

# **Finanzas SD - API Contracts**

Finanzas SD - Architecture, Flows & SOPs

Arquitectura, Flujos y Procedimientos

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## 1 Finanzas SD – API Contracts

**Last updated:** 2025-12-06

**Audience:** Engineers, Integration Teams

**Purpose:** Detailed API contracts with request/response examples

Autenticación: JWT Cognito. Grupos típicos: PMO, SDMT, FIN, EXEC\_R0. A menos que se indique, se requiere token con uno de estos grupos.

### 1.1 Rubros Catalog

#### 1.1.1 GET /catalog/rubros

- **Purpose:** Lista el catálogo maestro de rubros.
- **Auth:** PMO, SDMT, FIN.
- **Response:**

```
[ ] [ { "id": "RUB-1001", "nombre": "Servicios Profesionales", "categoria": "OPEX",  
"linea_codigo": "6100", "tipo_costo": "variable", "moneda_base": "USD" } ]
```

### 1.2 Projects

#### 1.2.1 GET /projects

- **Purpose:** Listar proyectos visibles para el usuario.
- **Auth:** PMO, SDMT, EXEC\_R0.
- **Response:**

```
[ ] [ { "id": "PRJ-001", "nombre": "Implementación NOC", "cliente": "Ikusi", "mon-  
eda": "USD", "estado": "en_progreso", "start_date": "2025-01-15" } ]
```

#### 1.2.2 POST /projects

- **Purpose:** Crear proyecto en Finanzas SD.
- **Auth:** PMO, FIN.
- **Request:**

```
[ ] { "nombre": "Implementación NOC", "cliente": "Ikusi", "moneda": "USD", "start_date":  
"2025-01-15", "end_date": "2025-06-30", "responsable": "pmo.user@ikusi.com" }
```

- **Response:**

```
[ ] { "id": "PRJ-001", "message": "project created" }
```

### 1.3 Line items y rubros por proyecto

#### 1.3.1 GET /line-items?project\_id=PRJ-001

- **Purpose:** Consultar line items asociados a un proyecto y sus rubros.
- **Auth:** PMO, SDMT, FIN.
- **Response:**

```
[ ] [ { "id": "LI-01", "project_id": "PRJ-001", "rubro_id": "RUB-1001", "descripcion": "Ingeniería", "monto": 15000, "moneda": "USD", "mes": "2025-02" } ]
```

#### 1.3.2 POST /projects/{projectId}/rubros

- **Purpose:** Adjuntar rubros del catálogo a un proyecto.
- **Auth:** PMO, FIN.
- **Request:**

```
[ ] { "rubros": [ { "rubro_id": "RUB-1001", "monto": 15000, "moneda": "USD" }, { "rubro_id": "RUB-2001", "monto": 8000, "moneda": "USD" } ] }
```

- **Response:**

```
[ ] { "project_id": "PRJ-001", "attached": 2 }
```

### 1.4 SDMT Catalog

#### 1.4.1 GET /catalog/sdmt

- **Purpose:** Consulta sincronizada del catálogo SDMT usado para line items.
- **Auth:** SDMT, PMO.
- **Response:**

```
[ ] [ { "id": "SDMT-001", "nombre": "Servicio administrado", "categoria": "NOC" } ]
```

## 1.5 Reconciliation y facturas

### 1.5.1 POST /uploads/docs

- **Purpose:** Cargar documentos de conciliación (module=reconciliation).
- **Auth:** PMO, FIN.
- **Request (multipart JSON metadata):**

```
[ ] { "module": "reconciliation", "project_id": "PRJ-001", "line_item_id": "LI-01",
      "filename": "factura-febrero.pdf" }
```

- **Response:**

```
[ ] { "doc_id": "DOC-abc123", "s3_key": "projects/PRJ-001/docs/DOC-abc123.pdf"
      }
```

### 1.5.2 POST /projects/{projectId}/invoices

- **Purpose:** Registrar factura o prefactura para conciliación.
- **Auth:** PMO, FIN.
- **Request:**

```
[ ] { "invoice_number": "FAC-2025-001", "periodo": "2025-02", "moneda": "USD",
      "monto": 23000, "line_items": [ { "line_item_id": "LI-01", "monto": 15000 }, { "line_item_id":
      "LI-02", "monto": 8000 } ] }
```

- **Response:**

```
[ ] { "invoice_id": "INV-001", "status": "registrada" }
```

### 1.5.3 GET /invoices?project\_id=PRJ-001

- **Purpose:** Listar facturas de un proyecto para conciliación.
- **Auth:** PMO, FIN, SDMT (solo lectura).
- **Response:**

```
[ ] { "data": [ { "invoice_id": "INV-001", "project_id": "PRJ-001", "periodo": "2025-
02", "monto": 23000, "moneda": "USD", "estatus": "registrada", "rubro_canonical":
"MOD-ING", "month": "2025-02", "amount": 23000 } ], "projectId": "PRJ-001", "to-
tal": 1 }
```

- **Notes:**

- Response includes `rubro_canonical` field computed from `linea_codigo` → `rubrold` → `rubro` → description for reliable matching
- month normalized from `invoiceDate` (YYYY-MM format)
- amount normalized from `amount/total` fields

## 1.6 Budgets

### 1.6.1 GET /budgets/all-in/monthly?year=2026

- **Purpose:** Obtener presupuestos mensuales para un año específico.
- **Auth:** SDMT, EXEC\_R0, ADMIN.
- **Response:**

```
[ ] { "year": 2026, "currency": "USD", "months": [ { "month": "2026-01", "amount": 1000000 }, { "month": "2026-02", "amount": 6000000 } ], "monthlyMap": { "2026-01": 1000000, "2026-02": 6000000 }, "updated_at": "2026-01-15T10:30:00Z", "updated_by": "admin@example.com" }
```

- **Notes:**

- `monthlyMap` added for O(1) month-to-amount lookups
- `months` array preserved for backward compatibility