

# Test Plan Document for DataFlex Web Service - Country Information

## 1. Introduction

This document outlines the test strategy for validating the **Country Information Web Service** (web samples, country info) hosted at `webservices.oorsprong.org`. The primary focus is on testing the **CurrencyName** operation, which retrieves a currency's name based on its ISO code.

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## 2. Test Objectives

- Verify the correct functionality of the **CurrencyName** operation.
  - Validate responses in **SOAP 1.1, SOAP 1.2, and JSON** formats.
  - Test error handling for invalid inputs.
  - Ensure compliance with HTTP standards.
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## 3. Scope

### In Scope

- Functional testing of `CurrencyName` operation.
- Validation of request/response formats (SOAP 1.1, SOAP 1.2, JSON).
- Input validation (valid/invalid ISO codes).
- HTTP status code verification.

### Out of Scope

- Performance/Load testing.
- Security testing (penetration testing).

- UI/UX testing (since this is a pure API service).

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## 4. Test Environment

Component	Details
Service URL	<code>http://webservices.oorsprong.org/websamples.countryinfo/CountryInfoService.wso</code>
Test Tool	Postman, SoapUI, or cURL
Test Data	Valid & invalid ISO currency codes (e.g., <code>USD</code> , <code>EUR</code> , <code>XYZ</code> )

## 5. Test Cases

### 5.1 Functional Test Cases

#### Test Case 1: Valid Currency ISO Code (SOAP 1.1)

Field	Value
Objective	Verify correct response for a valid ISO code.
Method	<code>POST</code>
Endpoint	<code>/websamples.countryinfo/CountryInfoService.wso</code>

Headers	Content-Type: text/xml; charset=utf-8
Request Body	<<<xml

Test Cases for CurrencyName Web Service

TC-ID	Test Scenario	Protocol	Input (sCurrencyISOCode)	Expected Response	Expected Status Code
TC01	Valid Currency (USD) - SOAP 1.1	SOAP 1.1	USD	<CurrencyNameResult>USDollar</CurrencyNameResult>	200 OK
TC02	Valid Currency (EUR) - SOAP 1.2	SOAP 1.2	EUR	<CurrencyNameResult>Euro</CurrencyNameResult>	200 OK
TC03	Valid Currency (JPY) - JSON	JSON	JPY	"Japanese Yen"	200 OK
TC04	Invalid Currency (XYZ) - SOAP 1.1	SOAP 1.1	XYZ	Empty/error response (e.g., "")	200 OK

TC05	Empty Input - JSON	JSO N	" "	Error message (e.g., "Invalid ISO code")	400 Bad Request
TC06	Malformed XML Request	SOA P 1.1	<Malformed> USD</Malfor med>	SOAP fault/error	400 Bad Request
TC07	Non-Existing Currency (ABC) - JSON	JSO N	ABC		