Human Capital and Organizational
Resources Department
Procurements Division
Tenders and Contracts Unit

Jerusalem
September 1, 2025

Request for Information (RFI)

Supply of Banking-System Integration and Implementation Services

1. Introduction

The Bank of Israel provides banking services to its customers (government ministries and financial-service institutions) including, among others:

1.1 Current-account management including account management, authorized signatories, calculation and payment of interest on account balances and transactions, and references to account activity such as bank statements and balance confirmations.

1.2 Bank transfers (payments/receipts), in Israel and abroad, in foreign currency (various currencies) and domestic currency, by means of various settlement institutions such as SWIFT, MASAV (Credits, Debits, and Transfers System), and ZAHAV (real-time gross settlement—RTGS), as well as by intrabank transfers and Immediate Payments.

1.3 Externalizing the activity in Sections 1.1 and 1.2 above within the Bank (e.g., by means of MQ, Event Streaming, etc.) and outside the Bank, to the customers (e.g., a digital site for viewing information, reports and reference documentation, APIs).

In each of these services, the Bank is subject to, and acts in accordance with, domestic and foreign regulation.

The Bank of Israel is interested in reviewing modern platforms for management of said services and the component of a payment hub that can be deployed by the use of a hybrid (on-premises + public cloud) or at least a ready-to-cloud typology (local installation atop an infrastructure that is easily and simply transferrable to a cloud).

2. Purpose of the RFI

2.1 Receiving information on said platforms and systems, including documents and examples that will demonstrate the business processes, functional coverage, architectural maturity, integration patterns, and operational readiness of the solution;

2.2 After receiving the written material, the Bank of Israel will consider meeting with the applicants, each separately and equally, to receive additional information. At the meeting, business and technological solutions may be presented.

The criteria for meeting with participants are proven and ongoing activity in Israel in the field of core banking systems, and payment systems or participants who affirm that they consider Israel as a target market in the field of payments and banking, including integration of Israeli regulation into their digital systems.

3. Quantitative data

No.	Field	Annual quantity	Notes
1.	Bank branches to Bank of Israel	No need for branch management	
2.	Systems connected to banking-service system	14	
3.	Interfaces	Approx. 50	Incoming and outgoing
4.	Customers	Approx. 100	
5.	Customer accounts	Hundreds of accounts	
6.	No. of transactions in foreign currency	Approx. 13,000	Some transactions require SWIFT payment and receipt and some require internal recording in Bank of Israel accounts
7.	Payments via ZAHAV	Several thousand	Future increase expected
8.	Receipts via ZAHAV	Tens of thousands	Future increase expected
9.	Immediate payments	Will be implemented via the new system	Several thousand expected
10.	Immediate receipts	Will be implemented via the new system	Tens / hundreds of thousands expected

No.	Field	Annual quantity	Notes
11.	Annual no. transactions in NIS, **manual**	Several thousand	Manual payments and receipts in internal transfers, MASAV, and ZAHAV
12.	Report messages	Thousands	Incoming and outgoing 9XX messages
13.	Notification and enquiry messages	Hundreds	Incoming and outgoing 1XX and 2XX messages
14.	Recording of settlement outcomes in customer accounts	Hundreds of thousands	MASAV, ZAHAV, Stock Exchange
15.	Reference documentation for customers	Approx. 10 types of reference documentation	A reference is displayed for each action.
16.	Data analysis		Today, the Bank uses internal systems for data analysis
17.	Reports	10–20 reports	

The monetary sums of the transfers range from small amounts in NIS /FX to billions of NIS / FX.

4. Modules included

Field		Example: Standards and interfaces
Payments and receipts	Full support of ISO 20022; same-currency and FX payments; intrabank transfers; routing and control rules; enquiry messages, cancellation messages; credit/debit notifications in acceptable format in SWIFT	REST, gRPC, SQL ,event-stream (Kafka/AMQP), Pub/Sub
Core Banking	Entity management (involved party, customer) including KYC and administrative information, products (banking-outcome template), accounts (customer/product agreement), transactions (in account), credit facilities, fees and pricing, value days, interest calculation	

5. Demonstration scenarios for Bank's meetings with participants

In their response to the RFI, participants must present the following scenarios written form and as screen shots.

In addition, the bank will enable the participants to present the scenarios by demonstrating the system or by using a sandbox dedicated to the Bank of Israel organization. The scenarios marked in the following section as "**to be presented in the demonstration"** are scenarios that are required to be presented to the bank in the demonstration; the other scenarios are optional and may be presented if time permits.

5.1 Payments

- Creation of standard payment/receipt under ISO 20022—in same currency (e.g., NIS→NIS) and with conversion to FX (e.g., $→NIS), including the entire "life-cycle" process of the payment, the validations, controls, and audit trail of the payment/receipt, including payment with several banks in a chain of payment—**to be presented in the demonstration.**
- Various rules that will allow STP payment to be made—**to be presented in the demonstration.**
- Netting of accounts balances by an inter-accounts transfer at the end of the business day—**to be presented in the demonstration.**
- Implementation of payment routing and filtering rules and presentation of documentation in case of rejection or adjustment (specification of correspondence rules)—**to be presented in the demonstration.**
- Intrabank transfers—transfer between two accounts at the same bank.

5.2 Account management and involved parties

- Process of opening new current account in NIS/FX—**to be presented in the demonstration.**
- KYC management for customer, including account-opening process and management of customer's risk components—**to be presented in the demonstration.**
- Integration of examples of customer management and regulation of activity, e.g., sanctions screening—**to be presented in the demonstration.**
- Management of account "static data" such as authorized signatories, contact persons, account owner, etc.—**to be presented in the demonstration.**

- Hierarchization of groups, e.g., a group of companies in which each company has several accounts, with the possibility of viewing consolidated balances at the group level and managing limits on joint current-account facility for group members collectively.

5.3 Additional banking services

- Calculation and payment of current-account interest—**to be presented in the demonstration.**
- Issuance of bank statements, balance confirmations, and various kinds of reference documentation for customer—**to be presented in the demonstration.**

5.4 Definitions and management

- Rules for implementation of business logics and controls, such as choice of appropriate settlement and clearing institution in accordance with currency, stop of a payment in accordance with sum and currency, etc.—**to be presented in the demonstration.**
- Calendar management of local and global value dates for performance of payments/receipts—**to be presented in the demonstration.**
- Audit trail capability—**to be presented in the demonstration.**
- Definition of facilities, rate schedules, and graduated pricing.
- Attaching documents and reference documentation (PDF/photocopy) to customer/entity record and account transactions.
- New-customer intake process, including monitoring of status progress via API.
- Management and support of RMA, SWIFT REF, LEI, and codes of worldwide clearing institutions (NCC).
- Control processes of system components such as payments/receipts and account/customer management.
- Support of Authorization mechanisms such as the four-eye or six-eye approval mechanism.
- Management and definition of alerts.
- The possibility of viewing various payment groups by group or user in accordance with various payment characteristics.

- How user management is conducted in the system (e.g., by means of AD or other definitions), including user role definitions (e.g., “read only”, “edit”, “admin”, etc.) and management by means of a central identity management system (IDM).

5.5 Investigation and reporting tools

- Presentation of the available options within the system for analyzing system activity data—**to be presented in the demonstration.**
- Presentation of the available of data export options from the system for investigation and analytics purposes—**to be presented in the demonstration.**

5.6 Connectivity and interfaces

- Native user interface of the system: screens, forms, dashboards.
- Third-party interface that consumes the system’s APIs—**to be presented in the demonstration.**
- API calls via Postman/Swagger/GraphQL Playground—**to be presented in the demonstration.**
- Asynchronous event capture to a Kafka topic and/or message queue (MQ)
- Cloud readiness.
- Connectivity to an IDM
- System ability to forward or externalize logs to an external system such as a SIEM
- What kind of architecture? 2-tier? 3-tier? client? Web?
- Communication protocols between system components?
- Encryption: communication, data at rest, encryption keys.
- Secure Software Development Life Cycle (SSDLC), including secure coding practices, code reviews, and application security, source code, third-party libraries, and exposed functions

6. Technical outcomes whose existence in the proposed system should be noted

Component	The requirement in detail
Developer portal	Self-registration, OAuth2/OIDC, API catalogue, usage analytics
API	REST+JSON, gRPC, GraphQL, AsyncAPI (event schemas)
Integration patterns	Pub/Sub, request/response, bulk import/export, webhook callbacks
Reference architectures	3 topologies from existing Tier-1/2 banks: (i) cloud-native SaaS, (ii) hybrid active-active, (iii) on-prem core + cloud extensions
Toolchain Ecosystem	CI/CD, IaC templates (Terraform/Helm), monitoring hooks (OpenTelemetry/Prometheus), workflow adapters (MQ, etc.)

7. Outcomes

The participant shall include the following documents in its response to this proceeding:
Demonstration of scenarios via screen shots. In addition, a presentation of the processes, at the Bank's offices or at the particpants` offices, will be required. The presentation will be required to demonstrate the user interface as well as technological approach.

- List of capabilities of the solution and how they are invoked.
- Documentation of the architecture and proposals on how to satisfy the requirements specified in this proceeding.
- The requirements appearing in Sections 5 and 6 are specified in the Excel spreadsheet attached to the RFI documents. For each requirement, the participant shall fill in its response on whether the requirement is supported in each of the following ways:
    - **OOTB standard**—fully supported
    - **Marketplace**—delivered via certified third-party add-on
    - **Client-Config**—configurable by the Bank
    - **Vendor-Dev**—development tailored by the vendor
    - **N/S**—not supported / out of scope

- succinct narrative commentary

- Methodology of project execution in implementing the solution in banking entities: Is the solution integrated by means of a local / foreign integrator or by the participant directly?
- How maintenance is performed (system change requests, debugging, system versions, SWIFT versions, etc.) after the system go-live—is maintenance performed by the vendor or its agent? Are participants' staff needed on the Bank's premises or remotely? Etc.
- Customer stories—presenting the solution as applied by a customer whose banking activity characteristics resemble those of the Bank of Israel. Preference is given to application at central banks.

  • After the meetings with the bank, the participants' will be required to present a cost estimate of the proposed solutions.

8. Participants meet with us to present the system

Stage	Format	Outcome
Getting started	0.5 hour	Getting acquainted and aligning expectations
Functional processes	3.5 hours	
Integration	2 hours	API analysis, interfaces
Architecture	1 hour	Alternative methods of implementation (cloud / local)
Best practices	1 hour	Customer stories, insights from the front lines

9. Approximate schedule

Milestones	Date
Publication of RFI	**T0**
Submission deadline	T0 + 3 weeks
Workshop window	T0 + 6–8 weeks

10. Contact person for questions and clarifications

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The information may be submitted by electronic mail, at tenders@boi.org.il, by Sunday, September 21, 2025, at 12:00.

For further details, please address queries to the email address above.

It should be emphasized that this is an initial stage of information-gathering only and shall not be deemed a request for bids or part of a tendering proceeding or any other binding proceeding. Pursuant to this process, the Bank shall consider, as it sees fit, the continuation of its actions in accordance with professional and topical considerations. This Request shall not be construed as creating an obligation to any of the respondents to the Request, and the binding terms of the project, insofar as the Bank sees fit to carry out the project, shall be the terms that the Bank shall publish for the matter. It is stated for clarity that this Request creates no obligation on the part of the Bank to take any further action pursuant to it in any proceeding, including a contracting proceeding in connection with the topic of the Request as specified above.