

ABACUS/Regulator

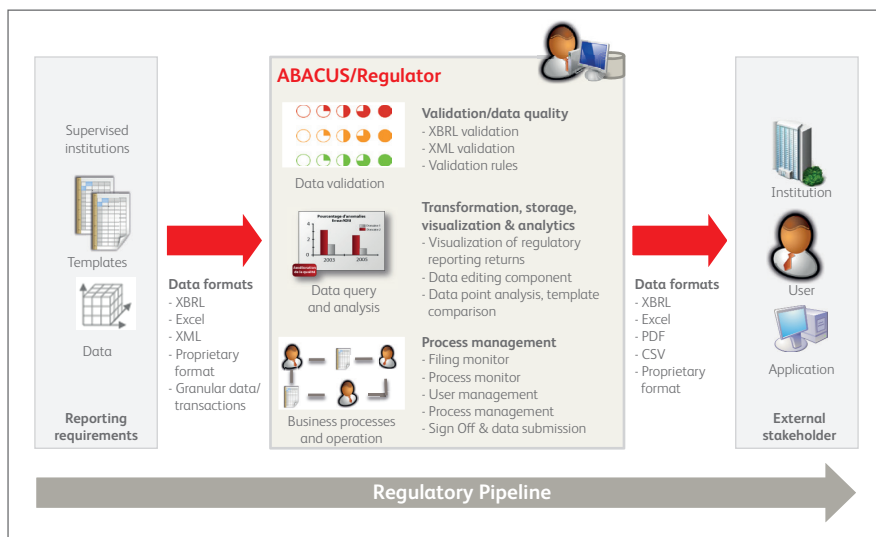
ABACUS/Regulator is BearingPoint's standard software solution for central banks and supervisory authorities that supports regulatory data collection, data validation, data storage, data visualization as well as data remittance for example to pan-European authorities.

Regulatory value chain

ABACUS/Regulator is a new generation data collection platform for the end-to-end regulatory value chain process of prudential supervision. The solution is designed to fulfill operational supervision to full extent encompassing data collection in different file formats, data validation, storage, workflow management and report visualization. BearingPoint provides regulators with the most current published requirements from the pan-European regulators covering functional enhancements, for example reporting of frameworks, as well as taxonomies and XBRL validations.

ABACUS/Regulator is a standard software product for regulators looking for the state-of-the-art end-to-end regulatory reporting solution in order to avoid internal development projects that have been proven risky and costly. The application requires only a very short introduction and configuration phase before going live.

The software provides multi user support and can be deployed in any language. A standard web browser is used as user interface. Regulatory reports can be provided to the regulator via standard data input interfaces. The backend of ABACUS/Regulator is a proven and robust three-tier architecture designed for large data collection. Extensive documentation and software maintenance including hotline are provided in multiple languages.



ABACUS/Regulator functionalities

Software for all regulatory reporting requirements

ABACUS/Regulator is the ideal solution for regulators who want to update their data collection and streamline their internal processes. Various reporting frameworks are supported, including:

- CoRep Core (incl. Leverage Ratio)
- LCR/NSFR
- IP Losses
- Large Exposure
- FinRep
- Asset Encumbrance
- EMIR
- Funding plans
- Solvency II (qualitative & quantitative)
- Additional liquidity monitoring metrics
- National or regulator specific reporting frameworks

ABACUS/Regulator platform:

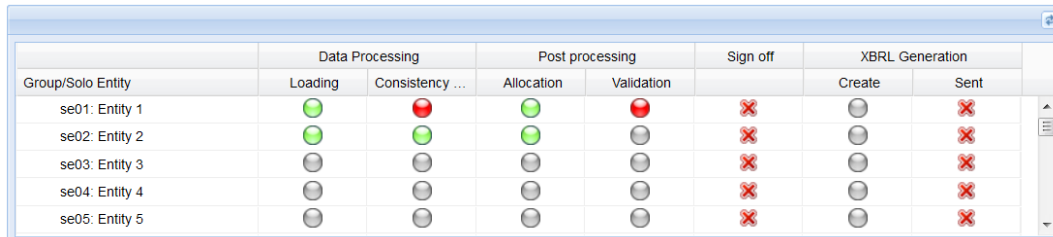
- Integrated end-to-end solution
- Time and cost savings by avoiding timely, risky and costly in-house development
- Rapid go-life process
- High performance engine
- Optimized processes
- Integrated XBRL processor
- Multi user support
- Big data support
- Multi language support
- Save and secure
- Hosted on premises or in cloud
- Regulatory reporting contents maintained by BearingPoint
- Ready for granular transactional data collection

ABACUS/Regulator functionalities:

- Workflow monitor
- Filing monitor
- Process monitor
- Notifications panel
- Data entry via Excel, web browser or XML interface
- Supports all form based reporting processes as well as transactional data collection
- Audit trail
- Approval process
- Export to PDF, Excel, XBRL, CSV
- Data analytics
- Data archiving strategy

Filing-, process- and workflow monitor

The user interface of ABACUS/Regulator is especially designed for regulators and their requirements. A workflow monitor provides supervisory staff an overview of incoming filings and provides access to managing tasks like reviewing validation errors, submission sign off and submission forwarding to external systems or stakeholders. The process can be customized to individual requirements. A process monitor lists all tasks currently executed or finished. Process errors can be accessed through easy to read log files via the user interface or sent via email.



Group/Solo Entity	Data Processing		Post processing		Sign off	XBRL Generation	
	Loading	Consistency ...	Allocation	Validation		Create	Sent
se01: Entity 1	●	●	●	●	✘	●	✘
se02: Entity 2	●	●	●	●	✘	●	✘
se03: Entity 3	●	●	●	●	✘	●	✘
se04: Entity 4	●	●	●	●	✘	●	✘
se05: Entity 5	●	●	●	●	✘	●	✘

Highly performant and flexible quality assurance processes

ABACUS/Regulator runs a multi-level validation process, ensures high performance and reflects all requirements defined by the different user groups involved in the reporting pipeline. This includes a layer to implement customizable quality rules. A high performance engine ensures relevant validations are executed and results provided to reporting entities or supervisory users. The BearingPoint validation engine sets new standards for validating XBRL, XBRL formula, filing rules and custom validation rules.

Data analysis

Incoming filings can be visualized and analyzed by authorities through an online template viewer with export possibilities to Excel or PDF. Data aggregation across multiple filings and dates is available for supervisory users. Individual data point access is supported and can be exported to Excel or CSV. Additional data analysis methods like static reports, trend-, cluster- micro- and macro analysis can be supported. External data warehouses and analytical software can be connected to and from ABACUS/Regulator through multiple interfaces.

Data corrections & audit trail

Manual data corrections within a filing are often a requirement in the regulatory process. Data editing within the ABACUS/Regulator template view for each supervised entity is a standard functionality. Every external or supervisory change is logged by the system encompassing an audit trail assigned to the corresponding user. Each change can be periodically compared. Due to Delta storage of changes the original value can be restored via an integrated roll-back functionality. In addition, versioning is fully supported for regulatory re-submissions.

Deployment scenarios

Besides classic data load processes in a closed operational supervisory system ABACUS/Regulator can also be opened to external filers so they can enter their data through the web browser. Another data entry option is the X2A implementation, where a simple Excel spreadsheet may be uploaded to ABACUS/Regulator.

About BearingPoint

BearingPoint consultants understand that the world of business changes constantly and that the resulting complexities demand intelligent and adaptive solutions. Our clients, whether in commercial or financial industries or in government, experience real results when they work with us. We combine industry, operational and technology skills with relevant proprietary and other assets in order to tailor solutions for each client's individual challenges. This adaptive approach is at the heart of our culture and has led to long-standing relationships with many of the world's leading companies and organizations. Our 3350 people, together with our global consulting network serve clients in more than 70 countries and engage with them for measurable results and long-lasting success.

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