa Istanbul's competitive power at a time when alternative trading platforms, with their flexible structures and high-technology, have started to gain significant market share.

At the heart of Istanbul Financial Center (IFC) project, Borsa İstanbul aims to be the finance and technology hub in the region. Accordingly, it stepped up its efforts to have a solid technological infrastructure and to be more active in broadening its product mix, enlarging its investor/issuer base and developing relations with international exchanges and organizations.

Thanks to the agreement with Nasdaq OMX; Borsa İstanbul, in near future, will provide investors with broadest product mix on reliable and transparent platforms with highest efficiency possible.

There are 421 companies currently listed and yet Market Capitalization to GDP ratio reached only 39% at the end of 2012. Considering the fact that only 127 out of 1000 largest industrial companies in Turkey are listed currently, Borsa İstanbul's focus will be more on blue chip firms which will not just boost the market capitalization of Turkish stock market but also be a role model for small and medium size enterprises. Borsa İstanbul stepped up its efforts in the context of IPO campaign through organized events, on-site visits and media campaigns. Moreover, a new project called ListingIstanbul has been initiated

in order to attract foreign companies for listing at Borsa İstanbul. Increasing Market Capitalization to GDP ratio to 70 to 80% levels and the number of listed companies to 1.000 by 2023 are major targets of Borsa İstanbul in this context.

Broadening existing product mix and initiation of new business areas are important elements of Borsa İstanbul's strategic roadmap as well. Fixed income business offers vast opportunities in this respect. In recent years, the new corporate debt issues jumped to USD 29 billion in 2013 from almost nothing. Another line of fixed income business on which Borsa İstanbul aims to show progress is Islamic debt securities. Although it is not a mature business yet, funding needs and large infrastructure investments in Turkey will be the reasons behind the momentum in Turkish Sukuk market in near future. Larger and frequent issuances will also support the liquidity of such instruments at Borsa İstanbul. Options and future contracts based on equities and indices are now traded at Borsa İstanbul platforms, too. The upcoming Turkey Energy Exchange is another line of business. Borsa Istanbul will become a shareholder and the platform operator of energy trading in Turkey. Energy derivatives including electricity and natural gas contracts will be traded in Borsa İstanbul's trading system.

As an exchange which aims to be the technology and finance hub of the region, Borsa Istanbul establishes new relations with exchanges all around the world as well. For this purpose, Borsa Istanbul signed MoUs with various exchanges in Balkans, Central Asia and MENA region. Joint product and technology development schemes, connectivity projects, exchange of personnel, education are major cooperation areas where Borsa İstanbul continues to work and likes to show significant progress in this respect.

# ISS: What is the timeframe for Borsa Istanbul to become a publicly traded company?

IPO of Borsa İstanbul is expected to be completed in first half of 2015.

### ISS: Will the implementation of the CML mean that Turkish capital markets will become more active in the coming years?

The Turkish government and all capital market participants are working on the Istanbul Financial Center Project, which aims to establish Istanbul a regional and international financial center in the coming years. The new CML was aligned with this role and created a foundation for the project. The new legislation, coupled with the strong

macroeconomic structure, helped Turkey receive investment grade from international rating agencies after 18 years. These developments were crucial factors behind Borsa Istanbul's historic performances in 2013

As a market infrastructure institution we are supporting this project by improving the technological capabilities of the settlement and custody system in Turkey in compliance to international standards, regulations (i.e. EU shareholders directive) and best practices. Furthermore, at the moment we are working on opening links with many regional and international CSDs to integrate our markets with the global financial world. Indeed, allowing foreign CSDs to open omnibus accounts at MKK and the related changes in the capital markets legislation is expected to improve the cross-border custody and settlement business in Turkey. New securities will be able to be issued in Turkey by foreign participants in a more efficient way and MKK will be able to provide custody and settlement services for these instruments. Moreover the market for Turkish capital market instruments will gain momentum as international investors' access to our markets will be enhanced.

Borsa Istanbul's partnership with Nasdaq OMX will establish another pillar of the new structure of our capital markets. The partnership will foster the development and internationalization of our capital markets and financial market infrastructure by implementing best-in-class technology.

All in all, the new legislation has constituted;

- Further compliance to EU regulations and global industry standards,
- Improved transparency and safety in domestic capital markets,
- Better investor and asset protection,
- Better corporate governance and closer relationship between company & shareholders,

and these aspects will surely establish more globally integrated and active capital markets in Turkey.

#### ISS: Please tell our readers about the Turkish Capital Markets Association.

The Association of Capital Market Intermediary Institutions of Turkey is a self-regulatory organization in the Turkish capital markets. The Association represents all banks and brokerage firms and oversees its members

The new Capital Market Law, which went into effect at the end of 2012, will broaden the Association's membership structure. With the recent amendments, asset management

companies will also become members of the Association, in addition to the current 141 members, consisting of 100 brokerage firms and 41 banks.

The Association's mission is to contribute to the development of a community of professionals equipped with high level of expertise who are sincerely committed to ethical values and perceive competition as offering better products and services to investors. In this regard, various training programs are offered to market professionals. In 2013, 6,000 participants attended the training programs offered by the Association. Moreover, since the last quarter of 2012, the Association has been running a comprehensive investor education program for the public, based on behavioural finance principles.

## ISS: Are new capital market instruments introduced with the new CML?

Introduction of new investment incentives for the population as a whole, expansion of the investor base and diversification of capital market instruments were fundamental issues that were addressed by the new CML. The new legislation paves the way for the development of the derivatives market in Turkey by including derivative instruments in the capital market instruments definition. Articles on establishment of CCPs and trade depositories will further support the

development of OTC derivatives market in the future.

The new CML and related secondary legislation also supported issuance of new instruments such as shariah compliant instruments (ijara certificates) and introduced new incentives for investments in pension funds in order to foster the growth of the Turkish capital markets and increase saving rate in the country.

In accordance with the duty assigned to MKK by the new CML, provisions of the Agricultural Products Licensed Warehouse Act. No. 5300 and the e-Warehouse Receipt Regulation which is based on this act, MKK was designated as the Electronic Registry Agency by the Ministry of Customs and Trade for keeping of records on electronic warehouse receipts. Electronic warehouse receipts are created at MKK on behalf of farmers or any institutions that deliver products to a warehouse licensed by the Ministry of Customs and Trade. The records, which are considered as valuable papers, and rights attached on products are held in the MKK system as electronic book-entry records. The service has integrated the financial world and the agricultural world by paving the way for new capital markets instruments (i.e. derivatives products) that will be issued on these electronic receipts in the near future. In 2013, the first electronic warehouse receipts were issued on cotton by a licensed warehouse which became a MKK participant.

# ISS: The partnership with Nasdaq OMX will provide the exchange with state of the art technology, what is the timescale for the introduction of these new systems?

With the agreement, Borsa İstanbul will acquire state of the art technology employed by the leading exchanges of the world and a multi-asset, multi-currency platform, integrated into all post-trade functions, with customary key features such as connectivity and risk management will be in the service of all investors. Borsa İstanbul will also have the right to make changes and improvements on these technology solutions which will enable it to develop and maintain its technology in medium and long term.

The whole system is provided to go live before the second quarter of 2016. The project will be completed in two phases. In the first phase, the platforms for the trading and clearing of cash equities will be delivered. The first phase is planned to finish by the second quarter of 2015. On the other hand, the second phase will include the transfer of platforms for the trading and clearing of derivatives and fixed income instruments. During the whole period, pre- and post-trade risk management tools together with surveillance systems associated with each product type will be established.



Alessandro Terracciano | Dreamstime Stock Photo

# A new era in the Turkish Derivatives Market

Murat Ulus, CEO, Takasbank Chairman, MKK (Central Registry Agency) Board Member, ECSDA, Board Member, FEAS



Takasbank provides clearing, settlement and custody services within the framework of capital market regulations as well as sector specific banking services within the scope of the Banking Law, in Turkey.

Being the central clearing and settlement house of Turkey, Takasbank's ultimate goal is to contribute to Turkish capital market development through expanding its product and service range. In this respect, Takasbank, in cooperation with its stakeholders and Capital Markets Board, prepared a detailed roadmap to navigate its way to grow into becoming a central counterparty for all organized markets of Borsa Istanbul. As a first step, Takasbank will begin to provide CCP services to derivatives markets as of March 3, 2014.

Although the history of derivatives trading in Turkish capital markets goes back to forward transactions being executed not only in various commodity markets but also in money markets, the first building blocks of organized derivatives market goes back to 1974 when FX operations were allowed by the Central Bank of the Republic of Turkey (CBRT) after the beginning of the demise of the fixed currency of Bretton Woods monetary system based on US dollars and gold and switch to a free floating currency system by 1971. The first swap transactions began to be executed in 1985 between CBRT and corporate banks subject to certain conditions.

Borsa Istanbul VIOP	2013 Trading Volumes (USD)
Futures	135,949,679,378
Options	98,190,147
Option Premiums	3,133,251

In Turkey, on-exchange derivatives trading began with the establishment of markets within the Istanbul Gold Exchange in 1997, the Istanbul Stock Exchange in 2001 and ((2013 was a year of restructuring for Turkish capital markets in line with the new Turkish Capital Market Law.)

then a specific exchange, Turkish Derivatives Exchange (TURKDEX), was established in 2005 and contracts traded in the stock exchange migrated to TURKDEX platform. As the central clearing and settlement institution of Turkish capital markets, Takasbank began to offer clearing and settlement services to derivatives trades executed at TURKDEX. On December 2012, with the establishment of Borsa Istanbul Futures and Options Market, options contracts in addition to futures began to be traded in the organized Turkish derivatives markets. With the merger of TURKDEX, Istanbul Gold Exchange and Istanbul Stock Exchange under Borsa Istanbul Inc. roof, Borsa Istanbul Futures and Options Market began to execute both futures and options contracts as of August 5, 2013.

TURKDEX	Trading Volumes (USD)
2005	2,257,854,345
2006	12,718,000.334
2007	101,816,132.814
2008	136,655,671.245
2009	224,684,231.884
2010	280,750,511.522
2011	232,833,548.236
2012	227,234,888.881

Takasbank has been clearing exchange traded derivatives transactions and managing risk via determining the collateral types and procedures, providing daily mark to market on a customer level, monitoring collateral composition and margin call, managing collaterals in cases of default, providing guarantee fund and cash management as well as member training in both of these markets since their launch, without assuming risk.

Derivatives Contracts Traded at Borsa Istanbul
Futures Contracts
- BIST 30 Index Futures
- Single Stock Futures
- Currency Futures
- Electricity Futures
- Wheat Futures
- Gold Futures
- Cotton Futures
Options Contracts
- BIST30 Index Options
- Single Stock Options

2013 was a year of restructuring for Turkish capital markets in line for the new Turkish Capital Market Law enacted as of December 30, 2012. The previous Law dates back to 1982 and the new law harmonizes the regulations with those of the EU and lessons learnt from the 2008 global financial crises was taken into account in the preparation period. In addition to consolidation of TURKDEX, Istanbul Gold Exchange and Istanbul Stock Exchange under the Borsa Istanbul Inc. roof which allows all financial instruments to be traded on a single exchange; post-trade services have also gained judicial grounds. New Law also introduced settlement finality and asset segregation and protection in line with the international regulations which bring trustworthy environment for local and international investors invested in Turkish capital markets.

Parallel with these developments in 2013, Takasbank has also renewed its functions and has started to develop its CCP, trade repository and numbering services. Beginning from September 2013, Takasbank



has been providing full CCP services to Takasbank Securities Lending Market and will become CCP for Borsa Istanbul derivatives market as of March 3, 2014. Takasbank will also be CCP for equity and debt securities markets of Borsa Istanbul, after migration of Borsa Istanbul and Takasbank infrastructure to new platforms which will be developed by Nasdaq OMX Group within the framework of the strategic partnership agreement between Borsa Istanbul and Nasdaq OMX signed in January 2014.

#### **Takasbank's Major Business Lines**

Central clearing and settlement

Asset transfer

Collateral management

Issuer CSD for pension funds

Depository for collective investment schemes

Local and global custody

Cash credit

Market operation (security lending, money market)

Operation of Turkey Fund Distribution Platform

Trade repository services

Numbering (ISINs, LEIs)

Since its foundation, Takasbank has been a gateway between money and capital markets maintaining the robust, reliable and low-cost realization of securities and funds transfer. Starting its operations in 1988 as a department within Borsa Istanbul, Takasbank gained the status of a bank and thereafter started to offer sector-specific banking services to Turkish capital markets in 1996. Throughout years, as the central clearing and settlement institution for organized capital markets, Takasbank enlarged its product range with the banking services comprising of both cash and non-

cash credit mechanisms which supports settlement finality. This has not only provided efficacy in both cash and securities transfers but also contributed to the reliable and timely payment of settlement obligations at the value date.

In relation to clearing OTC derivatives; in line with G-20 leaders commitment to improve transparency and regulatory oversight for OTC derivatives markets, Takasbank was authorized as trade repository for leveraged spot FX transactions by the Capital Markets Board and started to provide this services on September 2011. In line, with the global drive to offer trade repository, clearing and risk management services for OTC derivatives trades, Takasbank is working closely with the Capital Markets Board.

Within the framework of Istanbul International Finance Center Strategy and Turkey's 2023 vision as well as G-20 commitments, Takasbank is endeavoring to complete its CCP studies basing on the new legal infrastructure created by Capital Markets Law as well as Regulations on Central Clearing Institutions and Takasbank. The next step as well as the cornerstone for Takasbank CCP studies will be to become a qualified CCP endorsed by ESMA and extend the range of its CCP services from organized markets to OTC markets.

#### **Takasbank Legal Framework**

Capital Markets Law (No: 6362, dated Dec. 30, 2012)

General Regulation on the Establishment and Operating Principles of Central Clearing Institutions (dated May 30, 2013)

> Takasbank Central Clearing and Settlement Regulation (dated July 18, 2013)

Takasbank CCP Regulation (dated August 14, 2013)

In recent years, public policymakers have demonstrated growing interest and concern about the effectiveness of CCP risk management. For financial stability, the CCPs should be designed according to the international standards to ensure that risks are minimized to the largest extend. It is agreed that systemic risk should be reduced and should be better managed. With this standpoint and fully in line with EU regulations, Takasbank is developing its operational and financial infrastructure to be able to fulfill CCP services and is working on a solid risk management framework that will extend its risk management and monitoring capacity which consists of all lines of defenses and relevant stress tests. As part of this, all risk management related matters are being addressed and responsibilities are being redefined. In line with CPSS/IOSCO Principles and EU regulations as well as BASEL III requirements and with the major end-results of investor asset protection, settlement finality and CCP services, Takasbank will offer clearing and settlement facilities in diverse capital market instruments through an effective, cost-efficient, continual and reliable services at internationally accepted standards as well as enhanced IT infrastructure and aim at sustainable customer satisfaction.

Turkish capital markets are on the verge of a new era and benefit from Turkey's large, dynamic economy with increasingly diverse linkages beyond its region as well a favorable macro and fiscal framework and investment grade credit rating. Takasbank is endeavoring to strengthen its place among the capital market institutions in this new era, in order to contribute Turkish capital markets development with a vision to be a trustworthy, effective and innovative institution which provides clearing, settlement, banking and central risk management services at international quality standards, preferred both in domestic and international markets.

# The Implications of New Legislation on the Turkish Capital Markets

Ozgur Guneri, General Manager, Finansinvest Necla Kucukcolak, Manager, International Market, Takasbank Gunsel TOPBAS, PhD, Head of Middle East, Pakistan, Turkey, Direct Custody and Clearing, Assistant General Manager Securities Services – Citibank A.S. Ibrahim Yurtlu, Manager Securities Services, HSBC

ISS Mag talked to some of the key players in Turkey's bid to become a leading centre for financial services.

Turkey's new Capital Markets Law is a key element in that country's ambition to become a leading centre for financial services. The implications of the legislation and other associated developments were discussed in a meeting with ISS Magazine Managing Editor.

Capital Markets Law No. 6362, which entered into force on 30 December 2012, was designed to provide a framework for deeper and more liquid capital markets by enhancing investor protection and harmonising Turkish capital markets legislation with EU rules.

The most obvious effect of the new law was the creation of a new securities exchange, Borsa Istanbul, to replace the Istanbul Stock Exchange. Other notable changes were the introduction of a new prospectus review process similar to that used in the EU where a prospectus is submitted for approval by the Capital Markets Board (CMB) before capital market instruments can be offered to the public or traded on a stock exchange and strengthened investor protection in the form of expanded disclosure agreements and increased liability for inaccurate or misleading information or omissions in disclosure documents.

((If the same law had been passed a decade ago when the real interest rate was 10%, it probably wouldn't have had much impact.)

Ozgur Guneri

Ozgur Guneri, General Manager, Finansinvest observes that he has analysed the Turkish market in the context of other capital markets and hopes that the new law will be the first step towards significant growth.

"When we analysed other markets there were two common factors – lower interest rates and policy maker intervention. Where the interest rate is lower than the rate of economic growth, investors derive less income from interest rates than investing in capital markets. The second factor is where the policy maker intervenes in the market to a significant level, usually through financial reform."

Turkey currently experiences similar conditions in that the interest rate is lower than the real rate of economic growth and regulators have made a significant intervention.

"These two factors will hopefully fuel capital market growth," says **Guneri.** "That is why the new law is very important, in terms of timing as well. If the same law had been passed a decade ago when the real interest rate was 10%, it probably wouldn't have much impact. With current conditions I believe the new law will pave the way for new products



and new ideas, or at least will enable us to reach international standards, so I am very optimistic about next year and beyond."

When asked to outline the key differences between the Istanbul Stock Exchange and Borsa Istanbul, **Necla Kucukcolak**, Manager International Market, Takasbank refers to planned further developments such as the establishment of a separate energy exchange.

"There is also talk of a commodity exchange, but that would be a longer term project. The operator of these exchanges would be Borsa Istanbul, which would also have a share in these exchanges and would be on the board of management."

Borsa Istanbul is working on a strategic partnership as part of the longer term objective of becoming a publicly traded company, he explains. "One other important development is becoming a de-nationalised system. There was confusion in the past over what kind of institution the exchange was - it could have been described as a public company, state owned, semi-state owned or even private. I think this is now clear and as



a result it has more ability to take action and move forwards."

In December, agreement was reached between Borsa Istanbul and Nasdaq OMX for the latter to take an initial 5% equity stake in the exchange (with an option to increase this by an additional 2%) as well as provide technology and advisory services.

Gunsel Topbas, PhD, Head of Middle East, Pakistan, Turkey, Direct Custody and Clearing, Assistant General Manager Securities Services – Citibank A.S. said that local institutional investors are at infancy stage for equities with high growth potential.

"A decade ago there was no pension fund industry in Turkey, but in the future, local institutional investors, including pension funds will be a big contributor to the volumes and the size of the market. Currently about two third of investors are foreign institutional investors, with the remaining 35% accounted for by local retail investors. This will change and it is expected that the share of the local institutional investors in Turkish capital markets will grow at a great speed; as also supported with the new legal framework in the market.

He also mentions that the growing transaction numbers in the market prove that there is continued interest by foreign investors. "Transactions (and therefore volumes) are steadily increasing".

This is a liquid market, one of the most liquid markets and will continue to be so over the next few years. I think one important factor that has not been yet benefited the market is that in May 2013, Turkey became investment grade. We should expect that this will be another element to contribute to higher volumes and increased interest from foreign investors, especially on the sovereign side."

**Ibrahim Yurtlu**, Manager Securities Services, HSBC accepts that some of the banking regulatory agency's rules are not entirely





This is a liquid market, one of the most liquid markets, and will continue to be so over the next few years.

**Gunsel Topbas** 

compatible with what the capital market world is trying to achieve. "Because cost has been quite an important part of doing business, obviously you try to find a way to increase operational efficiencies. But you have barriers, so you say, 'Okay, you have to be here. You have to be present here.' If you have the ability to manage your costs in a better way then you should be taking care of your operations, whether it is in Istanbul, Cairo or somewhere else. I think the banking authority should be more in line with what the market is trying to achieve – at the moment there is a mismatch."

Reference was made to two major changes, one on the asset management side and one on the broker firms side.

"In the past life insurance companies, banks, intermediary or brokerage companies were allowed to set up funds, but under the new law only asset management companies will be able to do so. The legislation will be effective from 1 July 2014 but there is a one year transition period, so hopefully on 1 July 2015 all fund issuers will become asset management companies.

"On the brokerage side there are roughly 100 brokers in Turkey and the regulator believes that number is too high. Investment firms or brokerage businesses are very capital intensive, so you cannot just be in the market with five people and very limited capital. These companies will either grow their business or go out of business.

"The other factor to take into account is that from 1 July 2015 it will not be permissible to communicate with an investor on a one to one basis or command them to buy assets. An investment advisory agreement will be required together with the appropriate licence. This will significantly affect the way banks operate from the financial products perspective and will bring significant changes from the distribution side as well."

It was suggested that investors didn't need asset managers in the past because they were investing in Turkish bonds and making good returns. "This is not the case anymore so there is a need for asset management and for seeking yield elsewhere."

In a speech at the general assembly meeting of the Association of Capital Markets Intermediary Institutions of Turkey in December, chairman Attila Koksal referred to the updated Capital Markets Law and the re-structuring of the exchange as key stages in the development of Istanbul International Financial Centre (IIFC).

By 2016, the Turkish government hopes that the head offices of the country's financial market governing bodies, state-owned and private banks and related businesses will be located at IIFC.

The panel were broadly optimistic about the country's potential as a financial centre and particularly a centre for Islamic finance, suggesting that the necessary regulations and infrastructure are in place and that MKK (Merkezi Kayit Kurulusu - the central securities depository for dematerialised capital market instruments in Turkey) was setting a benchmark for other jurisdictions.

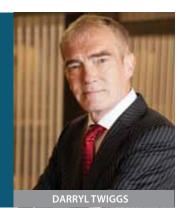
There are a few clauses in the new law that set the stage for collateral management closer to what investors would expect in more developed markets. The panel discussed the value of increasing confidence in investor protection and simplifying the process of new product development through the integration of the derivative and cash markets, which will benefit retail investors.

There was also reference to the increased importance regulators are giving to institutional investors. "Turkey has been focusing more on protecting retail investors. Now the regulators - as well as the exchange - have realised that without a good institutional investor base it is not possible to increase volumes, investments and savings."

However, there was also an acknowledgement that further developments were required. "For example, high frequency trading and electronic trading is not something we can really offer now. We have very big clients and we are not capable of getting new clients in, because the system is still very slow compared to internationals standards" was one of the concluding comments.

## The Utility of Trade Processing

Darryl Twiggs, Head of Product Management, SmartStream



Trade process management needs rapidly-processed, easilydistributed data; that requires a considerable change for many financial services firms.

Banking operations are going through a revolution. Banks have to reduce costs substantially, cuts of anywhere from 50% to 70% of their current spend. To achieve this is not a case of automating any single process or capability, they need new ways of operating. They are also under pressure to rationalise their solutions landscape in order to better deliver joined-up, intraday analysis of their positions. Demands of customers and regulators have shown the flaws in the siloed system, batch-processing models for trade process management that have traditionally been used.

What banks now want to see is a single, crossasset class provision that can lower costs and push data out to their client-facing portals, in a way that surpasses anything that their current technology base enables them to do.

For example, over the last 18 months there has been a growing demand for validation of pricing and market values, from a reconciliation point of view. Providing traders with true value is something that regulators want to see, but also tackles the sensitivity on risk that banks increasingly feel.

That is a challenge for firms that do not have full reconciliation solutions. The halfway house of a matching system can spot a problem, but then leaves the firm to deal with that problem. A reconciliation system should be able to deal with those consequences in terms of checking against the fund, the portfolio, the account, and then looking at the complete movement of currency and securities over that portfolio or fund. To do that requires a multi-asset class solution.

Historically these platforms, including traditional transaction processing systems, have been built on a restricted set of asset ((By evaluating where the bottlenecks are in the trade lifecycle, a smart business can identify the true cost of failure.))

classes. To cope with the new demands, businesses are now trying to bend those systems to do more than they were designed to, rather than replace them.

#### Drivers for change

Regulations are imposing huge numbers of new control points on financial operations. Banks motivated by regulatory pressure are often looking for a solution to process over-the-counter (OTC) derivatives because of Dodd-Frank or the European Markets Infrastructure Regulation (EMIR) or to cope with the reporting requirements of the Basel III capital adequacy rules. One of the requirements under Basel III is to be able to deliver stress testing, however if the bank's data is in 30 different systems, there is no way to do that. These are pushing banks to look at using a single trade data repository.

Others are looking for a single repository as a consequence of rationalising their landscape of 10 or 20 different solutions that are supporting siloed lines of business. A single platform is often the only way to tackle the multiple issues that a technology sprawl creates. Banks are under increasing pressure to reduce their operating costs and it is can be expensive to support any solution; as a consequence they are looking to cut their support costs, to rationalise the licences they hold for different solutions, and to reduce the number of people that are needed to operate those systems and maintain them.

Tightening the belt by so many notches at once has led to a complete change in the paradigm in the back office in the last 12-18 months. There has been a move towards the utility model of technology provision, with horizontal IT layers across the back office and a reconciliation solution which provides a utility service to multiple lines of business. That presents a challenge because the lines of

business have traditionally been managing this aspect themselves, dealing with the prime data. Now they not only have to put a reconciliation service in place but also an exception management layer, which is the interface to those lines of business, engaging them in transactional operations.

Tier One and Tier Two banks are moving into that space rapidly, giving them the opportunity to decommission silo- or asset class-specific solutions. Some banks are looking to outsource the whole operation. This model had been pushed unsuccessfully in the late 1990s and early 2000s by custodian banks. Now independent companies such as Accenture are providing a lift out of those back-office operations. SmartStream is engaged in one of these operations with Accenture, in the Accenture Post-Trade Processing (APTP) solution, where it provides all of the transaction servicing as a utility.

#### The utility of utility

By evaluating where the bottlenecks are in the trade lifecycle, a smart business can identify the true cost of failure. However, increasing demands for visibility across the whole lifecycle of the trade are impossible to meet for banks that have got different systems processing different stages of the lifecycle. Where there is an exception downstream, firms want to see the whole upstream lifecycle. That means being able to see the instruments, the confirmation, the affirmation, settlement instructions, settlement instruction advice, payment advice and payment itself all in one place. Increasingly there is a requirement for heuristics-based solutions, which can identify patterns and common sources of error.

This insight is crucial if firms are to avoid making simple judgements and thereby simple mistakes. For example, as a firm goes through the rationalisation of process flows, it might identify a solution as being slow, when in fact it is the Extract, Transform, Load (ETL) layer that is supposed to enable data delivery, that has had a problem, and so data has not been delivered to a system. Only through a heuristic capability to do that analysis can a bank have the opportunity to identify such an issue.

The other big challenge when managing multiple solutions and dealing with customer data, is the accurate alignment and reconciliation of that data. In the securities world there are traditional industry standards of coding conventions whether it is the Committee on Uniform Securities Identification Procedures (CUSIP) number, Reuters Instrument Code (RIC), International Securities Identification Number (ISIN) or Telekurs number.

Wedded to this, customers each have their own versions and when a bank is dealing with external parties who are using totally different symbologies it faces a major challenge. Banks are having to invest huge amounts into ETL solutions to manage this issue, until an introduction of greater standardisation comes in. Individual reference data / static data solutions have their independent models and trying to rationalise those is an impossible task.

The new paradigm provides an answer to these challenges, as reference data and securities data is held in a single master outside of the organisation. Smartstream's reference data unit has partnered with Euroclear to provide a central data utility. The idea is to take the utility model from processing information and creating a

mutualised source of data. Banks who are clients of Euroclear are taking Smartstream's clean data, so they all have and use the same data.

Mutualising that information via a single source, rather than independently provides huge cost savings. With ten parties dealing with the same data there are fewer exceptions, and there is the opportunity to lift out the whole securities support team.

Banks are having to provide intraday data to their clients, because to those clients liquidity is also an issue. In order to do that, the upstream systems also have to move to an intraday process; general ledger systems are having to provide intraday data on settlement where traditionally they were overnight batch-based. Banks must be able to look at liquidity or funding at the individual transaction level and provide that data to

## ((A single platform is often the only way to tackle the multiple issues that a technology sprawl creates.))

Current technology trends are facilitating this change. Software-as-a-service (SaaS), cloud computing and distributed software solutions all support solutions irrespective of location and that gives the technology providers and therefore clients the opportunity to work at a lower cost base. By providing the capability to respond dynamically with processing power, the need to overcompensate for capacity ahead of time is reduced, thereby removing the an expensive fixed cost from the equation. New technology is web-enabled so it can be deployed on the web at zero cost. The location of a processing hub is flexible, which can allow multiple users to take advantage of lower resource costs geographically.

#### Timing is everything

Moving from a batch-based process to intraday is a complete step change, and it is not a purely internal issue. There is a broad move to an intraday liquidity risk model.

the bank's customers so that their liquidity is monitored.

New utilities are coming to the fore, particularly in the US, where futures commission merchants provide intraday liquidity to their customers as a standardised process.

Ultimately this is an issue of risk. Bank clients need to know what their liquidity positions are, what their funding positions are, where they can best take advantage of changes in markets or get out of markets. They can only do that if they have a back-office process that is flowing intraday. The old paradigm of operating on an overnight batch process represents the technology of 40 years ago and the world in which it existed. An ordinary person's day-to-day life is reflected very rapidly in the way that large institutions have to operate; in the modern business environment that means intraday, webenabled, joined up information.



## Challenging the Status Quo to Overcome Outsourcing Obstacles

Hugh Cumberland, Solution Manager, Financial Services, Colt Enterprise Services



"In this world nothing can be said to be certain, except death and taxes", famously remarked Benjamin Franklin in 1789. For those of us working in the world of financial services today we could quite fairly add "outsourcing" to that very short list.

Application systems and operational functions have often been outsourced, particularly for non-core activities and where economies of scale created financial efficiencies for all parties concerned. Typically these areas of outsourcing have been limited to peripheral activities. But the crash of 2008 has brought operating costs into sharp focus. Squeezed margins and constrained capital availability have necessitated a rethink on the sacred cows that have not previously been candidates for outsourcing.

(e.g. awaiting cloudification) then put on hold and re-visit frequently. Remember that outsourcing has been with us for a long while, and from a regulation, compliance, security and control perspective, utilisation of private virtualised resource pools does not present a materially more challenging scenario than outsourced hosting in a co-location venue.

Secondly, many financial services firms are starting to re-visit the concept of outsourcing operational functions - and not just the applications but the people and procedures that go with them too. The same vigorous and robust approach should follow. Does the function really need to be under your direct control, using your headcount and facilities in your office space? Does it really differentiate? Could an outside body do it equally well for your firm and your competitors, at a cheaper unit price, with no loss of customer service or competitive position? Many such functions have long been considered core competences that differentiate and cannot possibly be outsourced. Challenge the status

## Best practices for finding an outsourcing provider

- 1. Shortlist providers do they have domain knowledge?
- 2. Audit their capabilities and claims do they stack up?
- 3. What accreditations do they have (e.g. ISO, Up Time Institute etc), are they current and do they cover the facilities/resources in question?
- 4. Ask for references...and make time to have an in-depth conversation. Ask for a site visit – does it come up to your expectations? Does it feel right?
- 5. Ask for a draft transition plan if they don't have one to hand, have they done this before?
- 6. Select and negotiate what protections, guarantees and SLAs do you want? Be sure that you are making the savings you expect but are also making it worthwhile for your supplier to give you a good service.

Squeezed margins and constrained capital availability have necessitated a rethink on the sacred cows that have not previously been candidates for outsourcing.

#### New candidates for outsourcing

Firstly, in the area of applications, the emergence of outsourced private virtualised resource pools has created new opportunities to cut and control costs - both direct and indirect. The only barrier to leveraging these new opportunities seems to be trepidation. Which applications can be outsourced, what about security, compliance, regulation and control? To avoid dithering, determine which applications are absolutely not available for outsourcing (for whatever reason). Prioritise what's left by "bang for buck" and ease of transition, then work through the objections one by one. If perceived obstacles evaporate under close scrutiny then the application in question can be fast-tracked for outsourcing. If obstacles remain determine – are they temporary or permanent? If temporary

quo. Is that really the case? A lot of banks, brokers and custodians seem to be replicating the same tasks in a way that does not appear particularly differentiated. While it is easy to imagine that functions such as pricing and P&L analysis are not something most firms would want to be outsourced, can the same be said of all aspects of corporate actions processing? Or static data management for non-proprietary data? Historical storage of public domain data?

## What happens if there isn't anybody to outsource to?

Where financial services firms have refused to outsource in the past, it's entirely possible that there might not be a provider for certain services. But the absence of a service provider is not always a complete barrier. Banks and the like should get together and approach existing service providers to ask them about taking non-differentiated processing off their hands. Failing that, create a jointly-owned (and carefully managed) utility, bearing in mind that existing utilities should not be expected to be all things to all people, nor providers of systemic or over-concentrated risk.

When it comes to considering outsourcing – whether at an application or function level, be bold. Challenge the status quo. Collaborate with competitors where it makes sense. Make sure that vested interests don't impede progress. Identify non-performing assets (e.g. under-utilised data centres, proprietary disaster recovery facilities), and then plan to eliminate them. Engage the regulators when trying to grapple with the challenges of marrying compliance and outsourcing – they'll be pleased to see financial firms making better use of capital, and controlling operating expenses.

# The Luxembourg Fund Industry – Looking Ahead In 2014

Josée-Lynda Denis, Chair of the ALFITA and Distribution Forum



As we look ahead to 2014, alongside the financial crisis over the last few years, the Luxembourg fund market has continued to grow, with the TAs riding along to support its ever expanding global distribution landscape.

The following numbers confirm this statement (as at end December 2013):

- AuMs totaled €2,615.4bn;
- Of the €193bn of net sales across the European fund industry in 2013, nearly 50% of all net subscriptions were for Luxembourg funds;
- The number of funds and sub-funds increased slightly over the year with 3,902 funds and 13,685 sub-funds.

These figures do tell a compelling story, however, there are ongoing threats and challenges for the sector as the regulatory agenda remains charged and threatening and the competitive market is growing with foreign markets wanting to also position themselves as fund centers of excellence.

servicing regional hubs in Asia, Americas and Europe to support the increasing complexity of fund distribution, adhere to local market practices and facilitate the operational access to the Luxembourg funds.

With Luxembourg funds distributed across the globe and the increasing regulatory focus on investor protection and transparency, the TAs are at the forefront of the regulatory and market challenges and are ideally placed to enable Global Asset Managers to navigate and succeed in their asset retention and asset growth strategy across the globe.

Over the past few years, TAs have adapted their operating models to provide efficient support and deliver innovative solutions for UCITS IV, RDR, AIFMD and now FATCA. Market developments such as Target 2 Securities, are also pushing for more efficient cross-border transactions and settlements. In addition to the evolving regulatory and market developments landscape, investment managers are targeting growth in more countries through ever increasing and diverse distribution channels.

Thanks to these developments, Luxembourg UCITS have more than 24 hours cycle, with the ability to be traded from the opening of the Asian markets, to European markets to the

of economies and in particular, the asset management industry.

Luxembourg UCITS, a recognised brand in Asia, is thus in a privileged position from a "cross-border" fund distribution perspective, nevertheless, in anticipation to three major Asia fund industry developments over the next few years:

- China/Hong Kong Mutual recognition
- **ASEAN fund passport** (Singapore, Malaysia, Thailand)
- APEC fund passport (Singapore, South Korea, Australia, New Zealand)

Today, Luxembourg intends to even further develop its position in this region. Alongside its UCITS, Luxembourg has been exporting its cross border fund operating platform, methodologies and fund industry endeavours. For instance, ALFI established a representative office in Hong Kong in 2010 to support local Luxembourg UCITS' interests; the association has also set up the ALFI TA & Distribution Forum Asia working group. Furthermore, the ALFI roadshows now include roundtables dedicated to Operations subject matters.

One of the latest fund industry trends is "East moving West". Most of the major Chinese banks now have their European headquarter in Luxembourg. The first Luxemburg RQFII was authorised in November 2013. The major jurisdictions in Asia have developed local registration and approvals based on the local and regional markets, and have begun to create their own regional fund passports, prompted, no doubt, by the success of the UCITS product.

With the three different types of fund passports being developed in Asia, all of these are at different stages of realization. However, a few questions remain. Will they sit sideby-side to the UCITS products, or will they replace it? Will there be mutual recognition of UCITS funds as well as Asian pass-portable funds?

At the moment, there are more questions than answers. Nonetheless, at ALFI, we believe that by working together with the Asian regulators, producers and suppliers, we can have a mutually successful future.

Luxembourg UCITS have more than a 24 hour cycle, with the ability to be traded from the opening of the Asian markets, to European markets to the closing of the Americas market in a given day.

## TA Luxembourg – the *Follow the sun* model

The 13th edition of the *International Transfer Agency Summit* is taking place once again in Luxembourg. As a global fund distribution platform, "International" certainly rings true to Luxembourg TAs. It is part of their DNA, particularly of those who support a global cross-border TA platform.

Over the last 12 years, Luxembourg TA providers have established dedicated TA

closing of the Americas market in a given day. This makes the Luxembourg fund, a unique vehicle for the distribution of investment strategies across the globe – a true Follow the Sun global fund distribution model.

## Asia – a UCITS model taking shape from East to West and West to East...

Global Asset Managers and service providers continue to focus on Asia as the region grows and expands at a terrific rate in terms

## A Summary of the Collateral Management Session at the **ISS MAG Summit 2013**



#### **Panelists:**

**Fouad Estephan**, *Director and Senior* Product Manager, Euroclear's Collateral Management and Financing Services

Mathew Keshav Lewis, Vice President, Strategy & Business Development DTCC

Anthony Carey, Executive Vice President, State Street Corporation

Ewen Crawford, Global head of Collateral Management, Nomura

Maximising the efficiency of collateral, optimum margin call frequency and the likely impact of regulation were some of the key issues discussed during the collateral management session of the third annual ISS Magazine Annual Post-trade Technology Summit.

across multiple service providers - be that custodians, central securities depositories (CSDs) or international central securities depositories (ICSDs).

Mathew Keshav Lewis, Vice President, Strategy & Business Development, DTCC suggests that the speed with which collateral can be moved or applied from one location to another is also vital. "Every custodian and collateral management platform faces this connectivity challenge. It almost doesn't matter how much collateral is moving, but rather the velocity at which it moves and the number of transactions that are there to support it."

The question of whether the proposed European financial transaction tax (FTT) would affect the speed of collateral movement was taken up by Anthony Carey, Executive Vice President, State Street Corporation, who referred to some slowdown in the momentum behind FTT. (( If we look at the level of margin calls broadly within stressed periods, the volume doesn't change....daily variation margin calls has broadly existed in OTC for a decade. ? ?

**Ewen Crawford** 

of funding issue because the better you can use the pieces of assets between the different counterparties, the more you can reduce your cost of funding."

An issue that concerns **Carey** is the focus on collateral as it relates to derivative transactions and clearing. "One of the things we also need to keep an eye on is the unfolding Basel III requirements, especially when you look at how they are going to apply to some of the largest banks in terms of liquidity ratios, etc. You are going to have multiple sources looking for the same quality assets to act either as collateral or a liquidity buffer."

When asked whether the market is not already ahead of regulation in terms of self-determining the viability and sustainability of its counterparties, Ewen Crawford, Global Head of Collateral Management, Nomura, suggests that some changes represent an alteration of form of essentially the same risk model.

"If we look at the level of margin calls broadly within stressed periods, the volume doesn't change. There was a regular and active collateralisation and margin process in place and maybe as we move down the curve that process picks up in stressed times, but daily variation margin calls has broadly existed in OTC for a decade."

You are going to have multiple sources looking for the same quality assets to act either as collateral or a liquidity buffer. **Anthony Carey** 

Actions taken by regulators in relation to liquidity risk management and the push for OTC derivatives to be centrally cleared have been widely debated. Fouad Estephan, Director and Senior Product Manager for Euroclear's Collateral Management and Financing Services observes that initial concerns over an asset collateral 'crunch' have abated.

"Central banks can play a role in providing other types of collateral that can be accepted by counterparties and regulators can change their rules. Suddenly firms realised that fragmentation of the pools of assets was the challenge."

The issue is that firms not only hold their assets in different geographical zones but also "However, the group of nations behind the proposed tax [known as the EU11] do seem to be moving towards some degree of consensus on the repo side. Some commentators are saying that if FTT goes through the repo market will dry up, so there is recognition within the EU11 that there is going to have to be some focus on the money market-type instruments and some accommodation made there."

But according to Estephan, simply mobilising assets is not enough. "Even if you bring the assets to the place they should be in order to be used as collateral, you have to optimise their use. So when firms consider the attributes of a service provider, the main one should be a holistic view of assets. Typically, this would also address the cost



It almost doesn't matter how much collateral is moving, but rather the velocity at which it moves and the number of transactions that are there to support it.

**Mathew Keshav Lewis** 

The panel was then asked to consider whether clearing houses could (or should) move to margin calls every 15 minutes over a 20 hour period.

Not without a considerable amount of coordination, suggests **Keshav Lewis**. "Firms would need highly standardized processes and procedures across their entire operational footprint to meet this kind of time frame. Thankfully floating this concept now gives institutions time to consider the implications, the industry standards and the operational changes required."

Carey asks why a clearing house would want to move to such frequency of margin calls. "I am sure there are a lot of people who could argue the justification for that, but even in a highly stressed market do you get to a point where the significance of change would actually justify such frequency? Should that happen the only way one could deal with it is through moving towards standardisation and reputable operational process."

Crawford reckons the market is "not a million miles away from that process today" in terms of intraday calls but accepts that getting the right asset to the right place on an intraday basis raises the stakes around operational challenges.

Estephan is more welcoming of this potential change. "We have a process that is fully automated because we are using the assets that sit on our books and can cope with this type of frequency thanks to the model that we have in place. Technically and operationally everything is possible if you are in a closed environment and that is the point of tri-party agents."

On the question of which regulation is causing most concern, **Carey** refers to the potential impact of the new European securities settlement engine T2S.

"I really think it is going to have a significant impact from the global custodian to the sub custodians to the CSDs. Security settlement is going to become a commodity and then what we are going to have is what was there before the distinct lines between the CSD and the custodian around asset servicing started getting blurred. We are going to see the CSDs come further up the value chain in looking to provide services in that area.

"Each custodian will be looking at having their own participation account because of the benefits of centralisation and also efficiency on the cash pooling side. There will be more of a focus on custodians (at least in the bigger markets) doing self-custody - I think they are going to move away from being 100% focused on the sub custodial agent. There is also going to be some consolidation of the smaller markets where custodians are going to pick agents who can go across a number of these individual markets."

independent amount of initial margin and the bilateral posting process.

"There is the potential for a hugely painful repapering process across the whole of our OTC master client set. There is also the risk (or possibly opportunity) that regional regulators will take the IOSCO paper and interpret it in subtly different ways, creating regulatory arbitrage. There are possible drivers to a more standard CSA-like model, which is actually more efficient from a cash perspective, but probably where there are ten, twenty times more calls."

The discussion then moved to consolidation and the fact that one of the difficulties facing the utilities serving custodians is that they have volume at one end for which there may be a slightly different pricing to the very low volume at the other end, which creates a challenge around fee structures.

When asked whether AIFMD and depository liability were concerns, Carey says that they are not necessarily new issues to be considered. "Obviously AIFMD has been here a while and each custodial bank has deliberated as to how it is going to address this. For some it is a combination of getting more active in terms of self-custody in markets as opposed to being one step removed from the CSD, while others are very much focused on the application of oversight policies such as they have had with network management, applying them to quasi-sub custodial agents like brokers."

He concludes that most market participants have identified how they are going to go

I really think ... T2S.. is going to have a significant impact from the global custodian to the sub custodians to the CSDs. Security settlement is going to become a commodity.

Anthony Carey

**Keshav Lewis** adds that T2S is seeing some custodians consider becoming CSDs and also has CSDs thinking about offering traditional custody services and even administrative services.

"It has local custodians thinking about their own jurisdiction, so you end up with a very significant threat of fragmentation which locks collateral into a given jurisdiction and makes it much more challenging to mobilise it when required."

Specifically in the sphere of OTC collateral (and not withstanding elements moving to clearing), **Crawford** is exercised by the International Organization of Securities Commissions (IOSCO) paper on segregated

about addressing these issues, while adding that those who haven't will have problems. "What would be a concern is to make sure that there is recognition as to what is a reasonable cost to pay to your custodian for that additional responsibility and that we don't get a race to the bottom in terms of fees. I think that is the danger at the moment."

**ISS MAG Summit 2013** 

# A Report from the Developments in Messaging Panel



#### **Panelists:**

**Martin Sexton**, Principal Consultant London Market Systems

**Fiona Hamilton**, Vice President Emea Volante Technologies

**Paul Taylor**, Director Global Matching Swift

**Chris Pickles**, Head of Industry Initiatives, Global Banking and Financial Markets Bt

**Tim Fox**, product Manager, Avox

The importance of a single messaging standard and the desirability (or otherwise) of introducing new standards were two of the main subjects of debate during the developments in message session of the ISS Magazine Annual Post-trade Technology Summit.

The question of whether new standards are necessary to increase affirmation rates – or whether that objective could be achieved through wider adoption of existing standards – is a frequent topic of conversation at industry events.

Martin Sexton, Principle Consultant, London Market Systems, refers to the 2008 investment roadmap (a collaboration by Financial Products Markup Language/International Swaps and Derivatives Association (FpML/

Trades.. fail because there is something fundamentally wrong with the way the trade has been booked, producing a difference in date or quantity.

**Paul Taylor** 

((It is a strange environment when you consider that we have had exchanges for 500 years and we still haven't got to the stage where they are doing something as simple as sharing the same technology approaches.))

**Chris Pickles** 

ISDA), Financial Information eXchange (FIX) protocol Ltd (FPL), the International Securities Association for Institutional Trade Communication (ISITC) and Society for Worldwide Interbank Financial Telecommunication (Swift)) as a basis for industry collaboration.

"I think it provides an opportunity for new organisations coming into the industry to deploy those standards. You will find some of the banks in eastern Europe, for example, adopting industry standards more openly than in the mature markets."

However, **Fiona Hamilton**, Vice President EMEA Volante Technologies is less convinced of its value. "I think the reasoning behind the roadmap was very good. One of the reasons it has tailed off a bit is that most of the people that work on the FIX protocol or



FpML have day jobs and sponsorship of such initiatives has declined. Also, in all my years in standards there has been a 'my standard is better than your standard' attitude."

Affirmation differs dependent on segment and asset class - certain parts of the industry are better at affirming trades than others, says **Paul Taylor**, Director Global Matching, Swift. "If you look at hedge funds as an example, they are not particularly progressed in terms of affirmation of cash equity trades, whereas for asset classes where you are mandated to try to electronically confirm trades you will find affirmation rates start to increase, or perhaps they are already pretty healthy."

A standard is more than just a messaging standard; it is a business standard that has to be related to the process, he continues. "Education is great in terms of making sure that new users have a roadmap to work from, but we need to try and move that and educate people in terms of the benefits they get from the standardisation of business process, not just messaging." past

Chris Pickles, Head of Industry Initiatives, Global Banking & Financial Markets, BT is convinced that additional standards are not required and supports the use of ISO data standards where possible. He also dismisses the notion that FIX is about pre-trade equity. "That is one thing it is used for but firms around the world are using it across all asset classes, right the way through to clearing."

According to **Hamilton**, the syntax of what you are communicating should not matter. "The real issues about whether it is affirmation rates or settlement failures or anything else are the quality of the data and being able to get the data and communicate

it. The reason things don't get affirmed or settlements fail is not because of people - it is usually because you don't have the information to send the affirmation details at the point where you need to do them. It is about taking all that data and integrating it into a chain. The problem is, can you get all of that information from the disparate trading systems, order management systems, etc.?"

Trades don't fail because you have a different message standard - they fail because there is something fundamentally wrong with the way the trade has been booked, producing a difference in date or quantity, says Taylor.

"The problem with using multiple different protocols from a bank or community perspective is that you have to have lots of



((In all my years in standards there has been a 'my standard is better than your standard' attitude.)

**Fiona Hamilton** 

different technology handling all of these different elements. Obviously there are some people in the community that provide technology in order to get around that problem, but I would argue that there is potentially a barrier to entry problem in terms of people using different standards, models and processes. I think it comes down to a desire to invest and if you are going to invest then you just need to decide in which way."

Front, middle and back office have hugely different pressures of latency, Hamilton adds. "If you are trying to trade you really don't want to have messages that are twenty times bigger than they need to be because they have to be binary, encoded etc. In an ideal world it would just be one standard that does everything, but there are reasons why people come up with different standards - they see a deficiency. If it was only about adding more information, you could infinitely change your ISO 15022 messages to have as many fields and subfields as you wanted. That is not why people create standards; it is usually to address a particular need in an area like latency."

The panel were then asked how institutions can use existing standards across their organisation to improve their internal STP rate - the concept of one computer system being able to speak to another owned by the same organisation.

"I think the unfortunate fact is that there has been so much expansion and acquisition over the years at banks that you very likely have a whole bunch of systems layered on top of one another," says **Tim Fox**, Product Manager, Avox. "At banks where I have worked we have had as many as 230, 240 different systems hooking together in some way. A large proportion of investment budgets is being sucked up by regulation and unless the bank has a different way that I can't think of in terms of being able to combine all of that systemic infrastructure, they are going to have to live with it until they can get some budget to start system consolidation."

Taylor observes that most of the financial institutions he has worked at have gone down the FpML route. "Others have used ISO 20022 and the fun starts when you have one part of the organisation using FpML and the other using ISO 20022. One of the things I have come across at all the institutions that have gone down that standards route is an extension mechanism so that built in to the standards are effectively covert channels."

"What tends to happen is that a lot of the developers can't necessarily develop their feeds because the data dictionary is not properly documented, so they dump the piece code into an extension mechanism within the standard. One of the things I would like to see from all industry standards (including ISO 20022) is two 'flavours' - one with the extension model assuming cleansed data and a second with no extension mechanism designed within it, as something that actually allows you to do proper validation."

**Hamilton** reckons the application vendors, the people who are supplying order management systems, trading systems,

portfolio management and settlement systems need to be as open as most of the standards bodies are about how their data looks.

"Tell us what these data elements are like, which then should (in an open community) allow other third parties, consultants with people with subject matter expertise to say, 'I can define how these dead elements map to the FIX world, the Swift world, etc.' Application vendors have to wake up and think, 'Is it intellectual property for me to just go, 'Here is how I represent an equity trade in my system?' I don't think it is. If they were more open, it opens the door for people to have off the shelf functionality, which would lead to more rapid implementation and greater agility."

Taylor refers to an emerging trend of mutualisation of costs and shared services and expects this to intensify. "Whilst few institutions can spend however much their individual cost is to collapse all of these systems, what we are seeing is an understanding that there are certain areas in which competition is pointless. From an operations perspective, just because you have got the best settlement team on the street, does that really mean anything? Probably not."

At banks where I have worked we have had as many as 230, 240 different systems hooking together in some way.

Sharing has enormous cost saving potential, agrees **Pickles**. "It is a strange environment when you consider that we have had exchanges for 500 years and we still haven't got to the stage where they are doing something as simple as sharing the same technology approaches."

"There are about six organisations in the financial sector that are key to a national market - the central bank, the other market regulators, the stock exchange, a derivatives exchange, a CSD and a CCP," he concludes. "If those organisations started to look at how they could consider themselves as application providers and decided to work on a way that those services could be shared more effectively, you would hammer down the cost of operations across firms."

# A Report from the Trade Life Cycle Session at the ISS MAG 2013 Summit

# **Panelists:**

Paribas

Lee Burman, European Head of Market Infrastructure, Morgan Stanley Alan Cameron, Head of Global Strategic Uk Broker Dealers and Bank Relationship Management Teams BNP

**Anthony Cole**, Head of Sales and Marketing London Stock Exchange Group

Recent and forthcoming changes to the posttrade environment meant that participants in the trade life cycle session of the ISS Magazine Annual Post-trade Technology Summit had plenty to discuss.

The first topic of discussion was potential structural changes to the settlement sector, with **Lee Burman**, European Head of Market Infrastructure Morgan Stanley suggesting that after many years when operations were a bit of an afterthought, there is now much more dialogue with the business unit.

"On the operations side, you are looking at large scale projects that fundamentally alter the way we do business. There are huge change management programmes going COn the operations side, you are looking at large scale projects that fundamentally alter the way we do business. Lee Burman, Morgan Stanley

According to **Alan Cameron**, Head of Global Strategic UK Broker-Dealers and Bank Relationship Management Teams BNP Paribas, infrastructure consolidation is inevitable if Europe is going to have more efficient and robust capital markets.

"There are a number of things happening that will make that possible in the future. Once CSDs become interoperable, combining that with what will come in with the Central Securities Depository Regulation (CSDR) where issuers will be able to choose where they issue their securities will give a lot of freedom. We are seeing consolidation at last in the CCP area, but there are also new CCPs emerging."

The post-trade world can learn a lot from what has happened over the last 10-20 years in pre-trade, says **Anthony Cole**, Head of Sales and Marketing London Stock Exchange Group. "It is about standards, an event driven approach rather than a database, a data-

However it is implemented, **Cameron** is convinced of the benefits. "We have made great progress in reducing settlement risk with DVP. Pre-settlement risk is still there so cutting it from three to two days will give us harmonisation with the FX markets and move us more in line with what is happening in Asia and ultimately the US. The sell side firms are fully engaged with it – I am not so sure that is true on the buy side."

When asked to assess the impact of T2S, **Burman** refers to lower cross border settlement costs but adds that there will still be a place for national CSDs. "T2S was meant to become the unified book of record for European settlement and now there are all kinds of arguments about when that settlement is going to actually occur. We see a lot of national fragmentation and it is more expensive."

((The answer is to look for infrastructure interoperability and regulatory changes that allow people to choose where to put their business.))

Alan Cameron, BNP Paribas

on and we have to have a lot of oversight in terms of where our dollars are being spent, what the return on investment looks like and how it shapes the future of the firm. Whether it is in the financial markets side or the payments side, people are starting to recognise that back office functions are what keep the business going."

centric approach and increasingly real time."

**Burman** explains how his IT and operations teams have different approaches to T+2, with IT wanting to change everything over a weekend while operations prefers a phased changeover because of the potential for more fails among non-automated clients.



Risk isn't being removed from the system but rather being moved on to another player, he continues. "We need to have recovery and resolution protocols in place. It has been interesting to see how quickly everybody has got on board with this and the change that we are already seeing in the marketplace. There is some talk about the variation margin being met by assets rather than cash on the buy side - that could be a very big change for everybody and a bonus for us in terms of the extra collateral we need to find."

Burman describes having a clear view of all your liquidity minute-to-minute as a key development. "Interoperability is not just about Europe anymore – it is about trying to link us up to a JGB (Japanese government bond) book in Tokyo, about being able to link to Brazil, Canada, the US to exploit the ability that we have in those collateral pools to meet our requirements and meet them quickly so that we have an understanding of how many assets we have to trade with."

The answer is to look for infrastructure interoperability and regulatory changes that allow people to choose where to put their business, says **Cameron**. "It is important that these infrastructures become more robust as well as more efficient. They should become more robust because settlement will be in

needs to have more efficient capital markets and be able to connect the firms raising money with the capital suppliers."

"There is a huge role there for the CSDs to play in being a link between the corporate world and the financial world. With more things going through central clearing, with more needs for collateral and where that collateral is actually going to reside at the CSDs, you could be building up some large concentration risk which needs to be managed."

One of the interesting things about CSDR, according to **Cole**, is that it put on the table the subject of T+2 and everyone was saying, 'This is going to be in it.' "The industry looked at it and thought, 'We don't have to wait for CSDR to do this.' When we looked at the scheduling, in fact we couldn't wait. The impact of what you are thinking is going to be in regulation happens, in this case, before the regulation actually takes effect."

He believes that one of the most interesting things about T2S is whether large firms will be able to use it to take more control of their own settlements. "If they do that, how is the asset servicing going to happen? A lot of firms thought at the beginning that this was something that they could get in place before

The worst thing would be for all the CSDs to think that they can become something that they can't and to spend a great deal of money on it and for that cost to be passed onto the users.

Lee Burman, Morgan Stanley



You read predictions of doomsday scenarios for fixed income trading where the amount of capital that will have to put aside for that will be so huge that things could dramatically change.

**Anthony Cole, LSEG** 

central bank money and you will have auto-collateralisation."

There are two major risks about what happens to CSDs in the future, says **Burman**. "The first is that they build businesses that nobody needs. We have seen the global custody business in Europe become a graveyard for suppliers over the years. The banks that built global custody businesses based on local market franchises all ultimately gave up because they couldn't get the scale that they needed. The worst thing would be for all the CSDs to think that they can become something that they can't and to spend a great deal of money on it and for that cost to be passed onto the users of their monopoly services."

The other danger is that they end up doing more risky things. "We are forced to have risk in CSDs, but we want it to be a risk on a CSD doing something we know and understand. This is why CSDR is so important. If Europe is to be revitalised, it

T2S. Now, most of are thinking 'We have probably just missed that one. We don't want to do it during the conversion periods, so it is maybe something we want to get in place after T2S.' There will be a huge amount of work going on across that over the next three years and then there will be remedial work."

The other big impact coming down the line is the amount of capital that firms will have to put aside for their various activities with Basel III and this is being interpreted differently in each market. "It is hard to know what impact that will have," acknowledges Cole. "You read predictions of doomsday scenarios for fixed income trading where the amount of capital that will have to put aside for that will be so huge that things could dramatically change."

"Luckily we have managed to convince regulators that repo trades are necessary to the functioning of capital markets. This is why we need this two-way conversation with the regulatory bodies - the last thing we want is to handicap the fragile recovery that we are currently seeing through some regulatory issue."

On the question of whether regulators play an active role at a national level, **Burman** observes that regulators in the UK appear to be in the vanguard of standards setting.

"When you look at interpretation and what it is doing around Basel III and views on liquidity, London is a centre of leadership and excellence and the FCA has been at the vanguard of trying to make sure that the regulations are enacted in the right way. It is going to be fascinating to see how this plays out because where you have different interpretations, it makes things more difficult. We want certainty and ESMA is heading in the right direction."

However, the really big changes don't just come from regulation, he concludes. "For example, T2S is a project. It is about a change of mindset."

# The International Securities Services Q4 2014 Global Directory and Survey of Service **Providers and Technology Vendors**

## **NORTH AMERICA**

## **BERMUDA**

BERMUDA STOCK EXCHANGE AND BERMUDA SECURITIES DEPOSITORY

www.bsx.com

# **SERVICE PROVIDERS** APEX FUND SERVICES

+1 441-292-2739

Address: 31 Reid Street, Hamilton, Bermuda,

HM11

www.apex.bm

#### **BUTTERFIELD TRUST BERMUDA LTD**

May W.O'Mara Vice President

may.omara@butterfieldgroup.com Email: Address: P.O.Box HM 195, Hamilton, HMAX,

Bermuda

Web: www.butterfieldbank.com

# **HSBC**

# Craig Perry

Head of Sub-Custody and Clearing Bermuda

Tel· + 1 (1) 441 2996 938 craig.perry@bob.hsbc.com **Email:** 

Web: www.hsbcnet.com

Address: HSBC Bank Bermuda Limited,

2nd Floor, 6 Front Street, Hamilton,

Bermuda

# CANADA

Web:

# TORONTO STOCK EXCHANGE

Tel: (416) 947-4670 Tel: (888) 873-8392

Address: The Exchange Tower, 130 King Street

West, Toronto, ON, M5X 1J2 www.tmx.com/en/index.html

# CDS CLEARING AND DEPOSITORY SERVICES INC

Tel· 416 365 8400 Fax: 416.365.0842

85 Richmond Street West, Toronto, ON, Address:

www.cds.ca/cdsclearinghome.nsf/Pages/-

EN-Welcome?Open

# SERVICE PROVIDERS

# CIBC MELLON

# Barbara Barrow

Vice President, Business Development

Tel: 416-643-6361 Fax: 416-643-6409

Email: barbara\_barrow@cibcmellon.com 320 Bay Street, P.O. Box 1 Toronto,

Ontario M5H 4A6 Canada www.cibcmellon.com

# Web: CITI

Ajmal Asif

Securities Country Manager +1 416 947 5444 Tel: aimal.asif@citi.com Address: 123 Front St West, Toronto, Ontario,

M5I2M2

www.citigroup.com

# **TECHNOLOGY VENDORS** 4SIGHT FINANCIAL SOFTWARE

#### Mark Mackinnon

Desk Head, North American General Manager

+ 416 548 7920

mark.mackinnon@4sight.com Address: 357 Bay Street, Toronto, M5H 2T7

Web: www.4sight.com

#### **CLARITY SYSTEMS**

Tel: +1 416 2505500

Address: 2 Sheppard Avenue East, Suite 800, M2N

5Y7, Toronto, Ontario

Web: www.claritysystems.com

#### **COPP CLARK LIMITED**

+ 1 905 8898458

Address: 113 Babcombe Drive, L3T 1M9,

Thornhill, Ontario www.coppclark.com

# **EXPERTUS**

Web:

Tel:

Address: 2055 Peel, Suite 260, H3A 1V4,

Montréal, Québec, Canada

Web: www.expertus.ca

# **SMARTSTREAM TECHNOLOGIES**

Tel: +1 416 921 5000

Suite 400, 1235 Bay St, Toronto, ON Address:

M5R 3K4, Canada

# **CAYMAN ISLANDS**

# **EDUCATION AND TRAINING**

# UNIVERSITY COLLEGE OF THE CAYMAN **ISLANDS**

Tel· (345)-623-8224

Address: 168 Olympic Way, P.O. Box 702,

Georgetown, Grand Cayman, KY1-1107,

Cavman Islands www.ucci.edu.ky

# **JAMAICA**

# JAMAICA STOCK EXCHANGE

Tel: (876) 967- 3271 (876) 922 - 6966 Fax:

Address: 40 Harbour Street, Kingston, Jamaica Web: www.jamstockex.com/index.php

# USA

# THE DEPOSITORY TRUST COMPANY (DTC)

Web: www.dtc.org/dtcpublic/html/lob2/

# NATIONAL SECURITIES CLEARING

**CORPORATION (NSCC)** 

www.dtcc.com/about/subs/nscc.php Web:

# FIXED INCOME CLEARING CORPORATION

(FICC)

Web: www.dtcc.com/about/subs/ficc.php

### **Janet McGrath**

+1 646 835 5400 Tel:

Email: newyork.clientservice@euroclear.com Address: 40 Wall Street, 39th floor, New York,

N.Y., 10005, United States of America

#### CCP/CLEARING

# **EUREX CLEARING**

**Byron Baldwin** 

+1-212 3 09-93 07 Address: New York, USA

byron.baldwin@eurexchange.com Email:

#### Marcelo Gualda

Tel: +1 (212) 750-4197 Email: mgualda@bvmf.com.br

Address: 61 Broadway, 26th Floor, Suite 2605, New

York, NY 10006

## SERVICE PROVIDERS

## BANK OF AMERICA MERRILL LYNCH

## North America William Stanton

Bank of America Merrill Lynch

1.646.855.2802 Tel: Mail Code: Ny1-100-34-05

Address: Bank Of America Tower, One Bryant

Park, New York Ny 10036

Thomas Avazian

Bank of America Merrill Lynch 1.305.347.2806 FL7-410-06-07 Mail Code:

Address: Bank Of America, 701 Brickell Ave,

Miami Fl 33131

# **BNP PARIBAS SECURITIES SERVICES**

# Christina Feicht

Tel: 1 212 841 2096

christina.feicht@bnpparibas.com **Email:** Address: 787 Seventh Avenue, 30th Floor, New

York City, NY

www.bnpparibas.com

# **BNY MELLON**

# Joseph Keenan

Managing Director, Sales - Investor Services,

Americas

Tel: +1 212 635 7150 jkeenan@email.bony.com Email:

Address: One Wall Street, 25th Floor, New York,

NY 10286

Web: www.bankofny.com

# **BROWN BROTHERS HARRIMAN**

Partner and Head of Investor Services Europe

Tel: +1 212 483 1818 andrew.tucker@bbh.com Email: Address: 40 Water St. Boston, MA 02109, United States

www.bbh.com

CITI

Craig Dudsak

Managing Director in Product Management

+1 212 816 6529 Tel: +1 212 816 6512 Fax: craig.s.dudsak@citi.com Email:

Address: 388 Greenwich Street/14th Floor, New

York, New York 10013 Web: www.citigroup.com

**HSBC** 

Paulomi Shah

Head of HSBC Securities Services, Americas

212-525-6318 Tel:

Email: paulomi.shah@us.hsbc.com Address: HSBC BANK USA, N.A., 452 5th Avenue, New York, NY 10018 Web: www.hsbcnet.com/hss

J.P.MORGAN

**Christopher Lynch** Managing Director +1 212 552 2938 Tel:

**Email:** christopher.lynch@jpmorgan.com 1 Chase Manhattan Plaza, 19th floor, Address:

NYC 10005-1401 Web: www.jpmorgan.com

**MJE ADVISORS** 

Barry Emen President

Tel: 973-765-9400 barry@mjeadvisors.com Email:

**TECHNOLOGY VENDORS** 

ACI WORLDWIDE

+1 (617) 7977700

Web: http://www.aciworldwide.com/ Address: 320 Nevada Street, Newton,

Massachusetts, 02460 USA

**ALERI** 

+1 312 5400100 Tel:

Address: 2 Prudential Plaza, 41st Floor, 60601,

Chicago, Illinois, United States

Web: www.aleri.com

ASSET CONTROL

Tel: + 1 212 4451076

1450 Broadway, 19th Floor, 10018, New Address:

> York, United States www.asset-control.com

Web: AT&T

Tel: +1 800 4220499

208 S. Akard St., TX 75202-2233, Dallas, Address:

United States

Web: www.att.com/business

Tel: + 1 415 2779900

Address: 333 Bush Street, 26th Floor, 94104, San

Francisco, CA, United States

www.bankserv.com/products/corporate-Web:

overview.html

**BONAIRE - A BROADRIDGE COMPANY** 

1-617-338-0107

Address: 320 Congress Street, 7th Floor, Boston,

MA 02210 USA

For Sales Information Contact:

Scott Fitzpatrick

Bonaire Software Solutions, LLC

Vice President - Sales

1-617-338-0107 ext. 116 Tel: 1-617-338-9846 Fax:

sfitzpatrick@bonairesoft.com Email: or sales@bonairesoft.com

For General Information Contact:

Tel. 1-617-338-0107 Email: info@bonairesoft.com

**BONDLEND** 

1 (212) 901 2200

17 State Street, New York, NY 10004 Address:

Web: info@bondlend.com

Tel: +1 603 4360700

325 Corporate Drive, 03801, Portsmouth, Address:

New Hampshire, United States www.bottomline.com/banking

Web: **CALYPSO TECHNOLOGY** 

**BOTTOMLINE TECHNOLOGIES** 

Tel: +1 212 9050705

Address: 595 Market Street, 94105, San Francisco,

> CA, United States www.calypso.com

**CAPGEMINI FINANCIAL SERVICES** 

Tel: +1 847 3846100

Address: 6400 Shafer Court, 60018, Rosemont, IL,

United States

Web: www.capgemini.com/financialservices

**CHI-TECH** 

Web:

Tel: 212.310.3900

Web: www.chi-x.com/sub\_pages.asp?pid=35

**COMPLEX SYSTEMS INC. (CSI)** 

Tel: + 1 201 4353251

Address: 1 Exchange Place 8th Floor, 07304, Jersey

City, NJ, United States

Web: www.banktrade.com

**CORRELIX WORLDWIDE HEADQUARTERS** 

Tel· +1 212 487 9626

Address: 100 William Street, Suite 305, New York,

NY 10038, United States

Web: www.correlix.com

DATALEND

+1 212 901 2200 Tel:

Address: 317 State Street, New York, NY 10004

USA

Email: info@datalend.com

DOVETAIL

Tel: +973 882 9922

130 Clinton Road, 07004, Fairfield, New Address:

> Jersey, United States www.dovetailsystems.com

Web:

**EQUILEND** 

Tel: +1 212 901 2200 Email: info@equilend.com

Address: 17 State Street, New York, NY 10004

Web: www.equilend.com

**EQUINIX, INC** 

One Lagoon Drive

4th Floor

Redwood City, CA 94065

United States

+1 650 598 6000 Tel: Web: www.equinix.com

**EOUIPOS INC** 

Headquarters, North America

+1 617 273 8033 Tel:

Address: 470 Atlantic Avenue (4th Floor), Boston MA 02210, United States

Web: www.equiposgroup.com

ICO

Tel:

Address: 901 Marquette Avenue, Suite 3200,

55402, Minneapolis, MN, United States

Web: www.fico.com FISERV

+262 8795000

255FiservDrive, 53045, Brookfield WI, Address:

United States

FLEXTRADE SYSTEMS, INC.

Tel: +1 516 627 8993

Address: 111 Great Neck Road, Suite 314, Great

Neck, NY 11021, United States

Web: www.flextrade.com

**FTEN** 

Tel: +1 (212) 808-8440

Address: One Liberty Plaza, 50th Floor, New York,

NY 10006, United States

Web: www.ften.com

**FUNDTECH CORPORATION** 

+1 201 2156556 Tel: Address: 30 Montgomery Street, Suite 501, 07302,

Jersey City, New Jersey, United States

Web: www.fundtech.com

**GLOBETAX** 

+ 1 212 7479100 Tel:

90 Broad Street, 10004, New York, NY, Address:

United States

Web: www.globetax.com

**GOLDEN SOURCE** 

Tel: + 44 20 79776000

22 Cortlandt Street, NY 10007, New Address:

York, United States

Web: www.thegoldensource.com

IBM

Tel: +1 914 4991900

1 New Orchard Road, 10504-1722, Address:

Armonk, New York, United States

www.ibm.com/banking Web:

INFOREACH, INC.

+1 212 269 2722 Tel:

Address: 48 Wall Street, 11th Floor, New York, NY

10005, United States

Web: www.inforeachinc.com

ISIS FINANCIAL SYSTEMS

+1781-209-0262 Tel:

14 Felton Street, Waltham, United States,

02453 Web: www.isisFS.com

INVESTMENT TECHNOLOGY GROUP

**Company Headquarters** 

+1.212.588.4000

380 Madison Avenue, 4th floor, New Address. York, NY 10017, United States

Web: www.itg.com

**KOGER** 

Address:

+1-201-291-7747

Address: 12 Route 17 North, Suite 111, Paramus,

United States, NJ, 07652

www.kogerusa.com Web:

LIQUIDNET, INC.

+1-646-674-2000 Tel: Address: 498 Seventh Avenue, 15th floor, New

> York, NY 10018, United States www.liquidnet.com

Web: MARKIT

Tel: 212-205-7110

markit.com/securitiesfinance Web: Address: 620 8th Avenue, USA

**METABIT** 

+1 212.656.3000 Tel:

Address: NYSE Technologies, NYSE Euronext, 11

Wall Street, New York, NY 10005, United

States

Web: www.nysetechnologies.nyx.com/metabit

MICROSOFT CORPORATION

Tel: + 425 882 8080

Address: One Microsoft Way, 98052, Redmond,

WA, United States

Web www.microsoft.com/financialservices

MILLENNIUM IT (USA) INC

Tel: +1 617 444 8480

Address: 245 First Street, 18th Floor, Cambridge, MA 02142, United States

Web www.milleniumit.com

MONTRAN CORPORATION

+ 1 212 6845214

Address: 60 East 42nd Street, Suite 464, 100165,

New York, United States www.montran.com

Web: MSCI

Tel 1.888.588.4567

One Chase Manhattan Plaza, 44th Floor, Address:

New York, NY 10005, United States

Web: www.msci.com

**NORMAN TECHNOLOGIES** 

Tel: + 1 704 8960128

Address: 630 Davidson Gateway Drive, Suite 250,

28036, Davidson, North Carolina, United

States

Web: www.normantech.com

**ONEMARKET DATA** 

Tel: +1 201 710 5977

Address: Baker Waterfront Plaza, 2 Hudson Place,

Suite 100, Hoboken, NJ 07030, United

States

Web: www.onetick.com

ORACLE

Tel + 1 650 5067000

500 Oracle Parkway, 94065, Redwood Address:

Shores, CA, United States

Web: www.oracle.com **PEGASYSTEMS INC** 

Tel: 1 617 3749600

Address: 101 Main Street, 02142, Cambridge, MA,

United States

Web: www.pega.com

PINNACLE SOLUTIONS INCORPORATED

Tel: + 1 973 2580909

673 Morris Avenue, 07081, Springfield, Address:

New Jersey, United States

Web: www.psi-nj.com

**PORTWARE** 

Tel: +1.212.425.5233

Address: 233 Broadway, 24thFloor, New York, NY

10279, United States

Web: www.portware.com

PRAGMA

Tel: 212.897.0940

Address: 360 Park Avenue South, 20th Floor, New

York, NY 10010, United States Web www.pragmatrading.com

PRINCETON FINANCIAL SYSTEMS, LLC

+1.609.987.2400 Tel:

600 College Road East, Princeton, NJ Address:

08540, United States

Web: www.pfs.com

PROGRESS SOFTWARE CORPORATION

Tel: 1-781-280-4000 Tel:

1-800-477-6473 (Toll Free)

Address: 14 Oak Park Drive, Bedford, MA 01730,

Web: www.progress.com

REDI2

Address: 1771 Broadway

Oakland, CA 94612

United States

Tel: +1 (510) 834-7334 Web: www.redi2.com

REALTICK

Tel: +44 (0) 20 7786 5080

Web: www.realtick.com

**RIMES** 

+1 212 334 6866 Tel:

Address: 84 Wooster Street, New York, NY 10012,,

United States Web: www.rimes.com

SAFENET, INC

+ 443 327 1178 Tel.

4690 Millennium Drive, 21017, Belcamp, Address:

MD, United States

Web: www.safenet-inc.com

**SMARTSTREAM TECHNOLOGIES** 

Tel: +1 212 763 6500

Address: 61 Broadway, Suite 710, New York, NY

10006, USA

Address: 2025 Gateway Place, Suite 238, San Jose,

CA 95110, USA

STERLING COMMERCE

Tel: +1 800 8769772

4600 Lakehurst Court, PO Box 8000, Address:

43016-2000, Dublin, Ohio, United States

Web: www.sterlingcommerce.com

**SYBASE INC** 

+ 1 925 2365000 Tel:

Address: One Sybase Drive, 94568, Dublin,

California, United States

Web: www.svbase.com/fsi

TETHYS TECHNOLOGY, INC. +1 212-509-5600 Tel:

Address: 17 Battery Place, 7th floor, New York, NY

10004, United States

Web: www.tethystech.com

THOMSON REUTERS

1 646.223.4000 Tel: Address: 3 Times Square, New York, NY 10036,

United States

Web: www.thomsonreuters.com

VOLANTE TECHNOLOGIES

Tel: +1 (212) 905-6231

Address: 41 East 11th Street, 11th Floor, New York, NY 10003

Tel: +1 (908) 810-0220

2386 Morris Ave, 2nd Floor, Union, NJ

07083

**LATIN AMERICA** 

**ARGENTINA** 

MERCADO DE VALORES (MERVAL)

(54 11) 6000 4316 Tel/Fax:

Address: Market of Buenos Aires SA (Nasdaq), 25 May 359, floor 8°, 9° and 10°

(C1002ABG) Buenos Aires Argentina Web: www.merval.sba.com . ar

**BUENOS AIRES STOCK EXCHANGE** 

www.bcba.sba.com.ar/home/index.php

SERVICE PROVIDERS

BANCO ITAÚ

Alexis Marcarian

Securities Services Manager 54 11 4378 8406 Tel:

alexis.marcarian@itau.com.ar **Email:** 

Address: Cerrito 740, 4 floor C1010AAP, Buenos

Aires

Web: www.bankboston.com.ar

BANCO SANTANDER RIO

Head of Custody & Securities Services, Argentina

Tel: (+54) 11 4341 1318

smartin@santanderrio.com.ar Email: Address: Bartolomé Mitre, 480 Piso 8 Buenos

Aires, Argentina

Web: www.santanderrio.com.ar

CITI

Raul Paterno

Securities Country Manager Tel: +54 11 4329 1463 Email: raul.paterno@citi.com

Bartolomé Mitre 530, 1036AAJ Buenos Address:

Aires Argentina Web: www.citigroup.com

**DEUTSCHE BANK** 

Carlos Pinevro

Head of Product & Client Management

Tel: 54 11 4590 2864 Fax: 54 11 4590 2990 Email:c

arlos.pineyro@db.com Address: Tucumán 1 - 14th Floor, (C1049AAA)

> C.A.B.A., Argentina www.tss.db.com

Web: **HSBC** 

**Hugo Arbat** 

Head of Custody and Clearing Tel: 54 11 4344 3317

Email: hugo.arbat@hsbc.com.ar HSBC Bank Argentina S.A., Bouchard Address:

680, 9th. Floor, C1106ABJ Buenos Aires,

Argentina Web: www.hsbcnet.com/hss

STANDARD BANK ARGENTINA S.A.

Valeria Nagel Team leader of TPS & Sales

Tel: 5411 4820 2116 Email: valeria.nagel@standardbank.com.ar

Della Paolera 265 – 14 floor, 1001 Buenos Address:

Aires Web: www.standardbank.com.ar

**BOLIVIA** 

**BOLSA BOLIVIANA DE VALORES SA** 

(591-2) 2442308

www.bbv.com.bo/

No. 142 Central Street PO Box: 12521 Tel pilot: (591-2) 2443232

La Paz - Bolivia

**BRAZIL** 

Fax:

Web:

**BM&FBOVESPA** 

New York

Marcelo Gualda Tel: 212-750-4197

mgualda@bvmf.com.br **Email:** Address: 61 Broadway, 26th Floor, Suite 2605,

10006 www.bmfbovespa.com Web:

**XANGAI** 

Helen Yao Tel:

86-21-5037-2886 Email: hyao@bvmf.com.br Address: 200 Yincheng (M) Rd, Suite 404, Pudong

New Area, 200120

SÃO PAULO

**International Business Development Department** 

Tel: 55-11-2565-7846

Address: Praça Antonio Prado, 48, Rua XV de

Novembro, 275, CEP: 01010-010

Tel: 55 21 2223-9600

Address: Rua do Mercado, 11 - Centro, CEP:

20010-120

**CETIP** 

São Paulo

Tel: (11) 4152.9370 (11) 3336.7310 Email: atendimento@cetip.com.br

Address: Av. Brigadeiro Faria Lima, 1663, 1º andar,

Jardim Paulistano São Paulo - SP, CEP: 01452-001

Alphaville

Address: Av. Dr. Dib Sauaia Neto, 227, Centro de

Apoio I - Alphaville, Santana de Parnaíba - SP, CEP: 06541-010

Rio de Ianeiro

Address: Av. República do Chile, 230, 11º andar, Centro - Rio de Janeiro/RJ, CEP: 20031-

**SERVICE PROVIDERS** 

BANCO BRADESCO S.A.

Edson Franca de Avellar Filho

Head of Product Management 55 11 3684 7979 Tel:

Email: 4010.eavellar@bradesco.com.br

Cidade de Deus, Predio Amarelo, 2 Address: andar, Osasco-SP, Brasil -06029-900

Web: www.bradesco.com.br/

BANCO ITAU UNIBANCO S.A.

Lai Ling

Head of International Securities Solutions

Tel: 55-11-2797-1839 Fax: 55-11-2797-4194

lai.ling@itau-unibanco.com.br Email: Address: Av. Eng. Armando de Arruda Pereira,

707 10° andar

Web: www.itau-unibanco.com.br

BANCO SANTANDER BRASIL

Danilo Christófaro Barbieri

Head of Custody & Securities Services Brazil

Tel: +551130125775

Email: dbarbieri@santander.com.br

Address: Av. Juscelino Kubitschek, 2235, 26° andar / 04543-011 / São Paulo - SP - Brasil

Web: www.santander.com.br

**BNP PARIBAS SECURITIES SERVICES** 

**Nelson Fernandes** 

Head of BNP Paribas Securities Services in Brazil

Tel: 55 11 3841-3604 55 11 3841-4088 Fax:

nelson.fernandes@br.bnpparibas.com Email: Address: Presidente Juscelino Kubitschek, Avenue

nr. 510 - 9° floor, Itaim - Zip code: 04543-906 - São Paulo - SP - Brazil

Web: www.securities.bnpparibas.com

CITI

Marcio Veronese

Securities Country Manager Tel: +55 11 4009 2751 Email: marcio.veronese@citi.com

Address: São Paulo

Web: www.citigroup.com

**DEUTSCHE BANK** 

Dirk Reinicke

54 11 4590 2890 Tel: dirk.reinicke@db.com Email:

Address: Av. Brigadeiro Faria Lima, 3900, 14 andar

CEP 04538-132, Sao Paulo

Web: www.tss.db.com

**HSBC** 

Roberto Cortese

Head of HSBC Securities Services, Brazil

Address: HSBC CTVM S.A., Avenida Brigadeiro Faria Lima, 3064 - 2nd floor - 01451-000

> - São Paulo - Brazil +55 (11) 3847-9369

Tel: roberto.c.cortese@hsbc.com.br Email:

Web: www.hsbcnet.com/hss

I.P.MORGAN

Web: www.jpmorgan.com

CHILE

**BOLSA DE COMERCIO DE SANTIAGO** 

www.bolsadesantiago.com/index.aspx

THE DEPOSITO CENTRAL DE VALORES (DCV)

Web: www.dcv.cl/en/

SERVICE PROVIDERS

**BANCO ITAÚ CHILE** 

Ximena Jiles

Relatioship Manager Securities Services

Tel: 562-6860624 **Email:** ximena.jiles@itau.cl

Address: Enrique Foster Sur 20, 5th floor, Santiago

de Chile

Web: www.itau.cl

BANCO SANTANDER, CHILE

Edward W. Garcia

Head of Custody & Securities Services Chile Tel: +56 2 2320 8067; +56 2 2320 8210

Email: egarcia@santander.cl

Address: Bandera 140, Piso 4, Santiago, Chile

Web: www.santander.cl

CITI

Antonio D. Blazquez

Securities Country Manager +56 2 338 8530 Tel: Email: antonio.blazquez@citi.com

Address: Santiago

Web: www.citigroup.com

**COLOMBIA** 

**BOLSA DE VALORES DE COLOMBIA (BVC)** 

http://en.bvc.com.co/pps/tibco/portalbvc

DECEVAL

Web:

Address: Avenida Calle 26 No59 -51, Torre 3

Office 501, Bogota, Colombia

Web: www.deceval.com.co/portal/page/portal/

Home

**SERVICE PROVIDERS** 

Armanda Mago Vicentelli

Securities Country Manager Tel: +57 1 4854000

armanda.magovicentelli@citi.com Email:

Address: Bogota

Web: www.citigroup.com

**COSTA RICA** 

**BOLSA NACIONAL DE VALORES (BNV)** 

www.bolsacr.com/principal/ Web: CENTRAL DE VALORES SA (CEVAL) Web: www.dcv.cl/en/

BANCO CENTRAL DE COSTA RICA

Web: www.bccr.fi.cr/

**SERVICE PROVIDERS** 

**BANCO BCT** 

Natalia García

Head of International Custody Tel: 506 2212 8046

natalia.garcia@corporacionbct.com Email: Address: Calle 55, Edificio BCT. San Jose

**EQUADOR** 

**DECEVALE** 

Web: www.decevale.com/

**MEXICO** 

**BOLSA MEXICANA DE VALORES** 

http://www.bmv.com.mx/

TECHNOLOGY VENDORS

**VOLANTE TECHNOLOGIES** 

Tel: +52 (55) 1105 0536

Address: Gmo. González Camarena, 1450 P-7,

Santa Fe, Mexico, DF, 01210

**BOLSA MEXICANA DE VALORES (BMV)** 

Web: www.bmv.com.mx/

SERVICE PROVIDERS **HSBC** 

**Eduardo Pinto** 

Tel: 525557213471

Email: Eduardo.C.PINTO@hsbc.com.mx Address: HSBC México, S. A., Av. Paseo de la

Reforma 347, Piso 3, Col. Cuauhtémoc,

C.P. 06500, México, D.F. Web: www.hsbcnet.com/hss

**RBC INVESTOR SERVICES** 

**Brent Wilkins** 

Head, Americas, Sales & Relationship Management

Tel: 416-955-2495

brent.wilkins@rbc.com Email: Address:

155 Wellington Street West, 7th Floor, Toronto, ON M5W 3L3

Web: www.rbcis.com

**PANAMA** 

**BOLSA DE VALORES DE PANAMA (BVP)** 

Tel: +507 269-1966

Fax: +507 269-2457 Address: Federico Boyd Avenue and Calle 49, Stock Exchange Building Panama,

Panama, Republic of Panama Web: pa.panabolsa.com/en/

CENTRAL LATINOAMERICANA DE VALORES, SA (LATINCLEAR)

Tel: (507) 214-6105 Fax:

(507) 214-8175 Email: latinclear@latinclear.com.pa Federico Boyd Avenue and 49th Street, Address:

Panama Stock Exchange Building POBox: 0823-04673, Panama, Republic of

Panama

PERU

**BOLSA DE VALORES DE LIMA (BVL)** 

Tel: (511)619 3333 Address: Lima Stock Exchange SA, Acuna Passage

106 – Lima 100

Web: www.bvl.com.pe **CAVALI** 

Address: Office 143 Avenida Santo Toribio 501,

San Isidro

Web: www.cavali.com.pe

SERVICE PROVIDERS

BANCO DE CREDITO DEL PERU

José Manuel Peschiera

Manager of Security and Trust Services Tel: 511 205 9190 ext. 32182 **Email:** jpeschiera@bcp.com.pe Address: Calle Centenario 156, Lima 12

Web: www.viabcp.com

CITI

Gonzalo Pereyra

Securities Country Manager +511 215 2236 Tel:

gonzalo.pereyra@citi.com Email:

Citibank del Peru S.A. (Subsidiary), Av. Address:

Canaval y Moreyra # 480, 8th Floor, San Isidro, Lima 27, Peru

Web: www.citigroup.com

SCOTIABANK PERU S.A.

**Edward Patsias Mella** 

Global Transaction Banking Head

Tel: 511 211 5938

eduardo.patsias@scotiabank.com.pe Email: Address: Dionisio Derteano 102 p.4 San Isidro,

Lima 17

Web: www.scotiabank.com.pe

URUGUAY

**CENTRAL BANK OF URUGUAY (CBU)** 

Web: www.bcu.gub.uy

**SERVICE PROVIDERS** 

**BANCO ITAÚ S.A** 

Ludmila Lubomirsky

Relationship Officer

+598 291 601 27 ex. 340 Tel: **Email:** llubomirsky@atau.com Address: Zabala 141463, Mongevbao Web: www.bancoitau.com.uy

VENEZUELA

Web:

**BOLSA DE VALORES DE CARACAS** 

Tel: (58 212) 905.55.11

Address: Edificio Atrium, Piso 1, Calle Sorocaima,

entre Avenidas Tamanaco y Venezuela, Urbanización El Rosal, Caracas www.caracasstock.com/eng/index.jsp

CAJA VENEZOLANA DE VALORES (CVV)

Address: Sorocaima Avenue, between Av and Av Venezuela Tamanaco, Atrium Bldg, Floor

1, Suite 1, Urbanisation El Rosal, Chacao Municipality. Caracas

Web: www.cajavenezolana.com/cvv/indexs.asp

**SERVICE PROVIDERS** 

BANCO DE VENEZUELA - GRUPO **SANTANDER** 

Manuel Guzmán

Head - Global Securities +58 212 501 33 58 Tel:

manuel\_guzman@banvenez.com Email: Address: Avda. Universidad, Esq. Sociedad - Edif.

Banco de Venezuela - Caracas Venezuela

Web: www.bancodevenezuela.com

CITI

Oscar Pagani

Securities Country Manager Tel: +58 212 7052474 Email: oscar.pagani@citi.com Address: Av. Casanova Centro Comercial El Recreo. Torre Norte. Piso 19. Sabana

Grande. Caracas 1050. Venezuela

Web. www.citibank.com.ve VENEZOLANO DE CREDITO

Carolina Sanchez

Transfer Agent and Securities Tel: 58 212 806 6468

**Email:** csanchez@venezolano.com Av. Alameda, Urb. San Bernardino,

Caracas 1010

WESTERN EUROPE

**AUSTRIA** 

WIENER BÖRSE

+43 1 531 65-0 Tel: +43 1 532 97 40

Wiener Börse AG, Wallnerstraße 8, Address:

P.O.Box 192, A-1014 Vienna

Web: http://en.wienerborse.at/

**OEKB** 

+43 1 53127-0 Tel: +43 1 53127-5262 Fax:

Address: Oesterreichische Kontrollbank

Aktiengesellschaft,

Am Hof 4; Strauchgasse 3, 1011 Vienna,

Austria

www.oekb.at/en/Pages/default.aspx Web:

CCP.A

Address: CCP Austria Abwicklungsstelle für

Börsengeschäfte GmbH, Strauchgasse 1-3, A-1010 Vienna, Austria

http://en.ccpa.at/

**SERVICE PROVIDERS** 

**BNP PARIBAS SECURITIES SERVICES** 

Gerald Noltsch

Head of BNP Paribas Securities Services, Northern Europe and CEE

Tel: 49 69 1520 5571

gerald.noltsch@bnpparibas.com **Email:** Zweigniederlassung, Europa-Alle 12, Address:

Frankfurt am Main

CITI

Maike Bechtel

Securities Country Manager +49 69 1366 1349 Tel: **Email:** maike.bechtel@citi.com Frankfurt, Germany Address: Web: www.citigroup.com

**DEUTSCHE BANK** 

Peter Peschek

Head of Direct Securities Services Austria

Tel: +43 (1) 53181 422 Fax: +43 (1) 53181 436 Email: peter.peschek@db.com

Address: Fleischmarkt 1, 1010 Vienna, Austria

Alexander Schleifer

Head of Custody & Network Management

Tel: +43 50100 15146 Fax: +43 50100 915146

alexander.schleifer@erstebank.at Email: Address: Erste Group Bank AG, Börsegasse 14,

A-1010 Vienna www.erstebank.com

RAIFFEISEN BANK INTERNATIONAL AG

Jüergen Sattler Head of Custody

Web:

Tel: +43 1 71707 1882

Email: juergen.sattler@rbinternational.com Address: Am Stadtpark 9, 1030 Vienna

Web: www.rbinternational.com

UNICREDIT

Tomasz Grajewski

Global Head of Global Securities Services

Tel:+48 22 5245867

**Email:** Tomasz.Grajewski@pekao.com.pl UniCredit Bank Hungary Zrt., Szabadság Address:

HU-1054 Budapest www.bankaustria.at

**BELGIUM** 

**EURONEXT** 

Web:

Web: www.nyx.com/en/who-we-are/history/

brussels

THE BANQUE NATIONALE DE BELGIQUE (NBB)

General Contact Point Tel: +32 2 221 21 11 Email: info@nbb.be

Address: Boulevard de Berlaimont 14, 1000

Brussels, Belgium,

VAT BE 0203.201.340, RLP Brussels www.nbb.be/pub/home.htm?l=en

EUROCLEAR

Web:

Contact: Valérie Urbain 32 2 337 5111 Tel:

Address: 6, Avenue de Schipol, 1140 Brussels,

Belgium

**SERVICE PROVIDERS** BNP PARIBAS SECURITIES SERVICES

Renaud Vandenplas

Head of BNP Paribas Securities Services, Belgium

Tel: 32 2 510 84 45

renaud.van den plas@bnpparibas.comEmail: Address: 489 av. Louise, 1050 Brussels Web: www.securities.bnppparibas.com

Warren Thorsen

Securities Country Manager +31 76 5438 263 Tel: Email: warren.thorsen@citi.com Address: Breda, Netherlands Web: www.citigroup.com

**DEUTSCHE BANK** 

Jan Treuren

Head of Product & Client Management

Tel: 31 20 555 4302 Email: jan.treuren@db.com

Address: Herengracht 450, 1017 CA Amsterdam

ING BANK NV

Peter Goossens

Account Management & Client Support

+ 32 2 738 27 82 Tel: Email: Peter.goossens@ing.be

ING Belgium, Cours Sant-Michel 60, Address:

1040 Brussels, Belgium

Web: www.ing.be

**KBC SECURITIES** 

**Didier Moens** 

Global Relationship Manager 32 2 429 30 36 Tel:

Email: didier.moens@kbcsecurities.be Address: Havenlaan 12, 1080 Brussels www.kbcsecurities.com Web:

**RBC INVESTOR SERVICES** 

Marc Vermeiren

Managing Director, Belgium Tel: 32 2 222 5504 Email: marc.vermeiren@rbc.com

RBC Dexia Investor Services, Place

Rogier 11, 1210 Brussels

www.rbcis.com Web:

#### **TECHNOLOGY VENDORS**

#### **CLEAR2PAY**

+32 15 795200 Tel:

Address: Schaliënhoevedreef 20A, 2800,

Mechelen, Brussels, Belgium

Web: www.clear2pay.com

## FRSGLOBAL

+32.2.416.2400 Tel

Head Office: Kleine Kloosterstraat 23,

B-1932 St. Stevens-Woluwe, Belgium

Web: www.frsglobal.com

# ORFIVAL

Web:

Tel: +32(0)10 470650

Address: Avenue J.E. Lenoir 2A, 1348 Louvain-la-

Neuve, Belgium www.orfival.be

# **SWALLOW TECH**

Tel: + 322 385 1465

Address: 378, Chaussée de Bruxelles, 1410,

Waterloo, Belgium www.swallowtech.com Web:

# **SWIFT**

+ 32 2 6553111 Tel:

Address: Avenue Adele 1, B-1310, La Hulpe,

Belgium

Web: www.swift.com

# VIVEO

+ 0032 27 252599 Tel:

Address: Avenue Reine Astrid 92, 1310, La Hulpe,

Belgium

Web: www.viveo.com

# **CYPRUS**

## **CYPRUS STOCK EXCHANGE (CSE)**

Tel: (357) 22 712300 (357) 22 570308 Fax: **Email:** info@cse.com.cy

Address: Cyprus Stock Exchange, 71-73 Lordou

Vironos Avenue, 1096, P.O.BOX 25427,

Nicosia 1309 Cyprus

# CENTRAL DEPOSITORY AND CENTRAL **REGISTRY CYPRUS**

www.cse.com.cy/en/csd/introduction.asp

# **EDUCATION AND TRAINING**

# CYPRUS INTERNATIONAL INSTITUTE OF **MANAGEMENT**

00357 22462246 **Email:** ciim@ciim.ac.cv

21 Akademias Avenue, PO Box 20378,

2151 Aglandja, Nicosia, CYPRUS

# SERVICE PROVIDERS

# BANK OF CYPRUS

# **Christos Xaghas**

Head of Custody Dept +30 210 647 7330 Tel: Email: chxaghas@bankofcyprus.gr Address: L Alexandras Ave 170, 11521 Athens,

Greece

Web: www.bankofcyprus.gr

## **BNP PARIBAS SECURITIES SERVICES ATHENS**

# Alex Kartalis

General Manager

302,107,468,540 Tel: Fax: 302,107,468,579

Email: alex.kartalis@bnpparibas.com Address: 94 V.Sofias Avenue & 1 Kerasountos Str.

115 28 Athens, Greece Web: securities.bnpparibas.com

#### CITI

#### Menelaos Demetriou

Securities Country Manager 30 210 329 2160 Tel:

menelaos.demetriou@citi.com **Email:** 

Citibank Intl Plc Greece Branch, 8 Address: Othonos St., 10557 Athens, Greece

Web: www.citigroup.com

#### EUROBANK

## Dimitri Vassiliou

Manager - Head of Sales & Relationship Management

+302103523384 Fax: +302103523650 DVassiliou@eurobank.gr Email: Address: 8 Iolkou & Filikis Etairias Street

Web: www.eurobank.gr

#### HELLENIC BANK

#### Charis Phokas

Manager - Head of Sales & Relationship

Management

Tel: 357 22 500823

c.fokas@hellenicbank.com Email:

Address: c/o Hellenic Bank, P O Box 24747, 1394

Nicosia

#### **HSBC**

## Anna-Maria Spyropoulou

Senior Client Relationship Manager 30 210 696 1560 Fax: 30 210 692 9336 Email: hssgr.clients@hsbc.com

HSBC Securities Services, Greece, 109-Address:

111, Messoghion Ave, Athens 115 26,

Greece

Web: www.hsbcnet.com

# MARFIN POPULAR BANK PUBLIC **COMPANY LIMITED**

## Elena Melanthiou

Head Custody Services +35722812127 +357 22812130 Fax: Email: emelanthiou@laiki.com

Address: 39 Arch. Makarios III Ave. Cy-1065

Nicosia Cyprus

Web: www.laiki.com

# **NBG CYPRUS**

## Stefanos Tefos

Assistant Director, Head of Custody Relations

30 210 947 7755 Tel: Email: tefos@nbg.gr

330 El. Venizelou Ave., Europa Plaza Address:

Building, 176 75 Kallithea, Athens,

# SOCIETE GENERALE SECURITIES SERVICES

# Mathieu Maurier

Global Head of Sales and Global Relationship

Management

Tel: + 33(0)1 41 45 98 65 Email:

mathieu.maurier@sgss.socgen.com Address: SGSS, 189 rue d'Aubervilliers, 75886

Paris cedex 18, France

# **DENMARK**

# **VP SECURITIES RECEPTION:**

+45 4358 8888

# **CSD Services**

Tel. +45 4358 8800 +45 4358 8810 Fax: csd@vp.dk Email:

## **Custody Services**

+45 4358 8899

+45 4358 8890 Fax: **Email:** custody@vp.dk

#### **Issuer & Corporate Action Services**

Tel: +45 4358 8855 +45 4358 8810 Fax: Email: ica@vp.dk

Opening hours - all 3 service centres: 8 a.m. - 5 p.m.

#### Investor Services

Tel: +45 4358 8866 Fax: +45 4358 8867 Email: vpinvestor@vp.dk Opening hours: 8 a.m. - 4 p.m. CET

# IT-Operations

Tel: +45 4358 8877 Fax: +45 4371 2003 Email: ITOper@vp.dk

Opening hours: 6:30 a.m. - 8 p.m. CET

# **SERVICE PROVIDERS**

# **DANSKE BANK**

# Ulla Hoyer

Tel: +45 43 39 48 11

Email: ulla.hoyer@danskebank.dk

Address: Holmens Kanal 2-12, 1092 Copenhagen,

Web: www.danskebank.com

# HANDELSBANKEN CUSTODY SERVICES

# Petter Kjellevold

Head of Handelsbanken Custody Services

46 8 701 28 88 Tel: Fax: 46 8 701 29 90 Email: pekj02@handelsbanken.se

Address: Blasieholmstorg 12, 106 70 Stockholm,

Sweden

Web: www.handelsbanken.se

# NORDEA BANK SECURITIES SERVICES

# Anne-Lise Kristiansen

Head of Sub-Custody and Clearing Tel: +4 722 485 000 custody.cr.no@nordea.com Email: Web: www.nordea.com/custody

# SEB

# Ulf Norén

Global Head of Sub-Custody Client Relations

Tel: 4793420380 Email: ulf noren@seb.se Web: www.seb.se

# FINLAND

# **EUROCLEAR FINLAND**

Contact: Yannic Weber 358 20 770 6000

Address: Pl 1110, 00101 Helsinki, Finland

# **SERVICE PROVIDERS**

# **DANSKE BANKE**

## Tom S. Jensen

Head of Group Trading and Investment Support

45 4514 3850

Email: tom.jensen@danskebank.dk Holmens Kanal 2-12, DK1092 Address: Copenhagen K, Denmark

# HANDELSBANKEN CUSTODY SERVICES

# Petter Kjellevold

Head of Handelsbanken Custody Services

Tel: 46 8 701 28 88 46 8 701 29 90 Fax:

pekj02@handelsbanken.se **Email:** Address: Blasieholmstorg 12, 106 70 Stockholm,

Sweden

www.handelsbanken.se Web:

**NORDEA** 

Anne-Lise Kristiansen Head of Sub-custody and Clearing +47 2248 6238 Tel:

anne-lise.kristiansen@nordea.com **Email:** 

Web: www.nordea.com

POHJOLA BANK

Kirsi Sakki Head of Custody

Tel: 358 10 252 4132 kirsi.sakki@pohjola.com Email: Address: P.O. Box 308, FI-00013 Pohjola

Ulf Norén

Global Head of Sub-Custody Client Relations

Tel: 47-22-827078 ulf.noren@seb.se Email:

PO BOX 1843 Vika, Filipstad Brygge 1, Address:

NO-0123 OSLO, Norway

Web: www.seb.se

**TECHNOLOGY VENDORS** 

**TIETO** 

Tel: +358 207 2010

Address: Kutojantie 6-8, P.O. Box 156, FI-02630,

Espoo, Finland

www.tieto.com/financialservices Web:

**FRANCE** 

**NYSE EURONEXT** 

Web: www.boursedeparis.fr/

**EUROCLEAR** 

Contact: Valérie Urbain Tel: 33 1 5534 5534

Address: 66 Rue de la Victoire, 75009, Paris,

France

**SERVICE PROVIDERS** 

**BNP PARIBAS SECURITIES SERVICES** 

Geraud De Saint Vincent

Head Of Euronext Markets

Tel: +33 1 42 98 68 34/ 331 42 98 53 02 **Email:** geraud.desaintvincent@bnpparibas.com Web: www.securities.bnppparibas.com

**CACEIS** 

Valéry THERY

Head of Client Relationship Tel: 00.33.1.57.78.11.20 Fax: 00.33.1.57.78.11.97 Email: valery.thery@caceis.com

Address: Immeuble Valhubert, 1-3 place Valhubert

75206, PARIS, France Web: www.caceis.com

Web:

**Fabrice Novel** 

Securities Country Manager +33 1 7075 5166 Tel: Email: fabrice.novel@citi.com

Address: Citibank Intl Plc, 1-5 Rue Paul Cezanne,

75008 Paris www.citigroup.com

**DEUTSCHE BANK** 

Ian Treuren

Head of Product & Client Management Tel:

33 1 7037 8320 jean-christophe.deconinck@rbcdexia. Email:

Address: 105, rue Réaumur, F-75002 Paris

**EUROCLEAR FRANCE** 

Philippe Bertholle

Director

Tel: +33 1 55 34 5546

philippe.bertholle@euroclear.com Email:

Web: www.euroclear.com

RBC INVESTOR SERVICES

Jean-Christophe de Coninck Head, Sales & CRM 33 1 7037 8320 Tel:

jean.christophe.deconinck@rbc.com **Email:** Address: 105, rue Reaumur, F-75002 Paris

Web: www.rbcis.com

SOCIETE GENERALE SECURITIES SERVICES

Mathieu MAURIER

Global Head of Sales and Global Relationship

Management

+ 33(0)1 41 45 98 65 Tel:

Email: mathieu.maurier@sgss.socgen.com Address: SGSS, 189 rue d'Aubervilliers, 75886

Paris cedex 18, France

Web: www.sg-securities-services.com

**TECHNOLOGY VENDORS** 

Address: 19 rue d'Orléans, 92 523 Neuilly-sur-

seine Cedex, France

Tel: +33 (1) 47 77 68 25 Web: www.linedata.com

**MUREX** 

Tel: + 33 1 44053200

Address: 8 Rue Bellini, 75016, Paris, IDF, France

Web: www.murex.com

SLIB

Tel: + 33 1 70 36 97 00

Address: 10/12 Avenue Winston Churchill, 94677

Charenton-le-Pont Cedex, France mailto:sales.contact@slib.com

www.slib.com Web:

STET

Email:

Tel: + 33 153 157400

Address: 52, rue Taitbout, 75009, Paris, France Web:

www.stet.eu SWORD FIRCOSOFT

Tel: + 33 1 44672441

Address: 37 rue de Lyon, 75012, Paris, France www.sword-fircosoft.com Web:

**SYSTAR** 

Address: 171 Bureaux de la Colline, 92213, Saint

Cloud, France Tel: + 33 14 9114500 Web: www.systar.com

**DEUTSCHE BÖRSE** 

Tel: +49-(0) 69-2 11-0 Fax: +49-(0) 69-2 11-1 20 05 E-mail: info@deutsche-boerse.com

**Postal** 

address: 60485 Frankfurt am Main, Germany

**Business** 

address: Mergenthalerallee 61, 65760 Eschborn,

Germany

CLEARSTREAM BANKING FRANKFURT -**CBF** 

Web:

www.clearstream.com/ci/dispatch/ en/kir/ci\_nav/6\_customers/020\_ contact/010\_by\_location/20\_

frankfurt?displayText=footerIMP

**EUREX CLEARING** 

+49-69-211-0 Tel:

Eurex Frankfurt AG | Eurex Clearing Address:

AG, D- 60485 Frankfurt

**EUROCLEAR** 

Contact: Katherine Starks Tel: 49 69 2980 2880 Email: frankfurt@euroclear.com

Address: Börsenplatz 5, 60313 Frankfurt-am-

Main, Germany

**SERVICE PROVIDERS** 

**BNP PARIBAS SECURITIES SERVICES** 

Gerald Noltsch

Head of BNP Paribas Securities Services, N.Europe,

CEE

Tel: 49 69 1520 5571

**Email:** gerald.noltsch@bnpparibas.com Address: Zweigniederlassung, Europa-Allee 12, 60327 Frankfurt am Main

Web: www.securities.bnppparibas.com

BNY MELLON ASSET SERVICING

Juergen Scharfenrth

Head of Relationship Management and Business

Development Germany & CEE +49 69 12014 1050 Tel:

juergen.scharfenorth@bnymellon.com Email: Address: Messeturm, Friedrich-Ebert-Anlage 49,

> 60327 Frankfurt am Main, Germany www.bnvmellonassetserv.com

CACEIS BANK DEUTSCHLAND GMBH

Marco Wilms

Web:

Head of Business Development & Sales Tel: +49 89 5400 1870

+49 89 5400 381870 Fax: marco.wilms@caceis.com **Email:** 

Address: Lilienthalallee 34-36, D-80939 Munich;

Germany

Web: www.caceis.com

CITI GLOBAL MARKETS DEUTSCHLAND AG

Dirk Loscher

Securities Country Manager Tel: +49 69 1366 2216 dirk.loscher@citi.com Email:

Address: Frankfurter Welle, Reuterweg 16, 60323

Frankfurt

Web: www.citigroup.com

**COMMERZBANK AG** 

Uwe Loose Commerzbank AG **Group Markets Operations** Funds & Custody Services

Address: 60261 Frankfurt am Main

Office

Address: Theodor-Heuss-Allee 50, 60486

Frankfurt am Main Tel: +49 69 136 24200 +49 69 405652418 Fax: Mobile: + 49 172 6733034

Web: uwe.loose@commerzbank.com

**DEUTSCHE BANK** 

Dieter Bernhard

Head of Domestic Markets - Germany Tel: 49 (69) 910 63134

Email: dieter.bernhard@db.com Address: Floor 12 OG, Alfred-Herrhausen-Allee

16-24, Eschborn

**HSBC** 

**Christine Lindenschmidt** 

Head of HSBC Securities Services, Germany Tel: + 49 (0) 211 9102 583 **Email:** C.Lindenschmidt@hsbc.de Address: HSBC Trinkaus & Burkhardt AG,

Konigsallee 21-23, Dusseldorf, D40212,

Germany

Web: www.hsbcnet.com/hss

KAS BANK

Mark van Weezenbeek

Director, Head of Sales & Business Development

+ 31 20 5575483 Tel:

Email: mark.van.weezenbeek@kasbank.com Address: Biebricher Allee 2, 65187 Wiesbaden

Web: www.kasbank.com

SFR

Renate Wenner

Client Relations Depotbank SEB AG Merchant

Banking Custody Services +49 69 258-5575 Tel: +49 69 258 5577 Fax:

renate.wenner@seb.de **Email:** 

Postfach, 60283 Frankfurt, Ulmenstrasse Address:

30. 60325 Frankfurt/Main

Web: www.seb.se

SOCIETE GENERALE SECURITIES SERVICES

**Jochen Mevers** 

Head of Sales, Germany +49 89 3303 34700

Jochen.Meyers@sgss.socgen.com Email: Address: Societe Generale Securities Services, SGSS KAG mbH, Apianstraße 5, 85774

Unterföhring, Germany Web: www.sg-securities-services.com

**TECHNOLOGY VENDORS** 

**EFIS - FINANCE SOLUTIONS** 

Tel: +49 61 03987720

Address: Am Weiher 3, 63303, Dreieich, Germany

Web: www.efis.de

INTERCOPE

Tel: +49 40 514520

Address: Himmelstrasse 12-16, 22299, Hamburg,

Germany

Web: www.intercope.com

PDV FINANCIAL SOFTWARE GMBH

Tel: + 49 40 69213283

Address: Dorotheenstr. 64, 22301, Hamburg,

Germany

Web: www.pdv-fs.de

SOFTWARE AG

+ 49 61 51920

Uhlandstrasse 12, 64297, Darmstadt, Address:

Germany

www.softwareag.com Web:

SWISSRISK FINANCIAL SYSTEMS GMBH

+ 49 69 509520 Tel:

Address: Holzhausenstr. 44, 60322, Frankfurt am

Main, Germany

Web: www.swissrisk.com

**SYRACOM AG** 

Tel: + 49 6122 91760

Address: Otto-von-Guericke-Ring 15, Wiesbaden,

65205, Hessen, Germany

Web: www.SYRACOM.com

VAN DEN BERG AG

Tel: +492406954520

Im Strasser Feld, 352134, Herzogenrath, Address:

Germany

Web: www.vdb.de

**GREECE** 

ATHENS EXCHANGE

Information Services: Dpt@helex.gr Web: www.ase.gr/default\_en.asp

HELEX SA

Web: www.helex.gr/web/guest/home

**BANK OF GREECE** 

Address: 21 E. Venizelos Avenue, GR 102 50

Athens

Tel: +30 210 320 1111

Telefax: +30 210 323 2239, +30 210 323 2816

Telex: 215752BNGR GR Telegrams: BANGRECE

Reuters

Monitor: BOG/GOLD2, BOG/GOLD3,

BOGFIXING Swift code: BNGRGRAA

**SERVICE PROVIDERS** 

**BANK OF CYPRUS** 

Koufaki Vasiliki

Head of Custody Tel: 30 210 7765200

vkoufaki@bankofcyprus.gr Email:

Address: Fidippidou str.26, 11527 Athens, Greece

Web: www.bankofcyprus.gr

BNP PARIBAS SECURITIES SERVICES

Georgia Farmaki

Product Manager

+30 210 746 8528 Tel: Fax: +30 210 746 8579

georgia.farmaki@bnpparibas.com Email: 94 V.Sofias Avenue & 1 Kerasountos Str. Address:

115 28 Athens, Greece

Web: securities.bnpparibas.com

CITI

Alexia Kazakou

Product Manager

+30 210 32 92 162 Tel: **Email:** alexia.kazakou@citi.com Address:

Citibank Intl Plc Greece Branch, 8 Othonos street, 10557 Athens

www.citigroup.com

EUROBANK ERGASIAS S.A

Web:www.eurobank.gr

**EUROBANK** 

Dimitri Vassiliou

Manager - Head of Sales & Relationship Management

+302103523384 Tel: Fax: +302103523650 dvassiliou@Eurobank.gr Email: 8 Iolkou & Filikis Etairias Street Address:

Web: www.eurobank.gr

GENIKI BANK SECURITIES SERVICES

Anna Fakiola

Head of Sales and Relationship Manager

Tel: 00302106976074 00302106976080 Fax: Email: anna.fakiola@geniki.gr

Address: 16, Laodikeias & 1-3 Nymfaiou Athens

115 28 Greece

Web: www.geniki.gr

HSBC

John Avgeris

Client Relationship Manager Tel: 30 210 696 1529 30 210 692 9336 Fax: Email: hssgr.clients@hsbc.com

Address: HSBC Securities Services, Greece, 109-

111, Messoghion Ave, Athens 115 26,

Greece

Web: www.hsbcnet.com

MILLENIUM BANK George Katsoulis

Head of Custody

30 210 955 7028 Tel:

Email: georgios.katsoulis@milleniumbank.gr Address: 182, Syggrou Avenue, Kallithea 17671

NATIONAL BANK OF GREECE SA

**Stefanos Tefos** 

Assistant Director, Head of Custody Relations

+30 210 947 7755

Email: tefos@nbg.gr

Address: 330 El. Venizelou Ave., Europa Plaza

Building, 176 75 Kallithea-Athens

Web: www.nbg.gr

**TECHNOLOGY VENDORS** 

PROFILE S.A.

Address: 199, Syngrou Avenue, 171 21, Athens,

Tel: + 30 210 9301200 Web: www.profilesystems.eu

**ICELAND** 

NASDAQ OMX ICELAND HF.

Tel: +354 525 2800 Fax: +354 525 2888

iceland@nasdaqomx.com Email: Address:

Laugavegi 182, 105 Reykjavik, Iceland www.nasdaqomxnordic.com/bonds/ Web:

ICELANDIC SECURITIES DEPOSITORY LTD

**SERVICE PROVIDERS** 

ARION CUSTODY SERVICES

http://en.vbsi.is/

Salome Birgisdottir

Executive Director 354 528 2829 Tel: salome@arion.is Email: Address: Armuli 13, 108 Reykjavik

Web: www.arion.is

**GLITNIR (FORMERLY ISLANDSBANKI)** 

Sigridur Maria Torfadottir

Relationship Manger, Treasury Tel: Sími: +354 440 4666, GSM: + 354 844

4666

**Email:** 

Web:

Fax: +354 440 4660

sigridur.torfadottir@islandsbanki.is Email: Address:

Kirkjusandi 2 - 155 Reykjavík, Iceland Web: www.glitnir.is

LANDSBANKINN HF

Arna H. Palsdottir Relationship Management Tel: +354 410 7986 Fax: (354) 410 3002

arnap@landsbankinn.is

or arna.h.palsdottir@landsbankinn.is Address: NBI hf., Custody Services, Main floor,

> Thorvaldsenstraeti 4, IS-155 Reykjavik Iceland

Web: www.landsbankinn.is

**IRELAND** 

LCH.CLEARNET LTD

Web: www.lchclearnet.com

SIX X-CLEAR

Web:

Tel:

Tel: +41 58 399 4311 +41 58 499 4311 Fax:

Address: SIX x-clear Ltd, Brandschenkestrasse 47,

P.O. Box 1758, CH-8021 Zurich www.six-securities-services.com/en/

home.html

**SERVICE PROVIDERS** 

BANK OF IRELAND SECURITIES SERVICES

Fearghal Woods

Director -Head of Business Development

+353 1 673 7512 Email: fearghal.woods@boiss.boi.ie Address: New Century House, Mayor Street

Lower, IFSC, Dublin 1, Ireland

www.boiss.com Web:

#### **BNP PARIBAS SECURITIES SERVICES**

Lilias Martin

Head of external communications **Tel:** +33 1 57 43 83 36

Email: lilias.martin@bnpparibas.com Web: www.bnpparibas.com

**CITI** 

**Peter Stewart** 

Senior Market Specialist
Tel: +44 207 500 2959
Email: peter.stewart@citi.com

Address: Citi Centre, Canary Wharf, London E14

5LB

Web: www.citigroup.com

**HSBC** 

Brian McCabe

Head of HSBC Securities Services Ireland

Address: HSBC Securities Services (Ireland) Ltd, 1 Grand Canal Square, Grand Canal

Harbour, Dublin 2, Ireland
Tel: + 353 1 635 6738
Email: brian.mccabe@hsbc.com
Web: www.hsbcnet.com/hss

RBC INVESTOR SERVICES

**Padraig Kenny** 

Managing Director, Ireland
Tel: 35 3 1613 0400
Email: padraig.kenny@rbc.com

Address: George's Quay House, 43 Townsend

Street, Dublin 2

Web: www.rbcis.com

SOCIETE GENERALE SECURITIES SERVICES

Mathieu MAURIER

Global Head of Sales and Global Relationship

Management

**Tel:** + 33(0)1 41 45 98 65

**Email:** mathieu.maurier@sgss.socgen.com **Address:** SGSS, 189 rue d'Aubervilliers, 75886

Paris cedex 18, France

**ITALY** 

MONTE TITOLI

Web: www.montetitoli.it/home/homepage.

en.htm

CASSA DI COMPENSAZIONE E GARANZIA

(CC&G)

Web: www.bancaditalia.it/sispaga/sms/ postrading/cassacomp;internal&action=\_ setlanguage.action?LANGUAGE=en

LCH.CLEARNET

Web: www.lchclearnet.com

BANCA D'ITALIA

Tel: +39 06 47921

**Address:** Via Nazionale, 91, 00184 Roma **Web:** www.bancaditalia.it/bancaditalia

SERVICE PROVIDERS

BNP PARIBAS SECURITIES SERVICES

Allesandro Gioffreda

Head of BNP Paribas Securities Services, Italy

Tel: 39 02 7247 4251

Email: alessandro.gioffreda@bnpparibas.com
Address: Via Ansperto 5, 20123 Milan
Web: www.securities.bnppparibas.com

CITI

Marcello Topa

Securities Country Manager
Tel: +39 02 8647 4387
Email: marcello.topa@cit

Email: marcello.topa@citigroup.com

Address: Milano

Web: www.citigroup.com

**DEUTSCHE BANK** 

Danila Bernardi

Head of Direct Securities Services Italy
Tel: 0039 02 4024.2718
Fax: 0039 02 4024.3055
Email: danila.bernardi@db.com
Address: danila.bernardi@db.com

Web: www.db.com
INTESA SANPAOLO

Mario Recchia

Head of Sub-custody and Broker/Dealer Clearing

Solutions

Tel: +39 02 87943595 Email: mario.recchia@intesasanpaolo.com Address: Piazza della Scala, 6—20121 Milano

Address: Piazza della Scala, 6—20121 Mila Web: www.group.intesasanpaolo.com

RBC INVESTOR SERVICES

Stefano Pileri

Director, Sales & Relationship Management

Tel: 39 0 233 623 3 45 Email: Stefano.pileri@rbc.com

Address: Via Vittor Pisani, 26, 20124 Milano

Web: www.rbcis.com

SOCIETE GENERALE SECURITIES SERVICES

Mathieu Maurier

Global Head of Sales and Global Relationship

Management

**Tel:** + 33(0)1 41 45 98 65

**Email:** mathieu.maurier@sgss.socgen.com **Address:** SGSS, 189 rue d'Aubervilliers, 75886

Paris cedex 18, France

**TECHNOLOGY VENDORS** 

SIA-SSB GROUP

Tel: + 39 02 60844906

Address: Via Taramelli, 26, 20124, Milan, Italy

Web: www.siassb.eu

VALUE TEAM

Tel: + 39 02 83125646

Address: Viale Cassala 14/A, 20146, Milan, Italy

Web: www.valueteam.com

LUXEMBOURG

BOURSE DE LUXEMBOURG

Société De La Bourse De Luxembourg

société anonyme

Tel: (352) 47 79 36 - 1 Fax: (352) 47 32 98 Email: info@bourse.lu

**Address:** 11, av de la porte -neuve, l-2227

luxembourg

Mailing

address: B.p. 165, l-2011 luxembourg, www.

bourse.lu

CLIENT RELATIONSHIP MANAGEMENT

(CRM)

Tel: +352 47 79 36 - 529 Fax: +352 26 26 51 - 269 Email: info@bourse.lu

LUX CSD

General business

Tel: +352-243-32542 Email: reach.us@luxcsd.com

Issuance information

Tel: +352-243-27091 Email: newissues@luxcsd.com

Customer support team
Tel: +352-243-32820

Tel: +352-243-32820 Fax: +352-243-632820 Email: cslux@luxcsd.com

The London Stock Exchange Group is establishing a new central securities depositary in Luxembourg,

SERVICE PROVIDERS

CACEIS

Olivier Storme

Head of Business Development

Tel: + 352 47 67 2306

Email: olivier.storme@caceis.com

Address: 5, allée Scheffer, L-2520 Luxembourg

Web: www.caceis.com

HSBC

Brenda Petsche

Head of HSBC Securities Services, Luxembourg

**Tel:** + 352 40 4646 455 **Email:** brendapetsche@lu.hsbc.com

Address: HSBC Securities Services (Luxembourg)

SA, 16 Boulevard D'Avranches, PO Box 413, L-2014, Luxembourg

Web: www.hsbcnet.com/hss

KBL BANK

Didier Moens

Global Relationship Manager
Tel: 32.2.429.30.36

Email: didier.moens@kbcsecurities.be Address: Havenlaan 12, 1080 Brussels, Belgium

**RBC INVESTOR SERVICES** 

Simon Shapland

Head, Europe, Sales & Distribution

Tel: 352 2605 2667

Email: simon.shapland@rbc.com

Address: 14, Porte de France, L-4360 Esch-sur-

Alzette, Luxembourg

Web: www.rbcis.com

SOCIETE GENERALE SECURITIES SERVICES

Mathieu MAURIER

Global Head of Sales and Global Relationship

Management

Tel: + 33(0)1 41 45 98 65

**Email:** mathieu.maurier@sgss.socgen.com **Address:** SGSS, 189 rue d'Aubervilliers, 75886

Paris cedex 18, France

**TECHNOLOGY VENDORS** 

Tel: + 352 26 458255

Address: Power Payments Technologies, 1, Rue

Jean-Pierre Brasseur, 1258, Luxembourg

Web: www.powerpayments.eu

MALTA

MALTA STOCK EXCHANGE PLC

Tel: (+356) 21 244 051

Freephone: (+356) 8007 2287 (between 8am &

4pm) (+356) 25 696 316

Email: borza@borzamalta.com.mt

Address: Garrison Chapel,, Castille Place,, Valletta VLT 1063, Malta

CSD (MALTA) PLC

Web: www.borzamalta.com.mt/index.

php?option=com\_content&view=article

&id=61&Itemid=26

MALTACLEAR

Web: www.centralbankmalta.org/site/

domestic\_sss.htm

SERVICE PROVIDERS

**HSBC** 

Pierre Mifsud

Manager, Custody Operations **Tel:** 356 2597 2295

**Email:** pierremifsud@hsbc.com **Address:** 80, Mill Street, Qormi, Malta, Qm03

Web: www.hsbcnet.com

# **NETHERLANDS**

# **EUROCLEAR NEDERLAND**

Contact: Valérie Urbain 31 20 552 1500

Address: Euroclear NIEC, LCH.Clearnet SA, De

Nederlandsche Bank, Herengracht 459-469, 1st floor, 1017 BS Amsterdam, The

Netherlands

## SERVICE PROVIDERS

# ABN AMRO CLEARING

Geert Vanderbeke Head of Sales Europe Tel:  $+32\ 22\ 211\ 0481$ 

**Email:** geert.vanderbeke@be.abnamroclearing.

com Web: www.abnamroclearing.com Web: www.nl.abnamro.com

George Timmer

Director, Senior Sales Manager Tel: 31 2 05 27 11 45

Email: george.timmer@nl.abnamro.com Address: PO Box 243, 1000 AE Amsterdam

## **BNP PARIBAS SECURITIES SERVICES**

# **Erwin Reves**

Head of BNP Paribars Securities Services, Ne

31 20 550 12 51 erwin.reyes@bnpparibas.com Email: Address: 9, rue du Débarcadére-93500 Pantin Web: www.securities.bnppparibas.com

#### CITI

# **Bob Folmer**

Securities Country Manager 31 76 5438259 bob1.folmer@citi.com Email:

Address: Breda

www.citigroup.com Web:

# **DEUTSCHE BANK**

# Jan Treuren

Head of Product and Client Management

Tel: 31 20 555 4302 Email: jan.treuen@db.com

Address: Herengracht 450-454, Amsterdam 1017

CA

# **EUROCLEAR NEDERLAND**

# **Christian Goossens**

Director Tel:

+31 20 552 1532

**Email:** christian.goossens@euroclear.com Herengracht 459-469, 1017 BS Address: Amsterdam. The Netherlands

Web: www.euroclear.com

# KAS BANK NV

# Mark van Weezenbeek

Director, Head of Sales & Business Development

Tel: + 31 20 5575483

**Email:** mark.van.weezenbeek@kasbank.com P.O.Box 24001, 1000 DB Amsterdam, Address:

The Netherlands www.kasbank.com

# **NORWAY**

Web:

# SERVICE PROVIDERS

# DANSKE BANK

# Tom S.Jensen

Head of Group Trading and Investment Support

Tel: 45 45 14 38 50

tom.jensen@danskebank.dk Email: Address: Holmens Kanal 2-12, DK-1092 Copenhagen K, Denmark www.danskebank.dk Web:

### DNB BANK ASA

Bente I. Hoem

Head of Products & Network +47 23268226 Tel· +47 22482846 Fax: bente.hoem@dnb.no Email:

Address: Stranden 21, NO-0021 Oslo, Norway

www.dnb.no/custody

# NORDEA

#### Nina Groth

Head of Sub-custody and Clearing 45 3333 6124 Email: nina.groth@nordea.com

Address: Nordea, P.O.Box 850, 0900 Copenhagen

Web: www.nordea.com

#### SER

# Ulf Norén

Global Head of Sub-Custody, GTS Banks

Tel: +47 9342 0380 Email: ulf.noren@seb.no

Address: Filipstad Brygge 1, NO-0123 Oslo

Web: www.seb.se

# PORTUGAL

# **EURONEXT LISBON**

https://europeanequities.nyx.com/ markets/nyse-euronext/lisbon

#### INTERBOLSA

Interbolsa - Sociedade Gestora de Sistemas de Liquidação e de Sistemas Centralizados de Valores Mobiliários, S.A.

Tel: +351 22 615 84 00 +351 22 610 30 29 Fax:

Fax CVM: +351 22 618 98 26 Address: Avenida da Boavista, 3433 - 4100-138

Porto - Portugal

## BANCO DE PORTUGAL

Email: info@bportugal.pt

Address: R. do Comércio, 148 (1100-150 Lisboa)

# SERVICE PROVIDERS

# BANCO ESPÍRITO SANTO SA

## Celeste Costa

Senior Vice President Tel: 00351 21 3508843

Email: mcjcosta@bes.pt

Address: Avenida da Liberdade, 195 - 13rd floor, 1250-142 Lisboa, Portugal

Web: www.bes.pt

# BANCO SANTANDER TOTTA S.A.

# Martinha Costa

Senior Relationship Manager +351 21 370 53 58 Tel: + 351 21 370 59 13 Fax:

martinha.costa@santander.pt Email: Address: Centro Totta - Rua da Mesquita nº 6, Piso 2, Torre B, Porta A,1070-238 Lisboa

www.santandertotta.pt

# **BNP PARIBAS SECURITIES SERVICES**

# Fabrice Segui

Head of BNP Paribas Securities Services, Portugal

Tel: 351 210 44 2186

Email: fabrice.segui@bnpparibas.com Address: 9, rue du Débarcadére - 93500 Pantin,

France

Web: www.securities.bnppparibas.com

# CITI

# Giselle Toloi

Securities Country Manager Tel: 351 21 311 6352 Email: giselle.toloi@citi.com Address: Lisbon

Web: www.citigroup.com

## **DEUTSCHE BANK**

#### Ian Treuren

Head of Product and Client Management

Tel: 31 20 555 4302 jan.treuren@db.com Email:

Address: Herengracht 450; 1017 CA Amsterdam,

Netherlands

# MILLENNIUM BCP

# **International Division - Financial Institutions**

Group

+ 351 211137420 Tel:

Email: custody@millenniumbcp.pt and dint@

millenniumbcp.pt Web: www.millenniumbcp.com

# **SPAIN**

# **BOLSAS Y MERCADOS ESPAÑOLES,** HOLDING DE MERCADOS Y SISTEMAS **FINANCIEROS**

Web: www.bolsasymercados.es/ing/home.htm

#### **IBERCLEAR**

Web: www.iberclear.es/esp/Contacto.aspx

# **BANK OF SPAIN**

Address: Banco de España, C/ Alcalá, 48, 28014

Madrid

Tel: +(34) 91 338 50 00

# **SERVICE PROVIDERS**

# BANCO BILBAO VIZCAYA ARGENTARIA SA

Tel: +34 913 74 63 31 **Email:** clientrelations@bbva.com

BBVA S.A., C/ De la Fresneda 4, 28050, Address:

Madrid - Spain

Website: www.bbvacib.com Contacts: José Manuel Barcia

> Head of Institutional Custody Tel: +34 91 374 79 59 Email: jbarcia@bbva.com

Fernando García Rojo

Global Sales & Client Relation Europe

Tel: +34 913 74 83 52 Email: fer.garcia@bbva.com

José Luís Morante

Client Relation Europe & Investment

Tel: +34 913 74 68 83 Email: jose.morante@bbva.com

# CITI

# Rafael Gonzalez-Aller

Director of Sales

Tel: +34 91 538 4238

rafael.gonzalezaller@citigroup.com Email:

Web: www.citigroup.com

# DEUTSCHE BANK

# **Thomas Steimann**

Head of Custody Services, Spain 34 91 782 8569

Email: thomas.steinmann@eb.com Address: Paseo de la Castellana, 42 – 3rd floor,

28046 Madrid

# **RBC INVESTOR SERVICES SPAIN**

# Jaime Asian

Email:

Director, Business Development Spain Tel: +34 91 360 9900

jaime.asian@rbc.es

Address: Fernando el Santo, 20, CP-28010 Madrid

Web: www.rbcis.com

## **SANTANDER**

Mr. Joaquín Alfaro Garcia

MD / Head of Custody & Securities Services

(34) 91 289 10 05 Tel: joalfaro@gruposantander.com Email: Web: www.gruposantander.com

# SOCIETE GENERALE SECURITIES SERVICES

Monica Gonzalo Head of Sales, Spain Tel: 34 915 89 36 12

Email: monica.gonzalo@sgss.socgen.com Société Générale Madrid, SGSS, Address:

Cardenal Marcelo Spinola, 8-4. a Planta.

28 016 Madrid ESPANA

## SWEDEN

#### NASDAQ OMX STOCKHOLM

Address: 105 78 Stockholm, Sweden Visiting address: Tullvaktsvägen 15 Tel: +46 8 405 60 00

+46 8 405 60 01 Web: www.nasdaqomx.com/contactus/

regionaloffices

## **EUROCLEAR SWEDEN AB**

Yannic Weber

Fax:

Tel: 46 8 402 90 00

Address: PO Box 191, 101 23 Stockholm, Sweden

#### **SVERIGES RIKSBANK**

Tel: +46 8 787 00 00 Fax: +46 8 0821 05 31 Email: registratorn@riksbank.se

Press service:

+46 8 08 787 02 00

Postal

address: SE-103 37 Stockholm

Visiting

address: Brunkebergstorg 11

## **SERVICE PROVIDERS**

# CITI

Ola Mjorud

Securities Country Manager Tel· +46 8723 3467 +46 611 4843 Fax: **Email:** ola.mjorud@citi.com

Address: Box 1422, SE-111 84 Stockholm, Sweden

Web: www.citigroup.com

# **DANSKE BANK**

Tom S Jensen

Head of Group Trading and Investment Support

45 45 14 38 50

tom.jensen@danskebank.dk Email: Holmens Kanal 2-12, DK 1092 Address: Copenhagen K, Denmark

DNB

Bente I. Hoem

Head of Products & Network Tel: +47 23268226 +47 22482846 Fax: **Email:** bente.hoem@dnb.no

Address: Stranden 21, NO-0021 Oslo, Norway

Web: www.dnb.no/custody

# HANDELSBANKEN CUSTODY SERVICES

Petter Kjellevold

Head of Handelsbanken Custody Services

46 8 701 28 88 Tel: Fax 46 8 701 29 90

pekj02@handelsbanken.se Email:

Blasieholmstorg 12, 106 70 Stockholm, Address:

www.handelsbanken.se Web:

# **NORDEA**

Nina Groth

Head of Sub-Custody and Clearing

Tel: 45 3333 6124

**Email:** nina.groth@nordea.com Web: www.nordea.com

SEB

Ulf Noren

Global Head of Sub-Custody Client Relations

Tel: +4793420380

Email: ulf.noren@seb.se or globalclients@seb.se Address: PO BOX 1843 Vika, Filipstad Brygge 1,

NO-0123 OSLO, Norway

Web: www.seb.se

# SWEDBANK CUSTODY

**Carl-Magnus Brustrom** Head of Client Relations +46 8 58 59 36 27 Tel:

carl-magnus.brustrom@swedbank.se Email: Swedbank AB - Custody E63 - 105 34 Address:

Stockholm, Sweden

Web www.swedbank.com

# **TECHNOLOGY VENDORS**

# CINNOBER FINANCIAL TECHNOLOGY AB

Tel· +46 8 503 047 00

Address: Kungsgatan 36, SE-111 35, Stockholm,

Sweden

Web: www.cinnober.com

#### **ORC SOFTWARE**

Tel: +46 8 506 477 00

Address: P.O.BOX 7742, SE-103 95, Stockholm,

Sweden

Web: www.orcsoftware.com

**CMA** 

+ 46 8 56630800

CMA Small Systems AB, Hälsingegatan Address:

40, Box 6463, 11382, Stockholm, Sweden

Web: www.smallsystems.cma.se

NEONET

Tel:

+46 8 454 15 00

Address: Kungsgatan 36, Stockholm, Sweden

www.neonet.com

# **SWITZERLAND**

# SIX SIS

Web: www.six-securities-services.com/en/

home.html

# SIX SWISS EXCHANGE

Tel: +41 58 399 5454 +41 58 499 5455 Fax:

Address: SIX Swiss Exchange Ltd, Selnaustrasse

30, Postfach, CH-8021 Zurich, Switzerland

Web: www.six-swiss-exchange.com/index\_

en.html

# **SWISS NATIONAL BANK**

+41 44 631 31 11 +41 44 631 39 11 Fax: S.W.I.E.T: SNBZCHZZ80A Email: snb@snb.ch

Address: Swiss National Bank, Börsenstrasse 15, P.

O. Box.

CH - 8022 Zurich Web: www.snb.ch/en/

# **SERVICE PROVIDERS**

# **BNP PARIBAS SECURITIES SERVICES**

# **Neil Collins**

Head of Sales & Relationship Management

Tel: +41 58 212 6320 Fax: +41 58 212 6360 Email:

neil.collins@bnpparibas.com Address: Limmatquai 4, P.O. Box 732, CH-8024

Zurich, Switzerland

Web: www.securities.bnppparibas.com

#### CITI

# Louise Krohn

Securities Country Manager - Switzerland

Tel: +49 69 1366 1600 louise.krohn@citi.com Email:

Address: Citi Global Markets AG & Co. KGaA. Reuterweg 16, 60323 Frankfurt am Main,

Germany

Web: www.citigroup.com

# CREDIT SUISSE

#### Markus Bhend

Director, Global Execution & Securities Services

Tel: +41 44 333 6909

Email: markus.bhend@credit-suisse.com Address: P.O.Box 100, Giesshubelstrasse 30, CH-

8070 Zurich

Web: www.credit-suisse.com

#### **JULIUS BAER**

# Michael Elber

Head of Global Network Tel: +41 58 887 4459

Email: michael.elber@juliusbaer.com P.O. Box 8010 Zurich, Switzerland Address:

Web: www.juliusbaer.com

**RBC** 

# Marco Siero

Managing Director, Switzerland Tel: 41 44 405 97 39 marco.siero@rbc.com Email:

Address: Badenerstrasse 567, P.O. Box 101, CH

8066 Zürich www.rbcis.com

Web: SIX SECURITIES GROUP

# Amy H Gutschenritter

Head of Global Client Relations Tel: 41 58 399 42 16

Email: amy.h.gutschenritter@six-group.com

Address: SIX Securities Services,

Brandschenkestrasse 47, CH 8022,

Zürich

# SIX SIS

Peter Hubli

Head of Customer Relationship Management Tel: +41 44 288 45 76 Fax: +41 44 288 55 76

peter.hubli@sisclear.com Email: Address:

SIX SIS Ltd, Brandschenkestrasse 51, CH-8022 Zürich

#### Web: www.six-sis.com

# SOCIETE GENERALE SECURITIES SERVICES

Elisabeth Schmidt Head of Sales, Switzerland Tel: +352 22 88 51 1

Email: elisabeth.schmidt@sgss.socgen.com Address: SGSS, 16, Boulevard Royal, L-2449 Luxembourg, Luxembourg

# **UBS AG**

# Markus Urben

Head Global Custody Financial Institutions

Tel: 41 44 235 35 68 Email: markus.urben@ubs.com

Badenerstrasse 574, P.O.Box, CH-8098 Address:

Zurich

Web: www.ubs.com

# **TECHNOLOGY VENDORS** BBP AG

Tel: +41 56 2039630

Address: Bahnhofstrasse 28, 5401, Baden,

Switzerland

Web: www.bbp.ch **INCENTAGE** 

Tel: +41 43 3558600

Muelistrasse 18, CH-8320, Fehraltorf, Address:

Zurich, Switzerland Web: www.incentage.com

**PERAGO** 

Tel: + 41 41 7509750

Address: Seestrasse 8, CH-6314, Oberaegeri,

Switzerland www.perago.com

Web: PROFIDATA AG SERVICES

+41 44 736 47 47 Tel:

Address: In Luberzen 40, 8902 Urdorf, Switzerland

www.profidatagroup.com Web:

STERCI SA

+ 41 22 7080202 Tel

33 Rue des Bains, 1205, Geneva, Address:

> Switzerland www.sterci.com

**TEMENOS** 

Web:

Web:

Tel: + 41 22 7081150

Address: Temenos Headquarters SA, 18 Place

des Philosophes, CH - 1205, Geneva,

Switzerland www.temenos.com

UNITED KINGDOM

LONDON STOCK EXCHANGE

Tel: 020 7797 1000

Address: 10 Paternoster Square London EC4M

Web: www.londonstockexchange.com/home/

homepage.htm

**LCH.CLEARNET** 

+44 (0) 20 7426 7000

Aldgate House, 33 Aldgate High Street, Address:

London EC3N 1EA Web: www.lchclearnet.com

COMPUTERSHARE INVESTOR SERVICES PLC

Tel: 44 (0) 870 889 3105

Address: The Registrar, Computershare Investor

Services PLC, The Pavilions, Bridgwater Road, BRISTOL BS99 6ZZ, United

Kingdom

**EUROCLEAR UK & IRELAND LIMITED** 

Contact: John Trundle 44 20 7849 0000 Tel:

33 Cannon Street, London EC4M 5SB, Address:

United Kingdom

SERVICE PROVIDERS

BANK OF AMERICA MERRILL LYNCH

**EMEA** Rita Cordes Bank of America

+44(0)2079951282 Tel: Mail Code: 473-808-03-01

Address: Mlfc Main, 2 King Edward St, London,

EC1A 1HQ, United Kingdom

**BBVA** 

Sergio Ricardo Liporace Gullo

44-2033-793-980 Tel: Sgullo@bvmf.com.br Email:

Address: 4th Floor, One New Change, London,

EC4M 9AF

BNP PARIBAS SECURITIES SERVICES

Iason Nabi

Coverage - Financial Institutions Tel: +44 207 595 1640 Email: jason.nabi@bnpparibas.com Address: 55 Moorgate, London EC2R 6PA www.securities.bnppparibas.com Web:

BNY MELLON

Avere Hill Managing Director

+44 207 964 6105 Tel: Email: ahill@bankofny.com www.bankofny.com Web:

CITI

Richard Barber Director of Sales

Tel: +44 207 500 5462

Email: richard.barber@citigroup.com

Web: www.citigroup.com

**HSBC** 

**Alistair Jones** 

Head of Custody, Europe

Address: HSBC Bank plc, Level 29, 8 Canada

Square, London, E14 5HQ Tel: + 44 (0)20 7991 0238 Email: alistair.jones@hsbc.com Web: www.hsbcnet.com/hss

Carl Andrews

Head of HSBC Securities Services, Scotland Address: HSBC Bank plc, 1-2 Lochside Way, Edinburgh Park, Edinburgh, EH12 9DT,

Scotland

Tel: + 44 (0) 131 338 2005 carl.andrews@hsbc.com Email: Web: www.hsbcnet.com/hss

INVESTMENT EDUCATION PLC

Michael Stern

Chief Executive

Tel: +44 161 832 3800 +44 161 835 2070 Fax:

**Email:** mstern@investmenteducation.net Address: Oddfellows House, 40 Fountain St,

Manchester M2 2BE

www.InvestmentEducation.net Web:

I.P.MORGAN

Francis Jackson Managing Director

Tel: +44 (0) 207 7325 3742 francis.jackson@jpmorgan.com Email: Address: 60 Victoria Embankment, Floor 4,

London, EC4Y 0JP

Web: www.jpmorgan.com

KAS BANK

Mark van Weezenbeek

Business Development Manager + 31 20 5575483

**Email:** mark.van.weezenbeek@kasbank.com Address: 10 Old Broad Street, London EC2N 1AA,

United Kingdom www.kasbank.com

Web:

Address: RBC Investor & Treasury Services,

Riverbank House - 2 Swan Lane, London, UK EC4R 3AF, United Kingdom

Web: www.rbcits.com

SOCIETE GENERALE SECURITIES SERVICES

Andrew Duffin

Senior Sales and Global Relationship Management

Executive

Tel: 44 (0) 207 762 4064 **Email:** 

**TECHNOLOGY VENDORS** 

andrew.duffin@sgss.socgen.com Address: Societe Generale - 3rd Floor- 5 Devonshire Square, Cutlers Gardens,

London EC2M 4YD, UK

**ABOVENET** 

Tel. + 44 20 72203800

Brandon House, 180 Borough High Address:

Street, London, SE1 1LW, United

Kingdom

Web: www.abovenet.co.uk

ACCUITY

+ 44 20 70143480 Tel:

Address: 1 Quality Court, Chancery Lane,

London, WC2 1HR, United Kingdom

Web: www.AccuitySolutions.com

ACE SOFTWARE SOLUTIONS

Tel: + 44 208 9719550

53 St George's Road, Wimbledon, Address: London, SW19 4EA, United Kingdom

Web: www.acesw.com

ACTIV FINANCIAL

Tel: +44 203 178 3608

Address: 60 Lombard Street, London, EC3V 9EA,

United Kingdom

www.activfinancial.com Web:

ADVENT

Tel· +442076319240

Address: 1 Bedford Ave, London, WC1 3AU,

United Kingdom Web: www.advent.com

ALGO TECHNOLOGIES LTD.

Tel: +44 203 301 6399 Dashwood House, 69 Old Broad Street, Address:

London, EC2M 1QS

www.algotechnologies.com Web:

ALLIED TESTING

Address: 36 St.George Street, London, UK W1S

2FW, United Kingdom Tel: + 44 (0) 20 7529 1479 www.alliedtesting.com Web:

**BI-SAM LTD** 

Tel: + 44 203 0085830

1 Cornhill, London, EC3V 3ND, United Address:

Kingdom

Web: www.bi-sam.com

**BLOOMBERG EMSX** 

Tel: +44 207 3307500 London, United Kingdom Address:

www.bloomberg.com/enterprise/ trading\_solutions/

**BLOOMBERG TRADEBOOK** +44 207 3307099

Address: London, United Kingdom Web: www.bloombergtradebook.com

**BONAIRE - A BROADRIDGE COMPANY** 

**Gary Liley** 

Bonaire UK Limited

Sales Director Tel: 00-44-207-763-6102

Email: gliley@bonairesoft.com 1 Royal Exchange Avenue, London,

EC3V 3LT

**BRAVURA SOLUTIONS** 

Tel: +44 207 9973000

Address: Austin Friars House, 2 - 6 Austin Friars, London, EC2N 2HD, United Kingdom

Web: www.bravurasolutions.com

**BROADRIDGE FINANCIAL SOLUTIONS** 

+44 207 5513000 Tel:

The ISIS Building, 193 Marsh Wall, Address:

London, E14 9SG, United Kingdom Web: www.broadridge.com

ВТ

Tel: +44 77 75768172 Address: 81 Newgate Street, London, EC1A 7AJ,

United Kingdom www.bt.com/globalservices

**BURNS STATISTICS** 

Web:

+44 (0)20 8525 0696 Tel:

4-b Jodrell Road, London, E32LA, United Address:

Kingdom

Web www.burns-stat.com

C24 TECHNOLOGIES

+44 20 7117 0024 Tel:

Address: Marc House, 13-14 Great St Thomas

Apostle, London, EC4V 2BB, United

Kingdom Web: www.c24.biz

**CADIS** 

+44 207 0338888 Tel:

1st Floor Charlotte House, 47 - 49 Address:

Charlotte Road, London, EC2A 3QT, United Kingdom

Web: www.cadisedm.com

**CALASTONE** 

Tel: +44 207 3675920

Address: King's House, 36-37 King Street, London

EC2V 8BB, United Kingdom

Web: www.calastone.com

**CASHFAC** 

Tel: +44 20 79200617

Address: 14 Austin Friars, London, EC2N 2HE,

United Kingdom

CHARLES RIVER DEVELOPMENT, LTD.

+ 44 207 3976800 Tel:

Address: Sixth Floor, 6 Devonshire Square,

London, EC2M 4YE, United Kingdom www.crd.com

Web:

+44 20 76281260 Tel:

Address: 386 Salisbury House, London Wall, London, EC2M5UP, United Kingdom

Web: www.citynetworks.co.uk

**CLS** 

Tel: +44 20 79715700

Address: Exchange Tower, One Harbour Exchange

Square, London, E14 9GE, United

Kingdom

Web: www.cls-group.com

**CORERO** 

+44 (0) 207 392 1300 Tel:

17 - 29 Sun Street, London, United Address:

Kingdom, EC2M 2PT Web: www.corero.com

CORVIL

Tel: +44 207 1531954

Address: 15th Floor, City Point, 1 Ropemaker

Street, London, EC2Y 9HT, United

Kingdom www.corvil.com

Web: COG

Tel: +44 207 8278270

Address: 21 St. Thomas Street, London, SE1 9RY,

United Kingdom

Web: www.cqg.com

**DOW JONES** 

Address: Commodity Quay, East Smithfield,

London, E1W 1AZ, United Kingdom

Web: www.fis.dowjones.com/products/risk.

html

**DST GLOBAL SOLUTIONS** 

+44 207 6281234

Address: 4th Floor, 17 Dominion Street, London,

EC2M 2EF, United Kingdom Web: www.dstglobalsolutions.com

EAGLE INVESTMENT SYSTEMS

Tel· +44 (0)20 7163 5700

Address: The Bank of New York Mellon Financial

> Centre, 160 Queen Victoria St, London, EC4V 4LA, United Kingdom

Web: www.eagleinvsys.com

EARTHPORT PLC

Tel: + 44 20 72209700

Address: 21 New Street, Bishopsgate, London,

EC2M 4TP, United Kingdom

Web: www.earthport.com

ERI BANKING SOFTWARE Tel· + 44 20 79874859

Address: Exchange Tower, Building 1 Suite 6.01,

Harbour Exchange Square, London, E14

9GE, UNITED KINGDOM Web: www.eri.ch and www.olympic.ch

euNETWORKS FIBER UK LTD

+44 20 7952 1300 Tel:

Address: 15 Worship Street, London EC2A 2DT,

United Kingdom

Web: www.eunetworks.com

**EXPONENTIAL-E LIMITED** 

Tel: +44 (0) 845 230 6001

Address: Central House, 25 Camperdown Street,

London, E1 8DZ, United Kingdom

Web: www.finance.exponential-e.com

**FACTBOOK** 

Tel: +44 20 7036 0309

London City Office, 5, St Helen's Place, Address:

London, EC3A 6AU, United Kingdom

www.factbook.co.uk Web:

**FIDESSA** 

Web:

Web:

Tel: +44 (0) 20 7105 1000

One Old Jewry, London, EC2R 8DN, Address:

United Kingdom www.fidessa.com

FINANCIAL TRADEWARE

+44 (0)20 7493 2773 Tel:

31 Dover Street, London, W1S4ND Address:

United Kingdom www.f-tradeware.com

FINGERTIP DEVELOPMENTS

+44 (0)20 7100 9280 Tel:

Address: 7 Curtain Road, London, EC2A 3LT,

United Kingdom

Web: www.fingertip-developments.com

FIXNETIX

Tel: +44 (0) 203 008 8990

Address: Headquarters, 33 Grosvenor Place, London SW1X 7HY, United Kingdom

www.fixnetix.com

Web:

**GATElab** 

Tel: +44 (0)20 3178 4726

Head Office, 9 Devonshire Square, Address:

London EC2M 4YF, United Kingdom

Web: www.gatelab.com

**GL TRADE** 

Tel: +44 207 665 620

Cheapside House, 134-147 Cheapside, Address: London, EC2V 6BJ, United Kingdom

Web: www.gltrade.com

GRESHAM COMPUTING PLC

Tel: + 44 20 76530200 28 Queen Street, EC4R 1BB, London, Address:

United Kingdom

Web: www.gresham-computing.com HORIZON SOFTWARE UK LTD.

+44 (0)207 831 2279

Address: 3 Dyers Buildings, London, EC1N2JT,

United Kingdom Web: www.hsoftware.com

Tel: +44 (0)118 378 8239

Address: PO Box 242, Reading, RG6 6BA, United

Kingdom

INTERACTIVE DATA CORPORATION

Tel: +44 (0)20 7825 8000

Address: Fitzroy House, 13-17 Epworth Street,

London EC2A 4DL, United Kingdom

Web: www.interactivedata.com

**KURTOSYS** 

Tel: +44 (0)20 8605 9770

Address: Tuition House, 27-37 St Georges Road,

London SW19 4EU, United Kingdom

Web: www.kurtosys.com

**LOGICA** 

+44 20 74464141 Tel:

Address: 250 Brook Drive, Green Park, Reading,

RG2 6UA, United Kingdom

Web: www.logica.com

+44 (0)20 7384 5000 Tel:

Address: 21st Floor, Empress State Building,

Lillie Road, London, SW6 1TR, United

Kingdom

Web: www.lombardrisk.com

MANIFEST

Tel: +44 (0)1376 503500 Address: 9 Freebournes Court, Newland Street,

Witham, CM82BL, United Kingdom

Web: www.manifest.co.uk

Tel: + 44 20 7496 8100

Old Change House, 128 Queen Victoria Address:

Street, London, EC4V 4BJ, United

Kingdom

Web: www.microgen.com

MILESTONE GROUP

+44 20 7019 7190 68 Upper Thames Street, Vintners' Place,

Address: London EC4V 3BJ, United Kingdom

Web: www.milestonegroup.com.au

MISYS

Tel: +44 20 33205000 Address: One Kingdom Street, Paddington,

London, W2 6BL

Web: www.misys.com

**MONEYMATE** 

Tel: +353 1 671 6911 Trinity Technology & Enterprise Address:

Campus, Pearse Street, Dublin 2, Ireland,

United Kingdom Web: www.monevmate.com

NETIK

Tel: +44 (0)20 7293 8400

Address: Broken Wharf House, 2 Broken Wharf,

High Timber Street, London EC4V 3DT,

United Kingdom

Web: www.netik.com

+44 (0)20 7621 5800 Tel:

Address: Martin House 5, Martin Lane, London, EC4R ODP, United Kingdom www.odyssey-group.com

Web: **OMGEO** 

**ODYSSEY** 

Tel: 44.20.3116.2424

Aldgate House, 33 Aldgate High Street, Address:

London EC3N 1DL, United Kingdom

Web: www.omgeo.com

**PATSYSTEMS** 

+44 (0)20 7940 0490 Tel:

Address: Riverside House, 2A Southwark Bridge

Road, London, SE1 9HA, United

Kingdom

Web: www.patsystems.com

PETER EVANS

Tel: +44 (0)29 20402200

New Broad Street House, 35 New Broad Address: Street, London, EC2M 1NH, United

Kingdom

Web: www.peterevans.com

**QUANTHOUSE EUROPE/ASIA** 

Tel: +44 (0) 203 107 1676 Address: 10 Foster Lane, London, EC2V 6HR,

United Kingdom Web: www.quanthouse.com

**QUOD FINANCIAL HQ** 

Tel: +44 20 7997 7020

Address: 45 Moorfields, Moorgate, London EC2Y

9AE, United Kingdom Web: www.quodfinancial.com

RAPID ADDITION LIMITED

+44 20 7993 9906

Address: International House, 1-6 Yarmouth Place,

London W1J 7BU, United Kingdom www.rapidaddition.com Web:

RELIANCE GLOBAL

Tel: +44 (0) 208 636 1700

Units 1 & 2, Great West Plaza, Riverbank Address:

Way, Brentford, Middlesex, TW8 9RE,

United Kingdom

Web: www.relianceglobalcom.com

S1 ENTERPRISE

Tel: + 44 19 32574700

Culverdon House, Abbots Way, Chertsey, Address:

KT1L 9LE, United Kingdom

Web. www.slenterprise.com

SECTECH

+44 (0) 20 8289 8174 Tel:

Address: 204-206 High Street, Bromley, Kent, BR1

1PW, United Kingdom

Web: www.sectech.com

SIMCORP

Tel: +44 (0)20 7260 1900

Address: 100 Wood Street, London, EC2V 7AN,

United Kingdom

Web: www.simcorp.com

SINGULARITY

+44 (0)20 7826 4470

4th Floor, 101 Moorgate, London, EC2M Address:

6SL, United Kingdom

Web: www.singularity.co.uk

**SMARTSTREAM** 

+ 44 20 78980600

St Helen's, 1 Undershaft, London, EC3A Address:

8EE, United Kingdom

Web: www.smartstream-stp.com

Tel: +44 20 8410 9876

StatPro House, 81-87 Hartfield Road, Address:

Wimbledon, London SW19 3TJ, United

Kingdom

SYNERGY FINANCIAL SYSTEMS

Web: www.statpro.com Tel: + 44 115 9677990

Address: Synergy House, Highfields Science Park,

University Boulevard, Nottingham, NG7

2RF, United Kingdom www.synergy-fs.com

Web: **TAG** 

Web:

+44 (0)20 7788 7438 Tel:

Address: 26 York Street, London, W1U 6PZ,

United Kingdom

www.tagaudit.com

**TBRICKS** 

Tel: +44 (0) 20 709 789 77

Citypoint, 1 Ropemaker Street, EC2Y Address:

9HT, London, United Kingdom

Web: www.tbricks.com

TRACE FINANCIAL

Tel: + 44 20 78251000

Address: 224-232 St John Street, London, EC1V

4QR, United Kingdom www.tracefinancial.com Web:

Tel· + 44 158 2813204

Address: Drake House, Three Rivers Court,

Homestead Rd, Rickmansworth, Hertfordshire, WD3 1FX, United

Kingdom www.vocalink.com

Web: **VOLANTE TECHNOLOGIES** 

Tel: +44 (0)20 3178 2970

9 Devonshire Square, London, EC2M Address:

4YF, United Kingdom

WORLD-CHECK

+ 44 20 76478500

39 Dover Street, W1S 4NN, London, Address:

United Kingdom

www.world-check.com Web:

XSP

Tel: + 44 20 79592400

68 King William Street, London, EC4N Address:

7DZ, United Kingdom

Web: www.xsp.com

CENTRAL AND EASTERN EUROPE

**BOSNIA HERZEGOVINA** 

**SERVICE PROVIDERS** 

RAIFFEISEN BANK D.D.

Bettina Janoschek

Head of GSS Sales & Relationship Management

+43 1 717 0 7 1820 Tel:

Email: bettina.janoschek@rbinternational.com Address: 1030 Vienna, Am Stadtpark 9, Austria

**Boris Miskic** 

GSS Bosnia Sales & Relationship Management

Tel: +387-33-287-778

Email: boris.miskic@rbb-sarajevo.raiffeisen.at Address: Zmaja od Bosne bb, 71000 Sarajevo

Lejla Sabljica

Head of Global Securities Services Bosnia

Tel: +387 33 491 777 Fax: +387 33 491 823

lejla.sabljica@unicreditgroup.ba **Email:** 

VOJVODJANSKA BANKA A.D. NOVI SAD

Tel: +381 21 4886 705, 4886-715, 4886-710 +381 21 613 283 Fax:

Email: custody@voban.groupnbg.com

or kastodi@voban.groupnbg.com

Address: Custody Manager Department, Trg

slobode 7, 21000 Novi Sad, Serbia

**BULGARIA** 

CENTRAL DEPOSITORY AD

Mariana Bogdanova

+ 359 2 939 19 89 Tel: m.bogdanova@csd-bg.bg Email:

http://193.22.248.196/EN\_site/index. Web:

php?menu=home

**BULGARIAN NATIONAL BANK (BNB)** 

Tel: (+3592) 91459 (Switchboard) Telefax: (+3592) 980-24-25; (+3592) 980-64-93

BNBGBGSF S.W.I.F.T.:

Reuters:

**Email:** press\_office@bnbank.org 1, Knyaz Alexander I Sq., 1000 Sofia, Address:

BNB Cash Centre Address: 10, Mihail

Tenev Str., Poligona, 1784 Sofia, Bulgaria

**SERVICE PROVIDERS** 

CITI

Yavor Dojdevski

AD. Head of Securities Services and Financial

Institutions

+ 359 2 917 6581 Tel:

Address: 49B Bulgaria Blvd, Entr. A, floor 7, 1404

Sofia, Bulgaria www.ing.bg Web:

EUROBANK BULGARIA

Daniela Georgieva

Head of Custody department Tel: +359 2 8166238 Fax: +359 2 9888131

Email: dgeorgieva@postbank.bg

RAIFFEISENBANK BULGARIA EAD

Bettina Janoschek Head of GSS Sales & Relationship Management

Tel: +43 1 717 0 7 1820

bettina.janoschek@rbinternational.com Email: Address: 1030 Vienna, Am Stadtpark 9, Austria

Radoslav Ivanov Head of GSS Bulgaria Sales & Relationship

Management

+359 2 94 34 407 Tel: radoslav.ivanov@raiffeisen.bg Email: Sofia 1504, Str. Gogol 18-20

SOCIETE GENERALE SECURITIES SERVICES

Nikolay Nikolov Head of Domestic & Cross-Border Operations

359 52 686 281 Tel:

Nikolay.Nikolov@socgen.com Email:

UNICREDIT

Veselin Stefanov Head of Global Securities Services Tel: +359 2 923 2818

Fax: +359 2 923 2501 Email: veselin.stefanov@unicreditgroup.bg

UNITED BULGARIAN BANK

Vanya Mladieva

Securities Broker, Investment Banking Division

Tel: 359 2 811 3751 Email: mladjeva\_v@ubb.bg

CROATIA

SKDD D.D, THE CENTRAL DEPOSITORY & **CLEARING COMPANY INC** 

Address: Heinzelova 62a, p.p. 409, 10002 ZAGREB

Tel: (+385) 01 4607 330 (+385) 01 4677 696 Fax:

skdd@skdd.hr Email: www.skdd.hr/ Web:

CROATIAN NATIONAL BANK

Tel· + 385 1 45 64 555 + 385 1 45 50 726 Fax: SWIFT: NBHRHR2X

Address: Trg hrvatskih velikana 3, 10002 Zagreb,

Croatia

www.hnb.hr/eindex.htm

SERVICE PROVIDERS

ERSTE & STEIERMÄRKISCHE BANK DD

Anamarija Smolic

Head of Custody Services +385 62 37 1344 Tel: Fax: +385 62 37 1905 **Email:** custody@erstebank.com

RAIFFEISENBANK AUSTRIA D.D.

Bettina Janoschek

Head of GSS Sales & Relationship Management

+43 1 717 0 7 1820

bettina.janoschek@rbinternational.com Email: Address: 1030 Vienna, Am Stadtpark 9, Austria

Ana Jaklin

Head of GSS Croatia Sales & Relationship

Management

Tel: +385 1 6174 137 ana.jaklin@rba.hr **Email:** 

Address: Magazinska 69, 10 000 Zagreb, Croatia

SOCIETE GENERALE SECURITIES SERVICES

Marina Šonje Tomorad

Sales Manager

Tel: +385 1 6327 986 Fax: +385 21 433 294

Email: marina.sonje@splitskabanka.hr Web: www.sg-securities-services.com

ZAGREBACKA BANKA D.D. (UNICREDIT)

Snjezana Bruncic

Head of Relationship Management Tel: +385 1 6305 400

snjezana.bruncic@unicreditgroup.zaba. Email:

hr

Web: www.zaba.hr

**CZECH REPUBLIC** 

CENTRAL SECURITIES DEPOSITORY

Rybna 14, 110 05 Praha 1e-mail: cdcp@pse.cz

data box: 9ffs4yk

Information for securities owners (legacy, coupon

books, etc.):

Tel: +420 221 832 175,

+420 221 832 416, +420 221 832 162,

+420 221 832 177

Information for shareholders:

+420 221 832 182, +420 221 832 234, Tel:

+420 221 832 236, +420 221 832 237

CEO office: +420 221 832 803

BURZA CENNYCH PAPIRU SYSTEM, THE CNB'S CASH CLEARING CENTRE

Telephone numbers:

Switchboard: +420 221 831 111 Secretariat: +420 221 832 204 **Trading Dept:** +420 221 832 146 info@pse.cz / marketdataservices@ Email:

ceeseg.com

Address: Prague Stock Exchange, Rybna 14,

Prague 1, 110 05

SERVICE PROVIDERS

**CESKA SPORITELNA AS** 

Richard Baran

Head of the Custody Department +420 224 995 950

**Email:** rbaran@csas.cz

Jaromir Javurek

Head of Securities Services Tel: +420 257 474 343 +420 257 474 421 Fax:

Address: Nadrazni 25, 150 00 Prague 5, Czech

Republic

Web: www.ing.cz

CSOB

Radovan Tlamsa

Tel: +420 261 359 131 Email: rtlamsa@csob.cz Web: www.csob.cz

DEUTSCHE BANK

Ales Polasek

Head of Direct Securities Services Czech Republic

Tel: +420 221 191 351 Fax: +420 221 191 353 Email: ales.polasek@db.com Web: www.tss.db.com

RAIFFEISENBANK A.S.

RBI offers Securities Services covering 15 markets in the CEE region. RBI acts as local expert on behalf of its clients in the domestic markets supported by a central regional set-up. The long-term commitment to the business, sustainable client relationships and client satisfaction are the Group's prime objectives.

Bettina Janoschek

Head of GSS Sales & Relationship Management

+43 1 717 0 7 1820 Tel:

Email: bettina.janoschek@rbinternational.com Address: 1030 Vienna, Am Stadtpark 9, Austria

Vit Cermak

Head of GSS Czech Republic Tel: +420 234 40-1481 Email: vit.cermak@rb.cz

Address: Hvězdova 1716/2b, 140 78 Praha 4

SOCIETE GENERALE SECURITIES SERVICES

Mathieu Maurier

Global Head of Sales and Global Relationship

Management

Tel: + 33(0)1 41 45 98 65

Email: mathieu.maurier@sgss.socgen.com

UNICREDI'

Michal Stuchlik

Head of Global Securities Services - Czech Republic

Tel: +420 955 960 780

Email: michal.stuchlik@unicreditgroup.cz

Web: www.unicreditgroup.cz

**ESTONIA** 

NASDAQ OMX TALLINN

Information about registry services

Tel: +372 640 8840 Fax: +372 640 8801 Email: info@e-register.ee Web: www.e-Register.ee

Information about CSD services

+372,640,8870 Tel: Fax: +372 640 8801 Email: csd@e-register.ee www.e-register.ee Web:

Address: Tartu mnt 2, Tallinn 10145, Estonia

**SERVICE PROVIDERS** 

Ulf Norén

Global Head of Sub-Custody Client Relations

47-22-827078

Fax: 47-22-827171 **Email:** ulf.noren@seb.se

Address: Filipstad Brygge 1, PO BOX 1843 Vika,

NO-0123 OSLO, Norway

Web: www.seb.ee

**SWEDBANK** 

Tiina Norberg

Head of Securities Services Tel: +372 613 1809 +372.613.1822 Fax:

**Email:** tiina.norberg@swedbank.ee Address: Liivalaia 10, Tallinn 15040 ESTONIA

Web: www.swedbank.ee

**HUNGARY** 

**BUDAPEST STOCK EXCHANGE (BSE)** 

+36-1-429-6700 Info line: +36-1-429-685 +36-40-233-333 +36-1-429-6800 Fax:

info@bse.hu Email: Address: H - 1364 Budapest, Pf. 24.

KELER LTD.

Mr. György Dudás Chief Executive Officer Tel: (+36-1) 483-6116

Email: dudas.gyorgy@keler.hu Web: www.keler.hu

NATIONAL BANK OF HUNGARY (NBH)

Magyar Nemzeti Bank (the central bank of Hungary)

1054 Szabadság tér 8/9 Tel: +36 1 428-2600 Telefax: +36 1 429-8000

**General information:** +36 1 428-2752

Address: 1850 Budapest

Meeting with investors and analysts

Email: meeting@mnb.hu

Web: http://english.mnb.hu/Root/ENMNB/

Monetaris\_politika/market-information/ organising-meetings-with-investors-and-

analysts

**Communications Department** 

+36 1 428-2751 +36 1 429-8000 Telefax: info@mnb.hu **Email:** 

**SERVICE PROVIDERS** 

BNP PARIBAS SECURITIES SERVICES

Theofilos Mitsakos

General Manager

+36 1 374 61 61 Tel: Fax: +36 1 302 09 16

theofilos.mitsakos@bnpparibas.com Email: Address: Roosevelt ter 7/8, H-1051 Budapest,

Web: www.securities.bnpparibas.com

CITI

Hajnalka Bor

Head of Securities Services Tel: + 36 1 235 8764 + 36 1 235 8798 Fax: Email: deli.iren@ing.hu

Address: H-1068 Budapest, Dózsa György út

84/b., Hungary www.ing.hu

Web: **DEUTSCHE BANK** 

Katalin Bota

Head of Product & Client Management

Tel: +36 1 301 3774 **Email:** katalin.bota@db.com www.tss.db.com Web:

#### **ERSTE BANK HUNGARY**

Magdolna Nagy

Head of Custody Services Tel: 36 1 235 5812

magdolna.nagy@erstebank.hu Email: Address: Nepfurdo u. 24-26, Budapest, Hungary

H-1138

Web: www.erstebank.hu **KBC SECURITIES SERVICES** 

# Daniel Kormoczi

Vice President

Tel: +361 483-4051 +361 483-4001 Fax:

Email: Daniel.kormoczi@kbcsecurities.hu Address: 1051 Budapest Roosevelt ter 7/8.

Web: www.khb.hu RAIFFEISEN BANK ZRT.

# Bettina Janoschek

Head of GSS Sales & Relationship Management

+43 1 717 0 7 1820 Tel:

bettina.janoschek@rbinternational.com **Email:** Address: 1030 Vienna, Am Stadtpark 9, Austria

# **Babett Pavlics**

Head of GSS Hungary Tel: +36-1-484-4395

babett.pavlics@raiffeisen.hu Email: Address: 1054 Budapest, Akadémia u. 6

## UNICREDIT

#### Lívia Mészáros

Deputy Head of Gss, Senior Relationship Manager

Tel: +36 1 301 1921 Fax: +36 1 475 3043

livia.meszaros@unicreditgroup.hu Email: Address: H-1054 Budapest, Szabadság tér 5-6.

Web: www.unicreditbank.hu

# LATVIA

#### LATVIJAS CENTRALAIS DEPOZITARIJS (LCD)

Web: www.nasdaqomxbaltic.com/lv/csds/

# **BANK OF LATVIA (BOL)**

www.bank.lv/en/

# NASDAO OMX

www.nasdaqomx.com/contactus/

regionaloffices

# SERVICE PROVIDERS

# **Andis Artmanis**

Head of Custody Services Latvia Tel: +371 - 67 21 57 33 Fax: +371 - 67 77 98 09 Email: Andis.Artmanis@seb.lv

Address: Unicentrs, Valdlauci, Kekavas Pag, Rigas

raj., LV-1076, Latvia

Web: www.seb.lv

# **SWEDBANK**

# Tiina Norberg

Head of Securities Services +372 613 1809 Tel· Fax: +372 613 1822

Email: Tiina.Norberg@swedbank.ee Address: Liivalaia 10, Tallinn 15040 ESTONIA

www.swedbank.ee Web:

# LITHUANIA

# THE CENTRAL SECURITIES DEPOSITORY OF LITHUANIA (CSDL)

Tel: +370 5 263 85 10 Fax: +370 5 272 16 76

Address: Lvovo g.25, LT-09320 Vilnius, Lithuania

#### SETTLEMENT CENTRE OF THE BANK OF LITHUANIA

Tel: +370 5 268 0029

+370 5 268 0038, 212 1501 Fax: **Email:** in...@lb.lt

Address: Totoriu str. 4, 01121 Vilnius

Communications Department

+370 5 268 0071, 268 0074 Fax: +370 5 268 0863 me...@lb.lt

# SERVICE PROVIDERS

Email:

## Gintautas Girzadas

Tel: 70 5 268 1469

**Email:** gintautas.girzadas@seb.lt

Web: www.seb.lt

# **SWEDBANK**

# Tiina Norberg

Head of Securities Services Tel: +372 613 1809 Fax: +372 613 1822

Email: tiina.norberg@swedbank.ee Address: Liivalaia 10, Tallinn 15040 ESTONIA

Web: www.swedbank.ee

# **POLAND**

#### WARSAW STOCK EXCHANGE

Książęca 4 00-498 Warsaw

Tel: (4822) 628 32 32 Fax: (4822) 628 17 54 Email: gpw@gpw.pl **Public Relations** Office: (48 22) 537 74 71

Web: www.gpw.pl/root\_en

# **KDPW**

# Katarzyna Borkowska

Director

Tel: (+48 22) 537 93 15 Fax: (+48 22) 627 31 14 bipip@kdpw.pl Email: Web: www.kdpw.com.pl

# NATIONAL BANK OF POLAND (NBP)

Tel: +48 22 653 10 00 +48 22 620 85 18 Fax:

Address: 00-919 Warszawa, ul. Świętokrzyska

# KRAJOWA IZBA ROZLICZENIOWA (KIR)

# The Management Board Secretary's Office

Tel: + 48 (22) 545-55-09 Fax: +48 (22) 545-55-99 Email: kir@kir.com.pl

Address: Krajowa Izba Rozliczeniowa S.A., 02-781

Warszawa, ul. rtm. W. Pileckiego 65

# **SERVICE PROVIDERS**

# BANK MILLENNIUM SA

# Janusz Brzeziński

Head of Custody Department Tel: 4822 5983387

janusz.brzeziński@bankmillennium.pl Email: UI.Żaryna 2a, 02-593, Warsaw Address: Web: ww.bankmillennium.pl

# BANK PEKAO UNICREDIT

Bank Pekao is among Poland's leading securities services providers in terms of assets under custody. It is the most experienced local custodian, chosen equally by international and domestic clients. As a clearing agent for the remote members of Warsaw Stock Exchange the Bank offers cash and derivatives clearing and securities lending and is an active participant in the Polish Custodian Banks Council.

#### Mariusz Piekos

Director of Foreign Clients Office Tel: +48 22 524 5852 Fax: +48 22 535 7714

**Email:** mariusz.piekos@pekao.com.pl Bank Pekao SA, Head Office Lipowy Address:

Office Park ul. Zwirki i Wigury 31 02-091 Warsaw, Poland

Web: www.pekao.com.pl

# BRE BANK S.A. Agnieszka Sowinska

# Vice Director

+48 22 829 04 06 Tel:

Email: agnieszka.sowinska@brebank.pl 21 Marynarska Str., 02-674 Warsaw Address: Web:

www.brebank.pl

#### CITI

#### Artur Binkiewicz

Securities Country Manager Tel: +48 22 657 7600 Email:a rtur.binkiewicz@citi.com

Address: Warsaw

Web: www.citigroup.com

# **DEUTSCHE BANK**

## Piotr Zaczek

Head of Direct Securities Services 48 (22) 579 9280 Tel: Email: piotr.zaczek@db.com

Address: UL.Armii Ludowej 26, 00-609 Warsaw

Web: www.tss.db.com

## **EUROCLEAR BANK BRANCH OFFICE**

Tel· 48 12 3639 710 Contact: Geert Desmedt

Address: Poland (Spółka Akcyjna), Ul. Puszkarska

7H, 30-644 Krakow, Poland

# KBC SECURITIES SERVICES

# Konrad Makowiecki

Vice President Securities Services

Tel: 48 22 581 0884

konrad.makowiecki@kbcsecurities.pl Email: Address: Chmielna 85/87, 00-805 Warsaw

Web: www.kbcsecurities.pl

# RAIFFEISEN BANK POLSKA S.A.

# Bettina Janoschek

Head of GSS Sales & Relationship Management

+43 1 717 0 7 1820 Tel:

bettina.janoschek@rbinternational.com Address: 1030 Vienna, Am Stadtpark 9, Austria

# SOCIETE GENERALE SECURITIES SERVICES

# Marek Rudnik

Head of Custody Sales, Poland Tel: 48 22 528 42 81

marek.rudnik@sgss.socgen.com Email: Address: Société Générale, Saski Point, ul.

Marszalkowska 111 00-102 Warsaw,

POLAND Web: www.sg-securities-services.com

# **ROMANIA**

# DEPOZITARUL CENTRAL S.A.

# Informatii generale:

(021) 408.58.00

Informatii Detinatori de instrumente financiare:

(021) 408.58.60; (021) 408.58.40; (021) 408.58.66; (021) 408.58.19 Bulevardul Carol I nr 34 - 36, etajele Address:

3,8 si 9, sector 2, cod postal 020922, Bucuresti

# **BUCHAREST STOCK EXCHANGE**

Tel: +40 (21) 307 95 00 +40 (21) 307 95 19 Fax: **Email:** bvb@bvb.ro

Address: Bulevardul Carol, Nr34 - 36, etaj 14, Sector 2, cod postal 020922, Bucuresti,

Romania

NATIONAL BANK OF ROMANIA (NBR)

Banca Nationala a Romaniei, 25 Lipscani Street, Sector 3, 030031 - Bucharest, Romania - Map (+4) 021 313 04 10, (+4) 021 315 27 50

**Public information:** 

**Extensions:** 2455, 2454, 2474 Fax: (+4) 021 312 38 31 Info@bnro.ro Email:

SIBEX

+40 269-211.798, +40 269-211.799, +40 Tel:

369-401.498

+40 269-211 153 Fax: **Email:** office@sibex.ro

9-10, Aurel Vlaicu Square 3rd Floor, Address: 550377 Sibiu, Romania, Nr. O.R.C.:

I32/28/1994, CUI: RO 658 4502

Web: www.sibex.ro

SERVICE PROVIDERS

BANCA COMERCIALA ROMANIA

Cristian Pascu

Head of Securities Back-Office Treasury Department

+40728851312 Tel: Fax: +40.21.302.1986 Email:

vasilecristian.pascu@bcr.ro Address: Bd. Regina Elisabeta 5, Sector 3,

Bucharest, Romania Web: www.bcr.ro

**BANCA ROMANEASKA** 

Roxana Plugaru

Manager Treasury Back-Office, Custody & Cash

Operations Dep.

40 21 305 9490 Tel: Email: roxana.plugaru@brom.ro

Address: 35 Unirii Blvd, bl. A3, District 3, 030822

Bucharest www.brom.ro

BANCPOST S.A. (EUROBANK GROUP)

Victor Popescu

Manager of Post-trading Services and Custody

Division

Web:

Tel: +4021 365 61 07 +4021 330 42 02 Fax:

victor.popescu@bancpost.ro Email: Address: Bancpost S.A., 6A Dimitrie Pompeiu Blvd, District 2, 020337 Bucharest,

Romania

Web: www.bancpost.ro

Cristian Agalopol

Securities Country Manager Tel: +40 21 203 5215

Email: cristian.agalopol@citi.com Address: 8, lancu de Hunedoara Blvd., 712042,

Sector 1, Bucharest

Web: www.citigroup.com

RAIFFEISEN BANK S.A.

Bettina Janoschek

Head of GSS Sales & Relationship Management

Tel: +43 1 717 0 7 1820

bettina.janoschek@rbinternational.com Email: Address: 1030 Vienna, Am Stadtpark 9, Austria

Andrei Mezdrea

Head of GSS Romania Tel: +40 21 306 12 89

Email: andrei.mezdrea@raiffeisen.ro

Address: 246D Calea Floreasca, 014476, Bucharest

1, Romania

SOCIETE GENERALE SECURITIES SERVICES

Mathieu Maurier

Global Head of Sales and Global Relationship

Management

Tel: + 33(0)1 41 45 98 65 Email: mathieu.maurier@sgss.socgen.com Address: SGSS, 189 rue d'Aubervilliers, 75886

Paris cedex 18, France

UNICREDIT

Irina Savastre

Head of Global Securities Services - Romania

Tel: 0040212002670 0040212002672/82 Fax: **Email:** irina.savastre@unicredit.ro

Address: 1F, Expozitiei Blvd. 012101, Bucharest 1,

Romania

Web: www.unicredit-tiriac.ro

**TECHNOLOGY VENDORS** 

**BUSINESS INFORMATION SYSTEMS (BIS)** 

Tel: + 40 21 2554577

Address: 23C, Calea Vitan, 3rd floor, 031281,

Bucharest, Romania www.bisnet.ro

**MICEX** 

Web:

Web: moex.com/en/

THE NATIONAL SETTLEMENT DEPOSITORY

(NSD)

Fax:

Hotlines: +7 (495) 234-48-27

+7 (495) 745-81-22 +7 (495) 956-09-38 info@nsd.ru

Email: 12, Spartakovskaya St., Moscow 105066, Address:

Russia

Web: www.nsd.ru/en/

SERVICE PROVIDERS

**CITI** 

Alexei Fedotov

Securities Country Manager +7 495 642 7665 Tel: Email: alexei.fedotov@citi.com

Address: ZAO Citibank (Subsidiary), 8-10 Gasheka Street, 125047 Moscow, Russia

Web: www.citigroup.com

**DEUTSCHE BANK** 

Ekaterina Kalinina

Head of Product & Client Management

Tel: +7 495 797 5253 Web: www.tss.db.com

**SBERBANK** 

Yury Dubin

Director, Custody Services +7 495 7473765 Tel· Fax: +7 495 9575765

Email: YVDubin@sberbank.ru

Address: 19 Vavilova St., 117997 Moscow, Russia

Web: www.sberbank.ru

SEB

Ulf Norén

Global Head of Sub-Custody GTS Banks +47 9342 0380

Tel: Email: ulf.noren@seb.no Address: Filipstad Brygge 1, NO-0123 Oslo,

Norway

Web: www.sebbank.ru

SOCIETE GENERALE SECURITIES SERVICES

**Anatoly Matukhin** 

Deputy Head of Rosbank Securities Services

+7 495 440 78 92 Tel: Fax: +7 495 725 76 98 **Email:** amatukhin@rosbank.ru

Address: 6 Veresaeva Street, 121357 Moscow, Russia

UNICREDIT

Alexander Nazarov

Relationship Manager Tel:

+7 495 258 7258 - 2830 Address: 9, Prechistenskaya Emb., 119034

Moscow, Russia

Web: www.unicreditbank.ru

**VTB** 

Web:

Nadezhda Ushakova

Senior Vice President - Head of Custody

7 495 739 7739 Tel· Fax: 7 495 783 1333

Email: nadezhda.ushakova@msk.vtb.ru Address: 43, Vorontsovskaya str. Moscow, 109044,

> Russia www.vtb.ru

ZAO RAIFFEISENBANK

Bettina Janoschek

Head of GSS Sales & Relationship Management

Tel: +43 1 717 0 7 1820

bettina.janoschek@rbinternational.com **Email:** Address: 1030 Vienna, Am Stadtpark 9, Austria

Evgenia Klimova

Head of GSS Russia

Tel: +7(495) 221 98 58

evgenia.Klimova@raiffeisen.ru Address: 119071 Moscow, Leninsky Prospekt 15

A, office 1716

**SERBIA** 

**SERVICE PROVIDERS** 

ERSTE BANK SERBIA

Sasa Mandic

Head of Custody Department. +381 (0)11 201 5055, Tel: sasa.mandic@erstebank.rs

EUROBANK

Danijela Rankovic

Head of Custody

+381 11 2022163 Tel: Email:

danijela.rankovic@eurobankefg.rs Address: Milutina Milankovica 7v, 11000 Belgrade

Web: www.eurobankefg.rs

RAIFFEISEN BANKA A.D.

Bettina Janoschek

Head of GSS Sales & Relationship Management Tel:

+43 1 717 0 7 1820 bettina.janoschek@rbinternational.com Email: Address: 1030 Vienna, Am Stadtpark 9, Austria

Ivana Novakovic

Head of GSS Serbia Sales & Relationship

Management

Tel: +381 11 220 7572

**Email:** Ivana.novakovic@raiffeisenbank.rs Address: Bulevar Zorana Djindjica 64a, 11070

Novi Beograd

SOCIETE GENERALE SECURITIES SERVICES

Marko MARKOVIC

Head of Custody Sales, Serbia Tel: 381 11 222 1 226

marko.markovic@socgen.com Email: Address: SGSS, Bld Avnoja 50 B 11070 NOVI

Beograd, Serbia

UNICREDIT

Jasmina Radičević

Head of Global Securities Services - Serbia

+381 11 3028 611 Tel: +381 11 2169 631 Fax:

jasmina.radicevic@unicreditgroup.rs Email: Address: SGS, Bld Avnoja 50 B 11070 Novi

Beograd

Web. www.unicreditbank.rs

# VOJVODJANSKA BANK AD NOVI SAD

Predrag Milosevic Head of Custody

+381 21 4886 705 Tel: +381 21 6613 283 Fax:

custody@voban.groupbng.com Email: Address: Trg Slobode 7, 21000 Novi Sad, Serbia

Web: www.voban.co.rs

# SLOVAK REPUBLIC

## CENTRALNY DEPOZITAR CENNYCH PAPIEROV SR, A.S.

+421(2) 52968751 / +421(2) 59 39 51 25 Tel:

+ 421 (2) 52 96 87 55 Fax: Email: international@cdcp.sk

Address: Ul. 29. augusta 1/A, 814 80 Bratislava,

Slovak Republic

# NATIONAL BANK OF SLOVAKIA

Address: Narodna banka Slovenska, Imricha

Karvasa 1, 813 25 Bratislava, info@nbs.sk

## SERVICE PROVIDERS

#### CITI

# Filip Zahorik

Securities Country Manager Tel: +421 2 33061 472 Email: filip.zahorik@citi.com

Address: Citibank (Slovakia) a.s. Bratislava Branch

(Subsidiary), Mlynske nivy 43, 825 01

Bratislava, Slovakia Web: www.citigroup.com

## CSOB-CESKOSLOVENSKA OBCHODNA **BANKA**

# Rastislav Capkovic

Head of Custody

+421 2 5966 8415 Tel: +421 2 5441 4811 Fax: **Email:** rcapkovic@csob.sk

Michalska 18, 815 63 Bratislava, Slovak Address:

Republic www.csob.sk

# Web:

# Bettina Janoschek

Head of GSS Sales & Relationship Management

Tel: +43 1 717 0 7 1820

**Email:** bettina.janoschek@rbinternational.com Address: 1030 Vienna, Am Stadtpark 9, Austria

# TATRA BANKA, A.S.

# Katarina Markova-Rusnakova

Head of GSS Slovakia

+421-2-5919 1882 Tel.

Email: katarina\_markova-rusnakova@

tatrabanka.sk

Address: Hodžovo nám. 3 / P.O.Box 42 - SR 850

05, Bratislava

# SLOVENSKÁ SPORITEĽŇA, A.S.

# Mariana Juhászová

Head of Bank relations, Custody & Funds

Administration

Tel: +421 2 4862 5479 Fax: +421 24862 7014 Email: juhaszova.mariana@slsp.sk

Address: Tomášikova 46, Bratislava 832 37,

Slovakia Web: www.slsp.sk

# UNICREDIT

# Matej Letko Custody Manager

Tel:

+421 2 4950 3701 Email: matej.letko@unicreditgroup.sk Address: UniCredit Bank Slovakia A.S., Šancová

1/A, 813 33 Bratislava Web: www.unicreditbank.sk

## **SLOVENIA**

# LJUBLJANA STOCK EXCHANGE (LJSE)

Tel: + 386 1 471 0211 386 1 471 0213 Fax: Email: info@ljse.si

Address: Ljubljanska borza, d. d., Ljubljana (Ljubljana Stock Exchange), Slovenska

56, 1000 Ljubljana, Slovenia Web: www.ljse.si

# NATIONAL BANK OF SLOVENIA (NBS)

+386 1 471 90 00 +386 1 251 55 16 Fax:

Address: Slovenska 35, 1505 Ljubljana, Slovenija

#### KDD D. D

Address: Tivolska cesta 48, 1000 Ljubljana,

Slovenija +386 1 307 35 00

Tel: Fax: +386 1 307 35 07

Email: info@kdd.si / prevzem@kdd.si

Web: www.kdd.si

# SERVICE PROVIDERS

# NLB DD LJUBLJANA

#### Sanja Breznik

Head of Custody Services Tel: +386 1 476 52 53

Email: sanja.breznik@nlb.si

Address: Nova Ljubljanska banka d.d., Copova 3,

1520 Ljubljana www.nlb.si

#### RAIFFEISEN BANKA D.D.

#### Bettina Janoschek

Head of GSS Sales & Relationship Management

+43 1 717 0 7 1820 Tel:

Email: bettina.janoschek@rbinternational.com Address: 1030 Vienna, Am Stadtpark 9, Austria

## Primoz Kovacic

Head of GSS Slovenia Tel: +386 2 2293 119

primoz.kovacic@raiffeisen.si Email: Zagrebška cesta 76, 2000 Maribor, Address:

Slovenia

# SOCIETE GENERALE SECURITIES SERVICES

# Vojislav KECOJEVIC

Head of Financial markets & custody back-office, Slovenia

Tel: 386 1 471 51 88 **Email:** Vojislav.Kecojevic@skb.si Address: SKB BANKA, Ajdovssecina 4, 1513

Ljubljana, Slovenia

# UNICREDIT

# Vanda Močnik Kohek

Head of Custody Services Department Slovenia

+386 1 58 76 450 Tel: Fax: +386 1 58 76 485 Email:

vanda.mocnik@unicreditgroup.si Address: UniCredit Banka Slovenija d.d., Wolfova

1, SI-1000 Ljubljana www.unicreditbank.si

Web:

# **UKRAINE**

# NATIONAL BANK OF UKRAINE

Tel: 253-01-80

Fax: 230-20-33, 253-77-50 01601, 9 Instytutska St., Kyiv 01601, Address:

Code AMTC 044 www.bank.gov.ua

Web: THE NATIONAL DEPOSITORY

OF UKRAINE (NDU)

Address: 3, B.Grinchenka Str., Kyiv, Ukraine,

Tel: (044) 279-65-40, 279-13-25

Fax: (044) 279-13-22 Web: www.csd.ua/index.php?lang=en

# SERVICE PROVIDERS

#### CITI

#### Gennadiy Zhurov

Tel: + 38-044-230-30-05; +38-044-230-30-30

Fax: +38-044-230-30-40

Gennadiy.Zhurov@ingbank.com Email: ING Bank Ukraine, 30a Spaska str, Kiev, Address:

04070, Ukraine

Web: www.ingukraine.com RAIFFEISEN BANK AVAL JSC

# Bettina Janoschek

Head of GSS Sales & Relationship Management

+43 1 717 0 7 1820

Email: bettina.ianoschek@rbinternational.com Address: 1030 Vienna, Am Stadtpark 9, Austria

# **Andrey Porada**

Head of GSS Ukraine +38044-495-40-03 Tel:

andrey.porada@aval.ua Email: Address: 01011 Kiev, 9 Leskova Str.

# Larisa Lapina

Head of Custody Services Ukraine 380442358516 Tel: 380442358516 Fax: Email: larisa.lapina@seb.ua

10 Chervonoarmiyska Str, Kiev UA-Address:

01004, Ukraine

Web: www.seb.ua

UNICREDIT

# Bohdana Yefremova

Head of Global Securities Services - Ukraine

+38 044 230 33 41 Tel. +38 044 235 97 37 Fax:

Email: bohdana.yefremova@unicreditgroup.

com.ua

14-A, Yaroslaviv Val Str, Kyiv 01030, Address:

Ukraine

Web: www.unicredit.com.ua

# AFRICA

# **BOTSWANA**

# CENTRAL SECURITIES DEPOSITORY OF **BOTSWANA (CSDB)**

**BOTSWANA STOCK EXCHANGE (BSE)** 

#### Web: www.bse.co.bw/csd.php

Tel: +267 318-0201,

Fax: +267 318-0175 **Address:** Exchange House, Office Block 6, Plot

64511, Fairgrounds, Private Bag 00417, Gaborone Botswana

# BANK OF BOTSWANA

360 6000 241 0450 / 240 0400

Headquarters: Francistown Branch, 17938, Khama Crescent, Gaborone, Botswana, Francistown, Botswana

Private Bag 154, Gaborone, Botswana, Postal. Private Bag F212, Francistown, Botswana

# STANBIC BANK BOTSWANA LTD

# Predrag Milošević

Head of Custody

Tel: 381 21 4886 705

predrag.milosevic@voban.groupnbg.com Email: Address: Trg Slobode 7, 21000 Novi Sad, Serbia

Web: www.standardbank.com

STANDARD CHARTERED BANK

Augustine Kwakye-Agyekum

Director, Transaction Banking, Investor &

Intermediaries, Africa 27 (0)11 217 6792 Tel:

augustine.kwakye-agyekum@sc.com Email:

Address: P.O.Box 496, Gaborone

Web: www.sc.com

**KENYA** 

NAIROBI SECURITIES EXCHANGE (NSE)

Tel: +254 20 2831000 +254 20 2224200 Fax:

55 Westlands Road, P O Box 43633 Address:

Nairobi 00100 Kenya

Email: info@nse.co.ke Web: www.nse.co.ke

THE CENTRAL DEPOSITORY SETTLEMENT **CORPORATION (CDSC)** 

Tel: +254 (20) 2912000, 2229407/08

Fax: +254 20 222 9405 Cell: 0724256130, 0733222033 helpdesk@cdsckenya.com Email:

Address: Nation Center, 10th Floor, Kimathi Street, P.O. Box 3464-00100 GPO

Nairobi

Web: www.cdsckenya.com/

THE CENTRAL BANK OF KENYA

Tel/Fax: +254-20-2860000 comms@centralbank.go.ke

Address: Haile Selassie Avenue, P.O Box 60000-

00200, Nairobi, Kenya

SERVICE PROVIDERS

**CFC STANBIC BANK** 

Karen Mwanza

Head of Custody Tel: +254 20 3 268 240

Fax: +254 20 246 180 Email: mwanzak@stanbic.com

Address: Stanbic Kenya Ltd, Kenyatta Avenue, PO

Box 30550, 00100, Nairobi, Kenya

Web: www.standardbank.com

STANDARD CHARTERED BANK Simon Cleary

Director, Transaction Banking, Global Product

Management

65 6596 4115 Tel: Email: simon.cleary@sc.com

Address: Barclays Plaza, Mezzanine 3, Loita

Streets, Nairobi www.sc.com

**MALAWI** 

Web:

**SERVICE PROVIDERS** 

STANDARD BANK MALAWI

Wilson Kuyokwa

Custody Manager

265 1 820 144 Ext 2132 Tel:

wilson.kuyokwa@standardbank.co.mw Email: Address: 1st floor Kaomba House, Cnr Glyn Jones

Road & Victoria Avenue, Blantyre

STANDARD BANK MALAWI

David Nkhwazi

Head of Custody

Tel: +265 1 820 144 x2154

Email: David.Nkhwazi@standardbank.co.mw Address: Cnr Victoria Avenue and Glyn Jones

Road, P O Box 111, Blantyre, Malawi

www.standardbank.com Web:

**MAURITIUS** 

STOCK EXCHANGE OF MAURITIUS (SEM)

Sunil Benimadhu

**Email:** 

Chief Executive

Address: 4th Floor, One Cathedral Square Building, 16, Jules Koenig Street, Port

Louis, Republic of Mauritius stockex@sem.intnet.mu

Tel: (230) 212-9541 Fax: (230) 208-8409

Web: www.stockexchangeofmauritius.com/

THE CENTRAL DEPOSITORY AND SETTLEMENT CO. LTD (CDS)

www.stockexchangeofmauritius.com/

introduction

**BANK OF MAURITIUS (BOM)** 

Tel: (230) 2023800, (230) 2023900

230 2089204 Fax:

Telex: 4253 MAUBNK IW - 4253 B MAUBNK

IW

Email: bomrd@bow.intnet.mu Official Communications: communications@bom.intnet.mu Governor's Office:

governor.office@bom.intnet.mu

Address: Sir William Newton Street, Port Louis,

Mauritius

Web: www.bom.mu/

**SERVICE PROVIDERS** 

**HSBC** 

Web:

Michel Rayeroux

Custody and Clearing Officer Tel: +230 403 1438 **Email:** securities@hsbc.co.mu

Address: 6th Floor, HSBC Centre, 18, Cybercity,

Web: www.hsbcnet.com

STANDARD BANK (MAURITIUS) LIMITED

Laksham Bheenick

Head of Investor Services Tel: 230 207 9673 Email:

lakshman.bheenick@standardbank.mu Address: 6th Floor Medine Mews Building La

Chaussee Street Port Louis www.standardbank.mu

STANDARD CHARTERED BANK

Augustine Kwakye-Agyekum

Director, Transaction Banking, Investor &

Intermediaries, Africa

27 (0)11 217 6792 Tel: **Email:** 

augustine.kwakye-agyekum@sc.com Address: Units 6A and 6B, 6th Floor, Raffles Tower, Lot 19, Cybercity, Ebene

Web: www.sc.com

**NAMIBIA** 

NAMIBIA STOCK EXCHANGE (NSX)

Tiaan Bazuin - Chief Executive Officer Manda Steynberg - Operations Manager Johene Saal – Information Officer

John D Mandy

Tel: +264 61 227 647 +264 61 248 531 Fax: Email: info@nsx.com.na

Address: Namibian Stock Exchange, Robert

Mugabe Avenue No 4, Entrance from Burg Street, P.O.Box 2401, Windhoek,

Namibia Web: http://nsx.com.na

NAMCLEAR

Tel: +264 61 375 250 +264 61 375 274 Address: Rieks House, C/O Feld Street and Rieks

Van De Walts, Ausspannplatz, Windhoek

Web: www.namclear.com.na/

BANK OF NAMIBIA

**Head Office:** 

Tel: +264 61 283 5111 +264 61 283 5067 Fax:

Address: 71 Robert Mugabe Ave, Windhoek, Namibia, PO Box 2882, Windhoek,

Namihia

Oshakati Branch:

+264 65 220027 Tel· Fax: +264 65 220023

Address: 909 Sam Nujoma Rd, Oshakati, Namibia,

Private Bag 5566

Web: www.bon.com.na/

**SERVICE PROVIDERS** 

**NEDBANK** 

Hilda Van Wyk

Manager, Treasury Back Office 264 6 1 295 2102 Tel: Email: hildawy@nedbank.com.na Address: P O Box 1, Windhoek, Namibia

Web: www.nedbank.com.na

STANDARD BANK NAMIBIA (PTY) LIMITED

**Grace Mate** 

Relationship Manager Tel: +264 61 294 2564

+264 61 294 2495 Fax: Email: Grace.Mate@standardbank.com.na P.O. Box 3327, Windhoek, Namibia, 9000 Address:

Web: www.standardbank.com

**NIGERIA** 

Web:

CENTRAL SECURITIES CLEARING SYSTEM (CSCS)

Tel: +234 702 576 8449 Email: info@cscsnigeriaplc.com

Address: The Managing Director, Central Securities Clearing System Plc, 1st Floor, Stock Exchange House, 2/4 Customs Street, Lagos, Lagos, Nigeria www.cscsnigeriaplc.com/web/guest/

NIGERIAN INTERBANK SETTLEMENT SYSTEM (NIBSS)

234-1-2716071-4 Tel: 234-1-2716075 Fax:

**Email:** info@nibss-plc.com Plot 1230, Ahmadu Bello Way, Bar Address:

Beach, Victoria Island, P. M. B. 12617,

Lagos

Web: www.nibss-plc.com

CENTRAL BANK OF NIGERIA (CBN)

General Enquiries: Email: info@cenbank.org Media Relations: Email: cad@cenbank.org

Address: Plot 33, Abubakar Tafawa Balewa Way, Central Business District, Cadastral Zone, Abuja, Federal Capital Territory, Nigeria, P.M.B. 0187, Garki Abuja.

Nigeria

www.cenbank.org/Default.asp Web:

ABUJA SECURITIES AND COMMODITY **EXCHANGE PLC (ASCE)** 

234-9-6710828 / 234-9-6708997 234-9-6700923 / 234-9-6716950

234-9-6700761 / 234-9-6714904 234806680004 / 2348056008000

Fax: 234-9-2347196 **Email:** md@abujacomex.com

Address: Abuja Securities & Commodity

Exchange, 397, Muhammadu Buhari Way, Central Business District, P. M. B.

404, Garki Abuja. Web: www.abujacomex.com/

# SERVICE PROVIDERS

#### CITI

# Kemi Adewole

Securities Country Manager 234 1 279 8573 Tel: kemi.adewole@citi.com Email:

Address: 27 Kofo Abayomi Street. Victoria Island.

Lagos Web: www.citi.com

# FIRST BANK OF NIGERIA

Lucky Adaghe

(234) 1-3052008, 08023117681 **Email:** lucky.adaghe@firstbanknigeria.com Address: First Bank of Nigeria Plc Head Office, 35,

Marina Lagos

Web: www.firstbanknigeria.com FIRST CITY MONUMENT BANK

# Bola Alakija

Analyst

Tel: 234 1461 2620

Email: bola.alakija@firstcitygroup.com Primore Towers. 17a Tinubu Street, Address:

Lagos

Web: www.firstcitygroup.com

# STANBIC BANK NIGERIA LTD

Cyril Utoro

Head, Custody Operations

+234 1 270 9660-70 Ext- 270 Tel:

+234 1 461 6616 Fax: UtoroC@stanbic.com Email:

Address: Plot 688, Amodu Tijani Close, Victoria

Island, Lagos Nigeria

www.standardbank.com Web:

# **UBA PLC**

# Taiwo Sonola

Head Business Development & Relationship Manager

+ 234 1 2807335 Tel: Fax: +234 1 2800099

taiwo.sonola@ubagroup.com Email: Address: UBA House, 57, Marina, Lagos, Nigeria

Web: ubagroup.com

# **SOUTH AFRICA**

# STRATE

Tel: +27 (0) 11 759 5300+ 27 (0) 11 759 5500 Fax: Email: info@strate.co.za

1st FloorPO Box 786089 Fricker Road, Address:

Sandton, Illovo Boulevard 2146, Illovo,

South Africa www.strate.co.za

Web: ISE

Tel:

Address: One Exchange Square, Gwen Lane,

Sandown, 2196, Private Bag X991174, Sandton, 2146, Republic of South Africa

Web: www.jse.co.za

### THE SOUTH AFRICAN RESERVE BANK (SARB)

Physical Address: 370 Helen Joseph Street, Pretoria,

0002

Postal Address: P.O. Box 427, Pretoria, 0001

+27 12 313-3911

0861 12 SARB (0861 12 7272) +27 12 313-3197 / +27 12 313-3929 Fax:

www.resbank.co.za Web:

# SERVICE PROVIDERS

# CITI NA SOUTH AFRICA

#### Irma Calitz

Securities Country Manager Tel: +2711 9440310 irma.calitz@citi.com Email:

Address: 145 West Street, Sandown, Sandton, 2196

www.citigroup.com

# FNB CUSTODY SERVICES Linda Laubscher

Network and Relationship Manager Tel: (+27(0)87) 577 8716 (+27(0)86) 055 7775 Fax:

LLaubscher@fnb.co.za **Email:** 

Address: Corporate and Investment Banking, Mezzanine Floor, 3 First Place BankCity,

Cnr Simmonds and Jeppe Streets, Johannesburg

Web: www.fnb.co.za

# NEDBANK INVESTOR SERVICES

# Hilda Van Wyk

Manager, Treasury Back Office 264 6 1 295 2102 Tel: **Email:** hildawy@nedbank.co.na Address: P.O. Box 1, Windhoek, Namibia Web: www.nedbank.co.za

# SOCIETE GENERALE SECURITIES SERVICES

#### Perry Rungasamy

Head of Sales, South Africa 27 11 448 88 11 Tel:

Email: Perry.Rungasamy@sgss.socgen.co.za Société Générale, 2nd floor, 160 Address: Jan Smuts Avenue, Rosebank, 2096 Johannesburg / - PO Box 6872 Johannesburg, 2000 South Africa

#### STANDARD BANK

#### Rajesh Ramsundhar

Head, Business Development Tel: +27 11 631 2187

rajesh.ramsundhar@standardbank.co.za Email: Address: P.O. Box 2453, Johannesburg, 2000

www.standardbank.co.za Web:

# **SWAZILAND**

# **SWAZILAND STOCK EXCHANGE (SSX)**

www.ssx.org.sz/

# THE CENTRAL BANK OF SWAZILAND

Tel: +268 408 2000 Fax: +268 404 0063 Email: info@centralbank.org.sz Postal Address: P.O. Box 546, Mbabane,

## **Physical Address:**

Address: Umntsholi Building, Mahlokohla Street,

Swaziland

Mbabane

Web: www.centralbank.org.sz

# **SERVICE PROVIDERS**

# STANBIC BANK/STANDARD BANK

# Louis Von Wissell

Head Global Markets Tel: (268)4041544 Fax: (268)4047776 Email: vonwiselll@stanbic.com

Address: P.O.Box A294, Swazi Plaza, Mbabane,

Swaziland

Web: www.standardbank.com

# **UGANDA**

# UGANDA SECURITIES EXCHANGE LTD.

Address: Plot 71/73, Kampala Road, Prism

Building, 4th Floor, P.O.Box 23552, Kampala, Uganda

Tel: +256 414 -259 585, 342 818

+256 312 - 370 815, 370 817, 370 818

Fax: +256 - 414 - 342-841 **Email:** info@use.or.ug Web: www.use.or.ug

## THE BANK OF UGANDA (BOU)

Head Office Address: Plot 37/45 Kampala Road Postal Address: P.O Box 7120, Kampala, Uganda

Telex:

Tel:

Fax:

SWIFT:

Web:

+256-414-258-441/6 +256-414-258-060/9 +256-414-259-090 +256-417-302-000 +256-312-392-000 + 256-41-4230878 +256-41-4233818 Email: info@bou.or.ug

UGBA UG KA

#### **SERVICE PROVIDERS**

## STANBIC BANK UGANDA

# Birungi Bagenda

Head of Custody

Tel: +256 31 222 4 346 Fax: +256 414 230 608 Email: Birungib@stanbic.com

Stanbic Bank Uganda, Crested Towers Address:

Building, 10th floor, Short Tower, 17 Hannington Road, Kampala www.stanbicbank.co.ug

# STANDARD CHARTERED BANK

# Augustine Kwakye-Agyekum

Director, Transaction Banking, Investor &

Intermediaries, Africa 27 (0)11 217 6792

**Email:** Augustine.kwakye-agyekum@sc.com Address: 5 Speke Road, P.O. Box 7111, Kampala

## **ZAMBIA**

# LUSAKA STOCK EXCHANGE (LUSE)

+260 211 228391/ 22853

Address: 3rd Floor Exchange Building, Cairo

Road, Central Park, P.O Box 34523,

Lusaka, Zambia

**BANK OF ZAMBIA** Tel: 228888/ 228903-20 Fax: 221722/237070 Telex: ZA 41560

Email: pr@boz.zm Address: Bank Square, Cairo Road, P.O. Box

30080, Lusaka 10101

# **SERVICE PROVIDERS**

# STANBIC BANK

# **David Chanda**

Operational Manager + 260 1229 071 Tel: Email: Chandad@stanbic.com

Address:

Woodgate House, Cairo Road, P O Box 31995, Lusaka, Zambia

#### Web: www.standardbank.com STANDARD CHARTERED BANK

# Augustine Kwakye-Agyekum

Director, Transaction Banking, Investor &

Intermediares, Africa

Tel: 27 (0)11 217 6792

augustine.kwakye-agyekum@sc.com Email: 1st Floor, Standard House, Cairo Road, Address:

Lusaka www.sc.com Web:

# **ZIMBABWE**

## RESERVE BANK OF ZIMBABWE (RBZ)

Physical Address: 80 Samora Machel Avenue,

Postal Address: Box 1283, Harare, Zimbabwe

+263 4 703000 Tel:

Telefax: +263 4 707800 / +263 4 706450 Telex: 26033/26075 RESZIM ZW Email: rbzmail@rbz.co.zw

Web: www.rbz.co.zw/

#### CHENGETEDZAI DEPOSITORY COMPANY LTD

+263 0 4 782869 / +263 0 4 782872 Tel:

+263 0 4 782 869 Fax: **Email:** cdcl@chengetedzai.com

Address: 1st Floor, 1 Armagh Avenue, Eastlea,

Harare

Web: http://chengetedzai.com/

#### ZIMBABWE STOCK EXCHANGE (ZSE)

+263 4 701420/ 701096 Tel: Fax: +263 4 762348

Address: 4th Floor, 101 Union Avenue Building,

Kwame Nkrumah Avenue, CBD Harare,

Harare, Zimbabwe

Web: www.zimbabwe-stock-exchange.com/

## SERVICE PROVIDERS

## **STANBIC BANK**

# Joshua Tapambgwa

Managing Director

+263 4 759471 Tel: +263 4 772126 Fax: IoshuaT@stanbic.com Email:

Harare, Zimbabwe, P.O. Box 300 Address: www.standardbank.com Web:

# STANDARD CHARTERED BANK

**Direct Line - Sales:** +263 4 793425

Direct Line - Operations: +263 4 252060 +263 4 791202

Fax: SWIFT: SCBLZWHXSSU

**Email:** ZW.Securities-Services@sc.com

Physical address:

Mezzanine Floor, Africa Unity Square Building, 68 Nelson Mandela & Conner Sam Nujoma Street, Harare, Zimbabwe

## Kumbirai Kutiwa

Service Management Head - Investors &

Intermediaries

Tel: + 263 4 252640-5 Ext 5112 + 263 772 433291 Mobile: + 263 4 791202 Fax: Kumbirai.Kutiwa@sc.com Email:

# Wilson Karombo

Head - Securities Services Operations Tel: +263 4 252640-5 ext 5145 Mobile: +263 772 281 211 Email: Wilson Karombo@sc.com

## Owen Bandama

Head - Investors & Intermediaries, Zimbabwe Tel: + 263 4 252640-5 Ext 5106

Mobile: + 263 772 513173 Fax: + 263 4 791202 Email: Owen.Bandama@sc.com

# MIDDLE EAST

# **BAHRAIN**

# **CENTRAL BANK OF BAHRAIN (CBB)**

Tel: +973 1754 7777 +973 1753 0399 Fax:

Address: Central Bank of Bahrain, PO Box 27, Manama, Kingdom of Bahrain

Web: www.cbb.gov.bh/index.php

## **BAHRAIN BOURSE**

+973 17261260 Tel: +973 17256362 Fax:

Address: Bahrain Financial Harbour, Harbour Mall (4th Floor), P.O. Box:3203, Manama

- Kingdom of Bahrain

**Public Relations & Marketing** +973 17108823

Settlement & Central Depository Tel: +973 17108833

Web: www.bahrainbourse.net/bhb/default.

asp?language=en

#### SERVICE PROVIDERS

#### **HSBC**

#### Vineet Iyer

Head of HSBC Securities Services, Bahrain Address: HSBC Bank Middle East Limited, 1st Floor, Head Office Building, Building No 2505, Road No 2832, Al Seef 428, Kingdom of Bahrain

Tel: +973 1756 9499 Email: vineetiver@hsbc.com Web: www.hsbcnet.com/hss

#### STANDARD CHARTERED BANK

# Keith Bryan

Director, Transaction Banking, Investor &

Intermediaries, MENA Tel: 973 1720 4097 keith.bryan@sc.com **Email:** 

Building 180, Road 383, Block 315,

P.O.Box 0029, Manama

Web: www.sc.com

# **EGYPT**

# EGYPTIAN EXCHANGE (EGX)

Address: 4A, El Sherifien St., Postal Code

11513, P.O. Box 358 Mohamed Farid,

Downtown, Cairo

Tel. (202) 23928698 / 23921402 / 23921447

(202) 23924214 **Smart Village Address:** 

Financial District, Building B 135, Smart Village, KM 28 Cairo- Alexandria Desert road, 6th of October, Egypt, P.O Box 47

Smart Village (202) 35316300/400 Tel: Address all queries and comments to:

webmaster@egx.com.eg

Web: www.egx.com.eg/English/HomePage.

# MISR COMPANY FOR CENTRAL CLEARING, **DEPOSITORY & REGISTRY (MCDR)**

70 elGamhouria Street Cairo P.O Box 1536

Tel: (202)25971 581 (202)25971 523 Cairo Fax: Heliopolis Branch: 117 Al Thawra Street, Heliopolis, Cairo

Alex Branch: 4 Ebn El Sayeg st. from El Horriya st.

(03) 4849901 - 4849902 Tel: (03) 4875838 Alex Fax:

www.mcsd.com.eg/MCDR/English/ Web: showpage.aspx?pageid=75

# SERVICE PROVIDERS

# Mona ElShafei

Securities Country Manager Tel: +202 2791 0640 Email: mona elshafei@citi.com Web: www.citigroup.com

# **HSBC**

Head of HSBC Securities Services, Egypt Address: HSBC Bank Egypt S.A.E, 306, Corniche

El Nil Street Maadi, Cairo, Egypt

00 202 25298350 Tel: **Email:** amr.sonbol@hsbc.com Web: www.hsbcnet.com/hss

## NATIONAL BANK OF EGYPT

# Marwa Amr

Client Service Manager +202 33330542 Tel: **Email:** marwa.amr@nbe.com.eg National Bank of Egypt Head Office

Cairo Plaza Tower 1187 Cornione El Nile

Boulak, Cairo, Egypt www.nbe.com.eg

## **ISRAEL**

Web:

#### TEL AVIV STOCK EXCHANGE (TASE)

www.tase.co.il/Eng/Pages/Homepage.

aspx

# TEL AVIV STOCK EXCHANGE CLEARING **HOUSE (TASECH)**

www.tase.co.il/eng/tradingandclearing/ clearingandsettlement/taseclearinghouse/

services/Pages/Services.aspx

#### **BANK OF ISRAEL**

#### **Ierusalem**

Tel: 02-655-2211

(From abroad: 972-2-655-2211)

Fax: 02-652-8805

(From abroad: 972-2-652-8805) Address: Bank of Israel Street (Corner of Kaplan

St.) in the Government complex. P.O.Box 780, 91007 Jerusalem, Israel Mail:

Tel Aviv

Address 1: 37, Lillienblum St. (Corner of Nachalat

Benjamin St.)

Address 2: 20, Yavne St. (Banking Supervision and

spokesman@boi.org.il

Computer Dept.)

Mail: P.O.Box 1604, 61015 Tel-Aviv Tel: 03-564-0610

03-570-3518 Fax:

Media Enquiries Tel: 02-655-2712 Fax: 02-652-8812

# SERVICE PROVIDERS

# BANK HAPOALIM

# **Eddie Lemel**

Email:

Vice President Financial Institutions Group Custody

Services-Product Development Tel: 972-3-5674476 972-3-5675757 Fax:

Email: edgar.lemel@mailpoalim.co.il Address: 46 Rothschild Blvd., Tel Aviv, 66883,

Israel

Web: www.bankhapoalim.com

# BANK LEUMI LE-ISRAEL BM

# Carine Wiener

CFA, Senior Relationship Manager Tel: 972-3-514-7327 Fax: 972-3-514-8548 custody-cash@bbl.co.il Email:

Address: Bank Leumi Le-Israel B.M.-Custody and Cash Relations Dept., Capital Markets Division, 35 Yehuda Halevi Street, Tel

Aviv 65316, Israel Web: www.leumi.co.il

# CITI

# David Levy

Securities Country Manager Tel: +972 3 684 2732 **Email:** david1.levy@citi.com

Address: Citibank, NA (Branch) Platinum

Building 21 Ha arba a Street, Tel Aviv,

64739 Israel www.citigroup.com

ISRAEL DISCOUNT BANK LTD

Yeheskel Shiri

Web:

Head of Foreign Banks & Institutions

+972 3 514 6905 Fax: +972 3 514 6940

**Email:** hezi.shiri@discountbank.co.il Address: Yehuda Halevy Street 48 Tel Aviv, Israel

65136

Web: www.discountbank.net

MIZRAHI TEFAHOT BANK LTD

**Shalom Cohen** 

Manager of Operation of Foreign Securities Dept.

+972 3 755 9438 Tel· Email: cohens@umtb.co.il

7 Jabotinsky St. Ramat Gan, Israel Address:

Web: www.umtb.co.il

**JORDAN** 

SDC

Tel: +962 6 5672788 Fax: +962 6 5672590

The Hashemite Kingdom of Jordan, Address:

Capital Market Building Al - Mansour Bin Abi Amer Street, Al-Madina Al - Riyadiya District Al-Abdali Area, Amman The Hashemite Kingdom of

Jordan

Web: www.sdc.com.jo

CENTRAL BANK OF JORDAN (CBJ)

+962 6 4630301/10 (10 Lines) Tel:

+962 6 4638889 Fax:

Telex: 21250 Bankazi Jo; 21476 Bakazi Jo; 21766 Bakazi Io.

Swift code: CBJOJOAX

Address: P.O. Box (37) Amman-11118-Jordan

Web: www.cbj.gov.jo

**HSBC** 

**Mohammad Aburoub** 

Head of HSBC Securities Services, Jordan, Lebanon

and Palestine

Phone Int: +962 6 551 8090 mohammedabu-roub@hsbc.com Email: Address: HSBC Bank Middle East Limited, Zahran Street, Fifth Circle, Amman -

Iordan

Web: www.hsbcnet.com/hss

**TECHNOLOGY VENDORS** 

PROGRESSSOFT CORPORATION + 962 6 5623000 Tel·

Address: 87, Queen Rania Street, P.O. Box: 802,

11941, Amman, Jordan

Web: www.progressoft.com

**KUWAIT** 

SERVICE PROVIDERS

Subramanian Seshadri

Head of HSBC Securities Services, Kuwait

+ 965 22230794 Office: subramanians@hsbc.com Email:

Address: HSBC Bank Middle East Limited,

Hamad Al- Sagr Street, Qibla Area, Kharafi Tower, G/1/2, P.O. Box 1683,

Safat 13017, Kuwait Web: www.hsbcnet.com/hss

LEBANON

**MIDCLEAR** 

**Custodian and Clearing Center of Financial** Instruments for Lebanon and the Middle East

(Midclear) S.A.L. +961 1 759200 Tel.

Address: ARESCO Center, Justinien Street,

Sanayeh, P.O.Box: 11-7971, Beirut,

Lebanon

• Operations - 14th Floor

• I.T. - 15th Floor

• General Management and Accounting

16th Floor

Web: www.midclear.com.lb

SERVICE PROVIDERS

Mohammad Aburoub

Head of HSBC Securities Services, Jordan, Lebanon

and Palestine

+962.6.551.8090 Phone Int: mohammedabu-roub@hsbc.com **Email:** Address: HSBC Bank Middle East Limited, Zahran Street, Fifth Circle, Amman -

> Jordan www.hsbcnet.com/hss

**MIDCLEAR** 

Web:

Joseph Khoderchah

IT Manager

+961 174 9594 ex. 222 Tel: midclear@midclear.com.lb **Email:** 

Address: ARESCO Center - 15th Floor Justinien

Street Sanayeh P.O. Box 11-7971 Beirut,

Lebanon

Web: www.midclear.com.lb

**TECHNOLOGY VENDORS** 

ALLIED ENGINEERING GROUP

+ 96 11 791002

Address: Verdun, Assaf Center, 8th Floor, 113-6005, Beirut, Lebanon

Web: www.aeg-mea.com

**MOROCCO** 

MAROCLEAR

www.maroclear.com/

SBVC, THE CASABLANCA STOCK **EXCHANGE** 

Tel: (212) 522 45 26 26/27 Fax: (212) 522 45 26 25

Email: contact@casablanca-bourse.com Address: Angle Avenue des Forces Armées Royales et Rue Arrachid Mohamed, Casablanca

Web: www.casablanca-bourse.com/bourseweb/

en/index.aspx

BANK AL-MAGHRIB

Tel: (212) 0 537 8181 81 (212) 0 537 78 24 Fax:

Address: Bank Al-Maghrib, 277, Avenue Mohammed V Boîte postale 445 - Rabat

webmaster@bkam.ma

SERVICE PROVIDERS

ATTIJARIWAFA BANK

Youssef Bellamine

Relationship Manager & Network Manager

Tel: +212 522 54 42 14 **Email:** y.bellamine@attijariwafa.com Address: 163 Avenue Hassan II, Casablanca www.attijariwafabank.com Web:

Sylvie Nouri

Head of BMCI Securities Services (BNP Paribas

Group)

Tel: 212 522 46 13 32 Email: sylvie.nouri@bnpparibas.com

Address: 26, Place des Nations-Unies, Casablanca

Web: www.bmcinet.com

**BNP PARIBAS SECURITIES SERVICES** 

Francesco Rossini

Head of Sales & Relationship Management of BMCI

Securities Services Tel: 00 212 522 46 12 27

0039 02 7247 4462 Mobile: 0039 335 132 1377 Fax: 00 212 522 29 94 03

**Email:** francesco.rossini@bnpparibas.com Address: 26, Place des Nations Unies - Casablanca

Morocco

CITI

Asmaa Hallouty

Securities Country Manager Tel: 212 224896 06 asmaa.hallouty@citi.com Email: Web: www.citi.com

SOCIETE GENERALE SECURITIES SERVICES

Mathieu Maurier

Global Head of Sales and Global Relationship

Management

Tel: + 33(0)1 41 45 98 65

**Email:** mathieu.maurier@sgss.socgen.com Address: SGSS, 189 rue d'Aubervilliers, 75886

Paris cedex 18, France Web: www.sgmaroc.com

**OMAN** 

**MUSCAT SECURITIES MARKET (MSM)** 

**Information Center Department** 

+968-24823600 ext. 645/610/620 Tel:

Fax: +968-24823706 Email: info@msm.gov.om

Address: P.O Box 3265 Postal Code 112, Ruwi

Sultanate of Oman

**Information & Awareness Department** 

Tel: +968-24823600 ext. 884/881/889 Fax: +968-24823652

raid@msm.gov.om **Email:** Address: P.O Box 3265 Postal Code: 112 Ruwi,

Sultanate of Oman

MUSCAT CLEARING AND DEPOSITORY(MCD)

Address: PO Box 952 Ruwi, P.C: 112, Sultanate of

Oman

**Operator**: 00968 24822222

Financial & Administration Dept Tel: +968 24822223

Email: thuraya@mcd.gov.om

**Operations Dept** +968 24822260 Tel: Email: ammar@mcd.gov.om

Lien and Restriction Dept Tel: +968 24822204

Email: raeed@mcd.gov.om

I.T Department +968 24822210 Tel: Email: osama@mcd.gov.om

Website Administrator Tel: +968 24822210

**Email:** osama@mcd.gov.om Electronic call system

+968 24818151-Call center

Tel:

24822237 968+ / 24822239 968+ Tel: Web: www.csdoman.co.om/mds/Default.aspx

**SERVICE PROVIDERS** 

**HSBC** 

Madhur Bhandari

Head of HSBC Securities Services, Oman

Tel: +968-2494 7084 Email: madhurbhandari@hsbc.com

Address: HSBC Bank Oman S.A.O.G, 2nd Floor,

Al Khuwair, PO Box 1727, PC 111, Seeb,

Muscat

Web: www.hsbcnet.com/hss

STANDARD CHARTERED BANK Keith Bryan

Director, Transaction Banking, Investor &

Intermediaries, MENA Tel: 9714 508 2725 keith.bryan@sc.com Email:

Address: Bait Hoor Building, CBD Area, P.O.Box

2353, P.C.112, Ruwi, Oman

Web: www.sc.com

**PALESTINE** 

PALESTINE EXCHANGE / THE PALESTINE CLEARING DEPOSITORY AND SETTLEMENT **DEPARTMENT (CDS)** 

+970 (or +972) 9 239 0999 Tel: Fax: +970 (or +972) 9 239 0998

**Email:** pex@pex.ps Email: pse@p-s-e.com

Address: P.O.Box 128, Nablus - Palestine

Web: http://www.p-s-e.com

SERVICE PROVIDERS

**HSBC** 

Mohammad Aburoub

Head of HSBC Securities Services, Jordan, Lebanon and Palestine

Phone Int: +962 6 551 8090

mohammedabu-roub@hsbc.com Email: HSBC Bank Middle East Limited, Address:

Zahran Street, Fifth Circle, Amman -

Iordan

Web: www.hsbcnet.com/hss

**OATAR** 

**QATAR EXCHANGE** 

Tel: +974 44333666 Fax: +974 44319233 P.O.Box: 22114

Address: Al Dana Tower, West Bay; Doha - Qatar

Email: info@qe.qa Web: www.qe.com.qa **OATAR CENTRAL BANK** 

Address: P.O. Box No. 1234, Doha, Qatar

Tel: + (974) 4445-6456

www.qcb.gov.qa/English/Pages/default. Web:

SERVICE PROVIDERS

Shreen Abeysekera

Head of HSBC Securities Services, Qatar Address: HSBC Bank Middle East Limited, P.O.Box: 57, Doha, State of Qatar.

Tel: +974 44383345

shreen.abeysekera@hsbc.com Email: www.hsbcnet.com/hss Web:

STANDARD CHARTERED BANK

Keith Bryan

Director, Transaction Banking, Investor &

Intermediares, MENA Tel: 9714 508 2725 Email: keith.bryan@sc.com

Abdullah Bin Jasim Street, P.O.Box 29, Address:

Doha

Web: www.sc.com **SAUDI ARABIA** 

**HSBC** 

Zafar U Khan Head of HSBC Securities Services, Saudi Arabia

+966 (0) 11 299 2336 zafarkhan@hsbc.com Email:

HSBC Saudi Arabia, HSBC Building, 2nd Address:

Floor, Olaya Road, Al-Murooj, P O Box 9084, Riyadh 11413, Saudi Arabia

Web: www.hsbcnet.com/hss

**TUNISIA** 

SOCIETE TUNISIENNE INTERPROFESSIONNELLE DE COMPENSATION ET DE DEPOT DES VALEURS MOBILIERES (STICODEVAM)

Tel: +216 71 193 593

Fax: +216 71 193 620 / +216 71 193 621 Email: sticodevam@stcodevam.com Address: Les Jardin du Lac II, 1053 Les Berges du

Web: www.sticodevam.com/site/en/

**ELECTRONIC CLEARING INTERBANK** COMPANY (SIBTEL)

+216 71 901.233 +216 71 901 372 / 909 460 Fax: Email: sibtel@sibtel.com.tn

Maison du Banquier, Khaireddine Pacha avenue B.P. 41, Montplaisir city 1073

Tunis, Tunisia

**SERVICE PROVIDERS** 

BIAT-BANQUE INTERNATIONALE ARABE DE TUNISIE

Abdellatif Hlioui Head of Custody

Tel: 216 71 131 217

abdellatif.hlioui@biat.com.tn Email:

Address: 70-72 Avenue Habib Bourguiba, 1002

Tunis

**TURKEY** 

MERKEZI KAYIT KURULUSU A.S.

Tel: (212) 334 57 00 (212) 334 57 57 Fax: Email: bilgi@mkk.com.tr

Address: Askerocagi Cad. Süzer Plaza No:1-15 Kat:2 34367 Elmadag-Sisli / Istanbul

Web: www.mkk.com.tr

www.mkk.com.tr/wps/portal/MKKEN Web:

CENTRAL BANK OF TURKEY (CBT)

+90 312 507 50 00 Tel·

Address: Istikial Cad. 10 Ulus, 06100 Ankara,

Turkive

Web: www.tcmb.gov.tr/yeni/eng/

SERVICE PROVIDERS

**BNP PARIBAS** 

Ertunc Gurson Head of Sales

Tel:

+90-216-6352371 Fax: +90-216-6363215

ertunc.gurson@bnpparibas.com Email: Address: TEB Kampus Saray Mah. Kucuksu Cad.

Sokullu Sok. No: 7 Umraniye 34768

Istanbul/ Turkey www.teb.com.tr

Web: CITI

**Gunsel Topbas** 

Securities Country Manager Tel: +90 212 319 4360

**Email:** unsel.topbas@citi.com Web: www.citigroup.com

**DEUTSCHE BANK** 

Hakan Ulutas

Head of Direct Securities Services Tel: +90 212 317 0171 +90 212 319 0493 Fax: **Email:** hakan.ulutas@db.com

Eski Buyudere, Caddesi Tekfen Tower, Address:

No 209, 4.Levent, Istanbul, Turkey

Web: www.tss.db.com **EUROBANK TEKFEN** 

Taniu Kara

Head of Securities Services Tel: +90 212 371 3616 +90 212 357 0833 Fax:

Email: tkara@eurobanktekfen.com Eskibuyukdere Cad. No: 209 Tekfen

Tower Floor: 22, 4.Levent / Istanbul -Turkey 34330

Web: www.tekfenbank.com

**FINANSINVEST** 

Egemen Erden

Executive Vice President, Institutional Sales and

Trading

Tel: 90 212 336 7102

egemen.erden@finansinvest.com Email:

HSBC

Ibrahim H. Yurtlu

Manager, Custody and Clearing Tel: +90 212 366 14 03 Fax: (90 212) 366 3330 **Email:** ibrahimyurtlu@hsbc.com.tr Web: www.hsbcnet.com

T IS BANKASI

A. Begum Ulutan

Assistant Manager

Tel: 90 212 316 34 82 **Email:** begum.ulutan@isbank.com.tr Address: Is Kuleleri Kule 1, 4. Levent 34330

**UNITED ARAB EMIRATES** 

**BORSE DUBAI LTD** 

Registered office:

Level 7, Precinct Building 5, Gate District, PO Box 506690, Dubai International Financial Centre,

Dubai, United Arab Emirates +971 4 305 5000 Tel· +971 4 331 4924 NATIONAL BANK OF DUBAI

Address: Al Barsha 1 - Dubai - United Arab

Emirates Tel: +971 4 341 3888 Web: nbad.com

**DUBAI FINANCIAL MARKET (DFM)** 

Address: Dubai Financial Market - World Trade

Center, Dubai

Tel: +971 4 305 5555 - Fax +971 4 305 5191

Email: customerservice@dfm.ae Web: www.dfm.ae/Default.aspx

ABU DHABI SECURITIES EXCHANGE (ADX)

Tel: +971 2 6277777 +971 2 6128728 Fax: Toll Free: 800239 Email: info@adx.ae

Address: Al Ghaith Tower, Hamdan Street,

Abu Dhabi

Mail: P.O.Box: 54500 - Abu Dhabi

Web: www.adx.ae

NASDAQ DUBAI (FORMERLY THE DUBAI INTERNATIONAL FINANCIAL EXCHANGE

Address: The Exchange Building, No.5, Level

7, P.O.Box 53536, Dubai, United Arab

Tel: +971 4 305 5455

**ICSDS** 

**EUROCLEAR DUBAI** 

Bernard Ferran

971 4 455 2500

Address: Al Fattan Currency House, Tower 1,

Level 3, Unit 1, Dubai International Financial Center (IFDC), PO Box 482073, Dubai, United Arab Emirates

SERVICE PROVIDERS

**DEUTSCHE BANK** 

Mike Cowley

Head, Direct Securities Services - MENA

+9714 3199 564 Tel: +9714 3199 515 Fax: Email: mike.cowley@db.com

Deutsche Securities and Services, Address:

Emirates Tower, Level 27, Office B, P. O. Box 504902, Dubai, United Arab

Emirates www.tss.db.com

Web: HSBC

**Georges Cattan** 

Head of HSBC Securities Services, UAE

Tel: +971 4 4236111 Email: georgescattan@hsbc.com

Address: HSBC Bank Middle East Limited, Emaar Square, Level 3, Building 5, PO Box

502601, Dubai, United Arab Emirates

Web: www.hsbcnet.com/hss

STANDARD CHARTERED BANK

Keith Bryan

Director, Transaction Banking, Investor & Intermediares, MENA

Tel: 9714 508 2725 keith.bryan@sc.com Email:

Address: Dubai Int. Financial Centre, Building No1, 4th fl., Sheikh Zayed Road, Bur

Dubai

www.standardchartered.com Web:

**TECHNOLOGY VENDORS** 

**EASTNETS** 

+ 0097 143 912888

Address: Dubai Internet City, Building #2, Office

G02, P.O.Box 500135, Dubai, United

Arab Emirates Web: www.eastnets.com

**VOLANTE TECHNOLOGIES** +971 (0)4 379 4199 Tel:

Address: Jumeirah Lake Towers, PO Box 943303,

Dubai, UAE

**ASIA PACIFIC** 

**AUSTRALIA** 

AUSTRALIAN SECURITIES EXCHANGE

Within Australia - 131 ASX (131 279) Tel:

Overseas - +61 2 9338 0000

Fax: 029227 0885

Sydney

Exchange Centre, 20 Bridge Street, Sydney NSW

**Australian Liquidity Centre** 

5 Broadcast Way, Gore Hill NSW 2065

Level 4, North Tower, Rialto, 525 Collins Street,

Melbourne VIC 3000

Perth

Level 8, Exchange Plaza, 2 The Esplanade, Perth WA 6000

Chicago

155 North Wacker Drive, Suite 4229, Chicago, IL

60606 USA

Tel: 312 803 5840

London

New Broad Street House, 35 New Broad Street,

London, EC2M 1NH Tel: +44 203 09 3375 Mobile: +44 7799 066842 Web: www.asx.com.au/index.htm

SERVICE PROVIDERS

**BNP PARIBAS SECURITIES SERVICES** 

Pierre Iond

Head of BNP Paribas Securities Services, Australia

and NZ 61 2 9222 0002 Tel:

**Email:** pierre.jond@au.bnpparibas.com Address: Level 6, 60 Castlereagh Street, Sydney

NSW 2000

www.au.bnpparibas.com Web:

Martin Carpenter

Securities Country Manager +612 8225 2411 Tel:

Email: martin.carpenter@citi.com Web: www.citigroup.com

HSBC

**Andrew Bastow** 

Head of HSBC Securities Services, Australia and New

Zealand

Tel: +61 2 9006 5563

Email: andrewbastow@hshc.com.au

Address: HSBC Centre, 580 George Street, Sydney,

Australia 2000

Web: www.hsbcnet.com/hss

J.P.MORGAN

Lachlan Allardice

Executive Director, Sales & Client Management

Tel: +613 9633 4277

Lachlan.allardice@jpmorgan.com **Email:** Address: Locked bag 20049, Melbourne Vic 3001,

Australia

Web: www.jpmorgan.com

NATIONAL AUSTRALIA BANK Suzanne Smith

General Manager, Sales & Relationships

Tel: +61 (03) 8641 2954 Email: suzanne.m.smith@nab.com.au Address: Level 35, 500 Bourke Street, Melbourne

VIC 3000

Web: www.assetservicing.nabgroup.com

RBC INVESTOR SERVICES

David Travers

Managing Director, Australia Tel: 61 2 8262 5000 Fmail: david.travers@rbc.com

2 Park Street, Level 17, Sydney, NSW, Address: Australia 2000

www.rbcis.com

**SERVICE PROVIDERS** 

DISTRA

Web:

Tel: + 61 2 92120826

Address: Level 2 Ballarat House, 15 Foster Street,

2010, Surry Hills, NSW, Australia

Web: www.distra.com

MILESTONE GROUP

+61 2 8224 2600

Address: Level 21, 9 Castlereagh Street, Sydney,

NSW 2000, Australia

**ONEVUE LIMITED** 

+ 61 02 80227400

Address: Level 2, 1 Castlereagh Street, 2065,

Sydney, NSW, Australia

Web: www.onevue.com.au

BANGLADESH

DHAKA STOCK EXCHANGE

Tel: 88-02-9564601, 9576210-18 Fax: +88-02-9564727 / +88-02-9569755

Email: dse@bol-online.com

Address: Stock Exchange Building, 9/F Motijheel

C/A, Dhaka Bangladesh

www.dsebd.org/ CHITTAGONG STOCK EXCHANGE

Tel: +88 0 31 714632 3 / +88 0 31 720871

+88 0 31 714101 Fax: Email: info@cse.com.bd

Address: CSE Building, 1080, Sk. Mujib Road

Agrabad, Chittagong, Bangladesh

Web: www.cse.com.bd

CENTRAL DEPOSITORY OF BANGLADESH LIMITED (CDBL)

Address: Central Depository Bangladesh Ltd. (CDBL), BDBL Bhaban (18th Floor), 12

Kawran Bazar, Dhaka - 1215, Bangladesh Address: Data & Disaster Recovery Center (DDRC) of CDBL, BGIC Tower (6th

Floor), 34, Topkhana Road, Dhaka-1000

Web: cdbl@bol-online.com

SERVICE PROVIDERS

**HSBC** 

Web:

Sadique Reza

Division Head, Institutional Banking and Securities

Services

Tel: 88 01713 019 452 Email: sadiquereza@hsbc.com.bd Address: Anchor Tower, 7th fl., 108 Bir Uttam

C.R.Dutta Road, Dhaka-1205

Web: www.hsbcnet.com STANDARD CHARTERED BANK

Peter Christmas

Director, Transaction Banking, Investor &

Intermediaries, S.Asia Tel: 65 6596 4342

peter.christmas@sc.com Email: Address: 18-20 Motijheel Commercial Area,

Dhaka -1000

Web: www.standardchartered.com

**CHINA** 

CHINA SECURITIES DEPOSITORY AND CLEARING CORPORATION LIMITED (SD&C)

Web: www.chinaclear.cn

SHANGHAI STOCK EXCHANGE

Address: 528 South Pudong Road, Shanghai

200120, PR China

webmaster@secure.sse.com.cn Email:

Web: www.sse.com.cn

SHENZHEN STOCK EXCHANGE Tel: 0755-82083333 0755-82084004 Fax:

international@szse.cn Email: Address: 5045 Shennan East Road, Shenzhen,

China 518010

Logistic Services Co., Ltd

Tel: 0755 25918420 0755 82083177 Fax:

Shenzhen Securities Communication Co., Ltd

0755 83183333 Tel: 0755 83851029 Fax:

Shenzhen Securities Information Co., Ltd

Tel: 0755 83991662 0755 83202232 Fax:

# SERVICE PROVIDERS

# EUROCLEAR BANK REPRESENTATIVE **OFFICES**

Tracy Chen

Tel· 86 10 58 54 3266

Suite 505 Excel Centre, No 6 Wudinghou Address:

Street, Xicheng District, Beijing, 100140

**BANK OF CHINA** 

Michelle Zhang

Cross-Border Product Manager +8610 6659 4862 Tel:

jj\_zhangyh@bank-of-china.com Email: No.1, Fuxingmen Nei Dajie, Beijing Address:

Web: www.boc.cn

# CHINA CONSTRUCTION BANK

Sean Xu

Assistant Senior Manager, Custody & Investor

Services

Tel: 86 10 6759 5034 Email: hubofei.zh@ccb.com Address: No.25 Finance Street, China

Construction Bank headquarters, Beijing

100032 www.ccb.com

# **CHINA MERCHANTS BANK**

Sun Yuni

Web:

Product Manager, Custodian Department, China

Merchants Bank

Tel: 0086 755 8307 8502 0086 755 61337050 Fax: sun\_yuni@cmbchina.com **Email:** 

Address: 4th Floor, China Merschants Bank Tower,

No.7088, Shennan Boulevard, Shenzhen

Web: www.cmbchina.com

CITI

Alvin Goh

Securities Country Manager Tel: +86 21 2896 6569 alvin.nc.goh@citi.com **Email:** Web: www.citigroup.com

**DBS BANK LTD** 

**Peter Yeung** Vice President

Tel: 852 3668 1335 peteryeung@dbs.com Email:

Address: 11/F North Somerset House, Taikoo

Place, 979 King's Road, Hong Kong

Web: www.dbs.com

**DEUTSCHE BANK** 

Tim Liu

Head of Domestic Markets-China Tel: 886 (2) 2192 4276 Email: tim.liu@db.com

Floor 3, 296 Jen-Ai Rd., Sec. 4, Taipei, Address:

Taiwan

Web: www.tss.db.com

HSBC

Andy Ng

Head of HSBC Securities Services, China

Tel: +86 (21) 3888 2380 **Email:** andyng@hsbc.com.cn

33F HSBC Building, Shanghai ifc, 8 Address: Century Avenue, Pudong, Shanghai,

200120, China Web: www.hsbcnet.com/hss

#### INDUSTRIAL COMMERCIAL BANK OF **CHINA**

Cui Yan

Head of Global Service Division Tel: +8610 6610 5759 +8610 6610 5753 Fax: cuiyan@icbc.com.cn Email:

China Overseas Property Mansion, Address:

No.96 Taipingqiao Street, Xicheng

district, Beijing, China Web: www.icbc.com.cn

# STANDARD CHARTERED BANK

**David Gilmour** 

Managing Director, Transaction Banking, North East

Tel: 852 2821 1991 Email: david.gilmour@sc.com

Address: SC Tower, 15th Floors, 388 Kwun Tung

Road, Kowloon, Hong Kong Web: www.standardchartered.com

#### **TECHNOLOGY VENDORS**

#### **CHINA SYSTEMS**

Tel: + 86 25 85582112

Address: 5th Floor, Building No.3, No. 699-8 Xuan

Wu Avenue, Xuan Wu District, 210042, Nanjing, P.R.C., China

Web: www.chinasystems.com

# **HONG KONG**

#### HONG KONG SECURITIES CLEARING COMPANY (HKSCC)

Tel: (852) 2522 1122 Fax: (852) 2295 3106 Email: info@hkex.com.hk

Registered Office: 12/F., One International Finance Centre, 1 Harbour View Street, Central, Hong Kong

# HKEX REPRESENTATIVE OFFICE IN BEIJING

(8610) 8519 0288 Tel: Fax: (8610) 8518 3288 bjo@hkex.com.hk Email:

Registered Office: Suite 1002, Level 10, Tower W2, The Towers, Oriental Plaza, No.1 East Chang An Avenue, Dong Cheng District, Beijing 100738,

## HONG KONG MONETARY AUTHORITY (HKMA)

Tel: (852) 2878 8196 Fax: (852) 2878 8197 74776 XFUND HX Telex: **Email:** hkma@hkma.gov.uk

Address: 55th Floor, 2 International Finance Centre, 8 Finance Street, Central Hong

Kong

#### HONG KONG INTERBANK CLEARING LIMITED (HKICL)

Tel: (852) 2533 1111 Customer Services: (852) 2533 1110 Fax: (852) 2533 1122 Email: hkicl@hkicl.com.hk

Unit B, 25/F, MG Tower, 133 Hoi Bun Address: Road, Kwun Tong, Kowloon, Hong Kong

www.hkicl.com.hk/en\_index.jsp

Web:

#### COMPUTERSHARE HONG KONG INVESTOR SERVICES LIMITED (CHIS)

Address: Hong Kong - Futura Plaza, How Ming Street, 111-113, Kwun Tong, Hong Kong

# **EUROCLEAR**

Olivier Grimonpont

852 3966 5555 Tel: **Email:** 

hongkong.clientservice@euroclear.com Address: 20F Central Plaza, 18 Harbour Road,

Wan Chai, Hong Kong

## **SERVICE PROVIDERS**

# BANK OF AMERICA MERRILL LYNCH

**APAC** 

**Pauline Banks** Bank of America

Tel: +852.2847.6808 Mail Code: 737-605-41-01

Address: Two International Finance Centre, 8 Finance Street, Hong Kong

**BNP PARIBAS SECURITIES SERVICES** 

#### **Barnaby Nelson**

Head of Client Development, Asia (Banks, Brokers

and Issuers) Tel: +852 3197 3318

Email: Barnaby.nelson@asia.bnpparibas.com Address: 21/f PCCW Tower, 979 Kings Road,

Quarry Bay, Hong Kong

Web: securities.bnpparibas.com

CITI

Web:

Web:

Tel: +852 2868 7306 **Email:** cheeping.yap@citi.com Address:

Cheeping Yap, Securities Country Manager

www.citigroup.com

**DBS BANK (HONG KONG) LIMITED** 

# Mr Peter Yeung

Vice President

Tel: [852] 3668 1335 Email: peteryeung@dbs.com

Address: DBS Bank Ltd, 17/F The Center, 99

Queen's Road Central, Central, Hong

Kong www.dbs.com

**DEUTSCHE BANK** 

# Nico Torchetti

Head of Domestic Markets - Hong Kong

Tel: 852 2203 7333 Email: nico torchetti@db.com

Address: Floor 57, International Commerce Center, 1 Austin Road West, Kowloon

# **HSBC**

Dan Massey

Regional Head of Sales and Business Development

Tel: +852 2822 4966 Email: danielmassey@hsbc.com

HSBC Securities Services, Asia Pacific, Address: Level 30, HSBC Main Building, 1 Queen's

Road Central, Hong Kong www.hsbcnet.com/hss

# J.P.MORGAN

**Elvis Goh** 

Web:

+852 28001535 Tel:

Email: elvis.tk.goh@jpmorgan.com

# **RBC INVESTOR SERVICES**

**Brent Reuter** 

Managing Director, Hong Kong Tel: 852 2978 5555 brent.reuter@rbc.com Email:

Address: 51st Floor, 18 Harbour Road, Wanchai

Hong Kong

Web: www.rbcis.com

# STANDARD CHARTERED BANK

# David Gilmour

Managing Director, Transaction Banking, North East

Asia

Tel: 852 2821 1991 david.gilmour@sc.com **Email:** 

Address: SC Tower, 15th Floor, 388 Kwun Tung Road, Kowloon, Hong Kong

www.standardchartered.com Web:

**TECHNOLOGY VENDORS** 

**SERISYS SOLUTIONS LTD** 

Tel: + 85 23 23763232

Address: 1201-02 Jubilee Centre, 18 Fenwick

Street, Wanchai, Hong Kong

Web: www.serisys.com TIBCO SOFTWARE INC.

+ 852 2264 0835 Tel: Address: Room 3301, The Lee Gardens, 33 Hysan

Avenue, Causeway Bay, Hong Kong

Web: www.tibco.com

WEALTHCRAFT SYSTEMS INC.

Tel: + 852 35 868232

Address: Unit A, 9/F, On Hing Building, On Hing

Terrace, Central, Hong Kong

Web: www.wealthcraft.com

INDIA

**NSDL** 

Tel: (022) 2499 4200 (022) 2497 6351 Fax:

Address: Trade World, A wing, 4th & 5th Floors,

Kamala Mills Compound, Lower Parel,

Mumbai - 400 013.

**CDS INDIA** 

Regd. Office: 17th floor, P J Towers, Dalal Street,

Mumbai - 400001

www.cdslindia.com/contactus/ Web:

contactlist-mum.html

RESERVE BANK OF INDIA

Web: www.rbi.org.in/home.aspx NATIONAL STOCK EXCHANGE (NSE)

Tel: (022) 26598100 - 8114

(022) 26598120 Fax:

National Stock Exchange of India Ltd., Address:

Exchange Plaza, Plot no. C/1, G Block, Bandra-Kurla Complex, Bandra (E), Mumbai - 400 051

Web: www.nseindia.com/index\_nse.htm

**BOMBAY STOCK EXCHANGE LTD (BSE)** 

91-22-22721233/4, 91-22-66545695 Tel:

(Hunting) Fax: 91-22-22721919

Address: BSE Limited, Phiroze Jeejeebhoy Towers,

Dalal Street, Mumbai- 400001

Web: www.bseindia.com/

CLEARING CORPORATION OF INDIA LTD

(CCIL)

Web:

Tel: 61546200

Address: The Clearing Corporation of India Ltd.,

CCIL Bhavan, College Lane, off S K Bole Road, Dadar (West), Mumbai - 400 028

www.ccilindia.com

NATIONAL SECURITIES CLEARING **CORPORATION LIMITED (NSCCL)** 

www.nscc.com

INDIAN CLEARING CORPORATION LIMITED (ICCL)

See bse

www.icclindia.com/ Web:

SERVICE PROVIDERS

BNP PARIBAS SECURITIES SERVICES

Viraj KULKARNI

Head of BNP Paribas Securities Services, India

Tel: +91 22 6196 5050

+91 22 6650 1606 Fax:

Email: viraj.kulkarni@asia.bnpparibas.com Address: 9/F, BNP Paribas House, 1North Avenue,

Maker Maxity, Bandra Kurla Complex,

Mumbai - 400 051, India securities.bnpparibas.com

Web: CITI

Debopama Sen

Securities Country Manager Tel: +91 22 4029 6200 Email: deboparma.sen@citi.com Web: www.citigroup.com

**DBS BANK LTD** 

Saurabh Mittal

Vice President

91 22 6752 8348 Tel· 91 22 67528368 Fax: **Email:** saurabhmittal@dbs.com

DBS Bank Ltd, Fort House, 221, Dr D N Address:

Road, Fort, Mumbai 400 001, India

Web: www.dbs.com

DEUTSCHE BANK AG

Saurabh Mittal

Vice President

Tel: 91 22 6752 8348 Email: saurabhmittal@dbs.com

Address: 6th floor, Nicholas Piramal Tower,

Peninsula Corporate Park, Ganpatrao Kadam Marg, Lower Parel, Mumbai - 400

013, India www.db.com Web:

**HSBC** 

Kapil Seth

Head of HSBC Securities Services, India

+91 22 4035 7471 Tel: Email: kapilseth@hsbc.co.in

Address: The Hongkong and Shanghai Banking

Corporation Limited, Shiv Building, 2nd floor, HSBC Securities Services, Western Express Highway, Sahar Junction, Vile Parle (East), Mumbai 400 057, India

Web: www.hsbcnet.com/hss

J.P.MORGAN

Ramakrishna Sundaram

+91 22 66492514 Tel:

Email: ramakrishna.x.sundaram@jpmorgan.

www.jpmorgan.com Web:

KOTAK MAHINDRA

Rajiv Gurnani

Executive Vice President - Financial Institutions

Group

Tel 91 9820289233

rajiv.gurnani@kotak.com Email: Address:

5th Floor, Dani Corporate Park, CST Road, Santacruz East, Mumbai

**POLARIS** 

Ramesh Ramakrishnan

Sr.Marketing Manager Tel: 07961726762

Email: ramesh.ramakrishnan@polaris.co.in

Web: polaris.co.in

SOCIETE GENERALE SECURITIES SERVICES

Head Business Development, Sales & Marketing,

Senior Vice President

Tel: +91 22 42066138 jyoti.rai@sbisgcsl.co.in Email:

Address: SBI custodial Services Pvt Ltd - Jeevan

Seva Extension Building, Ground Floor, S.V. Road, Santacruz (W), Mumbai - 400

054 - India Web: www.sgss.socgen.com

STANDARD CHARTERED BANK

Peter Christmas

Director, Transaction Banking, Investor &

Intermediaries, Southern Asia Tel: +65 6596 4342 **Email:** Peter.Christmas@sc.com

Address: Marina Bay Financial Centre Tower 1,

Level 23, 8 Marina Boulevard, Singapore

018981

Web: www.standardchartered.com

**TECHNOLOGY VENDORS** 

**NUCLEUS SOFTWARE** 

Tel: + 91 120 4031400 Web: www.nucleussoftware.com

POLARIS SOFTWARE LAB LTD

Tel: + 91 44 27435001

Address: Polaris Software Lab Ltd, 34, Foundation, IT Highway, Navalur, 600006, Chenna,

Tamilnadu, India www.polaris.co.in

TATA CONSULTANCY SERVICES

Tel: + 91 80 67253000

Web:

Unit 6, No. 78, 79 & 83, Whitefield, 560 Address:

066, Bangalore, India

Web: www.tcs.com

**INDONESIA** 

THE INDONESIAN CENTRAL SECURITIES **DEPOSITORY (KSEI)** 

(+62 21) 515 2855 Tel: Fax: (+62 21) 5299 1199 **Toll Free:** 0800-186-5734 Email:

helpdesk@ksei.co.id Address: Indonesia Stock Exchange Building 1st

Tower 5th Floor, Jl. Jend. Sudirman kav. 52-53, Jakarta 12190, Indonesia

Web: www.ksei.co.id/

**BANK INDONESIA (BI)** Tel: (+62)21 2981-7317, 500-131

humasbi@bi.go.id Email:

Bank Indonesia Public Relation, Jl. MH. Address:

Thamrin 2 Jakarta 10350 Indonesia

Web: www.bi.go.id/web/en

PT KLIRING PENJAMINIAN EFEK **INDONESIA (KPEI)** 

KPEI Customer Care: 0800-100-5734 (Toll Free)

(6221) 515 5115 Tel:

(6221) 5155120 Fax: Gedung Bursa Efek Indonesia Tower I, Address:

Lantai 5, Il. Jendral Sudirman Kav. 52-53,

Jakarta 12190, Indonesia

www.kpei.co.id/ THE INDONESIA STOCK EXCHANGE

(BURSA EFEK INDONESIA, IDX) Tel: +6221 5150515

+6221 5150330 Fax: Indonesia Stock Exchange Building, 1st Address:

www.idx.co.id/index-En.html

Tower, Jl. Jend. Sudirman Kav 52-53, Jakarta Selatan 12190, Indonesia

**SERVICE PROVIDERS** 

CITI

Web:

Daniel Wijono

Securities Country Manager +62 21 5290 8956 Tel: **Email:** daniel.wijono@citi.com

Address: Citibank Tower,6th Floor, Jl. Jendral

Sudirman kav. 54-55 Jakarta Selatan

12910, Indonesia Web: www.citigroup.com

**DBS BANK LTD** 

**Endang Triningsih** Vice President

62 21 3040 2090 Tel:

Email: endangt@dbs.com

Plaza Permata, 12th Floor, Jl.M.H. Address:

Thamrin Kav.57, Jakarta 10350,

Indonesia www.dbs.com

Web: **DEUTSCHE BANK** 

#### Elwin Karyadi

Head of GTB and Direct Securities Services,

Indonesia

Tel: +62 21 3189 102 Fax: +62 21 3189 130 **Email:** elwin.karyadi@db.com

Address: Deutsche Bank AG, Jakarta Branch,

Deutsche Bank Building 7th floor, Jl. Imam Bonjol No. 80 Jakarta 10310,

Indonesia

www.tss.db.com Web:

### HSBC

Web:

Cindralela Darsia

Head of HSBC Securities Services Tel: 62 21 5291 4988 cindradarsia@hsbc.co.id Email:

Address: Menara Mulia, 19th floor, JI. Jend. Gatot

Subroto kav 9-11 Jakarta 12930 www.hsbcnet.com

PT BANK CIMB NIAGA TBK

#### Charisma Siasi

Regional Custody Division Head Tel: 6221 30020646 csiasi@cimbniaga.co.id Email:

Address: Graha Niaga, 7th Floor, JI. Jendral Sudirman Kav 58, Jakarta 12190

# STANDARD CHARTERED BANK

# Peter Christmas

Director, Transaction Banking, Investor &

Intermediares, S.Asia Tel: 65 6596 4342

Email peter.christmas@sc.com

Menara Standard Chartered, 5th floor, Address:

JI.Prof.Dr.Satrio No.164, Jakarta 12930

Web: www.standardchartered.com

# **JAPAN**

Web:

Web:

# JAPAN SECURITIES DEPOSITORY CENTRE (IASDEC)

Tel: +81-3-3661-0139

Address: 5th Floor, Daini-Shoken Kaikan Bldg,

1-1, Nihombashi-Kayaba-cho 2-chome,

Chuo-ku, Tokyo www.jasdec.com/en/

# **BANK OF JAPAN (BOJ)**

Tel: +81-3-3279-1111 prdmail@boj.or.jp Email: Web: www.boj.or.jp/en/ **IAPAN SECURITIES CLEARING** 

**CORPORATION (JSCC)** 

# www.jscc.co.jp/en/ JASDEC DVP CLEARING CORPORATION (IDCC)

Tel: +81-3-3661-0139

Address: 5th Floor, Daini-Shoken Kaikan Bldg,

1-1, Nihombashi-Kayaba-cho 2-chome,

Chuo-ku, Tokyo

Web: www.jasdec.com/en/

# JAPAN SECURITIES SETTLEMENT AND **CUSTODY INC (ISSC)**

Web: www.jscc.co.jp/en/ TOKYO STOCK EXCHANGE

Web: www.tse.or.jp/english/index.html

**EUROCLEAR** 

Ryo Kosuda

813 5501 7711 Tel:

**Email:** tokyo.clientservice@euroclear.com Address:

Sanno Park Tower 13F, 2-11-1 Nagatacho, Chiyoda-Ku, Tokyo 100-

6113, Japan

# SERVICE PROVIDERS

# **BNP PARIBAS**

Nobuya Shida

Head of Securities Services, Japan Tel: +813 6377 1263 Fax: +813 5218 5940

nobuya.shida@asia.bnpparibas.com Email: Address: 39/F, Gran Tokyo North Tower, 1-9-1Marunouchi, Chiyoda-ku, Tokyo

100-6741, Japan

#### CITI

Gregory Ellis

Account Manager, Vice President +81 3 6270 9509 gregory.ellis@citi.com Email: Address:

Shin-Marunouchi Building, 5-1,

Marunouchi 1-Chome, Tokyo 100-6517

Web: www.citigroup.com

# **HSBC**

Rajesh Atal

Head of HSBC Securities Services, Japan Tel: +81 (3) 5203 3686 **Email:** rajesh.atal@hsbc.co.jp

Address: The Hongkong and Shanghai Banking

Corporation Limited, HSBC Building, 3-11-1 Nihonbashi, Chuo-ku, Tokyo 103-

0027, Japan

Web: www.hsbcnet.com/hss

# MIZUHO CORPORATE BANK LTD

Masaaki Yamaguchi

Senior Vice President, Head of Customer Service

Tel· 81-3-3532-9534

masaaki.yamaguchi@mizuho-cb.co.jp Email: Address: 4-16-13, Tsukishima, Chuo-ku, Tokyo 104-0052

www.mizuhocbk.co.jp STANDARD CHARTERED BANK

# **David Gilmour**

Managing Director, Transaction Banking, North East

Asia

Tel: 852 2821 1991 david.gilmour@sc.com **Email:** 

Sanno Park Tower, 21st Floor, 2-11-1 Address: Nagata-cho, Chiyoda-ku, Tokyo 100-

Web: www.stanchart-custody.com

# SUMITOMO MITSUI BANKING CORP

## Mitsushiro Kaminishizono Assistant Vice President

81 3 4333 6196 Tel:

Kaminishizono\_Mitsushiro@dn.smbc. **Email:** co.jp; smbc\_cust\_business\_promotion@

rn.smbc.co.jp

2-3, Otemachi 1-Chome, Chiyoda-ku Address:

Tokyo 100-0004

Web: www.smfg.co.jp/english/

# THE BANK OF TOKYO-MITSUBISHI UFJ LTD

# Shinya Hirota

Deputy General Manager, Head of Custody

Relationship Management +813 5404 2701 Tel: **Email:** shinya\_hirota@mufg.jp

Address: 11-3, Hamamatsucho 2-Chome, Minato-

ku, Tokyo 105-0013, Japan

Web: www.bk.mufg.jp

# **TECHNOLOGY VENDORS**

**NEC CORPORATION** 

Tel: +81 3 57463881

Address: 20-10, Ooi 1-chome, Shinagawa-ku, 140-

0014, Tokyo, Japan www.nec.com

# NTT DATA CORPORATION

Tel: + 81 50 55462382

Address: Toyosu Center Building,3-3, Toyosu 3-chome, Koto-ku, 135-6033, Tokyo,

Japan

Web: www.nttdata.co.jp/en

# **MALAYSIA**

Web:

# **BURSA MALAYSIA BERHAD**

Address: LG Floor, Exchange Square, Bukit Kewangan, 50200 Kuala Lumpur

Tel: (603) 2026 5099 Fax: (603) 2026 4122

Web: www.bursamalaysia.com/market/

#### MYCLEAR

Tel: +603.2264.8600 Fax: +603.2264.8601

corpcomm@myclear.org.my Email: Malaysian Electronic Clearing Address: Corporation Sdn Bhd, Wisma Air Products, Tower 2A, Avenue 5, Bangsar

South, 8 Jalan Kerinchi, 59200 Kuala Lumpur

Web: www.myclear.org.my/

# **BANK NEGARA MALAYSIA (BNM)**

www.bnm.gov.my/

Jalan Dato' Onn P.O. Box 10922 50929 Kuala Lumpur Tel: 603-2698-8044 603-2691-2990 Fax: Telex: MA 34137 / MA 34138

# **SERVICE PROVIDERS**

# **CIMB GROUP**

Jobina Ho

Web:

Head, Client Management +603 2084 8398 Tel: Fax: +603 2093 4933 Email: jobina.ho@cimb.com

Address: Level 7 Wisma Amanah Raya, Jalan

Semantan, Damansara Heights, 50490

Kuala Lumpur

Web: www.cimb.com

# CIMB INVESTMENT BANK BERHAD

# **Chung Siew Foong**

Associate Director and Head, Securities Services -Custody

Tel: 603 -2084 8349 603 - 2093 3720 Fax:

siewfoong.chung@cimb.com Email: 7th Floor, Wisma Amanah Raya Berhad,

www.ib.cimb.com

Ialan Semantan, Damansara Heights, 50490 Kuala Lumpur

Web: CITI

Web:

Benedict Ler

Securities Country Manager +603 2383 2638 Tel: Email: benedict.ler@citi.com

Citibank Berhad (Subsidiary), Level 42, Address:

Menara Citibank 1, 65 Jalan Ampang, 50450 Kuala Lumpur, Malaysia

www.citigroup.com

# **DEUTSCHE BANK**

Mohd Ridzal Sheriff

Head of Direct Securities Services Tel: +603 2053 6737 ridzal.sheriff@db.com Email:

Address: Deutsche Bank (Malaysia)Berhad, Level

20, Menara IMC, 50250 Kuala Lumpur

Web: www.tss.db.com

HSBC

Bee Heong ON

Head of HSBC Securities Services, Malaysia

**Tel:** +603 20753800 **Email:** beeheong@hsbc.com.my

Address: HSBC Bank Malaysia Berhad, 12F, South

Tower, 2, Leboh Ampang, 50100 Kuala Lumpur

Web: www.hsbcnet.com/hss

MAYBANK

Roslin Mohd Jaafar

Head, System and Product Development

Tel: 603-2074 8077

Fax: 603-2032 1572 / 603-2070 0966 Email: roslinmj@maybank.com

Address: 4th Floor, Menara Maybank, 100 Jalan Tun Perak, 50050 Kuala Lumpur

Web: www.maybank2u.com.my

RBC

**Dominique Draux** 

Managing Director, Malaysia **Tel:** 65 6823 5000

Email: dominique.draux@rbc.com

Address: Wisma RBC Dexia, Block 3544, Persiaran

Apec, 63000 Cyberjaya

Web: www.rbcis.com

STANDARD CHARTERED BANK

Simon Cleary

Director, Transaction Banking, Global Product

Management

Web:

Tel: 65 6596 4115 Email: simon.cleary@sc.com

Address: Menara Standard Chartered, 30 Jalan Sultan Ismail, 50250 Kuala Lumpur

Sultan Ismail, 50250 Kuala Lumpu www.standardchartered.com

UNITED OVERSEAS BANK BHD

Kaycee Wong Keng Choy

Manager & Team Leader **Tel:** +603 2031 0476, 603 2772 8283

Email: wong.kengchoy@uob.com.my

Address: Level 9,Bagnuann UOB, 10-12 Medan

Pasar, 50050 Kuala Lumpur

Web: www.uob.com.my

**NEW ZEALAND** 

NEW ZEALAND CLEARING AND DEPOSITORY CORPORATION LIMITED

(NZCDC)

Tel: +64 4 472 7599 Fax: +64 4 496 2893

For queries regarding settlement, corporate

actions or entitlements please contact: Andrew Martin: +64 4 495 5059 Jocasta Walsh: +64 4 495 2838

**Jocasta Walsh:** +64 4 495 2838 **Nicola Reid:** +64 4 496 2871

For risk management please contact:

Jennifer Zhu: +64 9 309 3649 Charmaine Lim: +64 9 3681376 Sasha Srivastava: +64 4 498 0056 Mandy Simpson: +64 4 495 2465 Email: clearing@nzx.com

Address: Level 2, NZX Centre, 11 Cable Street, PO
Box 2959, Wellington, New Zealand

Web: www.nzclearingcorp.com/

RESERVE BANK OF NEW ZEALAND (RBNZ)

Tel: +64 4 472 2029 Fax: +64 4 473 8554 Email: rbnz-info@rbnz.govt.nz

Address: Reserve Bank of New Zealand, 2 The

Terrace, PO Box 2498, Wellington 6140,

New Zealand

**SERVICE PROVIDERS** 

**BNP PARIBAS SECURITIES SERVICES** 

**Hugh Stevens** 

Head of BNP Paribars Securities Services, New

Zealand

Tel: 64 4 439 2167

**Email:** hugh.stevens@au.bnpparibas.com **Address:** Level 2, 1 Victoria Street, Wellington

6001

Web: www.au.bnpparibas.com

CITI

Martin Carpenter

Securities and Funds Services Head
Tel: 612 8225 2411

Email: martin.carpenter@citi.com Web: www.citigroup.com

**HSBC** 

Heshani Perera

Supervisor

Tel: 64 9368 8826

Email: heshaniperera@hsbc.co.nz

Address: HSBC House, 1 Queen Street, Auckland

Web: www.hsbcnet.com

J.P.MORGAN

Lachlan Allardice

Head of Sales & Client Management, Treasury & Securities Services, Melbourne & New Zealand

**Tel:** +613 9633 4277

**Email:** lachlan.allardice@jpmorgan.com **Address:** Level 2, 1 Victoria Street, Wellington

Web: www.jpmorgan.com

NATIONAL NOMINEES LTD

Richard Coia

Managing Director, Sales, Asset Servicing

**Tel:** 61 (03) 8641 1633 **Email:** richard.coia@nab.com.au

Address: Level 12/500 Bourke St., Melbourne VIC

3000

Web: www.nationalncs.com

TRUSTEES EXECUTORS LIMITED

Mark Rosevear

Head of Business Development **Tel:** +64 21 343 919

Email: mark.rosevear@trustees.co.nz

Address: Trustees Executors Limited, PO Box 10519, Wellington 6143, New Zealand

Web: www.trustees.co.nz

PAKISTAN

Web:

CENTRAL DEPOSITORY COMPANY (CDC)

Tel: (92-21) 111-111-500 Fax: (92-21) 34326031 Email: info@cdcpak.com

Address: CDC House, 99-B, Block 'B', S.M.C.H.S., Main Shahra-e-Faisal, Karachi - 74400.

www.cdcpakistan.com/

STATE BANK OF PAKISTAN (SBP)

**Tel:** 111-727-111 **Email:** info@sbp.org.pk

Address: Central Directorate, I.I. Chundrigar

Road, Karachi, Pakistan www.sbp.org.pk/

NATIONAL CLEARING COMPANY OF

PAKISTAN LTD (NCCPL)

Tel: (92-21) 32460811-19
Fax: (92-21) 32460827
Email: info@nccpl.com.pk

Address: 8th Floor, Karachi Stock Exchange

Building, Stock Exchange Road, Karachi

- 74000, Pakistan **Web:** www.nccpl.com.pk/

SERVICE PROVIDERS

CITI

Uzma Ladak

Securities Country Manager
Tel: +92 21 263 8357
Email: uzma.ladak@citi.com

Address: Citibank, N.A. (Branch), AWT Plaza,

I.I. Chundrigar Road, P.O. Box 4889,

Karachi74200, Pakistan www.citigroup.com

Web: www.citigroup.o

K. Hammad Izz-e-Hamid

Head of Direct Securities Services

Tel: +9221 3520 7340

Fax: +9221 3565 8314

Email: hammad.izz-hamid@db.com

Address: Deutsche Bank, Karachi Branch, Direct Securities Services, 242 – 243 Avari Plaza, Fatima Jinnah Road, Karachi

75530, Pakistan

Web: www.tss.db.com STANDARD CHARTERED BANK

Peter Christmas

Director, Transaction Banking, Investor &

Intermediares, S.Asia
Tel: 65 6596 4342
Email: peter.christmas@sc.com

Address: Box 4896 Ismail Ibrahim, Chundrigar

Rd, Karachi 74000

Web: www.standardchartered.com

**PHILIPPINES** 

PHILIPPINE STOCK EXCHANGE (PSE)

Tel: (632) 819-4100 Fax: (632) 891-9004

Address: Philippine Stock Exchange Plaza, 2/F

Ayala Triangle, Ayala Avenue, Makati

City 1226 Philippines Web: www.pse.com.ph

BANGKO SENTRAL NG PILIPINAS

Tel: (632) 708.77.01

Address: A. Mabini St. cor. P. Ocampo St., Malate

Manila, Philippines 1004

Email: bspmail@bsp.gov.ph

BSP - SECURITY PLANT COMPLEX

East Ave., Quezon City
Tel: (632) 988.4800
Email: spc@bsp.gov.ph
Address: www.bsp.gov.ph/index.asp

SERVICE PROVIDERS

CITI

Sari Mortel

Securities Country Manager
Tel: +632 894 7557
Email: sari.mortel@citi.com

Address: 8741 Paseo de Roxas, Makati, Metro

Manila

Web: www.citigroup.com

DEUTSCHE BANK AG

Celia D. Orbeta

 Head, Direct Securities Services

 Tel:
 +63 2 894 6970

 Fax:
 +63 2 894 6977

 Email:
 celia.orbeta@db.com

Address: 23F Tower One and Exchange Plaza, Ayala Triangle, Ayala Avenue, Makati

City, Philippines 1226

Web: www.db.com

#### HSBC

**Maris Flores** 

Head of Securities Services, Philippines

Tel: +63 2 581 8200 Email: marisgflores@hsbc.com.ph

Address: 7F HSBC Centre, 3058 Fifth Avenue

West, Bonifacio Global City, Taguig City

1634 Philippines
Web: www.hsbcnet.com/hss

STANDARD CHARTERED BANK

**Peter Christmas** 

Director, Transaction Banking, Investor &

Intermediaries, S.Asia
Tel: 65 6596 4342
Email: peter.christm

Email: peter.christmas@sc.com Address: 5th Floor, 6788 Ayala Ave, Makati City

1200

Web: www.standardchartered.com

SINGAPORE

Web:

Web

CENTRAL DEPOSITORY PTE LTD (CDP),

Tel: (65) 6236 8888 Fax: (65) 65356994

Address: 2 Shenton Way, No. 19-00 SGX Centre 1,

Singapore 068804 www.sgx.com/

MONETARY AUTHORITY OF SINGAPORE (MAS)

Tel: (65)-6225-5577 Fax: (65)-6229-9229

Address: 10 Shenton Way MAS Building,

Singapore 079117 www.mas.gov.sg/

**SERVICE PROVIDERS** 

EUROCLEAR

Chee Kiang Ng

Address: 80 Raffles Place #30-22, UOB Plaza 2,

Singapore 048624 **Tel:** 65 650 7770

Email: singapore@euroclear.com

**BNP PARIBAS SECURITIES SERVICES** 

Elizabeth CHIA

Head of Client Development, Asia Asset Owners,

Asset Managers & Alternatives

Tel: +65 6210 1736

Fax: +65 6210 4954

**Email:** elizabeth.chia@asia.bnpparibas.com **Address:** 20 Collyer Quay, #04-01, Tung Centre,

Singapore 049319

Web: securities.bnpparibas.com

CITI

Adeline Tan

Director, Regional Sales

Tel: +65 6328 5614

Email: adeline.bt.tan@citi.com

Web: www.citigroup.com

**DBS BANK LTD** 

Chang Chee Siong
Senior Vice President
Tel: 65 6878 2375
Email: cheesiong@dbs.com

Address: 6 Shenton Way, DBD Building Tower

One (S) 068809, Singapore

Web: www.dbs.com

DEUTSCHE BANK

Christina Ang

Director, Head of Direct Securities Services, Singapore

Branch

**Tel:** 65 6423 6578 **Fax:** 65 6423 6537 **Email:** christina.ang@

Email: christina.ang@db.com
Address: One Raffles Quay, #16-00 South Tower

**HSBC** 

**Tony Lewis** 

Head of HSBC Securities Services, Singapore

Tel: (65) 66580228 Email: tonywlewis@hsbc.com.sg

Address: 20 Pasir Panjang Road, East Lobby,

Mapletree Business City #12-21, Singapore 117439

Web: www.hsbcnet.com/hss

Diana Senanayake

Managing Director, Singapore **Tel:** 352 2605 2995

Email: diana.senanyake@rbc.com

Address: 20 Cecil Street, Equity Plaza #28-01,

Singapore 049705

Web: www.rbcis.com

STANDARD CHARTERED BANK

Peter Christmas

Director, Transaction Banking, Investor &

Intermediares, S.Asia **Tel:** 65 6596 4342

Email: peter.christmas@sc.com

Address: 7 Changi Business Park Crescent, Level

3, Singapore 486028

Web: www.standardchartered.com

UNITED OVERSEAS BANK LTD

Susan Liew Pik Yoong

Vice President - Head of Custody
Tel: +60 3277 26628
Email: custody@uob.com.my

Address: Custody Services Dept, Level 9 Menara

UOB, Jalan Raja Laut, 50350 Kuala

Lumpur

Web: www.uobgroup.com

TECHNOLOGY VENDORS

BCS INFORMATION SYSTEMS

Tel: +65 642 46000 Address: 11 Tampines Central 1, OCBC Tampines

Centre One, #08-00, 529542, Singapore

Web: www.bcsis.com

DECILLION GROUP
Tel: + 65 65 088088

Address: 39 Robinson Road #16-03 \$, Robinson

Point, 068911, Singapore www.decilliongroup.com

HEWLETT-PACKARD

**Tel:** + 65 65 723549

Address: 450 Alexandra Road, 119960, Singapore

Web: www.hp.com/go/fsi

INTEGRO TECHNOLOGIES PTE LTD

**Tel:** + 65 62 554925

Address: No 1 Lorong 2 Toa Payoh, Yellow Pages,

Building #05-01, Singapore Web: www.integrosys.com

www.mitegrosys.com

KOFAX Tel:

Web:

+ 65 627 87662

**Address:** 205 Henderson Road #08-02, 159549,

Henderson Industrial Park, Singapore

Web: www.kofax.com

NCS GROUP

**Tel:** + 65 65 568000

Address: 5 Ang Mo Kio Street 62, NCS Hub,

569141, Singapore

www.ncs.com.sg or www.ncsi.com.cn

OPENLINK

Web:

**Tel:** + 65 65 930800

Address: 6 Temasek Boulevard, #27-03A Suntec

Tower 4, 038986, Singapore

Web: www.olf.com

PEROT SYSTEMS

Tel: + 65 62 364630

Address: #10-03 Robinson Center, 61 Robinson

Road, 068890, Singapore

Web: www.perotsystems.com

SINGAPORE TELECOMMUNICATIONS LTD (SINGTEL)

Address: 31 Exeter Road, Comcentre, 239732,

Singapore
Web: www.info.singtel.com/business

SUNGARD

**Tel:** + 65 62 276400

Address: 8 Temasek Boulevard, #39-02/03, Suntec

Tower 3, 038988, Singapore

Web: www.sungard.com

KOREA (SOUTH)

KOREA SECURITIES DEPOSITORY (KSD)

**Tel:** 82-2-3774-3430 **Email:** contact@ksd.or.kr

General inquiries, Visits to KSD, International relations and cooperation, Global Securities

Services Department
Tel: 82-2-3774-3570
Email: krchoi@ksd.or.kr
Global Custody Team I
Tel: 82-2-3774-3465

Email:

Network management of KSD's foreign custodians, Planning and research on global custody services, Global Custody Team II

bkgo@ksd.or.kr

**Tel:** 82-2-3774-3460 **Email:** onwall@ksd.or.kr

Global custody operations for foreign securities,

Global Investment Services Team
Tel: 82-2-3774-3450
Email: gis@ksd.or.kr

Address: 4Gil 23 Yoinaru, Youngdeungpo-gu,

Seoul 150-948, Korea, Global Business

Department

Web: www.ksd.or.kr/eng/main.home

KOREA EXCHANGE (KRX)

Web: http://eng.krx.co.kr/

 BANK OF KOREA (BOK)

 Tel:
 82-2-759-4114

 Fax:
 82-2-759-4060

 Email:
 bokdplp@bok.or.kr

Email: bokdplp@bok.or.kr Address: 9 Namdaemunno (110, 3-Ga,

Namdaemunno), Jung-Gu, Seoul 100-

794, Korea

Web: www.bok.or.kr/eng/engMain.action

SERVICE PROVIDERS

CITI

Hee-Jin Kim

Securities Country Manager
Tel: +82 22 2077 4391
Email: heejin.kim@citi.com
Web: www.citigroup.com

**DEUTSCHE BANK** 

Minsoo Kyung

Head of Product & Client Management

Tel: +82 2 724 4670 Email: minsoo.kyung@db.com Web: www.tss.db.com

HANA BANK

**Kyoung Ho Park** 

Manager **Tel:** 

**Tel:** 822 – 3788 – 5144 **Fax:** 822 – 754 – 9705

Email: Alfonso.park@hanabank.com

Address: 6F, 140, Da-Dong, Chung-Gu, Seoul,

100-180, Korea.S www.hanabank.com

Web: HSBC

Aloysius Wee

Head of HSBC Securities Services, Korea

Tel: (82 2)2004 0598 Email: aloysiuswee@kr.hsbc.com

The Hongkong and Shanghai Banking Address:

Corporation Limited, 37, Chilpae-ro, Jung-gu, Seoul, Korea (HSBC Building

#25, 1-Ka, Bongrae-Dong) www.hsbcnet.com/hss

Web:

KOOKMIN BANK

Sang-Bum Lee Team Head

Tel: +82 2 2073 5181 822-2073-5199 Fav. sblee7@kbstar.co.kr Email:

Address: Foreign Custody Team of Kookmin

Bank, 10/F, Sewoo Bldg., 10, Yeoidodong, Youngdeungpo-gu, Seoul, Korea

Web: www.kbstar.com

KOREA EXCHANGE BANK (KEB)

Mr. Jung-Ryeal Hong

Head of Cross-border Custody Team +82 2 729 0466 Tel:

Fax: +82 2 776 9307 **Email:** jrhong@keb.co.kr

22nd Fl. KEB Bldg., 181, 2ga Euljiro, Address:

Jung-gu, Seoul 100-793, Korea

Web: www.keb.co.kr

STANDARD CHARTERED BANK

David Gilmour

Managing Director, Transaction Banking, North East

Asia Tel: 852 2821 1991 **Email:** david.gilmour@sc.com

7th Floor, 100, Kongpyung-dong, Address:

Chongro-gu, Seoul, 110-702 Web: www.standardchartered.com

SRI LANKA

CENTRAL DEPOSITORY SYSTEMS (PVT) LIMITED (CDS)

+94 11 2356456 Fax: +94 11 2440396

Address: #04-01, West Block, World trade Center,

Echelon Square, Colombo 01, Sri Lanka

Web: www.cds.lk

LANKASECURE - CENTRAL BANK **OF SRI LANKA (CBSL)** 

Tel: 94 -11 -2477000 / 94 -11 -2440330

94 - 11 - 2330220 cbslgen@cbsl.lk

Central Bank of Sri Lanka, P.O. Box 590, Address:

30, Janadhipathi Mawatha, Colombo 01,

Sri Lanka

**CENTRE FOR BANKING STUDIES** 

Tel: 94 - 11 2477840 Fax: 94 - 11 2867384 Email: cbs@cbsl.lk

No. 58, Sri Jayewardenepura Mawatha, Address:

Rajagiriya

www.cbsl.gov.lk

SERVICE PROVIDERS

CITI

Mihiri Krishnamoorthy Securities Country Manager

Tel: +94 114 794 728 **Email:** mihiri.krishnamoorthy@citi.com Address: Citibank, N.A. (Branch), 65C Dhamapala Mawatha, Colombo 7, Sri Lanka www.

citigroup.com

Web: www.citigroup.com

**DEUTSCHE BANK** 

**Tyrone Hannan** 

Head - Global Transaction Banking / Direct

Securities Services +94 11 4791114 Tel: +94 11 2343336 Fax:

Email: tyrone.hannan@db.com Address: Deutsche Bank AG, Colombo Branch,

86, Galle Road, Colombo 3, Sri Lanka

www.tss.db.com

**HSBC** 

Kelum Edirisinghe

Vice President, Custody and Clearing (94 11) 479 3370 Tel:

Fax: (94 11) 243 8585 custody@hsbc.com.lk Email: Web: www.hsbcnet.com

STANDARD CHARTERED BANK

Peter Christmas

Director, Transaction Banking, Investor &

Intermediares, S.Asia Tel: 65 6596 4342 Email: peter.christmas@sc.com Address: 37, York Street, Colombo 01

**TAIWAN** 

Web:

TAIWAN DEPOSITORY AND CLEARING **CORPORATION (TDCC)** 

www.standardchartered.com

www.tdcc.com.tw/english

TAIWAN STOCK EXCHANGE (TWSE)

Tel: 886-2-27 Email: tdcc@tdcc.com.tw

Address: 363, Fushin N. Rd, Taipei, Taiwan, R.O.C Web: www.twse.com.tw/en/about/company/

contact.php95403

**GRE TAI SECURITIES MARKET (GTSM)** 

Tel: +886-2-2369-9555

Address: 15F, No.100, Sec.2, Roosevelt Road,

Taipei, Taiwan, 10084

Web: www.gretai.org.tw/en/index.php

**SERVICE PROVIDERS** 

BANK OF TAIWAN

**Maxine Chang** 

Assistant Vice President Tel: 886-2-2314-1565 custody@mail.bot.com.tw Email: 49 Wu Chang Street, Sec. 1, Taipei, Address:

Taiwan 100, R.O.C. www.bot.com.tw

Web:

Datong K. Chang

Securities Country Manager +886 2 277 77561 Tel: datong.chang@citi.com Email:

Citibank, N.A. (Branch), 8th Floor, No. 169, Jen Ai Road, Sec. 4, Taipei, Taiwan Web:

www.citigroup.com

**DEUTSCHE BANK** 

Tim Liu

Head of Direct Securities Services +8862-21924276 Tel:

Fax: +8862-21924278 Email: tim.liu@db.com

Address: 3/F, 296 Ren-Ai Road Sec. 4, Taipei 106,

Taiwan

Web: www.tss.db.com **HSBC** 

Shirley Tsai

Head of HSBC Securities Services, Taiwan

+886 2 66312345 Tel: shirleyhltsai@hsbc.com.tw Email:

HSBC Bank(Taiwan) Limited, 16/F, Address: No.3-1 Yuan Qu Street, Nankang District, Taipei, 115 Taiwan, Republic of

China

Web: www.hsbcnet.com/hss

I.P.MORGAN

Richard Lin

Tel: +886 2 27259479 Email: richard.yt.lin@jpmorgan.com

Web: www.jpmorgan.com

STANDARD CHARTERED BANK

David Gilmour

Managing Director, Transaction Banking, North East

Tel: 852 2821 1991 david.gilmour@sc.com Email:

Address: Room B, 7F, 168 Tun Hwa North Road

www.standardchartered.com

**THAILAND** 

THAILAND SECURITIES DEPOSITORY CO. LTD (TSD)

Tel: (66 2) 229 2800 Fax: (66 2) 359 1259 Tsd Call Center: (66 2) 229 2888

Address: 62 The Stock Exchange of Thailand

Building, Rachadapisek Road, Klongtoey,

Bangkok 10110, Thailand Web: www.tsd.co.th

STOCK EXCHANGE OF THAILAND (SET)

Web: www.thaiclearing.com/en/contact.html

**SERVICE PROVIDERS** 

**BANGKOK BANK** 

Benjawan Vichitthanarurk

Vice President and Manager Tel: +66 2 626 3791 Fax: +66 2 626 4545

Email: benjawan.vic@bbl.co.th

Securities Services Department, 333

Silom Road, Bangkok 10500 Thailand www.bangkokbank.com

CIMB THAI BANK PUBLIC COMPANY LTD

Boonyapak Wanichpan

Senior Team Head, Investor Services 66 02 6267099, 66 081 9217728 Tel: Email: boonyapak.w@cimbthai.com Address: Langsuan Buildnig 44, 15th Floor,

> Langsuan Road, Lumpini, Bangkok 10330

CITI

Web:

Dol Watanasri

Securities Country Manager Tel: +662 232 2679

Email: dol.watanasri@citi.com Citibank, N.A. (Branch), 15-17th Floors, Address:

Citibank Tower, 82 North Sathorn Road, Bangkok 10500, Thailand

Web: www.citigroup.com

**DEUTSCHE BANK** 

Jaroungpon Hoonsiri

Head, Direct Securities Services, Thailand

Tel: 662 646 5353 Fax: 662 651 5313

jaroungpon.hoonsiri@db.com Email: Deutsche Bank AG, Bangkok Branch, Address: Direct Securities Services, 27th Floor,

Athenee Tower, 63 Wireless Road,

Bangkok 10330 Thailand

Web: www.tss.db.com

HSBC

Utumporn Viranuvatti

Head of HSBC Securities Services, Thailand

Tel: 662 614 4500

Email: utumpornviranuvatti@hsbc.co.th

Address: The Hongkong and Shanghai Banking

Corporation Limited HSBC Building

Corporation Limited, HSBC Building, 968 Rama 4 Road, Silom, Bangrak, Bangkok 10500, Thailand

Web: www.hsbcnet.com/hss

KASIKORNBANK PUBLIC COMPANY LTD

Decha Ngamthanaphaisarn

Department Head - Securities Services Department

(First Vice President) **Tel:** (662) 470 1940-1 **Fax:** (662) 470 1996-7

Email: decha.n@kasikornbank.com

**Address:** 400/22 Phahon Yothin Avenue, Samsen nai, Phaya Thai, Bangkok 10400

Web: www.kasikornbank.com

SIAM COMMERCIAL BANK PUBLIC COMPANY LIMITED

Thanakrit Tiancharoen

Vice President, Custody Services - Overseas Clients

Tel: +662 544 3930 Fax: +662 544 7475

Email: thanakrit.tiancharoen@scb.co.th
Address: Siam Commercial Bank PCL Head

Office, 7th Floor Zone A 9 Ratchadapisek Rd., Jatujak Bangkok 10900 Thailand

Web: www.scb.co.th

STANDARD CHARTERED BANK

**Peter Christmas** 

Director, Transaction Banking, Investor &

*Intermediares, S.Asia* **Tel:** 65 6596 4342

Email: peter.christmas@sc.com Address: Sathorn Nakorn Tower, 14th Floor, Zone

B, 90 North Sathorn Rd, Bangkok 10500

Web: www.standardchartered.com

TMB BANK PUBLIC COMPANY LIMITED

Weerachai Amornrat-Tana

Executive Vice President

Tel: +662 242 3984-5

Fax: +662 242 3946

Email: weerachai.amo@tmbbank.com

Address: Agent and Securities Services
Department Level 10, Building A 3000
Phahonyothin Road, Chomphon,

Chatuchak Bangkok 10900 www.tmbbank.com

**VIETNAM** 

Web:

HO CHI MINH CITY STOCK EXCHANGE (HOSE)

Tel: (84-8) 38217713
Fax: (84-8) 38217452
Hotline: 08.38218662
Email: hotline@hsx.vn

Address: 16 Vo Van Kiet St., #1 Dist., HCMC,

Vietnam

**Web:** www.hsx.vn/hsx\_en/default.aspx

HANOI STOCK EXCHANGE (HNX, FORMERLY HASTC)

Tel: (84-4) 39412626 Fax: (84.4) 39347818 Email: marketinfo@hnx.vn

Address: No. 02, Phan Chu Trinh Street, Hoan

Kiem District, Hanoi

Web: http://en.hnx.vn/en/web/guest/home

VIETNAM SECURITIES DEPOSITORY (VSD)

**Tel:** (84.4) 3 9747 123 **Fax:** (84.4) 3 9747 120.

**Address:** 15 Doan Tran Nghiep Street, Le Dai Hanh ward, Hai Ba Trung District, Ha

Noi, Viet Nam.

Web: http://vsd.vn/en/home.htm

JOINT STOCK COMMERCIAL BANK FOR INVESTMENT AND DEVELOPMENT OF VIETNAM

Tel: (+84-4) 22205544 Fax: (+84-4) 22200399

Address: BIDV Tower, 35 Hang Voi, Hoan Kiem,

Ha Noi

Web: http://bidv.com.vn/default.aspx

STATE BANK OF VIETNAM (SBV)

Address: 49 Ly Thai To, Ha Noi, Vietnam.

Website permanent group:

Tel: 844.9343327 - Fax 04.9349569 Email: thuongtrucweb@gmail.com or

webmaster@sbv.gov.vn

**SERVICE PROVIDERS** 

CITI

Ha Thu Nguyen

Securities Country Manager
Tel: +84 482 51950 ex 449
Email: hathu.nguyen@citi.com

Address: Citibank, N.A, Hanoi Branch (Branch), 17 Ngo Quyen Street, 1st Floor, Hanoi,

Vietnam

Web: www.citigroup.com

**DEUTSCHE BANK** 

Mai Bich Lien

Client Service Officer

 Tel:
 + 84-8-3914 7397 Ext: 307

 Fax:
 + 84-8-3824 4602

 Email:
 dcs.vietnam-cs@db.com

or dcs-cs@list.db.com

Address: Saigon Center, 14 Floor, 65 Le Loi Boulevard, District, 1, Ho Chi Minh Cit

Boulevard, District, 1, Ho Chi Minh City, Vietnam

Web: www.tss.db.com

**HSBC** 

Vinith Rao

Head of HSBC Securities Services, Vietnam

Address: HSBC Bank (Vietnam) Ltd, 13th Floor, Centre Point Building, 106, Nguyen Van

Troi Street, District Phu Nhuan, Ho Chi Minh City, Vietnam

Web: www.hsbcnet.com/hss

STANDARD CHARTERED BANK

Peter Christmas

Director, Transaction Banking, Investor ಆ

Intermediares, S.Asia
Tel: 65 6596 4342
Email: peter.christmas@sc.com

Address: Hanoi Towers, Unit 8-01, 49 Hai Ba

Trung, Hanoi

Web: www.standardchartered.com



# alfi spring conference







Best Big Data & Business Analytics Project Award



Innovative Application Award 2013



FSTech: Financial Sector Technology Awards 2013

