



TELESPAZIO

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Billing Service Interface Control
Document
EOEPCA.ICD.xxx

TVUK System Team

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Billing Service Interface Control Document

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EO Exploitation Platform Common Architecture

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| COMMENTS and ISSUES If you would like to raise comments or issues on this document, please do so by raising an Issue at the following URL https://github.com/EOEPCA/um-billing-service/issues . | PDF This document is available in PDF format here . |
| EUROPEAN SPACE AGENCY CONTRACT REPORT The work described in this report was done under ESA contract. Responsibility for the contents resides in the author or organisation that prepared it. | TELESPAZIO VEGA UK Ltd 350 Capability Green, Luton, Bedfordshire, LU1 3LU, United Kingdom. Tel: +44 (0)1582 399000 www.telespazio-vega.com |

AMENDMENT HISTORY

This document shall be amended by releasing a new edition of the document in its entirety. The Amendment Record Sheet below records the history and issue status of this document.

Table 1. Amendment Record Sheet

| ISSUE | DATE | REASON |
|-------|------------|---------------------------|
| 0.1 | dd/mm/yyyy | Initial in-progress draft |

Chapter 1. Introduction

1.1. Purpose and Scope

This document presents the Billing Service Interfaces for the Common Architecture. It servers as a complementary document to its corresponding Software Design Document.

Chapter 2. Overview

This Interface Control Document (ICD) is a companion to the System Design Document for the Billing Service. The ICD provides a Building Block level specification of the interfaces exposed by the BIS to the rest of EOEPKA components.

Section [\[Interfaces\]](#)

Provides the interface specification of the Building Block.

Chapter 3. Billing Service Interfaces

Abstract

*This OpenAPI Document describes the endpoints exposed by Billing Service Building Block deployments.

 Using this API will allow to validate billing events and generate billing reports.*

3.1. Endpoints

3.1.1. Billing Checks

3.1.1.1. Policy Validation

POST /billing/validate

Billing Event check

3.1.1.1.1. Description

This operation validates a received billing event, by contacting the Pricing Engine for specific checks.

3.1.1.1.2. Parameters

<TBD>

3.1.1.1.3. Return Type

<TBD>

3.1.1.1.4. Responses

Table 2. http response codes

| Code | Message | Datatype |
|-------|---------|----------|
| 200 | OK | <TBD> |
| <TBD> | NOK | <TBD> |

3.1.1.1.5. Samples

3.1.2. Billing Report

3.1.2.1. Billing POST

POST /billing/report

Generates a billing report based on passed billing identity

3.1.2.1.1. Description

This operation takes a passed billing identity value, validates it against the user identity passed in the authentication token, using the OIDC connection to the Login Service, and generates a report of billing events matching the identity.

3.1.2.1.2. Parameters

Header Parameters

| Name | Description | Required |
|---------------|---------------------|----------|
| Authorization | JWT or Bearer Token | - |

Data Parameters

| Name | Description | Required |
|------------|------------------|----------|
| billing_id | Billing identity | Yes |

3.1.2.1.3. Return Type

array[[[billing events](#)]]

3.1.2.1.4. Content Type

- application/json

3.1.2.1.5. Responses

<TBD>

3.1.2.1.6. Samples

3.2. Models

3.2.1. Billing Event

| Field Name | Required | Type | Description | Format |
|---------------|----------|--------|--|--------|
| billing_id | Yes | String | Billing Identity | <TBD> |
| resource_list | Yes | Array | Array of resource_ids to validate access | <TBD> |

<< End of Document >>