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<b>CIT Project</b>	<b>System/Subsystem:</b> <b>WEB SOFTWARE</b>
<b>Title :</b> <b>ACCEPTANCE TEST PLAN - SBDB API- SW ACCEPTANCE TEST PLAN - STP</b>	

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SUMMARY:			
The objective of this document is present the acceptance test plan for the validation of the <b>SBDB Close-Approach Data API</b> .			
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## 1 INTRODUCTION

### 1.1 PURPOSE

The objective of this document is present the acceptance test plan for the validation of the **SBDB Close-Approach Data API**.

### 1.2 SCOPE

1. The acceptance plan have a partial coverage tests of the CIT API. This includes automated test suite integration and system tests at SW level.
2. The plan activities address to assess the correct implementation of the software requirements of the AOCS subsystem.
3. It describes the test environment to be used for the testing, identifies the features to be tested, the tests to be performed, and provides schedules for the test tasks.

### 1.3 APPLICABLE DOCUMENTS/API

<https://ssd-api.jpl.nasa.gov/cad.api>

### 1.4 REFERENCE DOCUMENTS

1. [SBDB Close Approach Data API \(nasa.gov\)](https://ssd-api.jpl.nasa.gov/cad.api)

### 1.5 DEFINITIONS, ACRONYMS AND ABBREVIATIONS

N/A (No applicable)

## 2 FEATURES TO BE TESTED

1. This test plan will have a partial coverage over the API.
2. The test is the type automation test.
3. The test will be executed in Docker with a framework of Newman described on environment item.

### 2.1 SYSTEM TESTING

1. At the system testing level, the system as a whole must be validated according to the specified in [SBDB Close Approach Data API \(nasa.gov\)](#).
2. The version of the <https://ssd-api.jpl.nasa.gov/cad.api> is v1.4.

## 3 ITEM PASS/FAIL CRITERIA

1. A test item will be considered accepted after passing OK the 100% of the test procedures.
2. In case that the test case is not correct, it will be rewritten and executed in a new version of the document.

### 3.1 TEST PROCEDURE SPECIFICATIONS

1. Test procedure specifications will be stored in Github.
2. There will be one document that will contain the test procedures specification. This document will be updated in each tag.
3. Test procedures will be organized according to the feature to be tested.
4. Each test procedure will have a unique identifier.
5. Issues identified during the testing of the application will reported on the Reporter Test.

## 4 ENVIRONMENTAL

### 4.1 DOCKER DESKTOP

1. The configuration of the environment is set on:  
phermosilla/newman Image ID 7936797a923.  
Newman version: 5.2.4  
Alpine: v3.15

## 5 ENVIRONMENT

### 5.1 DOCKER DESKTOP

2. The configuration of the environment is set on the framework:

phermosilla/newman Image ID 7936797a923.

Newman version: 5.2.4

Alpine: v3.15

For the installation of the image execute from a console the command:

@ `push phermosilla/newman`

## 5.2 POSTMAN:

1. Test Collections:

*Test\_Acceptance\_SBDB\_API:*

JSON: <https://www.getpostman.com/collections/3b8900b1fc716efbd8f3>

*Test\_Acceptance-FilterClass:*

JSON: <https://www.getpostman.com/collections/61e7aefc9979c6d08921>

*Test\_Acceptance\_SBDB\_BodyFilter*

JSON: <https://www.getpostman.com/collections/dbccbf8a5c41f9d5641f>

## 5.3 REPORTS JSON AND HTML:

1. The execution of each test suit have two outload report .JSON and .HTML.
2. The report are automatically save on the execution folder.

For *Test\_Acceptance\_SBDB\_API:*

SBDB-API-Report.json

SBDB-API-Report.html

For *Test\_Acceptance-FilterClass:*

SBDB-FilterClass-Report.json

SBDB-FilterClass-Report.html

For: *Test\_Acceptance\_SBDB\_BodyFilter*

SBDB-BodyClass-Report.json

SBDB-BodyClass-Report.html