TESTS FOR ENGLISH ENDPOINTS - Document 2: Validation & Send (English)

Overview

Tests for invoice validation and sending using the English endpoints `/api/english-invoices/validate` and, if mapping exists, the `/api/facturas/enviar` flow for sending (English controller converts and uses same send logic).

1. POST /api/english-invoices/validate

1.1 Validate by key + consecutive

Request:

```
POST /api/english-invoices/validate
Content-Type: application/json

{ "key": "50602272020110310000100010010000000003", "consecutive": "00100010010000000003" }
```

Expected (200 OK):

```
{ "success": true, "method": "key_consecutive", "valid": true, "mode": "SIMULATED",
"validation": { "key": "...", "consecutive": "...", "hash": "...", "messages": [], "status":
"VALIDATED" } }
```

1.2 Validate by payload

Send a full English payload in `payload` field. Expect structural validation result and ATV simulated validation where applicable.

1.3 Failure - Missing parameters

If neither `key+consecutive` nor `payload` provided return 400 with instructions.

2. Sending flow (English requests mapped to send action)

Note: There is no separate English `send` endpoint; the English controller issues and can reuse the Spanish `enviar` logic. Tests below assume using Spanish send endpoint after issuing via EN endpoint or using translated body.

2.1 Send by key (happy path)

Request:

```
POST /api/facturas/enviar
Content-Type: application/json
```

```
{ "clave": "50602272020110310000100010010000000003", "pin": "1234" }
```

Expected (200 OK):

```
{ "success": true, "clave": "...", "consecutive": "...", "status": "SENT", "estado":
"ACCEPTED", "mode": "SIMULATED", "haciendaResponse": { "code": "200", "message": "..." } }
```

2.2 Failure - Missing PIN

If `pin` is not provided, expect 400 and message stating missing parameter.

2.3 Reattempt on failure

Simulate first send failing due to invalid PIN, second attempt with correct PIN should succeed. Verify storage metadata updated to SENT and `sentAt` present.

Summary - Document 2

- Focused on `/api/english-invoices/validate` and send flow interoperability
- Includes success, parameter missing, and retry scenarios
- Ready to implement as automated tests or Postman requests