



TELESPAZIO

a LEONARDO and THALES company

Billing Service Interface Control
Document
EOEPCA.ICD.xxx

TVUK System Team

Version 1.0, 30/11/2020:

Billing Service Interface Control Document

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EO Exploitation Platform Common Architecture

Billing Service Interface Control Document

EOEPCA.ICD.xxx

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 >>