

Procurement Process Guide - Appendix B: Technical Vendor Sourcing Checklist

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Purpose: Ensure all technical vendors (software, cloud services, and technical contractors) meet NexaCore's operational requirements before contract initiation.

1. Technical Fit Assessment

Item	Requirement	Status (Y/N/NA)	Score (1-5)	Notes
1.1 Deployment Model	Is the solution available via API/SaaS or does it require on-premise installation?	[Y/N/NA]	[Score]	SaaS preferred to minimize Ops overhead.
1.2 Data Input/Output	Can the service handle JSON/XML/Protobuf standard formats via REST/gRPC API?	[Y/N/NA]	[Score]	Mandatory for AI workflow integration.
1.3 High Availability (HA)	Does the vendor guarantee HA infrastructure (minimum uptime)?	[Y/N/NA]	[Score]	Must align with our own SLA.
1.4 Performance (Throughput)	Can the system support [X] transactions per second (TPS)?	[Y/N/NA]	[Score]	Test data must be provided.

1.5 Monitoring & Logging	Does the vendor provide standard integration for industry-standard monitoring (e.g., Prometheus, Datadog)?	[Y/N/NA]	[Score]	Required for centralized observability.
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2. Security and Integration Requirements

Item	Requirement	Status (Y/N/NA)	Score (1-5)	Notes
2.1 SSO Compatibility	Does the service support SAML 2.0 or OAuth 2.0 for single sign-on integration?	[Y/N/NA]	[Score]	Mandatory for employee access.
2.2 API Key Management	Does the system allow for granular permissioning and rotation of API keys?	[Y/N/NA]	[Score]	Required for automated workflows.
2.3 Encryption at Rest/Transit	Is data encrypted with AES-256 (at rest) and TLS 1.2+ (in transit)?	[Y/N/NA]	[Score]	Mandatory.
2.4 Multi-Factor Authentication	Is MFA mandatory for all administrative/	[Y/N/NA]	[Score]	Mandatory.

	privileged access to the vendor's platform?			
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3. Commercial and Support Requirements

Item	Requirement	Status (Y/N/NA)	Score (1-5)	Notes
3.1 Regional Support	Does the vendor offer support with personnel fluent in English/Arabic ?	[Y/N/NA]	[Score]	Highly preferred for regional operational efficiency.
3.2 Commercial Flexibility	Does the vendor offer consumption-based or enterprise-level pricing suitable for scaling?	[Y/N/NA]	[Score]	
3.3 Contract Terms	Are data extraction and termination clauses favorable to NexaCore?	[Y/N/NA]	[Score]	Must align with Legal guidelines.