

MODIFIABLE RFP TEMPLATE & VENDOR Q&A RUBRIC | VNA-RFP-004 | Application Stack X to Application Stack Y

Request for Proposals (RFP): FOEX Plugin Migration: Replace Discontinued FOEX (ExtJS) with Native Oracle APEX 24.2

Instructions for RFP Author: This template is structured so your IT, Architecture, and Procurement teams can issue a rigorous, apples-to-apples Request for Proposals. Customize the bracketed [Modifiable] fields below or use the companion .md file on the solution portal.

1. Issuing Organization & Procurement Schedule (Modifiable Fields)

RFP Field / Milestone	Modifiable Entry / Target Value
Issuing Organization & Sponsor	[Insert Legal Organization Name, Executive Sponsor & Primary Contact Email]
Project Scope Summary	Transition from FOEX Plugin Framework (Sencha ExtJS Wrapper on Legacy APEX 5.x / 18.x / 19.x / 20.x) to 100% Native Oracle APEX 24.2 (Universal Theme 42, Native Grids, Dynamic Actions)
RFP Issue / Q&A; / Proposal Due Dates	[Issue: YYYY-MM-DD] [Vendor Questions Due: +14 Days] [Proposals Due: +30 Days]
Target Contract Type	Fixed-Price Milestone Deliverables with Automated Parity & Cutover Acceptance Gates

2. Mandatory Technical Scope of Work (Modifiable Requirements)

- [REQ-ARCH-01] APEX Export Metadata & FOEX Plugin Scanner: We parse your application export SQL/YAML via SQLcl to inventory every `PLUGIN\_COM.FOEX.\*` region, item, and dynamic action across all pages, scoring each page by ExtJS customization depth.
- [REQ-ARCH-02] Viewport & Splitter Replacement with Universal Theme 42: Complex FOEX Viewport, Tab, and Accordion containers are replaced with native Universal Theme 42 CSS Grid/Flexbox sub-regions, collapsible drawers, and modal dialogs.
- [REQ-ARCH-03] FOEX Grid & TreeGrid to Native Interactive Grid: FOEX Grids are converted to native APEX 24.2 Interactive Grids with custom `apex.region().call('getViews', 'grid')` configurations, preserving frozen columns, summary rows, and inline editing.
- [REQ-ARCH-04] Zero-Disruption Coexistence & Page-by-Page Cutover: Using APEX session-sharing and AMP navigation routing, we migrate high-complexity FOEX applications module-by-module without freezing ongoing business operations.
- [REQ-ARCH-05] Query Fan-Out Rationalization & Runtime/Inference Filtering: Instead of migrating cloned reports and DataWindows 1-for-1, our AST SQL parser clusters queries by their canonical core JOIN graph, builds governed Oracle 23ai views only for those core queries, and generates dynamic WHERE clauses, faceted filters, and ad-hoc report variations at runtime and via AI inference (APEX 24.2 Smart Filters & Select AI).

3. Component Conversion & Acceptance Matrix

Legacy Artifact / Workload	Required Target Architecture	Engineering Method & Acceptance Gate
FOEX Viewport / Border Layout / Panes	Universal Theme 42 Region Display Selector & CSS Grid	Responsive Native Layout Refactoring
FOEX Grid / Editable Grid Plugin	Native APEX 24.2 Interactive Grid + Server Processes	Metadata Remapping & Native DML Wiring
FOEX Form & Field Plugins (Combo, Lov, Date)	Native APEX Form Region, Popup LOV & Date Picker	Item Type Conversion + Validation Preservation

FOEX Dynamic Actions (Server/Client ExtJS Events)	Native APEX Dynamic Actions + <code>`apex.server.process`</code>	Clean JavaScript & PL/SQL Callback Refactoring
FOEX Master-Detail Linked Panes	Native APEX Master-Detail Interactive Grids	Declarative Parent-Child Region Binding
Cloned Reports / Queries Differing Only by WHERE Clause or Group-By (Query Fan-Out)	Canonical Core SQL View + APEX 24.2 Runtime / AI Inference Filters	AST Join-Graph Clustering (75-90% Report Count Reduction)

4. Mandatory Vendor Q&A; Questionnaire & Evaluation Benchmark Key

Bidders must answer each technical question below. Evaluation committee members can compare vendor answers directly against the Reference Benchmark Key:

Vendor Question 1: Can we migrate off FOEX incrementally without rewriting the entire application at once? [Score: ____ / 10]

Reference Evaluation Benchmark: Yes. By configuring Shared Session Cookies between your existing FOEX app and a new Native APEX 24.2 companion app in the same workspace, users can navigate seamlessly between legacy and modernized pages while we convert module by module.

Vendor Question 2: Do we have to rewrite our underlying PL/SQL packages when removing FOEX? [Score: ____ / 10]

Reference Evaluation Benchmark: Almost all core PL/SQL business logic remains intact. Only the thin FOEX JSON/AJAX wrapper calls are refactored to standard ``apex_json`` or native Interactive Grid DML handlers.

Vendor Question 3: What is included in the downloadable PDF Solution Brief? [Score: ____ / 10]

Reference Evaluation Benchmark: The PDF Solution Brief includes the complete ``COM.FOEX.*`` plugin-to-Native-APEX mapping catalog, SQL queries to audit your workspace's FOEX footprint in 60 seconds, and a phased coexistence architecture.

Vendor Question 4: How do you rationalize report/query fan-out and guarantee 100% customer code & data ownership? [Score: ____ / 10]

Reference Evaluation Benchmark: Vendor must demonstrate AST SQL clustering to collapse cloned queries into governed core views with runtime/AI-inference filters, and deliver 100% customer-owned SQL, PL/SQL, APEX, or cloud code with zero proprietary runtime lock-in.

5. Commercial Milestone Pricing & Evaluation Weighting (Modifiable)

Phase / Deliverable Gate	Required Acceptance Output	Bidder Fixed Fee	Eval Weight
Phase 0: AST Discovery & Blueprint	Complete code/schema AST inventory, dead-code manifest & core SQL fan-out map	\$ [Insert]	20%
Phase 1: Core Schema & Logic Uplift	Target cloud/DB provisioning, automated DDL/code conversion & unit tests	\$ [Insert]	30%
Phase 2: UI, Reports & UAT	Modernized UI/portals, runtime/AOP reports, security VPD/SSO & UAT sign-off	\$ [Insert]	30%
Phase 3: Cutover & Hypercare	Zero-downtime cutover, row/hash reconciliation & 30-day production warranty	\$ [Insert]	20%