

MODIFIABLE RFP TEMPLATE & VENDOR Q&A RUBRIC | VNA-RFP-028 | Database X to Database Y

Request for Proposals (RFP): Oracle RAC, Active Data Guard (Fast-Start Failover) & Maximum Availability Architecture (MAA) on OCI & ODA

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 Single-Instance Oracle, Fragile SAN Replication, Manual Standby Scripts, Split-Brain RAC Clusters to Oracle MAA Gold/Silver: RAC on ExaCS/ODA X11, Active Data Guard 23ai, Application Continuity (TAC)
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] MAA Tier Right-Sizing: Match each database to its exact business SLA - ODA X11 Standard Edition HA for departmental workloads, or RAC + Active Data Guard for Tier-1 ERP and clinical systems.
- [REQ-ARCH-02] Active Data Guard 23ai + Far Sync: Configure synchronous zero-data-loss redo transport (`MAX PROTECTION` / `MAX AVAILABILITY`) with Data Guard Broker and Observer Fast-Start Failover (FSFO).
- [REQ-ARCH-03] Transparent Application Continuity (TAC): Configure role-based Database Services, FAN/ONS fast connection failover, and Transaction Guard so in-flight transactions replay automatically without user errors.
- [REQ-ARCH-04] Active Standby Offload & Cyber Vault: Offload RMAN incremental backups, batch reporting, and read-only Oracle APEX 24.2 dashboards to the Active Data Guard standby while locking immutable backups in OCI Recovery Service.

3. Component Conversion & Acceptance Matrix

Legacy Artifact / Workload	Required Target Architecture	Engineering Method & Acceptance Gate
Storage SAN Snapshot / VM Replication for Oracle DB	Oracle Data Guard / Active Data Guard Redo Transport	Replace block-blind disk replication with SCN-validated in-memory redo apply
Idle Passive Standby Database	Active Data Guard Real-Time Query + RMAN Backup Offload	Open standby read-only with real-time apply; redirect reporting and RMAN I/O off primary
Manual DBA Switchover / Failover Runbooks (2-4 hr RTO)	Data Guard Broker + Fast-Start Failover (FSFO < 15s RTO)	Deploy quorum Observer in third fault domain with automatic Flashback Database reinstate
Application ORA-03113 / Session Drop on Node Failure	Transparent Application Continuity (TAC) + ONS/FAN	Replay uncommitted in-flight SQL transactions transparently on surviving RAC/ADG node
Vulnerable NFS / Tape RMAN Backups	OCI Autonomous Recovery Service / ZDLRA Immutable Vault	Eliminate weekly full backups via forever-incremental delta shipping and retention locks

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 get High Availability with Oracle Standard Edition 2 (SE2) without paying for RAC? [Score: ____ / 10]

Reference Evaluation Benchmark: Yes. While Oracle removed RAC from Standard Edition 2 in 19c, deploying SE2 on an Oracle Database Appliance (ODA X11 High-Availability model) uses native Oracle Grid Infrastructure clusterware failover with shared NVMe storage to provide automated node failover at a fraction of Enterprise Edition cost.

Vendor Question 2: What is Transparent Application Continuity (TAC) and why does it matter? [Score: ____ / 10]

Reference Evaluation Benchmark: Without TAC, when an Oracle node fails over, users in the middle of clicking 'Save' get a connection error and lose their work. TAC tracks session state and automatically replays the in-flight transaction on the surviving node so the user only sees a brief 2-second pause.

Vendor Question 3: 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%