

Reference Data Management

Accurate, Responsive, Transformed



The ART of Reference Data Management: Accurate, Responsive, Transformed

In the Global Financial Markets information is king and the organizations that have quick and easy access to high-quality data will win out in these turbulent times.

No matter where you work within financial services your job will have information at its core and every job depends on ready access to accurate, reliable, timely and relevant data.

The demand for aligned and centralized financial data underlies every process within Securities and Investments firms. Indeed regulatory acts such as MiFID, Sarbanes-Oxley, Basel II, the U.S. Patriot Act, U.K. Money Laundering and the Security and Exchange Commission's Regulation NMS mandate financial institutions to maintain highly accurate data.

Effective data management calls for a seamless integration between all elements of the overall data management lifecycle.

- strategy
- governance
- operations
- review, analysis and actions.

A Reference Data Management framework for the Data Management life-cycle



Capgemini's Global RDM BPO Services

Capgemini's Global Reference Data Management BPO services delivers data management services for all reference data asset classes and data types that are used and processed by financial institutions. Our services include:

- **Managed RDM Services** - sourcing, input, aggregation and validation of reference data
- **Data integrity services** involving manual and automated cleansing of enterprise data
- **Data analytics BPO services** that delivers operational improvements through business insight.

Our solutions are designed to reduce your costs, improve the quality and breadth of your data and to increase its accuracy, resilience and timeliness whilst you can continue to retain ownership of the processes.

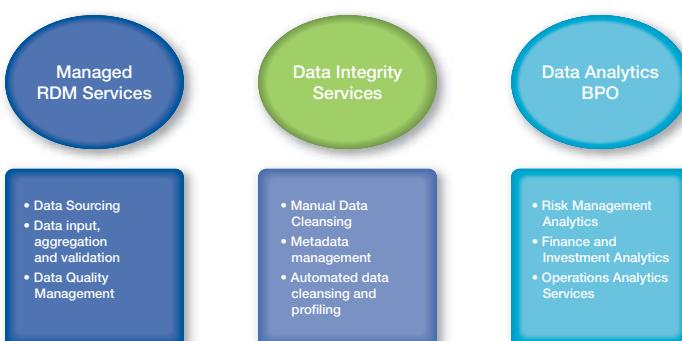
Capgemini's Global BPO Services Portfolio

RDM BPO is part of our Knowledge Process Outsourcing area which is a subset of our global BPO services portfolio that includes:

- Finance & Accounting BPO
- Procurement BPO
- HR BPO
- Knowledge Process Outsourcing
- Customer Care & Intelligence
- Management Assurance Services.



Capgemini's Global RDM BPO services



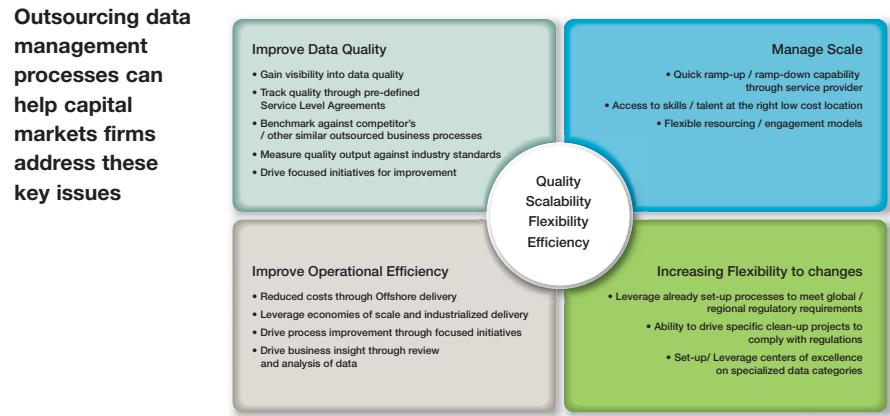
Asset / Data Classes supported

Securities Data

Client and Counterparty data

Pricing Data

Corporate Actions



Key drivers that are impacting data management

Is your data Accurate?

In the financial markets, problems with data can occur at any point in the value chain – at the original source, data vendors or in any number of in-house processes for both buy-side and sell-side firms. The data quality issues are compounded by factors such as:

- Inconsistency and lack of accuracy of data – from the need to validate from multiple sources.
- Lack of common data standards – leading to inconsistency in data definitions and increased likelihood of errors.

Are you Responsive to market and regulatory changes?

Market factors have put a strain on data management processes because they require the delivery of high volumes of data, with low latency, to trading systems. This calls for faster response to high data volumes and an ability to ramp-up/down operations depending on market conditions.

New regulations have forced firms to place a high priority on the production of accurate, timely data to feed internal systems.

Regulatory acts such as Basel II impose stringent norms for capital adequacy, risk measurement and transparency which call for bullet-proof data governance measures.

In addition, the market is witnessing introduction of new, complex financial products and organizations need to respond to these market-driven changes.

Are your processes Transformed to take on the current competitive environment?

Every organization is seeking ways and means to achieve the twin objectives of “improve performance” and “reduce costs”.

A number of operational issues are driving this move towards greater efficiency:

- Need for consolidation and rationalization of data – from multiple disaggregated databases to a single repository run in a shared services mode.
- Dependence on manually intensive procedures – for data cleansing and exception handling.
- Lack of resources for data management – considering the projected growth of reference data services – more resources and a more effective allocation of those resources will be needed to control data.

How Outsourcing can help

1. Focus

The philosophy behind BPO is simple - focus on what you do best and leave non-core functions to service providers who have the deep industry expertise and capacity to deliver. Outsourcing frees up your resources who can then focus on the business of data rather than its administration.

2. Improve Data Quality

It can help benchmark/baseline quality requirements and deliver improvement in quality that can be tracked through pre-defined Service Level Agreements.

3. Manage Scale

Outsourcing can help you manage scale by giving you the flexibility to ramp-up/ramp-down and access the right talent at the right location.

4. Flexibility to Market and Regulatory changes

It provides you with the flexibility to respond to market and regulatory changes by driving focused data update projects aimed at regulatory compliance, or data cleansing initiatives or by setting up centers of excellence on complex products.

5. Improve operational efficiency

By providing services at low cost locations, it can help drive down costs, improve efficiencies through rationalisation/consolidation or through focused initiatives such as six sigma. It can help you derive insights into your business through analytics.

What's different about the Capgemini approach?

When you outsource to Capgemini the first thing you will notice is our flexible and scalable approach and the fact that we can tailor our service to exactly fit the clients need, from the provision of just a few FTEs through to a completely managed service.

One of our unique services is what we call a 'Virtual Captive,' basically it's like you having a subsidiary in India without the associated costs or management headaches. This enables you to keep total ownership of your processes and the service is driven by us as per agreed SLAs.

- End-to-end process support for the Reference Data Management supply chain
- End-to-end process support for all aspects of the RDM life-cycle including: Data Strategy and Governance, Data Operations and Data Review and Analysis
- Providing a more comprehensive service than our competitors by leveraging Capgemini Group expertise and our Financial Sector consulting services, technology capabilities and our leadership in Outsourcing
- Deploying upstream and downstream Business Analytics combined with deep domain expertise to deliver Transformation in RDM through Business Insight.

- Process Control, Managed Risk and Flexibility

- Delivery governance model that lets the customer retain control over their processes while we deliver service at the lowest cost in an SLA-driven mode
- Dedicated Capital markets sector expertise using a tried and tested methodology framework for: Aggregation, Transformation, Governance and Distribution provides accuracy, reliability and timeliness
- Using secure infrastructure, business rules driven technology and alliances with leading RDM tool vendors industrialises the process and supports rapid data assimilation and deliver of the "golden copy" of the data
- Facilitating the support of multiple source data acquisition, validation, cross mapping and normalisation into standard industry wide data mode.

- Offshore Centre of Excellence

- Delivers economies of scale and efficiency driving lowest total cost to process
- Continuous improvement programs and best practice capture combined with root cause analysis and remedials ensures the transformation of RDM into a competitive back office service

- Resourcing options spanning basic headcount, staff transfer through virtual client/service provider management teams to Fully Managed Service running 24/7/365 provide leading SLA driven operations across all global time zones.

- People

- The deep domain expertise and extensive financial market knowledge our people bring in, will ensure that your solution is delivered by a team who add value from day one
- Our people have an in-depth understanding of reference and market data enabling them to interpret/validate complex sources, manage input based on pre-defined business rules and perform multi-stage quality checks to ensure that data is of the highest quality.



About Capgemini and the Collaborative Business Experience

Capgemini, one of the world's foremost providers of Consulting, Technology and Outsourcing services, has a unique way of working with its clients, called the Collaborative Business Experience.

Backed by over three decades of industry and service experience, the Collaborative Business Experience is designed to help our clients achieve better, faster, more sustainable results through seamless access to our network of world-leading technology partners and collaboration-

focused methods and tools. Through commitment to mutual success and the achievement of tangible value, we help businesses implement growth strategies, leverage technology, and thrive through the power of collaboration.

Capgemini employs over 83,000 people worldwide and reported 2007 global revenues of 8.7 billion euros.

More information about our services, offices and research is available at www.capgemini.com.

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