

API SPECIFICATIONS

VERIFIED STANDARD

RESTful API Engineering, Versioning & OpenAPI 3.1 Standards

Predictable JSON Payloads, Bearer Authentication & Rate Limiting

Document Scope:	API specifications for internal microservices and external public integrations.
Target Audience:	Frontend Developers, Mobile App Engineers, Third-Party Integration Partners
Classification:	Public · Royalty-Free Engineering Reference · ISO/IEC Aligned

1. EXECUTIVE SUMMARY & STANDARDS ALIGNMENT

Defines API engineering guidelines including semantic HTTP verb usage, consistent error payload structures, Bearer JWT authentication, sliding window rate-limiting, and machine-readable OpenAPI 3.1 schemas.

2. RESPONSE SERIALIZATION & ERROR UNIFORMITY

All Sibiri APIs guarantee predictable JSON responses wrapping data, meta pagination, and standardized error codes matching RFC 7807 problem details.

```
{ "success": true, "data": { "id": 101, "status": "processed" }, "meta": { "page": 1, "per_page": 15, "total": 101 }, "timestamp": 1726400000 }
```

INSTITUTIONAL GOVERNANCE & ENGINEERING SLA

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