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# Business Requirement Document

**BRD Name**: **NOCPL API Integration & On-boarding Microsure in Sourcing Application AXIS BC**

## V 1.0

## BRD No: 1

# BRD History:

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| Prepared BY | Reviewed By | Version# | Date | Tech Owner | Business Owner |
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**1. Executive Summary**

The sourcing application requires integration with NOCPL APIs to enable seamless onboarding, authentication, and data exchange with NOCPL systems. This integration will streamline vendor/supplier sourcing, improve compliance, and reduce manual data entry.

**2. Business Objectives**

* Automate supplier onboarding via NOCPL APIs.
* Enable real-time data exchange for supplier validation and status updates.
* Improve compliance with NOCPL’s operational and regulatory standards.
* Reduce manual data entry errors and operational delays.

**3. Scope**

In Scope: Integration of NOCPL APIs, onboarding automation, authentication, logging, data synchronization.  
Out of Scope: Major UI redesigns, legacy systems outside NOCPL scope, manual onboarding not covered by APIs.

**4. Stakeholders**

* Business Owners – Procurement / Sourcing Team
* Technical Owners – IT / API Integration Team
* External Stakeholders – NOCPL API Team
* End Users – Procurement Officers, Vendor Managers

**5. Business Requirements**

**Sample:**

* BR-01: Sourcing application shall integrate with NOCPL APIs for vendor onboarding (High).
* BR-02: The system shall authenticate via NOCPL-provided API mechanism (High).
* BR-03: The system shall fetch and validate supplier data in real-time (High).  
  *(Full table included in document)*

**6. Functional Requirements**

* API Integration with NOCPL endpoints.
* Secure Authentication.
* Data Mapping between systems.
* Error Handling & Retry.
* Logging & Auditing.
* Notifications for onboarding events.

**7. Non-Functional Requirements**

* Performance (≤ 3s response).
* Security (TLS 1.2+, encryption).
* Scalability (X suppliers concurrent).
* Reliability (99.5% uptime).
* Compliance with NOCPL standards.

**8. Assumptions & Dependencies**

* NOCPL will provide sandbox/test APIs.
* API documentation available.
* Reliable connectivity.
* Version management handled by NOCPL.

**9. Risks**

* API downtime.
* Data mismatches.
* Security vulnerabilities.
* Dependency on NOCPL SLA.

**10. Acceptance Criteria**

* Successful test & production integration.
* Automated onboarding without manual intervention.
* SLA compliance.
* Logging, auditing, retries working.