

## Concept Note on Digital Regulatory Reporting (DRR) Solution as part of the proposed Supervisory Technology (SupTech) for International Financial Services Centres Authority (IFSCA)

### Introduction

**International Financial Services Centres Authority (IFSCA)** has been established under the IFSCA Act, 2019 which is headquartered at **GIFT City, Gandhinagar** in Gujarat. IFSCA is a unified Authority for the **development and regulation of financial products, financial services, and financial institutions** in the International Financial Services Centres (IFSCs) in India. As the dynamic nature of business in the IFSCs requires a high degree of inter-regulatory coordination within the financial sector, IFSCA has been established as a unified regulator with a holistic vision in order to promote **ease of doing business** in IFSCs and provide world class regulatory environment. The objective of IFSCA is to develop a strong global connect and focus on the needs of the Indian economy as well as to serve as an international financial platform for the entire region and the global economy as a whole.

IFSCA wants to develop an effective and transparent end-to-end IT-enabled system to promote ease of doing business and put in place a robust **Supervisory Technology (SupTech) System** covering administrative, compliance, and enforcement framework. As a first step towards this, an RFP will be floated to onboard a bidder for **Digital Regulatory Reporting (DRR) solution**.

### Future Roadmap:

IFSCA seeks to implement a DRR solution that shall make the interfacing of the entities operating in IFSC much simpler and provide capabilities to automate the process, thereby making it more effective. IFSCA intends the usage of **XBRL for achieving the said purpose through creation of Taxonomies**.

### Brief Scope of the proposed DRR Solution RFP:

The proposed DRR solution should cater to **web-based report collection using proposed web-portal, taxonomy management, validation mechanisms, reports & dashboards, API integrations, and robust security measures** to comply with IFSCA's regulatory requirements.

The successful Bidder has to develop web portal through which REs can access and submit periodical reports online and IFSCA officials can take suitable action on the forms submitted by the REs.

The proposed data collection, responsive web portal (RE interface and Supervisor interface) shall provide access rights respectively.

The RE interface is the portal for Regulated Entities (REs). The Supervisor and RE interface of the portal shall have Admin functionality, User authentication, Role based access controls.

## **Taxonomy Development for various verticals of IFSCA**

**Development of Taxonomy and Standardization:** Create, reuse, and implement comprehensive taxonomies for all IFSCA verticals & sub-verticals with version control based on global financial standards (IFRS, Basel III, Solvency II, etc.) & best practices.

Define and implement concepts, dimensions, tagging, relationships, and linkbases (presentation, calculation, definition, reference, label) for structured data collection. All Taxonomies should be validated also.

- Ensure extensibility to accommodate future regulatory changes and new reporting requirements.
- It is expected that the Bidder has an implementation capability for standard taxonomies for key verticals/ sectors.
- Designing and developing the Taxonomies, in accordance with the latest XBRL specifications recommended by XBRL International Inc. International best practices should also be adhered to.
- Taxonomy should have clear depiction of schema elements into sub-domains, proper representation of dimensions in the taxonomies and linkages between schema elements as mentioned in the different Linkbases of the taxonomy.
- Testing of Taxonomy – Creation of XBRL instance document for the purpose of testing.

## **Web-Based Portal RE reports Submission & Other data collection channels:**

- Develop web forms (Screen based) for REs of all verticals of IFSCA to submit reports.
- Provide user-friendly front-end interface to REs for uploading the regulatory reports.
- Functionality to be provided to upload DRR reports of REs using utility tool.
- Functionality to be provided to upload DRR reports of REs via APIs.
- Enable multi-format submission support (XML, Json, CSV, Excel, Word, PDF, etc.)
- Capability for modification in Webforms as per requirements of IFSCA.

## **Data Validation & Quality Checks**

- Implement validation rules for data accuracy, completeness, and consistency.
- Ensure real-time data validation with instant alerts on errors.

## **API Integration & System Interoperability**

- Provide API integration functionality for seamless data exchange between IFSCA SWIT (Single Window IT System), REs, and any other integration as per requirement. It is required for synchronizing REs data from existing registration SWIT application.
- Support interoperability and integration with proposed Financial Supervisory Solution (Risk Based Supervision, Inspection and Enforcement) that will be implemented in parallel with DRR Solution through separate RFP process. The proposed Financial Supervisory solution will consume the data of DRR solution.

- Email, SMS, and any other mode of notification/ communication services integration for sending out alerts and notifications.

### **Data Migration**

Define a comprehensive data migration strategy to transfer existing REs legacy data comprising of approximately 36000 data files. The legacy data is available with IFSCA and needs to be migrated in proposed DRR solution. Also, the selected bidder should try to implement all the existing data validation logic in the current old data available in soft copy for the last 5 years need to be migrated as per best possible practice.

- Ensure data integrity, consistency, and validation during the data migration process.
- Implement data mapping to align historical records with the new taxonomy structure.
- Post Data migration, reconciliation, and data migration audit closure to be done by bidder.

### **Data Management**

- Establish a scalable and microservices based architecture for efficient data storage and retrieval.
- Building flexible and scalable data repository including structured/ unstructured data.
- Enable version control for regulatory submissions and historical changes audits trail to be maintained.
- Ensure data encryption and redundancy for secure and resilient data management.

### **Reports & Dashboards**

- Develop reports & interactive dashboards for IFSCA to monitor compliance and regulatory report submission by REs.

### **User Training & Documentation**

- Develop training programs and workshops for REs and IFSCA stakeholders.
- Create user manuals, FAQs, and video tutorials about DRR solution for stakeholders.
- Documentation for end-users and system administrators
- Knowledge transfer to IFSCA, PMU and QA team

### **Operations & Maintenance (O&M) - Post Go live of DRR Solution.**

- O&M support for end-to-end operation of DRR system, performance monitoring and proactive issues resolution.
- Ensure Cloud Infra monitoring & take proactive actions.

## Security & Data Privacy

- Implement end-to-end encryption for data at transit, rest, and data in motion.
- Ensure regulatory compliance for data privacy and governance (DPDP Act, DPDP Rules etc.)
- Adopt security by design principles. Embedding security at every stage of development to build resilient and trustworthy system.
- Compliance with regular security audits, penetration testing, and vulnerability assessments & closure of information security audit reports.

## Cloud Hosting:

- The proposed solution shall be deployed on NIC Meghraj 2.0.
- The bidder must deploy adequate manpower for end-to-end cloud infrastructure management during project Implementation and O&M phase.
- IFSCA will arrange only the provisioning of cloud resources, while the bidder will be responsible for the deployment architecture, solution deployment, configuration, patching, Management, Upgrades, and updates as applicable and ongoing maintenance.

The proposed solution is envisaged to enhance IFSCA's regulatory oversight capabilities by automating reporting workflows, reducing manual intervention, and ensuring robust compliance monitoring. This will be a critical step toward a more transparent and efficient regulatory framework for financial services within the IFSCA ecosystem.

For more details, participants can refer to the IFSCA website [International Financial Services Centres Authority](#). Regulatory reports are available for various verticals under Markets section. E.g., Banking - [Treasury Report V.2.2190620241234.xlsx](#), [Report on Liabilities V.2.2190620241213.xlsx](#) etc.

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