ngEO Task 4

Web Client

Test Plan Document

document status sheet

| Version | Date | Pages | Changes |
| --- | --- | --- | --- |
| 0.1 | 23/10/2012 | 29 | First published version |
| 0.2 | 25/10/2012 | 114 | First DDR version |
| 0.3 | 29/10/2012 | 39 | Added all sprint 2 test cases  fixed headers’ style  and updated headers and footers |
| 0.4 | 19/11/2012 | 42 | NGEO-WEBC-VTP-0040: navigation between result pages is added (NGEOD-124)  NGEO-WEBC-VTP-0010: refer to IOM (NGEOD-121)  NGEO-WEBC-VTC-0060: add test procedure for each map mode (2D/3D). (NGEOD-126)  NGEO-WEBC-VTC-0060: add test for different map background NGEOD-127  NGEO-WEBC-VTC-0060: some refinments on the location  Software overwiew is added (NGEOD-158)  NGEO-WEBC-VTP-015 : add a test case procedure to check home page (NGEOD-129)  Add traceability matrixes (NGEOD-128) |
| 0.5 | 20/12/2012 | 53 | NGEO-WEBC-VTC-0010 : add a check for ngEO-SUB-105-WEBC-FUN  Add test cases for sprint 3  Add SRD to applicable documents (NGEOD-163)  Add regression tests section (NGEOD-171)  Clarify the use of the simulator (test server) for testing (NGEOD-122) |
| 0.6 | 18/01/2013 | 71 | First CDR version delivery  Add some test cases for sprint 4 |
| 1.0 | 08/02/2013 | 94 | Sprint 4 delivery  Add all test cases for sprint 4  Added section 7.4 to map interfaces to test cases  Added column Version in the requirements table for requirement version. Cf Section 7.1.  Add a unit test for dataset search |
| 1.1 | 06/03/2013 | 96 | NGEOC-125 : remove SRD from tables in 7.1, 7.2  NGEOC-126 : update table to deal with test cases in 7.1, 7.2  NGEOC-127 : fix title identifiers  NGEOC-131: add downloadmanagers in envrionement needs  [NGEOC-133](https://magelliumltd.atlassian.net/browse/NGEOC-133) : add the estimated download size in the PCF  NGEOC-136 ; complete PCF (130,131,140,140,141)  NGEOC-144: Fix front page formatting  [NGEOC-145](https://magelliumltd.atlassian.net/browse/NGEOC-145) : remove TBC for sprint 3 and 4 comments  NGEOC-146: add some description on stub server configuration and test data. |
| 1.2 | 20/03/2013 | 97 | NGEOC-129: Add number of results to the VTP  NGEOC-132: Specify which products to select  NGEOC-134: Specify number of days and check  NGEOC-138: specify download options  NGEOC-139: add the data in input specification  NGEOC-142: specify search options (VTP-200,215,220) |
| 1.3 | 02/04/2013 | 97 | NGEOC-135 : remove any reference from VTP-0126  NGEOC-140 : speficy location for gazetteer  NGEOC-127 : fix another identifier title  Other fixes after SSTR for FAT |
| 1.4 | 29/04/2013 | 110 | Updates for QR:  NGEO-WEBC-VTC-0030: added steps to test search area input validation  NGEO-WEBC-VTC-0040: updated to add new PFC  NGEO-WEBC-VTP-0040: added steps to validate sorting in results table.  NGEO-WEBC-VTP-0045: added test case  NGEO-WEBC-VTC-0050: added PFC.  NGEO-WEBC-VTC-0060: added PCFs.  WEBC\_FAT\_10: Updated NGEO-WEBC-VTP-0030 step 70.  WEBC\_FAT\_13 : Updated NGEO-WEBC-VTP-0245  WEBC\_FAT\_15: Updated NGEO-WEBC-VTP-0245  Added sections 6.5.1, 6.5.2 and 6.5.3 to add VRC and VIC with PFCs. |
| 1.5 | 02/09/2013 | 112 | - NGEO 785 : NGEO-WEBC-VTP-0060: Browse visualization  - NGEO-WEBC-VTP-0070: Filtered dataset selection : updated test data  - NGEO-WEBC-VTD-0080: Searching with a URL : updates search url dates  - NGEO-WEBC-VTP-0095: Map data layers : the browse layer is different from the footprint layer.  - added NGEO-WEBC-VTP-0177: Download options with crop product to search area to cover requirement NGEO-WEBC-PFC-1006.  - Added shopcart user stories:  NGEO-WEBC-VTP-0270: Shopcart Management  NGEO-WEBC-VTP-0280: Shopcart as Data service  -Updated section Stub server configuration with shopcart configuration on the server side.  - Updated all sub sections of Software Test plan Additional information with requirements, interfaces, test cases for shopcart support |
| 1.6 | 21/10/2013 | 112 | Added Dataset Authorization user story  Update after GUI modifications |
| 1.7 | 16/12/2013 | 113 | Add Interferometry user story  Add multiple dataset user story  ngEO-SUB-043-WEBC-DES : already done  Update after GUI modifications |
| 1.8 | 17/03/2014 |  | Add interferometry support VTP  Remove not needed VTC-0151  Add some PCF for performance  Add Gantt VTD  Improve Interferometry/Hosted Processing and Shopcart Management VTP |
| 1.9 | 06/03/2015 |  | NGEOD-732 : modify steps in VTP-0300 to show the “merge” advanved parameters  NGEOD-684 : update VTP-070 to add a step on population count  NGEOD-682 : add a phrase on the parameters and their type  NGEOD-661 : add some steps to 0110 for configurable max size  NGEOD-550 : add some steps to VTP-0315  NGEOD-712 : new steps and PCF-0114 for VTP-0110 to complete ngEO-SUB-169-WEBC-FUN requirement  [NGEOD-376](https://magelliumltd.atlassian.net/browse/NGEOD-376) : add a step to cover planned + non planned  [NGEOD-645](https://magelliumltd.atlassian.net/browse/NGEOD-645) : add an inspection test case |
| 1.10 | 05/06/2015 |  | NGEOD-676 : Key dates widget |

TABLE OF CONTENTS

1. Introduction 9

1.1 Purpose 9

1.2 Scope 9

2. Applicable and Reference Documents 10

2.1 Applicable Documents 10

2.2 Reference Documents 10

3. Terms, Definitions and Abbreviated Terms 11

3.1 Definitions 11

3.2 Acronyms 11

4. Software overview 12

5. Software Unit Testing and Software Integration Testing 13

5.1 General 13

5.1.1 Organization 13

5.1.2 Master Schedule 13

5.1.3 Resource Summary 13

5.1.4 Responsibilities 13

5.1.5 Tools, Techniques and Methods 13

5.1.6 Personnel and Personnel Training Requirements 13

5.1.7 Risks and Contingencies 13

5.2 Control Procedures for Software Unit Testing/Integration testing 14

5.3 Software Unit Testing and Integration testing Approach 15

5.3.1 Unit/Integration Testing Strategy 15

5.3.2 Tasks and Items under Test 15

5.3.3 Features to be Tested 15

5.3.4 Features not to be Tested 15

5.3.5 Test Pass – Fail Criteria 15

5.4 Software Unit Test / Integration Test Design 16

5.4.1 General 16

5.4.2 NGEO-WEBC-UTD-0010: Configuration 16

5.4.3 NGEO-WEBC-UTD-0020: Dataset population 17

5.4.4 NGEO-WEBC-UTD-0030: Dataset search information 17

5.4.5 NGEO-WEBC-UTD-0040: Search results selection 17

5.4.6 NGEO-WEBC-UTD-0050: Data Acess Request statuses 18

5.4.7 NGEO-WEBC-UTD-0060: Simple Data AcCess Request 18

5.4.8 NGEO-WEBC-UTD-0070: Standing Order Data Access Request 18

5.4.9 NGEO-WEBC-UTD-0080: Dataset search 18

5.5 Software Unit and Integration Test Case Specification 19

5.6 Software Unit and Integration Test Procedures Specification 22

6. Software Validation Specification 23

6.1 Software Validation Approach 23

6.1.1 Task and criteria 23

6.1.2 Features to be tested 23

6.1.3 Features not to be tested 23

6.1.4 Test pass – fail criteria 23

6.1.5 Items that cannot be validated by test 24

6.1.6 Regression Tests 24

6.2 Software Validation Testing Specification Design 25

6.2.1 General 25

6.2.2 NGEO-WEBC-VTD-0010: Installation of Web Client and home page check 25

6.2.3 NGEO-WEBC-VTD-0020: Dataset selection 25

6.2.4 NGEO-WEBC-VTD-0030: Simple search formulation 26

6.2.5 NGEO-WEBC-VTD-0040: Search results in a table 26

6.2.6 NGEO-WEBC-VTD-0050: Search results on the map 26

6.2.7 NGEO-WEBC-VTD-0060: Browse visualization 27

6.2.8 NGEO-WEBC-VTD-0070: Filtered dataset selection 27

6.2.9 NGEO-WEBC-VTD-0080: Searching with a URL 27

6.2.10 NGEO-WEBC-VTD-0090: Map layers management 27

6.2.11 NGEO-WEBC-VTD-0100: Map navigation and selection 28

6.2.12 NGEO-WEBC-VTD-0110: Simple Data Access Request 28

6.2.13 NGEO-WEBC-VTD-0120: Standing Order Data Access Request 28

6.2.14 NGEO-WEBC-VTD-0130: Download Managers Monitoring 29

6.2.15 NGEO-WEBC-VTD-0140: Data Access Requests Monitoring 29

6.2.16 NGEO-WEBC-VTD-0150: Direct Download 29

6.2.17 NGEO-WEBC-VTD-0160: Advanced Search Criteria 30

6.2.18 NGEO-WEBC-VTD-0170: Download options 30

6.2.19 NGEO-WEBC-VTD-0180: Help 31

6.2.20 NGEO-WEBC-VTD-0190: Import 31

6.2.21 NGEO-WEBC-VTD-0200: Search Shared URL 31

6.2.22 NGEO-WEBC-VTD-0210: Standing Order Shared URL 32

6.2.23 NGEO-WEBC-VTD-0220: Zone of interest definition 32

6.2.24 NGEO-WEBC-VTD-0230: Export 32

6.2.25 NGEO-WEBC-VTD-0240: Time Slider 33

6.2.26 NGEO-WEBC-VTD-0250: User Preferences 33

6.2.27 NGEO-WEBC-VTD-0260: Inquiries 33

6.2.28 NGEO-WEBC-VTD-0270: Shopcart Management 33

6.2.29 NGEO-WEBC-VTD-0280: Shopcart as Data Access Service 34

6.2.30 NGEO-WEBC-VTD-0290: Dataset Authorization 34

6.2.31 NGEO-WEBC-VTD-0300: Multiple Dataset Search 34

6.2.32 NGEO-WEBC-VTD-0310: Interferometry 35

6.2.33 NGEO-WEBC-VTD-0320: Hosted processing 35

6.2.34 NGEO-WEBC-VTD-0330: Gantt Chart 35

6.3 Software Validation Test Case Specification 36

6.3.1 General 36

6.3.2 NGEO-WEBC-VTC-0010: Installation of Web Client and home page check 36

6.3.3 NGEO-WEBC-VTC-0020: Dataset selection 36

6.3.4 NGEO-WEBC-VTC-0030: Simple Search formulation 37

6.3.5 NGEO-WEBC-VTC-0040: Search results in a table 37

6.3.6 NGEO-WEBC-VTC-0050: Search Results on the map 38

6.3.7 NGEO-WEBC-VTC-0060: Browse visualization 38

6.3.8 NGEO-WEBC-VTC-0070: Filtered dataset selection 40

6.3.9 NGEO-WEBC-VTC-0080: Searching with a URL 40

6.3.10 NGEO-WEBC-VTC-0090: Map background 41

6.3.11 NGEO-WEBC-VTC-0095: Map data layers 41

6.3.12 NGEO-WEBC-VTC-0100: Map navigation and selection 41

6.3.13 NGEO-WEBC-VTC-0110: Simple data access request 42

6.3.14 NGEO-WEBC-VTC-0120: Standing Order data access request 43

6.3.15 NGEO-WEBC-VTC-0130: Download Managers Monitoring 43

6.3.16 NGEO-WEBC-VTC-0131: Download Managers Monitoring: No Download Manager Registered 44

6.3.17 NGEO-WEBC-VTC-0140: Data Access Requests Monitoring 44

6.3.18 NGEO-WEBC-VTC-0150: Direct Download 45

6.3.19 NGEO-WEBC-VTC-0160: Advanced Search Criteria 45

6.3.20 NGEO-WEBC-VTC-0165: Advanced Search Criteria updated with dataset changes 46

6.3.21 NGEO-WEBC-VTC-0170: Download Options 46

6.3.22 NGEO-WEBC-VTC-0173: Download Options Update from the results table 46

6.3.23 NGEO-WEBC-VTC-0175: Download Options update with the selected Dataset 47

6.3.24 NGEO-WEBC-VTC-0180: Help 47

6.3.25 NGEO-WEBC-VTC-0190: Import 48

6.3.26 NGEO-WEBC-VTC-0200: Search Shared URL 48

6.3.27 NGEO-WEBC-VTC-0210: Data-driven Standing Odrer Shared URL 49

6.3.28 NGEO-WEBC-VTC-0215: Time-driven Standing Odrer Shared URL 49

6.3.29 NGEO-WEBC-VTC-0220: Zone of interest: draw 50

6.3.30 NGEO-WEBC-VTC-0224: Zone of interest: gazetteer 50

6.3.31 NGEO-WEBC-VTC-0228: Zone of interest: Manual polygon 50

6.3.32 NGEO-WEBC-VTC-0230: Export 51

6.3.33 NGEO-WEBC-VTC-0240: Time Slider Display 51

6.3.34 NGEO-WEBC-VTC-0243: Time Slider Depends on Dataset stop date 52

6.3.35 NGEO-WEBC-VTC-0245: Search with Time Slider 52

6.3.36 NGEO-WEBC-VTC-0250: User Preferences 53

6.3.37 NGEO-WEBC-VTC-0260: Inquiries 53

6.3.38 NGEO-WEBC-VTC-0270: Shopcart Management 53

6.3.39 NGEO-WEBC-VTC-0280: Shopcart as Data Access Service 54

6.3.40 NGEO-WEBC-VTC-0290: Dataset Authorization 54

6.3.41 NGEO-WEBC-VTC-0300: Multiple dataset search 55

6.3.42 NGEO-WEBC-VTC-0310: Interferometry 55

6.3.43 NGEO-WEBC-VTC-0315: Interferometry support 56

6.3.44 NGEO-WEBC-VTC-0320: Hosted Processing 56

6.3.45 NGEO-WEBC-VTC-0330: Gantt chart 57

6.4 Software Validation Test Procedures 57

6.4.1 General 57

6.4.2 NGEO-WEBC-VTP-0010: Installation of Web Client 57

6.4.3 NGEO-WEBC-VTP-0015: Home page check 58

6.4.4 NGEO-WEBC-VTP-0020: Dataset selection 58

6.4.5 NGEO-WEBC-VTP-0030: Simple Search Formulation 59

6.4.6 NGEO-WEBC-VTP-0040: Search results in a table 60

6.4.7 NGEO-WEBC-VTP-0045: Search results Table Columns are Configurable 61

6.4.8 NGEO-WEBC-VTP-0050: Search results On the map 62

6.4.9 NGEO-WEBC-VTP-0060: Browse visualization 63

6.4.10 NGEO-WEBC-VTP-0070: Filtered dataset selection 64

6.4.11 NGEO-WEBC-VTP-0080: Searching with a url 64

6.4.12 NGEO-WEBC-VTP-0090: Map background 65

6.4.13 NGEO-WEBC-VTP-0095: Map data layers 66

6.4.14 NGEO-WEBC-VTP-0100: Map navigation and selection 66

6.4.15 NGEO-WEBC-VTP-0110: Simple Data Access Request 67

6.4.16 NGEO-WEBC-VTP-0115: Simple Data Access Request: No Download Manager Registred 69

6.4.17 NGEO-WEBC-VTP-0120: Standing Order Data Access Request: Data Driven Request 70

6.4.18 NGEO-WEBC-VTP-0125: Standing Order Data Access Request: Time Driven Request 71

6.4.19 NGEO-WEBC-VTP-0130: Download Managers Monitoring 72

6.4.20 NGEO-WEBC-VTP-0131: Download Managers Monitoring When No Download Manager Registered 73

6.4.21 NGEO-WEBC-VTP-0140: Data Access Requests Monitoring 74

6.4.22 NGEO-WEBC-VTP-0150: Direct Download 76

6.4.23 NGEO-WEBC-VTP-0160: Advanced Search Criteria 77

6.4.24 NGEO-WEBC-VTP-0165: Advanced Search Criteria updated with dataset changes 78

6.4.25 NGEO-WEBC-VTP-0170: Download options 78

6.4.26 NGEO-WEBC-VTP-0173: Download options update from results table 79

6.4.27 NGEO-WEBC-VTP-0175: Download options update with the selected dataset 80

6.4.28 NGEO-WEBC-VTP-0177: Download options with crop product to search area 81

6.4.29 NGEO-WEBC-VTP-0180: Help 81

6.4.30 NGEO-WEBC-VTP-0190: Import 82

6.4.31 NGEO-WEBC-VTP-0200: Search Shared URL 83

6.4.32 NGEO-WEBC-VTP-0210: Data-driven Standing Order Shared URL 84

6.4.33 NGEO-WEBC-VTP-0215: Time-driven Standing Order Shared URL 85

6.4.34 NGEO-WEBC-VTP-0220: Zone of interest: draw 85

6.4.35 NGEO-WEBC-VTP-0224: Zone of interest: gazetteer 86

6.4.36 NGEO-WEBC-VTP-0228: Zone of interest: Manual polygon 87

6.4.37 NGEO-WEBC-VTP-0230: Export 87

6.4.38 NGEO-WEBC-VTP-0240: Time Slider Display 88

6.4.39 NGEO-WEBC-VTP-0243: Time Slider Depends on the selected dataset 88

6.4.40 NGEO-WEBC-VTP-0245: Search with Time Slider 89

6.4.41 NGEO-WEBC-VTP-0250: User Preferences 90

6.4.42 NGEO-WEBC-VTP-0260: Inquiries 92

6.4.43 NGEO-WEBC-VTP-0270: Shopcart Management 92

6.4.44 NGEO-WEBC-VTP-0280: Shopcart as Data service 94

6.4.45 NGEO-WEBC-VTP-0290: Dataset Authorization 95

6.4.46 NGEO-WEBC-VTP-0300: Multiple Dataset search 96

6.4.47 NGEO-WEBC-VTP-0310: Interferometry 97

6.4.48 NGEO-WEBC-VTP-0315: Interferometry support 98

6.4.49 NGEO-WEBC-VTP-0320: Hosted processing 99

6.4.50 NGEO-WEBC-VTP-0330: Gantt chart 100

6.5 Software Validation Analysis, Inspection, Review of Design 101

6.5.1 Review Test Case 101

6.5.2 Inspection Test Case 102

6.5.3 Comments 103

6.6 Validation Test Platform Requirements 104

6.6.1 Hardware and os configuration 104

6.6.2 Stub server configuration 104

6.6.3 Download managers registration 106

7. Software Test plan Additional information 107

7.1 Requirements to Test/Analysis/Inspection/Review 107

7.2 Test cases to requirements 111

7.3 Test cases to procedures 113

7.4 Interfaces to Test Cases 114

list of tables and figures

Table 2‑1 Applicable Documents 9

Table 2‑2 Reference Documents 9

Table 3‑1 Definitions 10

Table 3‑2 Acronyms 10

Figure 1 Unit test results 15

# Introduction

This document has been created taking as a base the corresponding DRD (Document Requirements Definition) in [AD.1].

## Purpose

This document defines the Test Plan for the ngEO Web Client sub-system.

This document provides the definition of the Test Design, Test Cases, and Test Procedures identified for verifying and validating the ngEO Web Client sub-system against the Software Requirements Specifications as defined in [AD.2].

This document will be updated during the ngEO project.

## Scope

This document covers only the requirements found in the Software Requirements Specifications as defined in [AD.2].

# Applicable and Reference Documents

## Applicable Documents

The following documents, of the exact issue shown, form part of this document to the extent specified herein. Applicable documents are those referenced in the Contract or approved by the Approval Authority. They are referenced in this document in the form [AD.X]:

Table 2‑1 Applicable Documents

| Ref. | Title | Code | Version | Date |
| --- | --- | --- | --- | --- |
|  | Space Engineering – Software | ECSS-E-ST-40 | C | 6 March 2009 |
|  | SUBSYSTEM REQUIREMENT DOCUMENT FOR NGEO WEB USER CLIENT | ngEO-14-SRD-ELC-005 | 1.2 | 23 March 2012 |
|  | Installation Operation and Maintenance Manual | ngEO-WEBC-IOM | 0.1 | 15 October 2012 |
|  | INTERNAL INTERFACE CONTROL DOCUMENT WEB CLIENT – WEB SERVER | ngEO-14-ICD-ELC-075 | 1.2 | 29 March 2012 |
|  | NGEO SYSTEM REQUIREMENT DOCUMENT | ngEO-13-SRD-MFR-004 | 1.6 | 21 August 2012 |

## Reference Documents

The following documents, although not part of this document, amplify or clarify its contents. Reference documents are those not applicable and referenced within this document. They are referenced in this document in the form [RD.X]:

Table 2‑2 Reference Documents

| Ref. | Title | Code | Version | Date |
| --- | --- | --- | --- | --- |
|  | ngEO Detailed Design Document | ngEO-WEBC-DDS | 0.2 | 25 October 2012 |

# Terms, Definitions and Abbreviated Terms

## Definitions

Concepts and terms used in this document and needing a definition are included in the following table:

Table 3‑1 Definitions

| Concept / Term | Definition |
| --- | --- |
|  |  |

## Acronyms

Acronyms used in this document and needing a definition are included in the following table:

Table 3‑2 Acronyms

| Acronym | Definition |
| --- | --- |
| AMD | Asynchronous Module Definition |
| CSS | Cascading Style Sheet |
| DOM | Document Object Model |
| JSON | Javascript Object Notation |
| HTML | Hyper Text Markup Langague |
| MVC | Model View Controller |
| OGC | Open Geospatial Consortium |
| REST | Representational State Transfer |
| RPM | RPM Package Manager |
| WMTS | Web Mapping Tile Service |

# Software overview

The Web Client is the user interface of the ngEO system and is also the main visible part of the whole system. The main target of the design is to provide an easy to use interface and also highly responsive in order to receive positive feedback from the end user on the entire system. It is also important that the interface is based on modern design and easily configurable to ensure it will not be obsolete too early during the long operational life of ngEO (20 years).

The Web Client allows a user to:

* Search products in available Datasets :
  + Discover and select Datasets directly or through filters (mission/sensor/keywords)
  + Search products in a selected Dataset using various criteria (spatial, temporal, specific)
  + Advanced search : correlation and interferometry
* Explore search results :
  + List them in a tabular view
  + Display them in a GANTT chart
  + Display their footprints in a map
  + Display their browse images in a map
* Download products :
  + Direct download through native browser functionality
  + Retrieve products via ngEO Download Manager through a data access request
  + Configure optional processing options for products retrieved through download manager
  + Configure “Standing Orders” : schedule download of products through specific criteria
  + Monitor download manager and data access request
* Manage shop carts :
  + Store a list of products from a search results in a shopcart for later reuse
  + Share shopcart with other users
* Access to various user related features :
  + Access to account management page on the UM-SSO Idp
  + Access to the ticketing system
  + Access to information page (About Us)
* Manage customizable Web client configuration

See ngEO Web Client DDS ([RD.1]) for a more complete description of the software.

# Software Unit Testing and Software Integration Testing

## General

### Organization

The software unit testing and software integration testing is based on SCRUM methodology. The developer is responsible to demonstrate a User story once completed. The Project Manager is responsible to ensure that the User story is correctly working.

### Master Schedule

The software integration testing is done at completion of each User Story through a demonstration.

The software integration testing is validated at the end of each sprint through a demonstration of all user stories to the system integrator.

### Resource Summary

Final testing at end of each sprint is done on pre-integration platform.

No specific hardware and software are needed, except those listed in the IOM [AD.3].

No specific staff is needed except those listed in responsibilities.

### Responsibilities

Developer is responsible to demonstrate the User Story once completed at the Project Manager.

Project Manager is responsible to demonstrate User Stories at the end of each sprint to integrator.

### Tools, Techniques and Methods

Software unit testing is done using Qunit: a JavaScript Unit Testing framework using by various OpenSource projects (jQuery family).

Software integration testing is done through demonstration.

### Personnel and Personnel Training Requirements

None.

### Risks and Contingencies

None.

## Control Procedures for Software Unit Testing/Integration testing

A lightweight process is used for software unit testing/integration testing because the team responsible of Web Client development is integrated at the same location:

* Integration testing: Integration testing is done by developer during development of a User Story. Any problems are reported to project manager, and actions are taken immediately to resolve it: analysis of existing components and possible refactor.
* Unit testing: Unit tests are checked at the completion of each User Story. Any unit tests failures are reported to project manager, and correction is immediately taken. If correction is too complex, the failure and its explanation are reported in an internal issues file.

## Software Unit Testing and Integration testing Approach

### Unit/Integration Testing Strategy

The sub-system is developed by the same team and components are closely tied together so integration problems are directly discovered and solved during development process without formal strategy.

Unit testing is done by the developer. Unit test is code done in Javascript that verify the behaviour of a component.

### Tasks and Items under Test

The task includes the execution of unit tests and a check of the result.

The execution of unit tests is automatic and consists in launching a web page that contains all unit tests.

### Features to be Tested

Core feature of components are tested.

### Features not to be Tested

Complex user interaction cannot be tested by unit tests.

### Test Pass – Fail Criteria

Pass-fail results are automatically given by the unit testing framework Qunit. See examples below.



Figure 1: Unit test results

## Software Unit Test / Integration Test Design

### General

This section provides the Unit Test Designs aimed to test the ngEO Web Client sub-system. For the identification of the Test Designs the following naming convention shall apply:

* NGEO-WEBC-UTD\_<UTD\_nnnn>:<Title>
  + <UTD\_nnnn>: 4 digits number (generally having a stepping interval of 10)
  + <Title> Title of the Test Design

### NGEO-WEBC-UTD-0010: Configuration

|  |  |  |  |
| --- | --- | --- | --- |
| ***NGEO UNIT TEST DESIGN*** | | | |
| **Test Identifier** | *NGEO-WEBC-UTD-0010* | **Test Title** | *Installation of Web Client* |
| Description and Objective | | | |
| *The design of this test deals with the verification of the configuration data used by the WebClient.* | | | |
| **Features to be tested** | | | |
| This test shall verify:   * Configuration data is accessible * Configuration data contains excepted values | | | |
| **Approach refinements** | | | |
| The aim of this test is to check configuration data is valid. | | | |
| **Test Case Identifiers** | | | |
|  | | | |

### NGEO-WEBC-UTD-0020: Dataset population

|  |  |  |  |
| --- | --- | --- | --- |
| ***NGEO UNIT TEST DESIGN*** | | | |
| **Test Identifier** | *NGEO-WEBC-UTD-0020* | **Test Title** | *Dataset population* |
| Description and Objective | | | |
| *The design of this test deals with the verification of received datasets, and the filtering of the dataset population* | | | |
| **Features to be tested** | | | |
| This test shall verify:   * Received datasets is working * Filtering of datasets is working | | | |
| **Approach refinements** | | | |
| The aim of this test is to check that the WebClient can manipulate the dataset population. | | | |
| **Test Case Identifiers** | | | |
|  | | | |

### NGEO-WEBC-UTD-0030: Dataset search information

|  |  |  |  |
| --- | --- | --- | --- |
| ***NGEO UNIT TEST DESIGN*** | | | |
| **Test Identifier** | *NGEO-WEBC-UTD-0030* | **Test Title** | *Dataset search information* |
| Description and Objective | | | |
| *The design of this test deals with the verification of received dataset search information.* | | | |
| **Features to be tested** | | | |
| This test shall verify:   * Dataset search information is ccessu * Information contains valid download options * Information contains valid advanced search criteria | | | |
| **Approach refinements** | | | |
| The aim of this test is to check that the WebClient can manipulate the dataset search information. | | | |
| **Test Case Identifiers** | | | |
|  | | | |

### NGEO-WEBC-UTD-0040: Search results selection

|  |  |  |  |
| --- | --- | --- | --- |
| ***NGEO UNIT TEST DESIGN*** | | | |
| **Test Identifier** | *NGEO-WEBC-UTD-0040* | **Test Title** | *Search results selection* |
| Description and Objective | | | |
| *The design of this test deals with the verification of search results selection management* | | | |
| **Features to be tested** | | | |
| This test shall verify:   * Search results can be selected/deselected * Components can listen to selection/deselection | | | |
| **Approach refinements** | | | |
| The aim of this test is to check that the WebClient can manipulate the selection of search results. | | | |
| **Test Case Identifiers** | | | |
|  | | | |

### NGEO-WEBC-UTD-0050: Data Acess Request statuses

|  |  |  |  |
| --- | --- | --- | --- |
| ***NGEO UNIT TEST DESIGN*** | | | |
| **Test Identifier** | *NGEO-WEBC-UTD-0050* | **Test Title** | *Data Acess Request statuses* |
| Description and Objective | | | |
| *The design of this test deals with the verification of data access request statuses* | | | |
| **Features to be tested** | | | |
| This test shall verify:   * Data Access Request statuses are valid | | | |
| **Approach refinements** | | | |
| The aim of this test is to check that the WebClient can manipulate data access request statuses. | | | |
| **Test Case Identifiers** | | | |
|  | | | |

### NGEO-WEBC-UTD-0060: Simple Data AcCess Request

|  |  |  |  |
| --- | --- | --- | --- |
| ***NGEO UNIT TEST DESIGN*** | | | |
| **Test Identifier** | *NGEO-WEBC-UTD-0060* | **Test Title** | *Simple Data Access Request* |
| Description and Objective | | | |
| *The design of this test deals with the management of simple data access request.* | | | |
| **Features to be tested** | | | |
| This test shall verify:   * Simple Data Access Request can be created and send to the server | | | |
| **Approach refinements** | | | |
| The aim of this test is to check that the WebClient can manage simple data access request. | | | |
| **Test Case Identifiers** | | | |
|  | | | |

### NGEO-WEBC-UTD-0070: Standing Order Data Access Request

|  |  |  |  |
| --- | --- | --- | --- |
| ***NGEO UNIT TEST DESIGN*** | | | |
| **Test Identifier** | *NGEO-WEBC-UTD-0070* | **Test Title** | *Standing Order Data Access Request* |
| Description and Objective | | | |
| *The design of this test deals with the management of standing order data access request.* | | | |
| **Features to be tested** | | | |
| This test shall verify:   * Standing Order Data Access Request can be created and send to the server. | | | |
| **Approach refinements** | | | |
| The aim of this test is to check that the WebClient can manage standing order data access request. | | | |
| **Test Case Identifiers** | | | |
|  | | | |

### NGEO-WEBC-UTD-0080: Dataset search

|  |  |  |  |
| --- | --- | --- | --- |
| ***NGEO UNIT TEST DESIGN*** | | | |
| **Test Identifier** | *NGEO-WEBC-UTD-0070* | **Test Title** | *Standing Order Data Acess Request* |
| Description and Objective | | | |
| *The design of this test deals with the management of standing order data access request.* | | | |
| **Features to be tested** | | | |
| This test shall verify:   * A dataset search can be build from an existing OpenSearchURL * A dataset search supports box and polygon | | | |
| **Approach refinements** | | | |
| The aim of this test is to check that the WebClient can manage importing dataset search in URL form. | | | |
| **Test Case Identifiers** | | | |
|  | | | |

## Software Unit and Integration Test Case Specification

For each unit test design, a JavaScript module is developed and integrated into the Qunit testing framework.

All test cases share the same definition:

* Inputs specification: A web server (test or the sub-system) needs to be accessible.
* Outputs specification : see Figure 1: Unit test results for resulting outputs
* Test Pass – Fail Criteria: see Figure 1: Unit test results, test pass are highlighted in green, test fail in red.
* Environmental needs: The Web Client source code needs to be used, not the packaged version.

The following figures shows the unit tests details for each unit test design:















## Software Unit and Integration Test Procedures Specification

The unit tests are automatically launched by the Qunit testing framework.

The only procedure, common to all test cases, is to access the page at location: <http://localhost:3000/client-dev/tests/tests.html>.

# Software Validation Specification

## Software Validation Approach

This section presents the approach to be used for validating the ngEO Web Client sub-system.

### Task and criteria

The task includes the execution of test procedures, analyzes of test results and writing of test reports (including reporting of possible problems).

### Features to be tested

This document is in charge of verifying all requirements listed in the Software Requirements Specification [AD.2].

### Features not to be tested

All requirements and features not reported in Software Requirements Specification [AD.2] are out of the scope of this document.

### Test pass – fail criteria

The pass – fail criterion depends on the validation method applied to each item.

The validation methods used are:

D Demonstration: This verification method may be used when actual conduct can verify achievement of requirements such as service and access, and when the requirements have been implemented.

T Test: A requirement may be verified by test alone if the form of the specification is such that the requirement can be directly measured.

A Analyze: This verification method implies the use of analytical techniques (such as system engineering analyzes, statistics, mathematical modeling, and simulations) and shall be used to verify such requirements. This includes requirements which are not implemented in the demonstrator.

I Inspection: Verification by inspection is only done when testing is insufficient or inappropriate. This method of verification is for those requirements that are normally performed by some form of visual inspection.

A “Requirements vs. Test cases” traceability matrix is provided in section 11.1 and a “Test cases vs. Requirements traceability matrix” is provided in section 11.2. The expected result of each test is given in the test procedure description, for any step.

A test shall be considered as “passed” if the received result is equivalent with the expected result.

A test shall be considered as “failed” if the received result is not equivalent with the expected result.

### Items that cannot be validated by test

There are a number of requirements that cannot be verified by test or demonstration, but manual inspection is needed for verifying their achievement, e.g.:

* Design and implementation requirements specifying the re-use of software;
* Verifying that the developed software is provided as OSS and that the code has been provided to an agreed repository;
* The development process carried out according to ECSS standards;
* Etc...

### Regression Tests

Regression testing is covered by unit and functional tests.

Unit tests are presented in paragraph 5.

Functional tests consist in running all software validation procedures manually before each release, not just procedures for new features.

## Software Validation Testing Specification Design

### General

This section provides the Test Designs aimed to validate the ngEO Web Client sub-system. For the identification of the Test Designs the following naming convention shall apply:

* NGEO-WEBC-VTD\_<VTD\_nnnn>:<Title>
  + <VTD\_nnnn>: 4 digits number (generally having a stepping interval of 10)
  + <Title> Title of the Test Design

### NGEO-WEBC-VTD-0010: Installation of Web Client and home page check

|  |  |  |  |
| --- | --- | --- | --- |
| ***NGEO VALIDATION TEST DESIGN*** | | | |
| **Test Identifier** | *NGEO-WEBC-VTD-0010* | **Test Title** | *Installation of Web Client and home page check* |
| Description and Objective | | | |
| *The design of this test deals with the installation on the system, the configuration and then start-up.* | | | |
| **Features to be tested** | | | |
| This test shall verify:   * the setup, installation and configuration instructions provided as part of the   Installation, Operation and Maintenance Manual ([AD.3])   * access to the home page, and check that different services are available | | | |
| **Approach refinements** | | | |
| The aim of this test is to:   * install and setup the system to be tested through the next test designs * check the home page | | | |
| **Test Case Identifiers** | | | |
| NGEO-WEBC-VTC-0010 | | | |

### NGEO-WEBC-VTD-0020: Dataset selection

|  |  |  |  |
| --- | --- | --- | --- |
| ***NGEO VALIDATION TEST DESIGN*** | | | |
| **Test Identifier** | *NGEO-WEBC-VTD-0020* | **Test Title** | *Dataset Selection* |
| Description and Objective | | | |
| *The design of this test deals with the visualization of datasets, the selection one of them in order to make a search.* | | | |
| **Features to be tested** | | | |
| This test shall verify:   * The user can visualize the list of available datasets, select one of the datasets and then move to the search criteria page. | | | |
| **Approach refinements** | | | |
| The aim of this test is to:   * Visualize the available datasets, select one of them and move to the search criteria page. | | | |
| **Test Case Identifiers** | | | |
| NGEO-WEBC-VTC-0020 | | | |

### NGEO-WEBC-VTD-0030: Simple search formulation

|  |  |  |  |
| --- | --- | --- | --- |
| ***NGEO VALIDATION TEST DESIGN*** | | | |
| **Test Identifier** | *NGEO-WEBC-VTD-0030* | **Test Title** | *Simple Search Formulation* |
| Description and Objective | | | |
| *The design of this test deals with the formulation of a simple search* | | | |
| **Features to be tested** | | | |
| This test shall verify that:   * The user can formulate a simple search on a dataset. | | | |
| **Approach refinements** | | | |
| The aim of this test is to:   * Formulate a simple search on a dataset using selected start and end dates from a calendar and the current location from the map. | | | |
| **Test Case Identifiers** | | | |
| NGEO-WEBC-VTC-0030 | | | |

### NGEO-WEBC-VTD-0040: Search results in a table

|  |  |  |  |
| --- | --- | --- | --- |
| ***NGEO VALIDATION TEST DESIGN*** | | | |
| **Test Identifier** | *NGEO-WEBC-VTD-0040* | **Test Title** | *Search Results in a table* |
| Description and Objective | | | |
| *The design of this test deals with the displaying of search results in a table.* | | | |
| **Features to be tested** | | | |
| This test shall verify that:   * The search results received are displayed in a table. | | | |
| **Approach refinements** | | | |
| The aim of this test is to:   * Make sure that the search results are displayed in a table. | | | |
| **Test Case Identifiers** | | | |
| NGEO-WEBC-VTC-0040 | | | |

### NGEO-WEBC-VTD-0050: Search results on the map

|  |  |  |  |
| --- | --- | --- | --- |
| ***NGEO VALIDATION TEST DESIGN*** | | | |
| **Test Identifier** | *NGEO-WEBC-VTD-0050* | **Test Title** | *Search Results on the map* |
| Description and Objective | | | |
| *The design of this test deals with the displaying of search results on the map.* | | | |
| **Features to be tested** | | | |
| This test shall verify that:   * The search results received are displayed on the map. | | | |
| **Approach refinements** | | | |
| The aim of this test is to:   * Make sure that the search results are displayed also on the map. | | | |
| **Test Case Identifiers** | | | |
| NGEO-WEBC-VTC-0050 | | | |

### NGEO-WEBC-VTD-0060: Browse visualization

|  |  |  |  |
| --- | --- | --- | --- |
| ***NGEO VALIDATION TEST DESIGN*** | | | |
| **Test Identifier** | *NGEO-WEBC-VTD-0060* | **Test Title** | *Browse Visualization* |
| Description and Objective | | | |
| *The design of this test deals with browse visualization of a selected result item.* | | | |
| **Features to be tested** | | | |
| This test shall verify that:   * The browse layer is displayed for a selected result item. | | | |
| **Approach refinements** | | | |
| The aim of this test is to:   * Make sure that for a selected result item, the browse layer is displayed on the map. | | | |
| **Test Case Identifiers** | | | |
| NGEO-WEBC-VTC-0060 | | | |

### NGEO-WEBC-VTD-0070: Filtered dataset selection

|  |  |  |  |
| --- | --- | --- | --- |
| ***NGEO VALIDATION TEST DESIGN*** | | | |
| **Test Identifier** | *NGEO-WEBC-VTD-0070* | **Test Title** | *Filtered Dataset Selection* |
| Description and Objective | | | |
| *The design of this test deals with selecting datasets using* *missions, sensors and keywords filters.* | | | |
| **Features to be tested** | | | |
| This test shall verify that:   * The user is able to select datasets using filters. | | | |
| **Approach refinements** | | | |
| The aim of this test is to:   * Select datasets using missions, sensors and keywords filters. | | | |
| **Test Case Identifiers** | | | |
| NGEO-WEBC-VTC-0070 | | | |

### NGEO-WEBC-VTD-0080: Searching with a URL

|  |  |  |  |
| --- | --- | --- | --- |
| ***NGEO VALIDATION TEST DESIGN*** | | | |
| **Test Identifier** | *NGEO-WEBC-VTD-0080* | **Test Title** | *Searching with url* |
| Description and Objective | | | |
| *The design of this test deals with making a catalogue search using a generated url.* | | | |
| **Features to be tested** | | | |
| This test shall verify that:   * The user is able to perform a catalogue search using a url generated by the web client. | | | |
| **Approach refinements** | | | |
| The aim of this test is to:   * Perform a catalogue search using a url generated by the web client. | | | |
| **Test Case Identifiers** | | | |
| NGEO-WEBC-VTC-0080 | | | |

### NGEO-WEBC-VTD-0090: Map layers management

|  |  |  |  |
| --- | --- | --- | --- |
| ***NGEO VALIDATION TEST DESIGN*** | | | |
| **Test Identifier** | *NGEO-WEBC-VTD-0090* | **Test Title** | *Map layers management* |
| Description and Objective | | | |
| *The design of this test deals with managing background layers and displaying data coming from different services.* | | | |
| **Features to be tested** | | | |
| This test shall verify that:   * The user is able to change the background of the map. * The user is able to show/hide layers containing data from WMS/WFS/GeoRSS services | | | |
| **Approach refinements** | | | |
| The test is decomposed in two test cases : one for background, and the other for other layers (WMS/WFS/GeoRSS) | | | |
| **Test Case Identifiers** | | | |
| NGEO-WEBC-VTC-0090  NGEO-WEBC-VTC-0095 | | | |

### NGEO-WEBC-VTD-0100: Map navigation and selection

|  |  |  |  |
| --- | --- | --- | --- |
| ***NGEO VALIDATION TEST DESIGN*** | | | |
| **Test Identifier** | *NGEO-WEBC-VTD-0100* | **Test Title** | *Map navigation and selection* |
| Description and Objective | | | |
| *The design of this test deals with the navigation and selection of products in the map.* | | | |
| **Features to be tested** | | | |
| This test shall verify that:   * The user is able to navigate in the map. * The user is able to select product in the map | | | |
| **Approach refinements** | | | |
| The test is composed of one test case, the two features being quite close. | | | |
| **Test Case Identifiers** | | | |
| NGEO-WEBC-VTC-0100 | | | |

### NGEO-WEBC-VTD-0110: Simple Data Access Request

|  |  |  |  |
| --- | --- | --- | --- |
| ***NGEO VALIDATION TEST DESIGN*** | | | |
| **Test Identifier** | *NGEO-WEBC-VTD-0110* | **Test Title** | *Simple Data Access Request* |
| Description and Objective | | | |
| *The design of this test deals with the creation of a simple data access request from search results table.* | | | |
| **Features to be tested** | | | |
| This test shall insure that:   * The user is able to create a simple data access request. * The user is able to assign a download manager to simple data access request. | | | |
| **Approach refinements** | | | |
| The test is composed of one test case, the two features being quite close. | | | |
| **Test Case Identifiers** | | | |
| NGEO-WEBC-VTC-0110 | | | |

### NGEO-WEBC-VTD-0120: Standing Order Data Access Request

|  |  |  |  |
| --- | --- | --- | --- |
| ***NGEO VALIDATION TEST DESIGN*** | | | |
| **Test Identifier** | *NGEO-WEBC-VTD-0120* | **Test Title** | *Standing Order Data Access Request* |
| Description and Objective | | | |
| *The design of this test deals with the creation of a standing order data access request from search criteria panel.* | | | |
| **Features to be tested** | | | |
| This test shall insure that:   * The user is able to create a standing order data access request. * The user is able to assign a download manager to standing order data access request. | | | |
| **Approach refinements** | | | |
|  | | | |
| **Test Case Identifiers** | | | |
| NGEO-WEBC-VTC-0120 | | | |

### NGEO-WEBC-VTD-0130: Download Managers Monitoring

|  |  |  |  |
| --- | --- | --- | --- |
| ***NGEO VALIDATION TEST DESIGN*** | | | |
| **Test Identifier** | *NGEO-WEBC-VTD-0130* | **Test Title** | *Download Managers Monitoring* |
| Description and Objective | | | |
| *The design of this test deals with the visualization and monitoring of download managers* | | | |
| **Features to be tested** | | | |
| This test shall insure that:   * The user is able to visualize the available registered download managers and their statuses. * The user is able to enable and/or disable a download manager. * When no download manager has already been registered, a notification is send to the user and allows him to install a new one. | | | |
| **Approach refinements** | | | |
| The test is composed of two test cases :   * A test case for the two first goals since the two features are closely related. * A test case when no download manager has been registered. | | | |
| **Test Case Identifiers** | | | |
| NGEO-WEBC-VTC-0130  NGEO-WEBC-VTC-0131 | | | |

### NGEO-WEBC-VTD-0140: Data Access Requests Monitoring

|  |  |  |  |
| --- | --- | --- | --- |
| ***NGEO VALIDATION TEST DESIGN*** | | | |
| **Test Identifier** | *NGEO-WEBC-VTD-0140* | **Test Title** | *Data Access Requests Monitoring* |
| Description and Objective | | | |
| *The design of this test deals with the visualization and monitoring of data access requests.* | | | |
| **Features to be tested** | | | |
| This test shall insure that:   * the submitted data access requests can be monitored. | | | |
| **Approach refinements** | | | |
| The user shall be able to:   * visualize the available submitted data access requests and their statuses. * pause/resume or stop a data access request. | | | |
| **Test Case Identifiers** | | | |
| NGEO-WEBC-VTC-0140 | | | |

### NGEO-WEBC-VTD-0150: Direct Download

|  |  |  |  |
| --- | --- | --- | --- |
| ***NGEO VALIDATION TEST DESIGN*** | | | |
| **Test Identifier** | *NGEO-WEBC-VTD-0150* | **Test Title** | *Direct Download* |
| Description and Objective | | | |
| *The design of this test deals with the possibility to control a product direct download.* | | | |
| **Features to be tested** | | | |
| This test shall insure that:   * Direct downloads can be controlled either via a browser or a download manager. * When no download manager has been installed only the browse download possibility is offered. | | | |
| **Approach refinements** | | | |
| The aim of the test is to insure that the user ccess to identify the products directly downloadable and choose the download of a product either with the browser or with a registered download manager if there is already one installed. | | | |
| **Test Case Identifiers** | | | |
| NGEO-WEBC-VTC-0150 | | | |

### NGEO-WEBC-VTD-0160: Advanced Search Criteria

|  |  |  |  |
| --- | --- | --- | --- |
| ***NGEO VALIDATION TEST DESIGN*** | | | |
| **Test Identifier** | *NGEO-WEBC-VTD-0160* | **Test Title** | *Advanced Search Criteria* |
| Description and Objective | | | |
| *The design of this test deals with :*  *the display and values update of search criteria for the current selected dataset.*  *The search criteria inclusion in the open search request* | | | |
| **Features to be tested** | | | |
| This test shall insure that:   * Search criteria of a dataset can be displayed and their selected values updated. * Dataset search criteria are included in the open Search url. | | | |
| **Approach refinements** | | | |
| The aim of the test is to insure that the user ccess to visualize and change the search criteria values of the selected dataset. | | | |
| **Test Case Identifiers** | | | |
| NGEO-WEBC-VTC-0160 : covers the above mentionned goals  NGEO-WEBC-VTC-0165: checks the goals are consistent when the selected dataset changes | | | |

### NGEO-WEBC-VTD-0170: Download options

|  |  |  |  |
| --- | --- | --- | --- |
| ***NGEO VALIDATION TEST DESIGN*** | | | |
| **Test Identifier** | *NGEO-WEBC-VTD-0170* | **Test Title** | *Download Options* |
| Description and Objective | | | |
| *The design of this test deals with :*  *the display and values update of download options for the current selected dataset.*  *The search criteria inclusion in the open search request* | | | |
| **Features to be tested** | | | |
| This test shall insure that:   * Download options of a dataset can be displayed and their selected values updated. * Dataset download options are included in the open Search url. * download options can be updated for product urls in the results’table | | | |
| **Approach refinements** | | | |
| The aim of the test is to insure that the user ccess to visualize and change the Download options values of the selected dataset.  Incluse the selected download options values in the open search url  Update the product urls download options. | | | |
| **Test Case Identifiers** | | | |
| NGEO-WEBC-VTC-0170 : covers the above mentionned goals  NGEO-WEBC-VTC-0173: checks that the download options can be updated from the results table.  NGEO-WEBC-VTC-0175: checks the goals are consistent when the selected dataset changes. | | | |

### NGEO-WEBC-VTD-0180: Help

|  |  |  |  |
| --- | --- | --- | --- |
| ***NGEO VALIDATION TEST DESIGN*** | | | |
| **Test Identifier** | *NGEO-WEBC-VTD-0180* | **Test Title** | *Help* |
| Description and Objective | | | |
| *The design of this test deals with access to an online guide and access to context help in the application* | | | |
| **Features to be tested** | | | |
| This test shall insure that:   * User can access an online guide. * An help context is provided | | | |
| **Approach refinements** | | | |
| The test is composed of one test case for online guide and context help, the two features are closely related. | | | |
| **Test Case Identifiers** | | | |
| NGEO-WEBC-VTC-0180 : check access to online guide and context help | | | |

### NGEO-WEBC-VTD-0190: Import

|  |  |  |  |
| --- | --- | --- | --- |
| ***NGEO VALIDATION TEST DESIGN*** | | | |
| **Test Identifier** | *NGEO-WEBC-VTD-0190* | **Test Title** | *Import* |
| Description and Objective | | | |
| *The design of this test deals with import of KML and other shape formats to define geographical area* | | | |
| **Features to be tested** | | | |
| This test shall insure that:   * User can import a geographical area from a file * At least KML is supported * User is informed when the file is invalid * Geographical area is displayed and can be used as a search | | | |
| **Approach refinements** | | | |
| The test is composed of one complete test case for all the features that are closely related. | | | |
| **Test Case Identifiers** | | | |
| NGEO-WEBC-VTC-0190 | | | |

### NGEO-WEBC-VTD-0200: Search Shared URL

|  |  |  |  |
| --- | --- | --- | --- |
| ***NGEO VALIDATION TEST DESIGN*** | | | |
| **Test Identifier** | *NGEO-WEBC-VTD-0200* | **Test Title** | *Search Shared URL* |
| Description and Objective | | | |
| *The design of this test deals with search order shared URL* | | | |
| **Features to be tested** | | | |
| This test shall insure that:   * The Search Request can be shared | | | |
| **Approach refinements** | | | |
|  | | | |
| **Test Case Identifiers** | | | |
| NGEO-WEBC-VTC-0200 | | | |

### NGEO-WEBC-VTD-0210: Standing Order Shared URL

|  |  |  |  |
| --- | --- | --- | --- |
| ***NGEO VALIDATION TEST DESIGN*** | | | |
| **Test Identifier** | *NGEO-WEBC-VTD-0210* | **Test Title** | *Standing Order Shared URL* |
| Description and Objective | | | |
| *The design of this test deals with standing order request shared URL* | | | |
| **Features to be tested** | | | |
| This test shall insure that:   * The Standing Order Request can be shared for both time-driven and data-driven types. | | | |
| **Approach refinements** | | | |
|  | | | |
| **Test Case Identifiers** | | | |
| NGEO-WEBC-VTC-0210 : data-driven standing order shared url  NGEO-WEBC-VTC-0215 : time-driven standing order shared url | | | |

### NGEO-WEBC-VTD-0220: Zone of interest definition

|  |  |  |  |
| --- | --- | --- | --- |
| ***NGEO VALIDATION TEST DESIGN*** | | | |
| **Test Identifier** | *NGEO-WEBC-VTD-0220* | **Test Title** | *Zone of interest ccessul* |
| Description and Objective | | | |
| *The design of this test deals with the differents tools available to define a zone of interest (or search area).* | | | |
| **Features to be tested** | | | |
| This test shall insure that:   * The zone of interest can be drawn on the map using a rectangle or polygon tool * The zone of interest can be chosen a region from gazetteer * The zone of interest can be set by entering manually polygon points | | | |
| **Approach refinements** | | | |
| The test is composed of different test cases for each main features (draw, gazetteer, manual polygon). | | | |
| **Test Case Identifiers** | | | |
| NGEO-WEBC-VTC-0220 : Zone of interest : draw  NGEO-WEBC-VTC-0224 : Zone of interest : gazetteer  NGEO-WEBC-VTC-0228 : Zone of interest : manual polygon | | | |

### NGEO-WEBC-VTD-0230: Export

|  |  |  |  |
| --- | --- | --- | --- |
| ***NGEO VALIDATION TEST DESIGN*** | | | |
| **Test Identifier** | *NGEO-WEBC-VTD-0230* | **Test Title** | *Export* |
| Description and Objective | | | |
| *The design of this test deals with export of KML and other shape formats for products.* | | | |
| **Features to be tested** | | | |
| This test shall insure that the user can export products in KML or other shape formats from a selection. | | | |
| **Approach refinements** | | | |
| The test is composed of one test case. | | | |
| **Test Case Identifiers** | | | |
| NGEO-WEBC-VTC-0230 : Export | | | |

### NGEO-WEBC-VTD-0240: Time Slider

|  |  |  |  |
| --- | --- | --- | --- |
| ***NGEO VALIDATION TEST DESIGN*** | | | |
| **Test Identifier** | *NGEO-WEBC-VTD-0240* | **Test Title** | *Time Slider* |
| Description and Objective | | | |
| *The design of this test deals with the use of the time slider in a catalog search.* | | | |
| **Features to be tested** | | | |
| This test shall insure that:   * The user can enable and disable the time slider * The time slider depends on the selected dataset stop date. * Choose a time range and sumit a search. | | | |
| **Approach refinements** | | | |
|  | | | |
| **Test Case Identifiers** | | | |
| NGEO-WEBC-VTC-0240 : Display the time slider  NGEO-WEBC-VTC-0243 : Time Slider depends on dataset  NGEO-WEBC-VTC-0245 : Search with Time Slider | | | |

### NGEO-WEBC-VTD-0250: User Preferences

|  |  |  |  |
| --- | --- | --- | --- |
| ***NGEO VALIDATION TEST DESIGN*** | | | |
| **Test Identifier** | *NGEO-WEBC-VTD-0250* | **Test Title** | *User Preferences* |
| Description and Objective | | | |
| *The design of this test deals with the support of user preferences.* | | | |
| **Features to be tested** | | | |
| This test shall insure that:   * The application can store the last selected dataset and background layer. | | | |
| **Approach refinements** | | | |
|  | | | |
| **Test Case Identifiers** | | | |
| NGEO-WEBC-VTC-0250: User preferences | | | |

### NGEO-WEBC-VTD-0260: Inquiries

|  |  |  |  |
| --- | --- | --- | --- |
| ***NGEO VALIDATION TEST DESIGN*** | | | |
| **Test Identifier** | *NGEO-WEBC-VTD-0260* | **Test Title** | *Inquiries* |
| Description and Objective | | | |
| *The design of this test deals with the support of inquiries in My Account.* | | | |
| **Features to be tested** | | | |
| This test shall insure that:   * The application offers an interface to enter and submit inquiries. | | | |
| **Approach refinements** | | | |
|  | | | |
| **Test Case Identifiers** | | | |
| NGEO-WEBC-VTC-260: Inquiries. | | | |

### NGEO-WEBC-VTD-0270: Shopcart Management

|  |  |  |  |
| --- | --- | --- | --- |
| ***NGEO VALIDATION TEST DESIGN*** | | | |
| **Test Identifier** | *NGEO-WEBC-VTD-0270* | **Test Title** | *Shopcart Management* |
| Description and Objective | | | |
| *The design of this test deals with the support of shopcarts management in My Account.* | | | |
| **Features to be tested** | | | |
| This test shall insure that:   * The application offers an interface to manage the user’s shopcarts. | | | |
| **Approach refinements** | | | |
|  | | | |
| **Test Case Identifiers** | | | |
| NGEO-WEBC-VTC-270: Shopcart Management | | | |

### NGEO-WEBC-VTD-0280: Shopcart as Data Access Service

|  |  |  |  |
| --- | --- | --- | --- |
| ***NGEO VALIDATION TEST DESIGN*** | | | |
| **Test Identifier** | *NGEO-WEBC-VTD-0280* | **Test Title** | *Shopcarts Service* |
| Description and Objective | | | |
| *The design of this test deals with the support of a shopcarts among the data access services.* | | | |
| **Features to be tested** | | | |
| This test shall insure that:   * The application offers an interface to visualize the current shopcart and manage its content. | | | |
| **Approach refinements** | | | |
|  | | | |
| **Test Case Identifiers** | | | |
| NGEO-WEBC-VTC-280: Shopcart as data Access service | | | |

### NGEO-WEBC-VTD-0290: Dataset Authorization

|  |  |  |  |
| --- | --- | --- | --- |
| ***NGEO VALIDATION TEST DESIGN*** | | | |
| **Test Identifier** | *NGEO-WEBC-VTD-0290* | **Test Title** | *Dataset Authorization* |
| Description and Objective | | | |
| *The design of this test deals with the management of authorization on datasets.* | | | |
| **Features to be tested** | | | |
| This test shall insure that:   * Functionnality are limited when authorization is not sufficient * Information messages are displayed to warn user about authorization limitation | | | |
| **Approach refinements** | | | |
|  | | | |
| **Test Case Identifiers** | | | |
| NGEO-WEBC-VTC-290: Dataset Authorization | | | |

### NGEO-WEBC-VTD-0300: Multiple Dataset Search

|  |  |  |  |
| --- | --- | --- | --- |
| ***NGEO VALIDATION TEST DESIGN*** | | | |
| **Test Identifier** | *NGEO-WEBC-VTD-0300* | **Test Title** | *Multiple dataset search* |
| Description and Objective | | | |
| *The design of this test deals with the selection of multiple dataset for a search* | | | |
| **Features to be tested** | | | |
| This test shall insure that:   * User can select multiple datasets * A search is launched for each selected datasets | | | |
| **Approach refinements** | | | |
|  | | | |
| **Test Case Identifiers** | | | |
| NGEO-WEBC-VTC-0300: Multiple Dataset Search | | | |

### NGEO-WEBC-VTD-0310: Interferometry

|  |  |  |  |
| --- | --- | --- | --- |
| ***NGEO VALIDATION TEST DESIGN*** | | | |
| **Test Identifier** | *NGEO-WEBC-VTD-0310* | **Test Title** | *Interferometry* |
| Description and Objective | | | |
| *The design of this test deals with interferometry search.* | | | |
| **Features to be tested** | | | |
| This test shall insure that:   * User can select two datasets for interferometry * Interferometry can be selected only for datasets that support it * User is able to set interferometry parameters * Master and slave items are correctly handle | | | |
| **Approach refinements** | | | |
|  | | | |
| **Test Case Identifiers** | | | |
| NGEO-WEBC-VTC-0310: Interferometry  NGEO-WEBC-VTC-0315: Interferometry support | | | |

### NGEO-WEBC-VTD-0320: Hosted processing

|  |  |  |  |
| --- | --- | --- | --- |
| ***NGEO VALIDATION TEST DESIGN*** | | | |
| **Test Identifier** | *NGEO-WEBC-VTD-0320* | **Test Title** | *Hosted Processing* |
| Description and Objective | | | |
| *The design of this test deals with interferometry search.* | | | |
| **Features to be tested** | | | |
| This test shall insure that:   * User can select and configure hosted processing for a data access request * Hosted processing is available for standing order and product download | | | |
| **Approach refinements** | | | |
|  | | | |
| **Test Case Identifiers** | | | |
| NGEO-WEBC-VTC-0320: Hosted processing | | | |

### NGEO-WEBC-VTD-0330: Gantt Chart

|  |  |  |  |
| --- | --- | --- | --- |
| ***NGEO VALIDATION TEST DESIGN*** | | | |
| **Test Identifier** | *NGEO-WEBC-VTD-03330* | **Test Title** | *Gantt chart* |
| Description and Objective | | | |
| *The design of this test deals with gant chart* | | | |
| **Features to be tested** | | | |
| This test shall insure that:   * Results can be displayed in a gantt chart * User can zoom on the time axis | | | |
| **Approach refinements** | | | |
|  | | | |
| **Test Case Identifiers** | | | |
| NGEO-WEBC-VTC-0330: Gantt chart | | | |

## Software Validation Test Case Specification

### General

This section provides the Test Cases aimed to validate the ngEO Web Client sub-system. For the identification of the Test Cases the following naming convention shall apply:

NGEO-WEBC-VTC<TC\_nnnn> : <Title>

* <TC\_nnnn>: 4 digits number (generally having a stepping interval of 10)
* <Title> Title of the Test Case

### NGEO-WEBC-VTC-0010: Installation of Web Client and home page check

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***NGEO VALIDATION TEST CASE*** | | | | |
| **Test Identifier** | *NGEO-WEBC-VTC-0010* | | **Test Title** | *Installation of Web Client and home page check* |
| **Description and Objective** | | | | |
| *The design of this test deals with the installation on the system, the configuration and then start-up.* | | | | |
| **Inputs Specification** | | | | |
| RPM files : esa-webclient-ngeo-XX-YY.noarch.rpm  esa-webclient-testserver-ngeo-XX-YY.noarch.rpm | | | | |
| **Outputs Specification** | | | | |
| None | | | | |
| **Environmental needs** | | | | |
| Hardware and software set-up of the test platform as specified in [AD.3]. | | | | |
| **Constraints** | | | | |
| None | | | | |
| **Dependencies** | | | | |
| None | | | | |
| **Pass/Fail Criteria** | | | | |
| *NGEO-WEBC-PFC-0015* | | Open a browser at this URL: http://localhost:3000/client/, and check the interface is opened without errors in less than 3 seconds. | | |
| *NGEO-WEBC-PFC-0016* | | Check that different services are available on the home page: Datasets, Search, My Account. | | |
| *NGEO-WEBC-PFC-0017* | | Check that the map is centered on a globe map at (0,0) | | |

### NGEO-WEBC-VTC-0020: Dataset selection

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***NGEO VALIDATION TEST CASE*** | | | | |
| **Test Identifier** | *NGEO-WEBC-VTC-0020* | | **Test Title** | *Dataset selection* |
| **Description and Objective** | | | | |
| *The design of this test deals with the visualization, the selection of a dataset* | | | | |
| **Inputs Specification** | | | | |
| NGEO-WEBC-VTC-0010 has already been fulfilled: the ngeo web client has already been successfully installed and launched.  The server side implements the **IF-ngEO-IF-DatasetPopulationMatrix** interface in compliance with [AD.4]  The server side implementes the **IF-ngEO-DatasetSearchInfo** interface in compliance with [AD.4] | | | | |
| **Outputs Specification** | | | | |
| None | | | | |
| **Environmental needs** | | | | |
| Same needs than *NGEO-WEBC-VTC-0010.* | | | | |
| **Constraints** | | | | |
| None | | | | |
| **Dependencies** | | | | |
| The server side implements the **IF-ngEO-IF-DatasetPopulationMatrix** in compliance with [AD.4]  The server side implementes the **IF-ngEO-DatasetSearchInfo** interface in compliance with [AD.4] | | | | |
| **Pass/Fail Criteria** | | | | |
| *NGEO-WEBC-PFC-0020* | | Open the dataset widget; select one of the available datasets. | | |
| *NGEO-WEBC-PFC-0021* | | Check that 1000 datasets are managed | | |
| *NGEO-WEBC-PFC-0022* | | Check that the dataset description is displayed | | |

### NGEO-WEBC-VTC-0030: Simple Search formulation

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***NGEO VALIDATION TEST CASE*** | | | | |
| **Test Identifier** | *NGEO-WEBC-VTC-0030* | | **Test Title** | *Simple Search Formulation* |
| **Description and Objective** | | | | |
| *The design of this test deals with the formulation of a simple search on the web client.* | | | | |
| **Inputs Specification** | | | | |
| NGEO-WEBC-VTC-0010 has already been fulfilled: the ngeo web client has already been successfully installed and launched.  NGEO-WEBC-VTC-0020has already been fulfilled: the dataset selection functionality has already been implemented. | | | | |
| **Outputs Specification** | | | | |
| None | | | | |
| **Environmental needs** | | | | |
| Same needs than *NGEO-WEBC-VTC-0010.* | | | | |
| **Constraints** | | | | |
| None | | | | |
| **Dependencies** | | | | |
| *NGEO-WEBC-VTC-0010 and NGEO-WEBC-VTC-0020 have already been fulfilled.* | | | | |
| **Pass/Fail Criteria** | | | | |
| *NGEO-WEBC-PFC-0030* | | The start and end dates can be selected using a calendar | | |
| *NGEO-WEBC-PFC-0031* | | The bbox inputs do validate the longitude and latitude values. | | |
| *NGEO-WEBC-PFC-0032* | | The key dates can be selected using the calendar | | |
| *NGEO-WEBC-PFC-0035* | | The coordinates (the current map extend) are displayed. | | |

### NGEO-WEBC-VTC-0040: Search results in a table

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***NGEO VALIDATION TEST CASE*** | | | | |
| **Test Identifier** | *NGEO-WEBC-VTC-0040* | | **Test Title** | *Search Results In a Table* |
| **Description and Objective** | | | | |
| *The design of this test deals with the displaying of simple search results in a table with pagination.* | | | | |
| **Inputs Specification** | | | | |
| NGEO-WEBC-VTC-0010 has already been fulfilled: the ngeo web client has already been installed and launched successfully.  NGEO-WEBC-VTC-0020has already been fulfilled: the dataset selection functionality has already been implemented.  NGEO-WEBC-VTC-0030has already been fulfilled: the simple search formulation has already been implemented. | | | | |
| **Outputs Specification** | | | | |
| None | | | | |
| **Environmental needs** | | | | |
| Same needs than *NGEO-WEBC-VTC-0010.* | | | | |
| **Constraints** | | | | |
| None | | | | |
| **Dependencies** | | | | |
| *NGEO-WEBC-VTC-0010, NGEO-WEBC-VTC-0020 and NGEO-WEBC-VTC-0030 have already been fulfilled.* | | | | |
| **Pass/Fail Criteria** | | | | |
| *NGEO-WEBC-PFC-0040* | | The first received search results are displayed in a table with pagination. | | |
| *NGEO-WEBC-PFC-0041* | | The next results are displayed in a table with pagination. | | |
| *NGEO-WEBC-PFC-0042* | | The results rows are sortable in ascending order | | |
| *NGEO-WEBC-PFC-0043* | | The results rows are sortable in descending order | | |
| *NGEO-WEBC-PFC-0045* | | The results table columns are configurable. | | |

### NGEO-WEBC-VTC-0050: Search Results on the map

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***NGEO VALIDATION TEST CASE*** | | | | |
| **Test Identifier** | *NGEO-WEBC-VTC-0050* | | **Test Title** | *Search Results on the Map* |
| **Description and Objective** | | | | |
| *The design of this test deals with the displaying of simple search results on the map.* | | | | |
| **Inputs Specification** | | | | |
| NGEO-WEBC-VTC-0010 has already been fulfilled: the ngeo web client has already been installed and launched successfully.  NGEO-WEBC-VTC-0040has already been fulfilled: the search results are already displayed in a table. | | | | |
| **Outputs Specification** | | | | |
| None | | | | |
| **Environmental needs** | | | | |
| Same needs than *NGEO-WEBC-VTC-0010.* | | | | |
| **Constraints** | | | | |
| None | | | | |
| **Dependencies** | | | | |
| *NGEO-WEBC-VTC-0010 and NGEO-WEBC-VTC-0040 have already been fulfilled.* | | | | |
| **Pass/Fail Criteria** | | | | |
| *NGEO-WEBC-PFC-0050* | | * The received search results are displayed on the map. | | |
| *NGEO-WEBC-PFC-0051* | | * The footprints are displayed as a layer on the map | | |

### NGEO-WEBC-VTC-0060: Browse visualization

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***NGEO VALIDATION TEST CASE*** | | | | |
| **Test Identifier** | *NGEO-WEBC-VTC-0060* | | **Test Title** | *Browse Visualization* |
| **Description and Objective** | | | | |
| *The design of this test deals with browse visualization.* | | | | |
| **Inputs Specification** | | | | |
| NGEO-WEBC-VTC-0010 has already been fulfilled: the ngeo web client has already been successfully installed and launched. | | | | |
| **Outputs Specification** | | | | |
| None | | | | |
| **Environmental needs** | | | | |
| Same needs than *NGEO-WEBC-VTC-0010.*  *Browse layer are taken from EOX test server:* [*http://ngeo.eox.at/c/wmts/*](http://ngeo.eox.at/c/wmts/)*.* | | | | |
| **Constraints** | | | | |
| None | | | | |
| **Dependencies** | | | | |
| *NGEO-WEBC-VTC-0010 has already been fulfilled.* | | | | |
| **Pass/Fail Criteria** | | | | |
| *NGEO-WEBC-PFC-0060* | | * The browse layer of the selected result item is displayed. | | |
| *NGEO-WEBC-PFC-0061* | | * The browse layer of the selected result item is displayed when the background layer is changed. | | |
| *NGEO-WEBC-PFC-0062* | | * The browse layer of the selected result item is displayed when the map mode is switched from 2D to 3D and inversely. | | |

### NGEO-WEBC-VTC-0070: Filtered dataset selection

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***NGEO VALIDATION TEST CASE*** | | | | |
| **Test Identifier** | *NGEO-WEBC-VTC-0070* | | **Test Title** | *Filtered Dataset Selection* |
| **Description and Objective** | | | | |
| *The design of this test deals with selecting datasets using* *missions, sensors and keywords filters.* | | | | |
| **Inputs Specification** | | | | |
| NGEO-WEBC-VTC-0010 has already been fulfilled: the ngeo web client has already been successfully installed and launched.  NGEO-WEBC-VTC-0020has already been fulfilled: the dataset selection functionality has already been implemented. | | | | |
| **Outputs Specification** | | | | |
| None | | | | |
| **Environmental needs** | | | | |
| Same needs than *NGEO-WEBC-VTC-0010.* | | | | |
| **Constraints** | | | | |
| None | | | | |
| **Dependencies** | | | | |
| *NGEO-WEBC-VTC-0010 and NGEO-WEBC-VTC-0020 have already been fulfilled.* | | | | |
| **Pass/Fail Criteria** | | | | |
| *NGEO-WEBC-PFC-0070* | | The datasets can be selected using mission criteria. | | |
| *NGEO-WEBC-PFC-0071* | | The datasets can be selected using sensor criteria | | |
| *NGEO-WEBC-PFC-0072* | | The datasets can be selected using keywords criteria. | | |
| *NGEO-WEBC-PFC-0073* | | The datasets can be selected using text string in their ids. | | |
| *NGEO-WEBC-PFC-0075* | | The dataset population count is adapted according to criteria. | | |

### NGEO-WEBC-VTC-0080: Searching with a URL

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***NGEO VALIDATION TEST CASE*** | | | | |
| **Test Identifier** | *NGEO-WEBC-VTC-0080* | | **Test Title** | *Searching with a url* |
| **Description and Objective** | | | | |
| *The design of this test deals with making a catalogue search using a generated url.* | | | | |
| **Inputs Specification** | | | | |
| NGEO-WEBC-VTC-0010 has already been fulfilled: the ngeo web client has already been successfully installed and launched.  NGEO-WEBC-VTC-0030has already been fulfilled: the formulation of a simple search functionality has already been implemented. | | | | |
| **Outputs Specification** | | | | |
| None | | | | |
| **Environmental needs** | | | | |
| Same needs than *NGEO-WEBC-VTC-0010.* | | | | |
| **Constraints** | | | | |
| None | | | | |
| **Dependencies** | | | | |
| *NGEO-WEBC-VTC-0010 and NGEO-WEBC-VTC-0030 have already been fulfilled.* | | | | |
| **Pass/Fail Criteria** | | | | |
| *NGEO-WEBC-PFC-0080* | | * A catalogue search can be performed using a generated search url. | | |
| *NGEO-WEBC-PFC-0081* | | * A catalogue search can be performed using a directly entered preformatted openSearch url. | | |

### NGEO-WEBC-VTC-0090: Map background

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***NGEO VALIDATION TEST CASE*** | | | | |
| **Test Identifier** | *NGEO-WEBC-VTC-0090* | | **Test Title** | *Map background* |
| **Description and Objective** | | | | |
| *The design of this test deals with changing the background layers* | | | | |
| **Inputs Specification** | | | | |
| NGEO-WEBC-VTC-0010 has already been fulfilled: the ngeo web client has already been successfully installed and launched. | | | | |
| **Outputs Specification** | | | | |
| None | | | | |
| **Environmental needs** | | | | |
| Same needs than *NGEO-WEBC-VTC-0010.* | | | | |
| **Constraints** | | | | |
| None | | | | |
| **Dependencies** | | | | |
| *NGEO-WEBC-VTC-0010 have already been fulfilled.* | | | | |
| **Pass/Fail Criteria** | | | | |
| *NGEO-WEBC-PFC-0090* | | * The map background can be changed | | |

### NGEO-WEBC-VTC-0095: Map data layers

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***NGEO VALIDATION TEST CASE*** | | | | |
| **Test Identifier** | *NGEO-WEBC-VTC-0095* | | **Test Title** | *Map data layers* |
| **Description and Objective** | | | | |
| *The design of this test deals with showing different data layers coming from public services on the web (WFS,GeoRSS,WMS)* | | | | |
| **Inputs Specification** | | | | |
| NGEO-WEBC-VTC-0010 has already been fulfilled: the ngeo web client has already been successfully installed and launched. | | | | |
| **Outputs Specification** | | | | |
| None | | | | |
| **Environmental needs** | | | | |
| Same needs than *NGEO-WEBC-VTC-0010.* | | | | |
| **Constraints** | | | | |
| None | | | | |
| **Dependencies** | | | | |
| *NGEO-WEBC-VTC-0010 have already been fulfilled.* | | | | |
| **Pass/Fail Criteria** | | | | |
| *NGEO-WEBC-PFC-0095* | | * GeoRSS/WFS/WMS data is displayed | | |

### NGEO-WEBC-VTC-0100: Map navigation and selection

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***NGEO VALIDATION TEST CASE*** | | | | |
| **Test Identifier** | *NGEO-WEBC-VTC-0100* | | **Test Title** | *Map navigation and selection* |
| **Description and Objective** | | | | |
| *The test deals with the navigation and selection of products in the map.* | | | | |
| **Inputs Specification** | | | | |
| NGEO-WEBC-VTC-0010 has already been fulfilled: the ngeo web client has already been successfully installed and launched.  NGEO-WEBC-VTC-0050 has been done: search results are already displayed in the map. | | | | |
| **Outputs Specification** | | | | |
| None | | | | |
| **Environmental needs** | | | | |
| Same needs than *NGEO-WEBC-VTC-0010.* | | | | |
| **Constraints** | | | | |
| None | | | | |
| **Dependencies** | | | | |
| *NGEO-WEBC-VTC-0010*  *NGEO-WEBC-VTC-0050* | | | | |
| **Pass/Fail Criteria** | | | | |
| *NGEO-WEBC-PFC-0100* | | Navigate in the map 2D and 3D with the mouse | | |
| *NGEO-WEBC-PFC-0104* | | Highlight a ccessul the map | | |
| *NGEO-WEBC-PFC-0105* | | Select one product in the map | | |
| *NGEO-WEBC-PFC-0106* | | Highlight a stack of products in the map | | |
| *NGEO-WEBC-PFC-0107* | | Select a stack of products in the map | | |

### NGEO-WEBC-VTC-0110: Simple data access request

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***NGEO VALIDATION TEST CASE*** | | | | |
| **Test Identifier** | *NGEO-WEBC-VTC-0110* | | **Test Title** | *Simple data access request* |
| **Description and Objective** | | | | |
| *The test deals with the creation of a simple data access request from the search results table.* | | | | |
| **Inputs Specification** | | | | |
| NGEO-WEBC-VTC-0010 has already been fulfilled: the ngeo web client has already been successfully installed and launched.  NGEO-WEBC-VTC-0040 has been done: search results are already displayed in the table. | | | | |
| **Outputs Specification** | | | | |
| None | | | | |
| **Environmental needs** | | | | |
| Same needs than *NGEO-WEBC-VTC-0010.*  At least one download manager has been installed and registered. | | | | |
| **Constraints** | | | | |
| None | | | | |
| **Dependencies** | | | | |
| *NGEO-WEBC-VTC-0010*  *NGEO-WEBC-VTC-0040* | | | | |
| **Pass/Fail Criteria** | | | | |
| *NGEO-WEBC-PFC-0110* | | The simple data Access request download manager assignment | | |
| *NGEO-WEBC-PFC-0111* | | The simple data Access request is validated. The expected download size is shown. | | |
| *NGEO-WEBC-PFC-0112* | | The data Access request widget is confirmed | | |
| *NGEO-WEBC-PFC-0113* | | The simple data Access request is validated. A warning message is shown because the download is too huge. | | |
| *NGEO-WEBC-PFC-0114* | | A list of already used sub-directories for the selected Download Manager is displayed | | |
| *NGEO-WEBC-PFC-0115* | | No download manager registered | | |

### NGEO-WEBC-VTC-0120: Standing Order data access request

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***NGEO VALIDATION TEST CASE*** | | | | |
| **Test Identifier** | *NGEO-WEBC-VTC-0120* | | **Test Title** | *Standing Order data access request* |
| **Description and Objective** | | | | |
| *The test deals with the creation of a standing order data access request from the search criteria panel.* | | | | |
| **Inputs Specification** | | | | |
| NGEO-WEBC-VTC-0010 has already been fulfilled: the ngeo web client has already been successfully installed and launched.  NGEO-WEBC-VTC-0030 has been done: search criteria have already been chosen. | | | | |
| **Outputs Specification** | | | | |
| None | | | | |
| **Environmental needs** | | | | |
| Same needs than *NGEO-WEBC-VTC-0010.*  At least two download manager has been installed and registered. | | | | |
| **Constraints** | | | | |
| None | | | | |
| **Dependencies** | | | | |
| *NGEO-WEBC-VTC-0010*  *NGEO-WEBC-VTC-0030* | | | | |
| **Pass/Fail Criteria** | | | | |
| *NGEO-WEBC-PFC-0120* | | Display data-driven standing order widget | | |
| *NGEO-WEBC-PFC-0121* | | Assign a download manager to a standing order request | | |
| *NGEO-WEBC-PFC-0122* | | Validate a standing order request | | |
| *NGEO-WEBC-PFC-0123* | | Confirm a standing order request | | |
| *NGEO-WEBC-PFC-0125* | | Display time-driven standing order widget | | |
| *NGEO-WEBC-PFC-0126* | | Submit data-driven standing order with changed download manager | | |

### NGEO-WEBC-VTC-0130: Download Managers Monitoring

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***NGEO VALIDATION TEST CASE*** | | | | |
| **Test Identifier** | *NGEO-WEBC-VTC-0130* | | **Test Title** | *Download Managers Monitoring* |
| **Description and Objective** | | | | |
| *The test deals with the visualization and the monitoring of a registered download manager* | | | | |
| **Inputs Specification** | | | | |
| NGEO-WEBC-VTC-0010 has already been fulfilled: the ngeo web client has already been successfully installed and launched. | | | | |
| **Outputs Specification** | | | | |
| None | | | | |
| **Environmental needs** | | | | |
| Same needs than *NGEO-WEBC-VTC-0010.*  At least one download manager has been installed and registered. | | | | |
| **Constraints** | | | | |
| None | | | | |
| **Dependencies** | | | | |
| *NGEO-WEBC-VTC-0010* | | | | |
| **Pass/Fail Criteria** | | | | |
| *NGEO-WEBC-PFC-0130* | | A message appears when the download managers has been stopped by the Web Server | | |

### NGEO-WEBC-VTC-0131: Download Managers Monitoring: No Download Manager Registered

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***NGEO VALIDATION TEST CASE*** | | | | |
| **Test Identifier** | *NGEO-WEBC-VTC-0131* | | **Test Title** | *Download Managers Monitoring when no download manager has been registered* |
| **Description and Objective** | | | | |
| *The test deals with the Download Managers Monitoring when no download manager has been registered.* | | | | |
| **Inputs Specification** | | | | |
| NGEO-WEBC-VTC-0010 has already been fulfilled: the ngeo web client has already been successfully installed and launched. | | | | |
| **Outputs Specification** | | | | |
| None | | | | |
| **Environmental needs** | | | | |
| Same needs than *NGEO-WEBC-VTC-0010.*  No download manager has been registered. See 6.6.3 to remove the download manager registered by default with the stub server. | | | | |
| **Constraints** | | | | |
| None | | | | |
| **Dependencies** | | | | |
| *NGEO-WEBC-VTC-0010* | | | | |
| **Pass/Fail Criteria** | | | | |
| *NGEO-WEBC-PFC-0131* | | A message appears with link to download manager installation when no download manager is installed | | |

### NGEO-WEBC-VTC-0140: Data Access Requests Monitoring

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***NGEO VALIDATION TEST CASE*** | | | | |
| **Test Identifier** | *NGEO-WEBC-VTC-0140* | | **Test Title** | *Data Access Requests Monitoring* |
| **Description and Objective** | | | | |
| *The test deals with the visualization and the monitoring of submitted data access requests.* | | | | |
| **Inputs Specification** | | | | |
| NGEO-WEBC-VTC-0010: has already been fulfilled: the ngeo web client has already been successfully installed and launched.  NGEO-WEBC-VTC-0110: at least simple data access request has been successfully submitted.  NGEO-WEBC-VTC-0120: at leat standing order has successfully been submitted. | | | | |
| **Outputs Specification** | | | | |
| None | | | | |
| **Environmental needs** | | | | |
| Same needs than *NGEO-WEBC-VTC-0010.*  At least one download manager has been installed and registered. | | | | |
| **Constraints** | | | | |
|  | | | | |
| **Dependencies** | | | | |
| *NGEO-WEBC-VTC-0010*  *NGEO-WEBC-VTC-0110*  *NGEO-WEBC-VTC-0120* | | | | |
| **Pass/Fail Criteria** | | | | |
| *NGEO-WEBC-PFC-0140* | | The request status is changed to: cancelled. | | |

### NGEO-WEBC-VTC-0150: Direct Download

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***NGEO VALIDATION TEST CASE*** | | | | |
| **Test Identifier** | *NGEO-WEBC-VTC-0150* | | **Test Title** | *Direct Download* |
| **Description and Objective** | | | | |
| *The design of this test deals with the possibility to control a product direct download.* | | | | |
| **Inputs Specification** | | | | |
| NGEO-WEBC-VTC-0010 has already been fulfilled: the ngeo web client has already been successfully installed and launched.  NGEO-WEBC-VTC-0040 has already been performed: a search has been done and search results are displayed in a table. | | | | |
| **Outputs Specification** | | | | |
| None | | | | |
| **Environmental needs** | | | | |
| Same needs than *NGEO-WEBC-VTC-0010.* | | | | |
| **Constraints** | | | | |
| At least one of the products in search results has a url starting with http or https. | | | | |
| **Dependencies** | | | | |
| *NGEO-WEBC-VTC-0010*  *NGEO-WEBC-VTC-0040* | | | | |
| **Pass/Fail Criteria** | | | | |
| *NGEO-WEBC-PFC-0150* | | A product is downloaded with an URL with a .ngeo suffix. | | |

### NGEO-WEBC-VTC-0160: Advanced Search Criteria

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***NGEO VALIDATION TEST CASE*** | | | | |
| **Test Identifier** | *NGEO-WEBC-VTC-0160* | | **Test Title** | *Advanced Search Criteria* |
| **Description and Objective** | | | | |
| *The design of this test deals with :*  *the display and values update of search criteria for the current selected dataset.*  *The search criteria inclusion in the open search request* | | | | |
| **Inputs Specification** | | | | |
| NGEO-WEBC-VTC-0010 has already been fulfilled: the ngeo web client has already been successfully installed and launched.  NGEO-WEBC-VTC-0040 has already been performed: a search has been done and search results are displayed in a table. | | | | |
| **Outputs Specification** | | | | |
| None | | | | |
| **Environmental needs** | | | | |
| Same needs than *NGEO-WEBC-VTC-0010.* | | | | |
| **Constraints** | | | | |
|  | | | | |
| **Dependencies** | | | | |
| *NGEO-WEBC-VTC-0010* | | | | |
| **Pass/Fail Criteria** | | | | |
| *NGEO-WEBC-PFC-0160* | | Seach criterias are vizualized | | |
| *NGEO-WEBC-PFC-0161* | | Search criteria selected values can be changed | | |
| *NGEO-WEBC-PFC-0162* | | Selected search criterias are included in the openSearch url | | |

### NGEO-WEBC-VTC-0165: Advanced Search Criteria updated with dataset changes

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***NGEO VALIDATION TEST CASE*** | | | | |
| **Test Identifier** | *NGEO-WEBC-VTC-0165* | | **Test Title** | *Advanced Search Criteria updated with dataset changes* |
| **Description and Objective** | | | | |
| *The design of this test deals with the update of search criteria when the selected dataset changes* | | | | |
| **Inputs Specification** | | | | |
| NGEO-WEBC-VTC-0010 has already been fulfilled: the ngeo web client has already been successfully installed and launched. | | | | |
| **Outputs Specification** | | | | |
| None | | | | |
| **Environmental needs** | | | | |
| Same needs than *NGEO-WEBC-VTC-0010.* | | | | |
| **Constraints** | | | | |
|  | | | | |
| **Dependencies** | | | | |
| *NGEO-WEBC-VTC-0010* | | | | |
| **Pass/Fail Criteria** | | | | |
| *NGEO-WEBC-PFC-0165* | | Search criteria changes when the dataset selected changes | | |

### NGEO-WEBC-VTC-0170: Download Options

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***NGEO VALIDATION TEST CASE*** | | | | |
| **Test Identifier** | *NGEO-WEBC-VTC-0170* | | **Test Title** | *Download Options* |
| **Description and Objective** | | | | |
| *The display and values update of download options for the current selected dataset.*  *The download options inclusion in the open search request* | | | | |
| **Inputs Specification** | | | | |
| NGEO-WEBC-VTC-0010 has already been fulfilled: the ngeo web client has already been successfully installed and launched. | | | | |
| **Outputs Specification** | | | | |
| None | | | | |
| **Environmental needs** | | | | |
| Same needs than *NGEO-WEBC-VTC-0010.* | | | | |
| **Constraints** | | | | |
|  | | | | |
| **Dependencies** | | | | |
| *NGEO-WEBC-VTC-0010* | | | | |
| **Pass/Fail Criteria** | | | | |
| *NGEO-WEBC-PFC-0170* | | Download options are vizualized | | |
| *NGEO-WEBC-PFC-0171* | | Download options selected values can be changed | | |
| *NGEO-WEBC-PFC-0172* | | Selected download options are included in the openSearch url | | |

### NGEO-WEBC-VTC-0173: Download Options Update from the results table

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***NGEO VALIDATION TEST CASE*** | | | | |
| **Test Identifier** | *NGEO-WEBC-VTC-0173* | | **Test Title** | *Download Options Update from the Results Table* |
| **Description and Objective** | | | | |
| *The display and values update of download options for the selected items in the results table.* | | | | |
| **Inputs Specification** | | | | |
| NGEO-WEBC-VTC-0010 has already been fulfilled: the ngeo web client has already been successfully installed and launched. | | | | |
| **Outputs Specification** | | | | |
| None | | | | |
| **Environmental needs** | | | | |
| Same needs than *NGEO-WEBC-VTC-0010.* | | | | |
| **Constraints** | | | | |
|  | | | | |
| **Dependencies** | | | | |
| *NGEO-WEBC-VTC-0010* | | | | |
| **Pass/Fail Criteria** | | | | |
| *NGEO-WEBC-PFC-0173* | | Download options are vizualized from the results table | | |
| *NGEO-WEBC-PFC-0174* | | Download options selected values can be changed from the results table | | |

### NGEO-WEBC-VTC-0175: Download Options update with the selected Dataset

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***NGEO VALIDATION TEST CASE*** | | | | |
| **Test Identifier** | *NGEO-WEBC-VTC-0175* | | **Test Title** | *Download Options update with the selected Dataset* |
| **Description and Objective** | | | | |
| *The design of this test deals with the update of download options when the selected dataset changes* | | | | |
| **Inputs Specification** | | | | |
| NGEO-WEBC-VTC-0010 has already been fulfilled: the ngeo web client has already been successfully installed and launched. | | | | |
| **Outputs Specification** | | | | |
| None | | | | |
| **Environmental needs** | | | | |
| Same needs than *NGEO-WEBC-VTC-0010.* | | | | |
| **Constraints** | | | | |
|  | | | | |
| **Dependencies** | | | | |
| *NGEO-WEBC-VTC-0010* | | | | |
| **Pass/Fail Criteria** | | | | |
| *NGEO-WEBC-PFC-0175* | | Download options changes when the dataset selected changes | | |
| *NGEO-WEBC-PFC-0177* | | Download option : crop product to search area is supported | | |

### NGEO-WEBC-VTC-0180: Help

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***NGEO VALIDATION TEST CASE*** | | | | |
| **Test Identifier** | *NGEO-WEBC-VTC-0180* | | **Test Title** | *Help* |
| **Description and Objective** | | | | |
| *The design of this test deals with acess to online guide.* | | | | |
| **Inputs Specification** | | | | |
| NGEO-WEBC-VTC-0010 has already been fulfilled: the ngeo web client has already been successfully installed and launched. | | | | |
| **Outputs Specification** | | | | |
| None | | | | |
| **Environmental needs** | | | | |
| Same needs than *NGEO-WEBC-VTC-0010.* | | | | |
| **Constraints** | | | | |
|  | | | | |
| **Dependencies** | | | | |
| *NGEO-WEBC-VTC-0010* | | | | |
| **Pass/Fail Criteria** | | | | |
| *NGEO-WEBC-PFC-0180* | | Online guide is displayed and pages are accessible | | |
| *NGEO-WEBC-PFC-0181* | | Context help can be browse from the table of contents | | |
| *NGEO-WEBC-PFC-0185* | | Context help is displayed as tooltip | | |

### NGEO-WEBC-VTC-0190: Import

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***NGEO VALIDATION TEST CASE*** | | | | |
| **Test Identifier** | *NGEO-WEBC-VTC-0190* | | **Test Title** | *Import* |
| **Description and Objective** | | | | |
| *The design of this test deals with import of a geographic area.* | | | | |
| **Inputs Specification** | | | | |
| NGEO-WEBC-VTC-0030 has already been fulfilled: a simple search has been formulated | | | | |
| **Outputs Specification** | | | | |
| None | | | | |
| **Environmental needs** | | | | |
| Same needs than *NGEO-WEBC-VTC-0030.*  The files in archive ngEO-WEBC-TestData.zip are needed for the tests. | | | | |
| **Constraints** | | | | |
|  | | | | |
| **Dependencies** | | | | |
| *NGEO-WEBC-VTC-0030* | | | | |
| **Pass/Fail Criteria** | | | | |
| *NGEO-WEBC-PFC-0190* | | The geographical area is displayed for a KML file | | |
| *NGEO-WEBC-PFC-0191* | | The geographical area is displayed for a GeoJSON file | | |
| *NGEO-WEBC-PFC-0192* | | The geographical area is displayed for a GML file | | |
| *NGEO-WEBC-PFC-0195* | | An error message is displayed for file with too many features | | |
| *NGEO-WEBC-PFC-0196* | | An error message is displayed for an invalid file | | |

### NGEO-WEBC-VTC-0200: Search Shared URL

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***NGEO VALIDATION TEST CASE*** | | | | |
| **Test Identifier** | *NGEO-WEBC-VTC-0200* | | **Test Title** | *Search Shared URL* |
| **Description and Objective** | | | | |
| *The design of this test deals with search shared url.* | | | | |
| **Inputs Specification** | | | | |
| NGEO-WEBC-VTC-0030 has already been fulfilled: a simple search has been formulated | | | | |
| **Outputs Specification** | | | | |
| None | | | | |
| **Environmental needs** | | | | |
| Same needs than *NGEO-WEBC-VTC-0030.* | | | | |
| **Constraints** | | | | |
|  | | | | |
| **Dependencies** | | | | |
| *NGEO-WEBC-VTC-0030* | | | | |
| **Pass/Fail Criteria** | | | | |
| *NGEO-WEBC-PFC-0200* | | The user client is opened in the new browser window with the search widget opened. | | |
| *NGEO-WEBC-PFC-0201* | | The date criterias are restored | | |
| *NGEO-WEBC-PFC-0202* | | The area criterias are restored | | |
| *NGEO-WEBC-PFC-0203* | | The advanced search criterias are restored | | |
| *NGEO-WEBC-PFC-0204* | | The download options are restored | | |

### NGEO-WEBC-VTC-0210: Data-driven Standing Odrer Shared URL

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***NGEO VALIDATION TEST CASE*** | | | | |
| **Test Identifier** | *NGEO-WEBC-VTC-0210* | | **Test Title** | *Data-driven Standing Order Shared URL* |
| **Description and Objective** | | | | |
| *The design of this test deals with checking that data-driven standing order url can be shared.* | | | | |
| **Inputs Specification** | | | | |
| NGEO-WEBC-VTC-0030 has already been fulfilled: a simple search has been formulated | | | | |
| **Outputs Specification** | | | | |
| None | | | | |
| **Environmental needs** | | | | |
| Same needs than *NGEO-WEBC-VTC-0030.* | | | | |
| **Constraints** | | | | |
|  | | | | |
| **Dependencies** | | | | |
| *NGEO-WEBC-VTC-0030* | | | | |
| **Pass/Fail Criteria** | | | | |
| *NGEO-WEBC-PFC-0210* | | The user client is opened in the new browser window with the standing order widget opened. | | |
| *NGEO-WEBC-PFC-0211* | | The standing order data-driven parameters are restored (start date, end date and Data-driven check box). | | |

### NGEO-WEBC-VTC-0215: Time-driven Standing Odrer Shared URL

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***NGEO VALIDATION TEST CASE*** | | | | |
| **Test Identifier** | *NGEO-WEBC-VTC-0215* | | **Test Title** | *Time-driven Standing Order Shared URL* |
| **Description and Objective** | | | | |
| *The design of this test deals with checking that the time-driven standing order url can be shared.* | | | | |
| **Inputs Specification** | | | | |
| NGEO-WEBC-VTC-0030 has already been fulfilled: a simple search has been formulated | | | | |
| **Outputs Specification** | | | | |
| None | | | | |
| **Environmental needs** | | | | |
| Same needs than *NGEO-WEBC-VTC-0030.* | | | | |
| **Constraints** | | | | |
|  | | | | |
| **Dependencies** | | | | |
| *NGEO-WEBC-VTC-0030* | | | | |
| **Pass/Fail Criteria** | | | | |
| *NGEO-WEBC-PFC-0210* | | The user client is opened in the new browser window with the standing order widget opened. | | |

### NGEO-WEBC-VTC-0220: Zone of interest: draw

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***NGEO VALIDATION TEST CASE*** | | | | |
| **Test Identifier** | *NGEO-WEBC-VTC-0220* | | **Test Title** | *Zone of interest : draw* |
| **Description and Objective** | | | | |
| *The design of this test deals with the drawing on the map of a rectangle/polygon to define the zone of interest.* | | | | |
| **Inputs Specification** | | | | |
| NGEO-WEBC-VTC-0030 has already been fulfilled: a simple search has been formulated | | | | |
| **Outputs Specification** | | | | |
| None | | | | |
| **Environmental needs** | | | | |
| Same needs than *NGEO-WEBC-VTC-0030.* | | | | |
| **Constraints** | | | | |
|  | | | | |
| **Dependencies** | | | | |
| *NGEO-WEBC-VTC-0030* | | | | |
| **Pass/Fail Criteria** | | | | |
| *NGEO-WEBC-PFC-0220* | | A rectangle is drawn | | |
| *NGEO-WEBC-PFC-0221* | | A polygon is drawn | | |
| *NGEO-WEBC-PFC-0222* | | The navigation on the map is effective and does not interfere with the drawing functionnality | | |

### NGEO-WEBC-VTC-0224: Zone of interest: gazetteer

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***NGEO VALIDATION TEST CASE*** | | | | |
| **Test Identifier** | *NGEO-WEBC-VTC-0224* | | **Test Title** | *Zone of interest: gazetteer* |
| **Description and Objective** | | | | |
| *The design of this test deals with the use of a gazetteer to define the zone of interest.* | | | | |
| **Inputs Specification** | | | | |
| NGEO-WEBC-VTC-0030 has already been fulfilled: a simple search has been formulated | | | | |
| **Outputs Specification** | | | | |
| None | | | | |
| **Environmental needs** | | | | |
| Same needs than *NGEO-WEBC-VTC-0030.* | | | | |
| **Constraints** | | | | |
|  | | | | |
| **Dependencies** | | | | |
| *NGEO-WEBC-VTC-0030* | | | | |
| **Pass/Fail Criteria** | | | | |
| *NGEO-WEBC-PFC-0224* | | A region is used from the gazetteer as zone of interest. | | |
| *NGEO-WEBC-PFC-0225* | | An invalid location is given to the gazetteer. | | |

### NGEO-WEBC-VTC-0228: Zone of interest: Manual polygon

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***NGEO VALIDATION TEST CASE*** | | | | |
| **Test Identifier** | *NGEO-WEBC-VTC-0228* | | **Test Title** | *Zone of interest: Manual polygon* |
| **Description and Objective** | | | | |
| *The design of this test deals with entering manually the polygon coordinates.* | | | | |
| **Inputs Specification** | | | | |
| NGEO-WEBC-VTC-0030 has already been fulfilled: a simple search has been formulated | | | | |
| **Outputs Specification** | | | | |
| None | | | | |
| **Environmental needs** | | | | |
| Same needs than *NGEO-WEBC-VTC-0030.* | | | | |
| **Constraints** | | | | |
|  | | | | |
| **Dependencies** | | | | |
| *NGEO-WEBC-VTC-0030* | | | | |
| **Pass/Fail Criteria** | | | | |
| *NGEO-WEBC-PFC-0228* | | A manual polygon is used as zone of interest. | | |
| *NGEO-WEBC-PFC-0229* | | Invalid polygon coordinates are removed from the text input and are not used as zone of interest. | | |

### NGEO-WEBC-VTC-0230: Export

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***NGEO VALIDATION TEST CASE*** | | | | |
| **Test Identifier** | *NGEO-WEBC-VTC-0230* | | **Test Title** | *Export* |
| **Description and Objective** | | | | |
| *The design of this test deals with export of KML and other shape formats for products.* | | | | |
| **Inputs Specification** | | | | |
| NGEO-WEBC-VTC-0040 has already been fulfilled: a simple search has been formulated and results are displayed in a table. | | | | |
| **Outputs Specification** | | | | |
| None | | | | |
| **Environmental needs** | | | | |
| Same needs than *NGEO-WEBC-VTC-0040.* | | | | |
| **Constraints** | | | | |
|  | | | | |
| **Dependencies** | | | | |
| *NGEO-WEBC-VTC-0040* | | | | |
| **Pass/Fail Criteria** | | | | |
| *NGEO-WEBC-PFC-0230* | | Products are exported as KML. | | |

### NGEO-WEBC-VTC-0240: Time Slider Display

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***NGEO VALIDATION TEST CASE*** | | | | |
| **Test Identifier** | *NGEO-WEBC-VTC-0240* | | **Test Title** | *Time Slider Display* |
| **Description and Objective** | | | | |
| *The design of this test deals with the display of the time slider.* | | | | |
| **Inputs Specification** | | | | |
| NGEO-WEBC-VTC-0020 has already been fulfilled: a dataset has been selected. | | | | |
| **Outputs Specification** | | | | |
| None | | | | |
| **Environmental needs** | | | | |
| Same needs than *NGEO-WEBC-VTC-0020.* | | | | |
| **Constraints** | | | | |
|  | | | | |
| **Dependencies** | | | | |
| *NGEO-WEBC-VTC-0020* | | | | |
| **Pass/Fail Criteria** | | | | |
| *NGEO-WEBC-PFC-0240* | | The time slider is displayed | | |
| *NGEO-WEBC-PFC-0241* | | The time slider is removed | | |

### NGEO-WEBC-VTC-0243: Time Slider Depends on Dataset stop date

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***NGEO VALIDATION TEST CASE*** | | | | |
| **Test Identifier** | *NGEO-WEBC-VTC-0243* | | **Test Title** | *Time Slider Depends on dataset stop date* |
| **Description and Objective** | | | | |
| *The design of this test deals with thedependency between the time slider stop date and the selected dataset.* | | | | |
| **Inputs Specification** | | | | |
| NGEO-WEBC-VTC-0020 has already been fulfilled: a dataset has been selected. | | | | |
| **Outputs Specification** | | | | |
| None | | | | |
| **Environmental needs** | | | | |
| Same needs than *NGEO-WEBC-VTC-0020.* | | | | |
| **Constraints** | | | | |
|  | | | | |
| **Dependencies** | | | | |
| *NGEO-WEBC-VTC-0020* | | | | |
| **Pass/Fail Criteria** | | | | |
| *NGEO-WEBC-PFC-0243* | | The time slider end range depends on the dataset stop date | | |

### NGEO-WEBC-VTC-0245: Search with Time Slider

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***NGEO VALIDATION TEST CASE*** | | | | |
| **Test Identifier** | *NGEO-WEBC-VTC-0245* | | **Test Title** | *Search with Time Slider* |
| **Description and Objective** | | | | |
| *The design of this test deals with making a search with the time slider.* | | | | |
| **Inputs Specification** | | | | |
| NGEO-WEBC-VTC-0020 has already been fulfilled: a dataset has been selected. | | | | |
| **Outputs Specification** | | | | |
| None | | | | |
| **Environmental needs** | | | | |
| Same needs than *NGEO-WEBC-VTC-0020.* | | | | |
| **Constraints** | | | | |
|  | | | | |
| **Dependencies** | | | | |
| *NGEO-WEBC-VTC-0020* | | | | |
| **Pass/Fail Criteria** | | | | |
| *NGEO-WEBC-PFC-0245* | | Search with bar moving | | |
| *NGEO-WEBC-PFC-0246* | | Search with right handle moving | | |
| *NGEO-WEBC-PFC-0247* | | Search with left handle moving | | |
| *NGEO-WEBC-PFC-0248* | | Search with right arrow clicking | | |
| *NGEO-WEBC-PFC-0249* | | Search with left arrow clicking | | |

### NGEO-WEBC-VTC-0250: User Preferences

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***NGEO VALIDATION TEST CASE*** | | | | |
| **Test Identifier** | *NGEO-WEBC-VTC-0250* | | **Test Title** | *User Preferences* |
| **Description and Objective** | | | | |
| *The design of this test deals with the storage of the user preferences.* | | | | |
| **Inputs Specification** | | | | |
| NGEO-WEBC-VTC-0010 has already been fulfilled. | | | | |
| **Outputs Specification** | | | | |
| None | | | | |
| **Environmental needs** | | | | |
| Same needs than *NGEO-WEBC-VTC-0010.* | | | | |
| **Constraints** | | | | |
| The user preferences are not cross-browser compatible. | | | | |
| **Dependencies** | | | | |
| *NGEO-WEBC-VTC-0010* | | | | |
| **Pass/Fail Criteria** | | | | |
| *NGEO-WEBC-PFC-0250* | | The selected dataset is stored in the preferences. | | |
| *NGEO-WEBC-PFC-0251* | | The selected background layer is stored in the preferences. | | |
| *NGEO-WEBC-PFC-0252* | | The user preferences are loaded when the application is relaunched. | | |

### NGEO-WEBC-VTC-0260: Inquiries

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***NGEO VALIDATION TEST CASE*** | | | | |
| **Test Identifier** | *NGEO-WEBC-VTC-0260* | | **Test Title** | *Inquiries* |
| **Description and Objective** | | | | |
| *The design of this test deals with the support of inquiries.* | | | | |
| **Inputs Specification** | | | | |
| NGEO-WEBC-VTC-0010 has already been fulfilled. | | | | |
| **Outputs Specification** | | | | |
| None | | | | |
| **Environmental needs** | | | | |
| Same needs than *NGEO-WEBC-VTC-0010.* | | | | |
| **Constraints** | | | | |
|  | | | | |
| **Dependencies** | | | | |
| *NGEO-WEBC-VTC-0010* | | | | |
| **Pass/Fail Criteria** | | | | |
| *NGEO-WEBC-PFC-0260* | | The user can select the inquiry type | | |
| *NGEO-WEBC-PFC-0261* | | The user can enter the inquiry message | | |
| *NGEO-WEBC-PFC-0262* | | The user can submit the inquiry. | | |

### NGEO-WEBC-VTC-0270: Shopcart Management

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***NGEO VALIDATION TEST CASE*** | | | | |
| **Test Identifier** | *NGEO-WEBC-VTC-0270* | | **Test Title** | *Shopcart Management* |
| **Description and Objective** | | | | |
| *The design of this test deals with the support of users’ shopcarts management in My Account.* | | | | |
| **Inputs Specification** | | | | |
| NGEO-WEBC-VTC-0010 has already been fulfilled. | | | | |
| **Outputs Specification** | | | | |
| None | | | | |
| **Environmental needs** | | | | |
| Same needs than *NGEO-WEBC-VTC-0010.* | | | | |
| **Constraints** | | | | |
|  | | | | |
| **Dependencies** | | | | |
| *NGEO-WEBC-VTC-0010* | | | | |
| **Pass/Fail Criteria** | | | | |
| *NGEO-WEBC-PFC-0270* | | The user can visualize the available user’s shopcarts | | |
| *NGEO-WEBC-PFC-0271* | | The user can create a new shopcart | | |
| *NGEO-WEBC-PFC-0274* | | The user can share a shopcart | | |
| *NGEO-WEBC-PFC-0275* | | The user can export a shopcart | | |
| *NGEO-WEBC-PFC-0276* | | The user can rename a shopcart | | |
| *NGEO-WEBC-PFC-0277* | | The user can duplicate a shopcart | | |
| *NGEO-WEBC-PFC-0278* | | The user can delete a shopcart | | |
| *NGEO-WEBC-PFC-0279* | | The user can select the current shopcart | | |
| *NGEO-WEBC-PFC-0272* | | 100 shopcarts are managed | | |

### NGEO-WEBC-VTC-0280: Shopcart as Data Access Service

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***NGEO VALIDATION TEST CASE*** | | | | |
| **Test Identifier** | *NGEO-WEBC-VTC-0280* | | **Test Title** | *Shopcart as Data Access Service* |
| **Description and Objective** | | | | |
| *The design of this test deals with the support of shopcart in the data access services area.* | | | | |
| **Inputs Specification** | | | | |
| NGEO-WEBC-VTC-0010 has already been fulfilled. | | | | |
| **Outputs Specification** | | | | |
| None | | | | |
| **Environmental needs** | | | | |
| Same needs than *NGEO-WEBC-VTC-0010.* | | | | |
| **Constraints** | | | | |
|  | | | | |
| **Dependencies** | | | | |
| *NGEO-WEBC-VTC-0010* | | | | |
| **Pass/Fail Criteria** | | | | |
| *NGEO-WEBC-PFC-0280* | | The user can add new items to the current shopcart from search results. | | |
| *NGEO-WEBC-PFC-0282* | | The user can visualize the current shopcart content. | | |
| *NGEO-WEBC-PFC-0283* | | The user can delete items from the current shopcart. | | |
| *NGEO-WEBC-PFC-0284* | | The user can display the footprints of the current shopcart on the map as a layer. | | |
| *NGEO-WEBC-PFC-0285* | | The user can export a shopcart | | |
| *NGEO-WEBC-PFC-0286* | | Planned products cannot be added to a shopcart | | |

### NGEO-WEBC-VTC-0290: Dataset Authorization

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***NGEO VALIDATION TEST CASE*** | | | | |
| **Test Identifier** | *NGEO-WEBC-VTC-0290* | | **Test Title** | *Dataset Authorization* |
| **Description and Objective** | | | | |
| *The design of this test deals with the management of authorization on datasets.* | | | | |
| **Inputs Specification** | | | | |
| NGEO-WEBC-VTC-0010 has already been fulfilled. | | | | |
| **Outputs Specification** | | | | |
| None | | | | |
| **Environmental needs** | | | | |
| Same needs than *NGEO-WEBC-VTC-0010.* | | | | |
| **Constraints** | | | | |
|  | | | | |
| **Dependencies** | | | | |
| *NGEO-WEBC-VTC-0030* | | | | |
| **Pass/Fail Criteria** | | | | |
| *NGEO-WEBC-PFC-0290* | | Display only dataset with search authorization | | |
| *NGEO-WEBC-PFC-0291* | | Message information when no browse authorization | | |
| *NGEO-WEBC-PFC-0292* | | Message information when no download authorization on data access request | | |
| *NGEO-WEBC-PFC-0293* | | Message information when no download authorization on direct download | | |
| *NGEO-WEBC-PFC-0294* | | Message information when no download authorization on standing order | | |
| *NGEO-WEBC-PFC-0295* | | Show user permission to search/download/view on datasets | | |

### NGEO-WEBC-VTC-0300: Multiple dataset search

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***NGEO VALIDATION TEST CASE*** | | | | |
| **Test Identifier** | *NGEO-WEBC-VTC-0300* | | **Test Title** | *Mutliple Dataset Search* |
| **Description and Objective** | | | | |
| *The user should be able to select multiple dataset for a search, and the search criteria parameters are updated to take into account the multiple datasets.* | | | | |
| **Inputs Specification** | | | | |
| NGEO-WEBC-VTC-0010 has already been fulfilled. | | | | |
| **Outputs Specification** | | | | |
| None | | | | |
| **Environmental needs** | | | | |
| Same needs than *NGEO-WEBC-VTC-0010.* | | | | |
| **Constraints** | | | | |
|  | | | | |
| **Dependencies** | | | | |
| *NGEO-WEBC-VTC-0030* | | | | |
| **Pass/Fail Criteria** | | | | |
| *NGEO-WEBC-PFC-0300* | | User can select multiple datasets | | |
| *NGEO-WEBC-PFC-0305* | | Advanced and Download options are updated in search | | |
| *NGEO-WEBC-PFC-0307* | | Multiple search are launched | | |

### NGEO-WEBC-VTC-0310: Interferometry

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***NGEO VALIDATION TEST CASE*** | | | | |
| **Test Identifier** | *NGEO-WEBC-VTC-0310* | | **Test Title** | *Interferometry* |
| **Description and Objective** | | | | |
| *The user should be able to select two datasets for an interferoemtry search.* | | | | |
| **Inputs Specification** | | | | |
| NGEO-WEBC-VTC-0010 has already been fulfilled. | | | | |
| **Outputs Specification** | | | | |
| None | | | | |
| **Environmental needs** | | | | |
| Same needs than *NGEO-WEBC-VTC-0010.* | | | | |
| **Constraints** | | | | |
|  | | | | |
| **Dependencies** | | | | |
| *NGEO-WEBC-VTC-0030* | | | | |
| **Pass/Fail Criteria** | | | | |
| *NGEO-WEBC-PFC-0310* | | Selects two datasets for an interferometry search | | |
| *NGEO-WEBC-PFC-0311* | | Set the master dataset | | |
| *NGEO-WEBC-PFC-0311* | | Set interferometry parameters | | |
| *NGEO-WEBC-PFC-0312* | | Interferometry results are grouped | | |

### NGEO-WEBC-VTC-0315: Interferometry support

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***NGEO VALIDATION TEST CASE*** | | | | |
| **Test Identifier** | *NGEO-WEBC-VTC-0315* | | **Test Title** | *Interferometry support* |
| **Description and Objective** | | | | |
| *The user can select interferometry search only if datasets support it.* | | | | |
| **Inputs Specification** | | | | |
| NGEO-WEBC-VTC-0010 has already been fulfilled. | | | | |
| **Outputs Specification** | | | | |
| None | | | | |
| **Environmental needs** | | | | |
| Same needs than *NGEO-WEBC-VTC-0010.* | | | | |
| **Constraints** | | | | |
|  | | | | |
| **Dependencies** | | | | |
| *NGEO-WEBC-VTC-0030* | | | | |
| **Pass/Fail Criteria** | | | | |
| *NGEO-WEBC-PFC-0315* | | Interferometry search cannot be selected if the two dataset do not support interferometry | | |

### NGEO-WEBC-VTC-0320: Hosted Processing

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***NGEO VALIDATION TEST CASE*** | | | | |
| **Test Identifier** | *NGEO-WEBC-VTC-0320* | | **Test Title** | *Hosted Processing* |
| **Description and Objective** | | | | |
| *This test shall insure that user can select and configure hosted processing for a data access request and hosted processing is available for standing order and product download* | | | | |
| **Inputs Specification** | | | | |
| NGEO-WEBC-VTC-0010 has already been fulfilled. | | | | |
| **Outputs Specification** | | | | |
| None | | | | |
| **Environmental needs** | | | | |
| Same needs than *NGEO-WEBC-VTC-0010.* | | | | |
| **Constraints** | | | | |
|  | | | | |
| **Dependencies** | | | | |
| *NGEO-WEBC-VTC-0030* | | | | |
| **Pass/Fail Criteria** | | | | |
| *NGEO-WEBC-PFC-0320* | | Select an hosted processing with standing order | | |
| *NGEO-WEBC-PFC-0325* | | Configure a selected hosted processing | | |
| *NGEO-WEBC-PFC-0327* | | Hosted processing to download product | | |

### NGEO-WEBC-VTC-0330: Gantt chart

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***NGEO VALIDATION TEST CASE*** | | | | |
| **Test Identifier** | *NGEO-WEBC-VTC-0330* | | **Test Title** | *Hosted Processing* |
| **Description and Objective** | | | | |
| *This test shall insure that user can display results in a gantt chart, zoomable on the time axis.* | | | | |
| **Inputs Specification** | | | | |
| NGEO-WEBC-VTC-0010 has already been fulfilled. | | | | |
| **Outputs Specification** | | | | |
| None | | | | |
| **Environmental needs** | | | | |
| Same needs than *NGEO-WEBC-VTC-0010.* | | | | |
| **Constraints** | | | | |
|  | | | | |
| **Dependencies** | | | | |
| *NGEO-WEBC-VTC-0030* | | | | |
| **Pass/Fail Criteria** | | | | |
| *NGEO-WEBC-PFC-0330* | | Results are displayed in a gantt chart | | |
| *NGEO-WEBC-PFC-0331* | | All results are displayable using scroll bar | | |
| *NGEO-WEBC-PFC-0332* | | Gantt chart is zoomable on time axis | | |

## Software Validation Test Procedures

### General

This section provides the Test Procedures aiming to validate the ngEO Web Client sub-system. For the identification of the Test Procedures the following naming convention shall apply:

NGEO-WEBC-VTP<TP\_nnnn> : <Title>

* <TP\_nnnn>: 4 digits number (generally having a stepping interval of 10)
* <Title> Title of the Test Procedure

### NGEO-WEBC-VTP-0010: Installation of Web Client

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***NGEO VALIDATION TEST PROCEDURE*** | | | | | | |
| **Test Identifier** | | *NGEO-WEBC-VTP-0010* | **Test Title** | | *Installation of Web Client* | |
| **Test Procedure Objective** | | | | | | |
| This test procedure implements the installation part for the following test case NGEO-WEBC-VTC-0010: Installation of Web Client and home page check. | | | | | | |
| **Script** | | | | | | |
| None | | | | | | |
| **Step** | **Action** | | | **Expected output** | | **Pass/Fail Criteria Id** |
| *Step-10* | See IOM procedure ([AD.3]) to install the Web Client and the Web Client test server | | |  | |  |
| *Step-20* | See IOM procedure ([AD.3]) to start the the Web Client test server | | |  | | *NGEO-WEBC-PFC-0010* |

### NGEO-WEBC-VTP-0015: Home page check

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***NGEO VALIDATION TEST PROCEDURE*** | | | | | | |
| **Test Identifier** | | *NGEO-WEBC-VTP-0015* | **Test Title** | | *Home page check* | |
| **Test Procedure Objective** | | | | | | |
| This test procedure implements the home page for the following test case NGEO-WEBC-VTC-0010: Installation of Web Client and home page check. | | | | | | |
| **Script** | | | | | | |
| None | | | | | | |
| **Step** | **Action** | | | **Expected output** | | **Pass/Fail Criteria Id** |
| *Step-10* | Load the web application in the browser | | | Check loading takes less than 3 seconds. The Home page is displayed with a brief presentation of ngEO. | | *NGEO-WEBC-PFC-0015* |
| *Step-20* | Click on ‘Data Services Area’ menu entry in the toolbar. | | | The Data services area is displayed | |  |
| *Step-30* | Click on the ‘Datasets’ button in the toolbar and select a dataset to activate the search button. | | | The datasets widget is opened and the search button is activated. | | *NGEO-WEBC-PFC-0016* |
| *Step-40* | Click on the search button in the toolbar to open the search widget | | | A widget should open. | | *NGEO-WEBC-PFC-0016* |
| *Step 50* | Click on the My Account menu | | | A My Account page should open | | *NGEO-WEBC-PFC-0016* |
| *Step-60* | Click on Data Services Area menu and check the background is a map centred at (0,0) | | |  | | *NGEO-WEBC-PFC-0017* |

### NGEO-WEBC-VTP-0020: Dataset selection

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***NGEO VALIDATION TEST PROCEDURE*** | | | | | | |
| **Test Identifier** | | *NGEO-WEBC-VTP-0020* | **Test Title** | | *Dataset selection on the Web Client* | |
| **Test Procedure Objective** | | | | | | |
| This test procedure implements the following test case NGEO-WEBC-VTC-0020: Dataset selection on the Web Client | | | | | | |
| **Script** | | | | | | |
| None | | | | | | |
| **Step** | **Action** | | | **Expected output** | | **Pass/Fail Criteria Id** |
| *Step-10* | On the left toolbar, click on the “Datasets” button icon | | | The datasets widget is opened and the datasets available are displayed in a list. | |  |
| *Step-20* | Tick the ND\_OPT\_1 dataset to select it | | | The ND\_OPT\_1 dataset is selected | |  |
| *Step-30* | Check the selected dataset is shown as text | | | The selected dataset is shown in the bottom left corner. | | *NGEO-WEBC-PFC-0020* |
| *Step-40* | Use the scroll bar to go to the end of the list | | | Count that there is 1000 datasets displayed | | *NGEO-WEBC-PFC-0021* |
| *Step-50* | Click on ND\_OPT\_1 dataset (outside the checkbox) | | | There will be a popup that will be raised displaying “All L1 products for the S1 mission” | | *NGEO-WEBC-PFC-0022* |

### NGEO-WEBC-VTP-0030: Simple Search Formulation

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***NGEO VALIDATION TEST PROCEDURE*** | | | | | | |
| **Test Identifier** | | *NGEO-WEBC-VTP-0030* | **Test Title** | | *Simple Search Formulation* | |
|  | | | | | | |
| This test procedure implements the following test case NGEO-WEBC-VTC-0030: Simple Search Formulation | | | | | | |
| **Script** | | | | | | |
| None | | | | | | |
| **Step** | **Action** | | | **Expected output** | | **Pass/Fail Criteria Id** |
| *Step-10* | Repeat Steps from NGEO-WEBC-VTP-0020 | | |  | |  |
| *Step-20* | Move to a location enclosing South of England and north of France on the map, using zoom and/or mouse move | | | The chosen location is displayed. | |  |
| *Step-30* | On the left toolbar, click on the “Search” button icon | | | The search widget is opened. | |  |
| *Step-40* | Set the start date to 2010-05-01 and end date to 2011-09-05 using the calendar widget. If the checkbox “Use Time Slider” is checked, uncheck it to enable the use of date widgets. | | | The chosen dates are displayed. | | *NGEO-WEBC-PFC-0030* |
| *Step-41* | If the checkbox “Use Time Slider” is checked, uncheck it to enable the use of date widgets.  Then select key dates. | | | The chosen key dates are displayed and can be selected. Notice that key dates outside the start date and end date of the selected dataset are not displayed. | | *NGEO-WEBC-PFC-0032* |
| *Step-50* | Click on the Area tab | | | The bounding box is actually the current map extent. | | *NGEO-WEBC-PFC-0035* |
| *Step-60* | Unselect the “Use map extent” checkbox | | | The input to enter the bounding box is enabled | |  |
| *Step-70* | Enter the following coordinates in the input :  West : -180  South:-90  East:180  North:90 | | | All inputs are property updated. | |  |
| *Step-80* | Enter the following coordinates in the West input: 1000 and press the “Tab” keyboard. | | | The west input is reset to its previous value since 1000 is not a valid longitude | | *NGEO-WEBC-PFC-0031* |
| *Step-90* | Enter the following coordinates in the West input: abcf and press the “Tab” keyboard. | | | The west input is reset to its previous value since abcf is not a valid longitude | | *NGEO-WEBC-PFC-0031* |
| *Step-100* | Repeat steps Step-80 to Step-90 with East input | | | The same results as for the above steps are found | | *NGEO-WEBC-PFC-0031* |
| *Step-110* | Enter the following coordinates in the South input: abcf and press the “Tab” keyboard. | | | The South input is reset to its previous value since abcf is not a valid latitude | | *NGEO-WEBC-PFC-0031* |
| *Step-120* | Enter the following coordinates in the South input: 93 and press the “Tab” keyboard. | | | The South input is reset to its previous value since 93 is not a valid latitude | | *NGEO-WEBC-PFC-0031* |
| *Step-130* | Repeat steps Step-110 to Step-120 with North input | | | The same results as for the above steps are found | | *NGEO-WEBC-PFC-0031* |

### NGEO-WEBC-VTP-0040: Search results in a table

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***NGEO VALIDATION TEST PROCEDURE*** | | | | | | |
| **Test Identifier** | | *NGEO-WEBC-VTP-0040* | **Test Title** | | *Search Results in a Table* | |
|  | | | | | | |
| This test procedure implements the following test case NGEO-WEBC-VTC-0040: Search Results in a Table. | | | | | | |
| **Script** | | | | | | |
| None | | | | | | |
| **Step** | **Action** | | | **Expected output** | | **Pass/Fail Criteria Id** |
| *Step-10* | Repeat Steps 10 to 70 from NGEO-WEBC-VTP-0030 | | | The search widget is opened. | |  |
| *Step-20* | Press the Search button | | | Footprints appear on the map. A message “Showing 1 to 100 of 365 products” appears on the bottom right. | |  |
| *Step-30* | On the status bar, click on the “Table” button | | | A widget should open with results presented in a table. | | *NGEO-WEBC-PFC-0040* |
| *Step-40* | Press the ‘next’ button on the status bar. | | | New results should be displayed. The message is updated with the message “Showing 101 to 200 of 365 products” | | *NGEO-WEBC-PFC-0041* |
| *Step-50* | Click on “Mission” in the header table | | | The results rows are sorted in an ascending order according to the Mission column value. A down arrow appears. | | *NGEO-WEBC-PFC-0042* |
| *Step-60* | Click again on “Mission” in the header table | | | The results rows are sorted in a descending order according to the Mission column value. A up arrow appears | | *NGEO-WEBC-PFC-0043* |

### NGEO-WEBC-VTP-0045: Search results Table Columns are Configurable

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***NGEO VALIDATION TEST PROCEDURE*** | | | | | | |
| **Test Identifier** | | *NGEO-WEBC-VTP-0045* | **Test Title** | | *The Search Results table columns are configurable* | |
|  | | | | | | |
| This test procedure implements the following test case NGEO-WEBC-VTC-0040: Search Results in a Table. | | | | | | |
| **Script** | | | | | | |
| None | | | | | | |
| **Step** | **Action** | | | **Expected output** | | **Pass/Fail Criteria Id** |
| *Step-10* | On the server side, the service webClientConfigurationData does send the client json configuration. In this json remove from the resultsTable.  columnsDef table, the following block:  {“sTitle” : “Status”, “sContentPadding”: “mmm”, “mData” : “properties.EarthObservation.EarthObservationMetaData.eop\_status”} | | | The client configuration sent from the server is updated. | |  |
| *Step-20* | Restart the server and refresh the web client page. | | | The web client page is refreshed. | |  |
| *Step-30* | Repeat Steps from NGEO-WEBC-VTP-0030 | | | The search widget is opened. | |  |
| *Step-40* | Press the Apply button | | | Footprints appear on the map. A message “Showing 1 to 100 of 365 products” appears on the bottom right. | |  |
| *Step-50* | On the toolbar, click on the “Table view” button icon | | | A widget should open with results presented in a table. | | *NGEO-WEBC-PFC-0040* |
| *Step-60* | Check that the “status” column is no more a in the results table. | | | The “status” column has been removed from the table | | *NGEO-WEBC-PFC-0045* |
| *Step-70* | Do *Step-10* but this time by adding the following block to theresultsTable.  columnsDef table:  {“sTitle”: “QualityReportURL”, “sContentPadding”: “mmm”, “mData” : “properties.EarthObservation.EarthObservationMetaData. eop\_imageQualityReportURL”} | | |  | | *NGEO-WEBC-PFC-0045* |
| *Step-80* | Perfom the steps from step-20 to step-50 | | | A widget should open with results presented in a table. | |  |
| *Step-90* | Check that the “QualityReportURL” column is among the columns of the results table. | | | The “QualityReportURL” column is displayed as a column of the table | | *NGEO-WEBC-PFC-0045* |

### NGEO-WEBC-VTP-0050: Search results On the map

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***NGEO VALIDATION TEST PROCEDURE*** | | | | | | |
| **Test Identifier** | | *NGEO-WEBC-VTP-0050* | **Test Title** | | *Search Results on the map* | |
|  | | | | | | |
| This test procedure implements the following test case NGEO-WEBC-VTC-0050: Search Results on the Map. | | | | | | |
| **Script** | | | | | | |
| None | | | | | | |
| **Step** | **Action** | | | **Expected output** | | **Pass/Fail Criteria Id** |
| *Step-10* | Repeat Steps 10 to 70 from NGEO-WEBC-VTP-0030 | | | The search widget is opened. | |  |
| *Step-20* | Press the Search button | | | Footprints appear on the map. | | *NGEO-WEBC-PFC-0050* |
| *Step-30* | Click on the “Layers” button icon | | | The list of the layers available is displayed. The “Result Footprints” is displayed as layer | |  |
| *Step-40* | Toggle the “Result Footprints” checkbox | | | The footprints are displayed when the “Result Footprints” checkbox is checked and they are removed when the “Result Footprints” checkbox is unchecked. | | *NGEO-WEBC-PFC-0051* |

### NGEO-WEBC-VTP-0060: Browse visualization

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***NGEO VALIDATION TEST PROCEDURE*** | | | | | | |
| **Test Identifier** | | *NGEO-WEBC-VTP-0060* | **Test Title** | | *Browse Visualization* | |
|  | | | | | | |
| This test procedure implements the following test case NGEO-WEBC-VTC-0060: Browse Visualization. | | | | | | |
| **Script** | | | | | | |
| None | | | | | | |
| **Step** | **Action** | | | **Expected output** | | **Pass/Fail Criteria Id** |
| *Step-10* | On the toolbar, click on the “Datasets” button icon | | | The datasets widget is opened and the datasets available are displayed in a list. | |  |
| *Step-20* | Click on landsat dataset | | | The ND\_SAR\_1 dataset is selected | |  |
| *Step-30* | Move to a location enclosing Switzerland on the map, using zoom and/or mouse move | | | The chosen location is displayed. | |  |
| *Step-40* | On the toolbar, click on the “Search” button icon | | | The search widget is opened. | |  |
| *Step-50* | In date accordion, uncheck “Use Time Extent” and set the start date to be : 1991-09-30 and the stop date to : 1991-10-2 | | | The dates are set. | |  |
| *Step-60* | Press the “Search” button | | | Footprints appear on the map. | |  |
| *Step-70* | Click on a footprint in the map. | | | The footprint is highlighted and the map pop-up is spawn-up. The pop-up contains four buttons: the first one for information, the second one selecting the product, the third one for data access and the fourth one Adding to shopcart | |  |
| *Step-80* | Inside the map popup, click on the checkbox button “select product”. | | | The footprint is selected and the browse layer is displayed on the map at the location of the footprint. | | *NGEO-WEBC-PFC-0060* |
| *Step-90* | Click on “Background” to change the map background, and then choose “OSM (TPZFr)” | | | The browse layer should be displayed on the map as above. | | *NGEO-WEBC-PFC-0061* |
| *Step-100* | Click on “2D/3D” to switch the map mode. | | | The browse layer shall also be displayed in the new mode at the same location. | | *NGEO-WEBC-PFC-0062* |
| *Step-110* | Click on “2D/3D” to switch back to 2D. | | |  | |  |

### NGEO-WEBC-VTP-0070: Filtered dataset selection

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***NGEO VALIDATION TEST PROCEDURE*** | | | | | | |
| **Test Identifier** | | *NGEO-WEBC-VTP-0070* | **Test Title** | | *Filtered Dataset Selection* | |
|  | | | | | | |
| This test procedure implements the following test case NGEO-WEBC-VTC-0070: Filtered Dataset Selection. | | | | | | |
| **Script** | | | | | | |
| None | | | | | | |
| **Step** | **Action** | | | **Expected output** | | **Pass/Fail Criteria Id** |
| *Step-10* | Launch the web client using the url : <http://localhost:3000/client> | | | The web client page is displayed. | |  |
| *Step-20* | On the toolbar, click on the “Datasets” button icon | | | The datasets widget is opened and the datasets available are displayed in a list. | |  |
| *Step-30* | Click on “Mission” menu to select “S1”. | | | Only ND\_SAR\_1 and LD\_SENTINEL\_1 are displayed. | | *NGEO-WEBC-PFC-0070* |
| *Step-40* | Click on “Mission” menu to select “None”. Click on “Sensor” menu to select “OPT”. | | | Only ND\_S2\_1 and  LD\_SENTINEL\_1 are displayed. | | *NGEO-WEBC-PFC-0071* |
| *Step-50* | Click on “Sensor” menu to select “None. Use the “Keyword” menu to select “interferometry”. | | | Only ND\_SAR\_1 is displayed. The population count is 8. | | *NGEO-WEBC-PFC-0072* |
| *Step-60* | Click on “Keyword” menu to select “None. | | | ND\_SAR\_1 is displayed. The population count is now 15. | | *NGEO-WEBC-PFC-0075* |
| *Step-70* | Enter “sen” in the search text field | | | 6 datasets are displayed, containing SEN in their name. | | *NGEO-WEBC-PFC-0073* |

### NGEO-WEBC-VTP-0080: Searching with a url

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***NGEO VALIDATION TEST PROCEDURE*** | | | | | | |
| **Test Identifier** | | *NGEO-WEBC-VTP-0080* | **Test Title** | | *Searching with a url* | |
|  | | | | | | |
| This test procedure implements the following test case NGEO-WEBC-VTC-0080: Searching with a url. | | | | | | |
| **Script** | | | | | | |
| None | | | | | | |
| **Step** | **Action** | | | **Expected output** | | **Pass/Fail Criteria Id** |
| *Step-10* | Repeat Steps 10 to 70 from NGEO-WEBC-VTP-0030 | | | The search widget is opened. | |  |
| *Step-20* | Click on the “OpenSearch URL” collapsible | | | A text box is displaying the OpenSearch url | |  |
| *Step-30* | Select the URL and Copy it | | |  | |  |
| *Step-40* | Paste the search URL in another browser tab. | | | The search results are returned | |  |
| *Step-50* | Check that the result is returned in GeoJSON format | | |  | | *NGEO-WEBC-PFC-0080* |
| *Step-60* | Repeat steps Step-10 and Step-20 | | |  | |  |
| *Step-70* | Enter the following openSearch url : [http://localhost:3000/ngeo/catalogue/ND\_SAR\_1/search?start=2010-05-15T00:00:00.000Z&stop=2010-09-17T23:59:59.999Z&bbox=-16.171875,31.9921875,21.4453125,58.359375&format=json](http://localhost:3000/ngeo/catalogueSearch/ND_SAR_1?start=2010-05-15T00:00:00.000Z&stop=2010-09-17T23:59:59.999Z&bbox=-16.171875,31.9921875,21.4453125,58.359375&format=json) | | |  | |  |
| *Step-80* | Click on the Search button | | | The search is launched with the openSearch URL. 7 products are returned, located north of France, south of England (and in worldwide). | | *NGEO-WEBC-PFC-0081* |

### NGEO-WEBC-VTP-0090: Map background

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***NGEO VALIDATION TEST PROCEDURE*** | | | | | | |
| **Test Identifier** | | *NGEO-WEBC-VTP-0090* | **Test Title** | | *Map background* | |
|  | | | | | | |
| This test procedure implements the following test case NGEO-WEBC-VTC-0090: Map background. | | | | | | |
| **Script** | | | | | | |
| None | | | | | | |
| **Step** | **Action** | | | **Expected output** | | **Pass/Fail Criteria Id** |
| *Step-10* | Launch the web client using the url : <http://localhost:3000/client> | | | The web client page is displayed. | |  |
| *Step-20* | On the toolbar, click on the “Background” button icon | | | The background widget is opened and a list of available background is displayed. | |  |
| *Step-30* | Click on “OSM (TPZ-Fr)” | | | The background is changed | | *NGEO-WEBC-PFC-0090* |
| *Step-40* | Click on “2D/3D” button | | | The map is changed to 3D | |  |
| *Step-50* | Repeat Step-20 | | |  | |  |
| *Step-60* | Click on “BlueMarble (TPZ-Fr)” | | | Background is changed | | *NGEO-WEBC-PFC-0090* |

### NGEO-WEBC-VTP-0095: Map data layers

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***NGEO VALIDATION TEST PROCEDURE*** | | | | | | |
| **Test Identifier** | | *NGEO-WEBC-VTP-0095* | **Test Title** | | *Map data layers* | |
|  | | | | | | |
| This test procedure implements the following test case NGEO-WEBC-VTC-0095: Map data layers. | | | | | | |
| **Script** | | | | | | |
| None | | | | | | |
| **Step** | **Action** | | | **Expected output** | | **Pass/Fail Criteria Id** |
| *Step-10* | Repeat Steps from NGEO-WEBC-VTP-0060 | | | Footprints are displayed | |  |
| *Step-20* | On the toolbar, click on the “Layers” button icon | | | The layers widget is opened and a list of available layers is displayed. | |  |
| *Step-30* | Check “UGS RealTime Earthquakes” | | | Layer is displayed | | *NGEO-WEBC-PFC-0095* |
| *Step-40* | Uncheck the “Result Browses” layer | | | The projected browse is removed from the map. | |  |
| *Step-50* | Uncheck the “Result Footprints” layers | | | Footprints are no longer displayed. | |  |
| *Step-60* | Click on “2D/3D” button | | | The map is changed to 3D | |  |
| *Step-70* | Repeat Step-20 and Step-30 in 3D | | | Layer is displayed | | *NGEO-WEBC-PFC-0095* |
| *Step-80* | Repeat Step-40 and Step-50 in 3D | | | The footprint and the browse layer are displayed | | NGEO-WEBC-PFC-0095 |

### NGEO-WEBC-VTP-0100: Map navigation and selection

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***NGEO VALIDATION TEST PROCEDURE*** | | | | | | |
| **Test Identifier** | | *NGEO-WEBC-VTP-0100* | **Test Title** | | *Map navigation and selection* | |
|  | | | | | | |
| This test procedure implements the following test case NGEO-WEBC-VTC-0100: Map navigation and selection | | | | | | |
| **Script** | | | | | | |
| None | | | | | | |
| **Step** | **Action** | | | **Expected output** | | **Pass/Fail Criteria Id** |
| *Step-10* | Repeat Steps from NGEO-WEBC-VTP-0050 | | | The web client page is displayed and results are displayed on the map. | |  |
| *Step-20* | Double-click on a location in the map to zoom onto it | | | The map is zoomed to clicked location. | | *NGEO-WEBC-PFC-0100* |
| *Step-30* | Press the mouse left button and drag on the map. | | | The map is moved. | | *NGEO-WEBC-PFC-0100* |
| *Step-40* | Use the wheel mouse button to zoom | | | The map is zoomed. | | *NGEO-WEBC-PFC-0100* |
| *Step-50* | Click with left mouse button inside a product to select it. | | | A popup appears, the product color is changed | | *NGEO-WEBC-PFC-0104* |
| *Step-60* | Click on the checkbox button “select product” inside the map popup | | | The highlighted item is selected. The browse should be projected on the map | | *NGEO-WEBC-PFC-0105* |
| *Step-70* | Click with left mouse button inside a “stack” of products to select them. | | | A popup appears, all product colors are changed | | *NGEO-WEBC-PFC-0106* |
| *Step-80* | Click again to select the top items | | | The popup changes and the product colours are updated. | | *NGEO-WEBC-PFC-0106* |
| *Step-90* | Repeat step 70, to highlight one by one the items of the group | | | The popup changes and the products’ colour are updated. | | *NGEO-WEBC-PFC-0106* |
| *Step-100* | Repeat step 70 | | | A popup appears, all product colors are changed | | *NGEO-WEBC-PFC-0106* |
| *Step-110* | Click on the checkbox button “select product” inside the map popup | | | All the items are selected | | *NGEO-WEBC-PFC-0107* |
| *Step-120* | Click again on the checkbox button | | | All the items are highlighted | | *NGEO-WEBC-PFC-0106* |
| *Step-130* | Click on “Switch 2D/3D” button | | | The map is changed to 3D | |  |
| *Step-140* | Repeat Step-20 and Step-70 in 3D | | |  | |  |
| *Step-150* | Click with middle mouse button to tilt the view. | | | The view is tilted. | | *NGEO-WEBC-PFC-0100* |

### NGEO-WEBC-VTP-0110: Simple Data Access Request

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***NGEO VALIDATION TEST PROCEDURE*** | | | | | | |
| **Test Identifier** | | *NGEO-WEBC-VTP-0110* | **Test Title** | | *Simple data access request* | |
|  | | | | | | |
| This test procedure implements the following test case NGEO-WEBC-VTC-0110: Simple data access request | | | | | | |
| **Script** | | | | | | |
| None | | | | | | |
| **Step** | **Action** | | | **Expected output** | | **Pass/Fail Criteria Id** |
| *Step-10* | Repeat Steps from NGEO-WEBC-VTP-0040 | | | The search results table is displayed. | |  |
| *Step-20* | On the search results table widget, check the check boxes of the first 2 products for which the data access request is going to be created. | | | The products for which the data access request is going to be created are checked. | |  |
| *Step-30* | Click on “Retrieve Product” button | | | The download manager‘s widget is displayed, listing the available download managers.  The message “SelectedProducts : 2” is displayed | | *NGEO-WEBC-PFC-0110* |
| *Step-40* | Click on the collapsible element to see how many items have been included in the data access request since only products having a url in their metadata are taken into account. | | | The message “All the selected items have been included in the request.” Is displayed. | |  |
| *Step-50* | Select “TPZ Limited Main DM2” download manager from the list. | | | The chosen download manager is selected. | |  |
| *Step-60* | Enter a the value “/home/test” for download directoy input. | | | The value is set. | |  |
| *Step-70* | Click on the “Validate” button in order to post a data access request to the server for validation. | | | The download manager list is disabled.  The message “Request Acknowledged” is displayed underneath the “Confirm” button.  The expected size of the download is also displayed. | | *NGEO-WEBC-PFC-0111* |
| *Step-80* | Click on the “Confirm” button in order to confirm the data access request creation. | | | The message “Request in Progress…” is displayed underneath the “Confirm” button which is disabled.  If the server has sent a message, it is displayed after the above message.  The “Confirm” button is disabled. | | *NGEO-WEBC-PFC-0112* |
| *Step-90* | Click on the close button of download manager’s widget to return back to the results table. | | | The result’s table is displayed. | |  |
| *Step-100* | On the search results table widget, check the check boxes of the first 2 products, the fifth and the seventh products in the list for which the data access request is going to be created. | | | The products for which the data access request is going to be created are checked. | |  |
| *Step-110* | Repeat Step 30 to 50 | | |  | |  |
| *Step-120* | Click on input “download directory”. The suggestion “/home/test” from previous steps is presented. | | | Previous directories are suggested to users. | | *NGEO-WEBC-PFC-0114* |
| *Step-130* | Select another download manager. Then click on input “download directory”. | | | No suggestion are given for this download manager | | *NGEO-WEBC-PFC-0114* |
| *Step-140* | Click on the “Validate” button in order to post a data access request to the server for validation. | | | The download manager list is disabled.  The message “Request Acknowledged” is displayed underneath the “Confirm”button.  The expected size of the download is also displayed.  A warning message is shown because the total size is above a configurable limit. | | *NGEO-WEBC-PFC-0113* |
| *Step-150* | Click on the “Confirm” button | | | The request is submitted to the server. | |  |

### NGEO-WEBC-VTP-0115: Simple Data Access Request: No Download Manager Registred

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***NGEO VALIDATION TEST PROCEDURE*** | | | | | | |
| **Test Identifier** | | *NGEO-WEBC-VTP-0115* | **Test Title** | | *Simple data access request: no download manager already registered* | |
|  | | | | | | |
| This test procedure implements the following test case NGEO-WEBC-VTC-0110: Simple data access request | | | | | | |
| **Script** | | | | | | |
| None | | | | | | |
| **Step** | **Action** | | | **Expected output** | | **Pass/Fail Criteria Id** |
| *Step-10* | Open a new tab in the browser with the URL <http://localhost:3000/ngeo/user/nodm> to change the current user to nodm. | | | User is nodm | |  |
| *Step-20* | Refresh the web client page. | | | The web client page is refreshed. | |  |
| *Step-30* | Repeat Steps from NGEO-WEBC-VTP-0040 | | | The search results table is displayed. | |  |
| *Step-40* | On the search results table widget, check the check boxes of the products for which the data access request is going to be created. | | | The products for which the data access request is going to be created are checked. | |  |
| *Step-50* | Click on “Retrieve Product” button | | | The download manager‘s widget displays no download manager but a link to install a new one. | | *NGEO-WEBC-PFC-0115* |
| *Step-60* | Click on the proposed link | | | The user is redirected to the page from which to install the download manager. | |  |
| *Step-70* | Open a new tab in the browser with the URL http://localhost:3000/ngeo/user/public to restore the default user. | | | User is public | |  |

### NGEO-WEBC-VTP-0120: Standing Order Data Access Request: Data Driven Request

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***NGEO VALIDATION TEST PROCEDURE*** | | | | | | |
| **Test Identifier** | | *NGEO-WEBC-VTP-0120* | **Test Title** | | *Standing Order data access request: data driven request* | |
|  | | | | | | |
| This test procedure implements the following test case NGEO-WEBC-VTC-0120: Standing Order data access request | | | | | | |
| **Script** | | | | | | |
| None | | | | | | |
| **Step** | **Action** | | | **Expected output** | | **Pass/Fail Criteria Id** |
| *Step-10* | On the left toolbar, click on “Datasets” and then select ND\_OPT\_1 | | |  | |  |
| *Step-20* | On the left toolbar click on “Subscribe” button | | | A panel is spawn with a Scehduling options accordion expanded containing:   * start and stop dates * two radio buttons to choose the standing order type, either time-driven or data–driven.   The data-driven type is already checked. | | *NGEO-WEBC-PFC-0120* |
| *Step-30* | Click on “Order” button | | | A pop-up is opened with a select box in order to choose the download manager. The first download manager is already selected. | | *NGEO-WEBC-PFC-0121* |
| *Step-40* | Click on “Validate” button | | | The validation request is sent to the server and the server response is received. The message “Request Acknowledged” is displayed underneath the “confirm” button. Followed by the server response message. For this test case, the message is” Standing order data Access Request validated”. | | *NGEO-WEBC-PFC-0122* |
| *Step-50* | Click on “Confirm” button | | | The confirmation standing order request is sent to the server. The server response is also received and the message “Request in Progress …” is displayed followed by the server response : “processing” | | *NGEO-WEBC-PFC-0123* |

### NGEO-WEBC-VTP-0125: Standing Order Data Access Request: Time Driven Request

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***NGEO VALIDATION TEST PROCEDURE*** | | | | | | |
| **Test Identifier** | | *NGEO-WEBC-VTP-0125* | **Test Title** | | *Standing Order data access request: Time-driven request* | |
|  | | | | | | |
| This test procedure implements the following test case NGEO-WEBC-VTC-0120: Standing Order data access request | | | | | | |
| **Script** | | | | | | |
| None | | | | | | |
| **Step** | **Action** | | | **Expected output** | | **Pass/Fail Criteria Id** |
| *Step-10* | On the left toolbar, click on “Datasets” and then select ND\_OPT\_1 | | |  | |  |
| *Step-20* | On the left toolbar click on “Subscribe” button | | | A panel is spawn with a Scehduling options accordion expanded containing:   * start and stop dates * two radio buttons to choose the standing order type, either time-driven or data–driven.   The data-driven type is already checked. | |  |
| *Step-30* | Click on the radio button “Time-driven Order” | | | The form of time-driven parameters is displayed with a widget for the shifting period and for applying shifting on search filter time period. | | *NGEO-WEBC-PFC-0125* |
| *Step-40* | Enter 15 in the number of days required in the Shifting period widget | | |  | |  |
| *Step-50* | Check the checkbox “Apply shifting to search filter time period” | | |  | |  |
| *Step-60* | Click on “Order” button | | | A pop-up is opened with a select box in order to choose the download manager. The first download manager is already selected. | | *NGEO-WEBC-PFC-0121* |
| *Step-70* | Click on “Validate” button | | | The validation request is sent to the server and the server response is received. The message “Request Acknowledged” is displayed underneath the “confirm” button. Followed by the server response message. For this test case, the message is” Standing order data Access Request validated”. | | *NGEO-WEBC-PFC-0122* |
| *Step-80* | Click on “Confirm” button | | | The confirmation standing order request is sent to the server. The server response is also received and the message “Request in Progress …” is displayed followed by the server response : “processing” | | *NGEO-WEBC-PFC-0123* |

### NGEO-WEBC-VTP-0130: Download Managers Monitoring

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***NGEO VALIDATION TEST PROCEDURE*** | | | | | | |
| **Test Identifier** | | *NGEO-WEBC-VTP-0130* | **Test Title** | | *Download Managers Monitoring* | |
|  | | | | | | |
| This test procedure implements the test case NGEO-WEBC-VTC-0130: Download Managers Monitoring | | | | | | |
| **Script** | | | | | | |
| None | | | | | | |
| **Step** | **Action** | | | **Expected output** | | **Pass/Fail Criteria Id** |
| *Step-10* | Launch the web client | | | The web client page is displayed. | |  |
| *Step-20* | On the toolbar, click on the “My account” button icon | | | A tabular view is displayed. The default selected tab is the “Download Managers” with a table of registered download managers.  For each download manager, the name, identifier, status, ip address and last access dates are displayed.  For an active download manager a circular green icon is displayed, for an inactive download manager a circular yellow icon is displayed, and for a stopped download manager a circular red icon is displayed.  A button to install “a new download manager” is displayed. | |  |
| *Step-30* | Click on an active download manager | | | The ‘Stop’ button is enabled. | |  |
| Step-40 | Click on the ‘Stop’ button. A dialog appears, click on No. | | | The Stop button is disabled. The status of the download manager is changed. | |  |
| Step-50 | Click on an inactive download manager | | | The ‘Stop’ button is enabled. | |  |
| Step-60 | Click on the ‘Stop’ button. A dialog appears, click on Yes. | | | The Stop button is disabled. The status of the download manager is changed. | | NGEO-WEBC-PFC-0130 |

### NGEO-WEBC-VTP-0131: Download Managers Monitoring When No Download Manager Registered

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***NGEO VALIDATION TEST PROCEDURE*** | | | | | | |
| **Test Identifier** | | *NGEO-WEBC-VTP-0131* | **Test Title** | | *Download Managers Monitoring when no download manager has been registered* | |
|  | | | | | | |
| This test procedure implements the test case NGEO-WEBC-VTC-0131: Download Managers Monitoring : No Downlaod Manager Registered | | | | | | |
| **Script** | | | | | | |
| None | | | | | | |
| **Step** | **Action** | | | **Expected output** | | **Pass/Fail Criteria Id** |
| *Step-10* | Open a new tab in the browser with the URL <http://localhost:3000/ngeo/user/nodm> to change the current user to nodm. | | | User is nodm | |  |
| *Step-20* | Launch the web client and on the toolbar, click on the “My account” button icon | | | A tabular view is displayed. The default selected tab is the “Download Managers”.  The view contains:  - The message “No Download manager has been registered. To install a new Download Manager click on the following buttons: ”  - and three buttons to Install a “Windows Download Manager”, “Linux Download Manager” or “MacOS Download Manager” | | *NGEO-WEBC-PFC-0131* |
| *Step-30* | Click on the button ‘Windows Download Manager’ | | | The installation page of the download manager is displayed. | |  |
| *Step-40* | Open a new tab in the browser with the URL http://localhost:3000/ngeo/user/public to restore the default user. | | | User is public | |  |

### NGEO-WEBC-VTP-0140: Data Access Requests Monitoring

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***NGEO VALIDATION TEST PROCEDURE*** | | | | | | |
| **Test Identifier** | | *NGEO-WEBC-VTP-0140* | **Test Title** | | *Data Access Requests Monitoring* | |
|  | | | | | | |
| This test procedure implements the test case NGEO-WEBC-VTC-0140: Data Access Requests Monitoring | | | | | | |
| **Script** | | | | | | |
| None | | | | | | |
| **Step** | **Action** | | | **Expected output** | | **Pass/Fail Criteria Id** |
| *Step-10* | Launch the web client | | | The web client page is displayed. | |  |
| *Step-20* | On the toolbar, click on the “My account” button icon | | | A tabular view is displayed. The default selected tab is the “Download Managers”. | |  |
| *Step-30* | Click on the tab “Data Access Requests” | | | The data access requests monitoring view is displayed. In the left side is displayed the list of download managers which are assigned to data access requests.  In the right side, is displayed the list of submitted data access requests. Each line in the list is a data access request.  The colored icon on the right side does match the status of the data access request.  - Processing status is represented by a circular green icon.  - Paused status is represented by a circular yellow icon.  - Cancelled status is represented by a circular red icon.  - Completed status is represented by a circular maroon icon. | |  |
| *Step-40* | Click on a processing data access request ie a data access request having a circular green icon: for exemple, choose the first of the list. | | | The data access request element is expanded showing the details of the data access request.  The button ‘Pause’ allows pausing the request, the button ‘Stop definitively’ allows cancelling the request. Both buttons are enabled. | |  |
| *Ste-50* | Click on the “Products” section to see the details of the embedded products | | | When products are already enclosed in the data access request: the following information is displayed: product url, status, %completion, the product expected size. If no products are available the sentence “No Products available” is displayed. | |  |
| *Step-60* | Click on the ‘Pause’ button | | | The request status is changed to paused, the status icon colour is changed to yellow and the pause button is renamed with ‘Resume’. | |  |
| *Step-70* | Click on the ‘Resume’ button | | | The request status is changed to processing, the status icon colour is changed to green and the pause button is renamed with ‘Pause’. | |  |
| *Step-80* | Click on the ‘Stop definitively’ button | | | The request status is changed to cancelled, the status icon colour is changed to red and the pause /stop definitively buttons are disabled. | | *NGEO-WEBC-PFC-0140* |

### NGEO-WEBC-VTP-0150: Direct Download

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***NGEO VALIDATION TEST PROCEDURE*** | | | | | | |
| **Test Identifier** | | *NGEO-WEBC-VTP-0150* | **Test Title** | | *Direct Download* | |
|  | | | | | | |
| This test procedure implements the test case NGEO-WEBC-VTC-0150: Direct Download | | | | | | |
| **Script** | | | | | | |
| None | | | | | | |
| **Step** | **Action** | | | **Expected output** | | **Pass/Fail Criteria Id** |
| *Step-10* | Launch the web client | | | The web client page is displayed. | |  |
| *Step-20* | Perform the steps of WEBC-VTP-0040 | | | Search results are displayed in the table.  In the “product” column, the underlined identifiers represent products supporting a direct download. | |  |
| *Step-30* | Click on the first underlined product identifier | | | The direct download widget is displayed with two options: ‘Browser download‘ and ‘Download Manager Download’ | |  |
| *Step-40* | Click on ‘Browser Download’ menu item | | | The browser is opened with the url of the clicked product. | |  |
| *Step-50* | Click on ‘Download Manager Download’ | | | The message ‘Click on the following button to start download’ is displayed’ with the download button | |  |
| *Step-60* | Click on the ‘Download’ button | | | The browser is opened with the url to be accessed, the url ends with ‘.ngeo’ | | *NGEO-WEBC-PFC-0150* |

### NGEO-WEBC-VTP-0160: Advanced Search Criteria

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***NGEO VALIDATION TEST PROCEDURE*** | | | | | | |
| **Test Identifier** | | *NGEO-WEBC-VTP-0160* | **Test Title** | | *Advanced Search Criteria* | |
|  | | | | | | |
| This test procedure implements the test case NGEO-WEBC-VTC-0160: Advanced Search Criteria | | | | | | |
| **Script** | | | | | | |
| None | | | | | | |
| **Step** | **Action** | | | **Expected output** | | **Pass/Fail Criteria Id** |
| *Step-10* | Repeat Steps from NGEO-WEBC-VTP-0020 | | |  | |  |
| *Step-20* | On the toolbar, click on the “Search” button icon | | | The search widget is opened. | |  |
| *Step-30* | Click on ‘Advanced’ tab | | | The advanced search criteria related to the selected dataset are displayed by suitable widgets (sliders for ranges, check boxes group for multiple valued criteria, select box for unique selection criterion with multiple possible values) | | *NGEO-WEBC-PFC-0160* |
| *Step-40* | Update the criteria displayed with these values :  - Pass: Ascending  - Orbit: from 33601 to 42000  - Track: from 211 to 226  - Status: Aquired  - Daynight Flag: night | | | The criteria values changed are now displayed | | *NGEO-WEBC-PFC-0161* |
| *Step-50* | Click on the “OpenSearch URL” collapsible button | | | The open search url is displayed with all search criteria and the changed values are taken into account | | *NGEO-WEBC-PFC-0162* |

### NGEO-WEBC-VTP-0165: Advanced Search Criteria updated with dataset changes

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***NGEO VALIDATION TEST PROCEDURE*** | | | | | | |
| *Test Identifier* | | *NGEO-WEBC-VTP-0165* | *Test Title* | | *Advanced Search Criteria updated with dataset changes* | |
|  | | | | | | |
| This test procedure implements the test case NGEO-WEBC-VTC-0160: Advanced Search Criteria updated with dataset changes | | | | | | |
| **Script** | | | | | | |
| None | | | | | | |
| **Step** | **Action** | | | **Expected output** | | **Pass/Fail Criteria Id** |
| *Step-10* | Perform the steps of WEBC-VTP-0160 | | | The open search url is displayed with all search criteria and the changed values are taken into account | | *NGEO-WEBC-PFC-0160*  *NGEO-WEBC-PFC-0161*  *NGEO-WEBC-PFC-0162* |
| *Step-20* | Open the “Datasets” widget by clicking on “Datasets” button in the toolbar | | | The datasets widget is opened and the datasets available are displayed in a list. | |  |
| *Step-30* | Click on ND\_SAR\_1 dataset and unclick on ND\_OPT\_1. | | | The selected dataset is highlighted | |  |
| *Step-40* | Perform the steps 20 to 50 of WEBC-VTP-0160 with these values for step 40:  - Satellite: Sentinel-1A  - Pass: Descending  - Orbit: from 28000 to 42000  - Track: from 300 to 250  - Status: Archived  - Daynight Flag: day | | | For steps 30 to 50 make sure that the search criteria values set for the first dataset has been reset and that the values of the new dataset are taken into account. | | *NGEO-WEBC-PFC-0165* |

### NGEO-WEBC-VTP-0170: Download options

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***NGEO VALIDATION TEST PROCEDURE*** | | | | | | |
| **Test Identifier** | | *NGEO-WEBC-VTP-0170* | **Test Title** | | *Download options* | |
|  | | | | | | |
| This test procedure implements the test case NGEO-WEBC-VTC-0170: Download options | | | | | | |
| **Script** | | | | | | |
| None | | | | | | |
| **Step** | **Action** | | | **Expected output** | | **Pass/Fail Criteria Id** |
| *Step-10* | Launch the web client | | | The web client page is displayed. | |  |
| *Step-20* | Open the “Datasets” widget by clicking on “Datasets” button in the left toolbar | | | The datasets widget is opened and the datasets available are displayed in a list. | |  |
| *Step-30* | Click on ND\_OPT\_1 dataset | | | The selected dataset is highlighted | |  |
| *Step-40* | On the left toolbar, click on the “Search” button icon | | | The search widget is opened. | |  |
| *Step-50* | Click on ‘Download Options’ collapsible button. | | | The Download options related to the selected dataset are displayed by select boxes. The default selected values are set to “None”. | | *NGEO-WEBC-PFC-0170* |
| *Step-60* | Update “Download mode” selection with the “Download continuously – sizeFactor: 1” option. | | | The option “Download continuously – Size factor :1” is displayed for “Download mode”. | | *NGEO-WEBC-PFC-0171* |
| *Step-70* | Click on the “OpenSearch URL” collapsible button | | | The open search url is displayed with the “&ngEO\_DO={ downloadMode : Dlcontinously }” appended to the search url . | | *NGEO-WEBC-PFC-0172* |

### NGEO-WEBC-VTP-0173: Download options update from results table

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***NGEO VALIDATION TEST PROCEDURE*** | | | | | | |
| **Test Identifier** | | *NGEO-WEBC-VTP-0173* | **Test Title** | | *Download options Update from Results Table* | |
|  | | | | | | |
| This test procedure implements the test case NGEO-WEBC-VTC-0173: Download options Update from Results’ Table. | | | | | | |
| **Script** | | | | | | |
| None | | | | | | |
| **Step** | **Action** | | | **Expected output** | | **Pass/Fail Criteria Id** |
| *Step-10* | Perform NGEO-WEBC-VTP-0040 steps | | | The search results are displayed in the table | |  |
| *Step-20* | Check more than one underlined product identifier: 215 & 262 for example. | | | The product rows are checked  And the ‘Download Options’ button underneath the table is enabled | |  |
| *Step-30* | Click on the ‘Download Options’ button | | | A widget is spawn-up displaying the download options by the means of select boxes. | |  |
| *Step-40* | Update “Download mode” selection with the “Download continuously” option | | | The selected values change. | |  |
| *Step-50* | Click on “Update” button in Download Options. | | | The message “Download options updated” is displayed underneath the button. | | *NGEO-WEBC-PFC-0173* |

### NGEO-WEBC-VTP-0175: Download options update with the selected dataset

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***NGEO VALIDATION TEST PROCEDURE*** | | | | | | |
| **Test Identifier** | | *NGEO-WEBC-VTP-0175* | **Test Title** | | *Download options update with the selected dataset* | |
|  | | | | | | |
| This test procedure implements the test case NGEO-WEBC-VTC-0175: Download options update with the selected Dataset | | | | | | |
| **Script** | | | | | | |
| None | | | | | | |
| **Step** | **Action** | | | **Expected output** | | **Pass/Fail Criteria Id** |
| *Step-10* | Perform the steps of WEBC-VTP-0170 | | | The open search url is displayed with all download options and the changed values are taken into account | | *NGEO-WEBC-PFC-0170*  *NGEO-WEBC-PFC-0171*  *NGEO-WEBC-PFC-0172* |
| *Step-20* | Open the “Datasets” widget by clicking on “Datasets” button in the toolbar | | | The datasets widget is opened and the datasets available are displayed in a list. | |  |
| *Step-30* | Click on dataset ND\_S2\_1 and unclick on ND\_OPT\_1. | | | The selected dataset is highlighted | |  |
| *Step-40* | Perform the steps 40 to 70 of WEBC-VTP-0170. | | | Make sure that the download options values set for the first dataset has been reset and that the values of the new dataset are taken into account | | *NGEO-WEBC-PFC-0175* |

### NGEO-WEBC-VTP-0177: Download options with crop product to search area

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***NGEO VALIDATION TEST PROCEDURE*** | | | | | | |
| **Test Identifier** | | *NGEO-WEBC-VTP-0177* | **Test Title** | | *Download options with crop product to search area* | |
|  | | | | | | |
| This test procedure implements the test case NGEO-WEBC-VTC-0175: Download options update with the selected Dataset | | | | | | |
| **Script** | | | | | | |
| None | | | | | | |
| **Step** | **Action** | | | **Expected output** | | **Pass/Fail Criteria Id** |
| *Step-10* | Open the “Datasets” widget by clicking on “datasets” button in the toolbar | | | The datasets widget is opened and the datasets available are displayed in a list. | |  |
| *Step-20* | Click on dataset LD\_SENTINEL\_1. | | | The selected dataset is highlighted | |  |
| *Step-30* | Click on the “Search” button of the left toolbar to open the Search widget | | | The search widget is open | |  |
| *Step-40* | Click on the “Download Options” collapsible button | | | The download options are displayed. The “crop product to search area” option is displayed as a checkbox. | | *NGEO-WEBC-PFC-0177* |
| *Step-50* | Check “Crop product to search area” checkbox | | | The checkbox is checked. | |  |
| *Step-60* | Click on the “OpenSearch URL” collapsible button | | | The “cropProduct” is included in the url as a download option, and with the value of the search area, defined as polygon | | *NGEO-WEBC-PFC-0177* |
| *Step-70* | Uncheck the “crop product to search area” checkbox | | | The checkbox is unchecked. | |  |
| *Step-80* | Redo step-60 | | | The “cropProduct” is not included in the url as a download option. | | *NGEO-WEBC-PFC-0177* |

### NGEO-WEBC-VTP-0180: Help

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***NGEO VALIDATION TEST PROCEDURE*** | | | | | | |
| **Test Identifier** | | *NGEO-WEBC-VTP-0180* | **Test Title** | | *Help* | |
|  | | | | | | |
| This test procedure implements the test case NGEO-WEBC-VTC-0180: Help | | | | | | |
| **Script** | | | | | | |
| None | | | | | | |
| **Step** | **Action** | | | **Expected output** | | **Pass/Fail Criteria Id** |
| *Step-10* | Click on the “User Guide” link in the menu bar | | | The user guide should open | | *NGEO-WEBC-PFC-0180* |
| *Step-20* | Browse in the user guide by using the table of contents. Check navigation display the corresponding page | | | Different pages are opened for each chapter in the table of contents | | *NGEO-WEBC-PFC-0181* |
| *Step-30* | Click in “Data services area” link in the menu bar | | | The data services area is opened | |  |
| *Step-40* | Click on the button “Context Help” in the toolbar | | | A tooltip shall appear to indicate next action. | |  |
| *Step-50* | Click on a button in the toolbar | | | A context help shall appear just below the button | | *NGEO-WEBC-PFC-0185* |

### NGEO-WEBC-VTP-0190: Import

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***NGEO VALIDATION TEST PROCEDURE*** | | | | | | |
| **Test Identifier** | | *NGEO-WEBC-VTP-0190* | **Test Title** | | *Import* | |
|  | | | | | | |
| This test procedure implements the test case NGEO-WEBC-VTC-0190: Import | | | | | | |
| **Script** | | | | | | |
| None | | | | | | |
| **Step** | **Action** | | | **Expected output** | | **Pass/Fail Criteria Id** |
| *Step-10* | Perform the steps until step-50 of WEBC-VTP-0030 | | | The search widget is opened, the Area Tab is opened | |  |
| *Step-20* | Clik on the “Import” button | | | The Import GUI is displayed | |  |
| *Step-30* | Drop the file france.kml from test data. | | | The area is displayed in the map.  The message “File successfully imported : france.kml” shall appears | | *NGEO-WEBC-PFC-0190* |
| *Step-40* | Drop the file france.geojson from test data. | | | The area is displayed in the map.  The message “File successfully imported : france.geojson” shall appears | | *NGEO-WEBC-PFC-0191* |
| *Step-50* | Drop the file france.gml from test data. | | | The area is displayed in the map.  The message “File successfully imported : france.gml” shall appears | | *NGEO-WEBC-PFC-0192* |
| *Step-60* | Drop the file europe.json from test data. | | | The message “Failed to import europe.json : file must contain exactly one feature, 102 foundl” shall appears | | *NGEO-WEBC-PFC-0195* |
| *Step-70* | Drop the file invalid.txt from test data. | | | The message “Failed to import invalid.txt: format not supported.” Shall appears | | *NGEO-WEBC-PFC-0196* |

### NGEO-WEBC-VTP-0200: Search Shared URL

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***NGEO VALIDATION TEST PROCEDURE*** | | | | | | |
| **Test Identifier** | | *NGEO-WEBC-VTP-0200* | **Test Title** | | *Search Shared URL* | |
|  | | | | | | |
| This test procedure implements the test case NGEO-WEBC-VTC-0200: Search Shared URL | | | | | | |
| **Script** | | | | | | |
| None | | | | | | |
| **Step** | **Action** | | | **Expected output** | | **Pass/Fail Criteria Id** |
| *Step-10* | Perform the steps of WEBC-VTP-0020 | | |  | |  |
| *Step-20* | On the toolbar, click on the “Search” button icon | | | The search widget is opened. | |  |
| *Step-30* | Uncheck on “Use Time Slider” and set the start date to 2009-05-01 and end date to 2009-07-01 using the calendar widget | | |  | |  |
| *Step-40* | Click on the “Area” collapsible button | | | The area coordinates fields are displayed | |  |
| *Step-50* | Uncheck “Use map extent”.  Set the area coordinates manually with:  West : -20  South: -20  East : 20  North : 20 | | | The area coordinates are displayed | |  |
| *Step-60* | Click on ‘Advanced’ collapsible button | | | The advanced search criteria related to the selected dataset are displayed by suitable widgets (sliders for ranges, check boxes group for multiple valued criteria) | |  |
| *Step-70* | Check “ “Ascending” for Pass, and put value from 500 to 1000 for Orbit | | |  | |  |
| *Step-80* | Click on ‘Download Options’ tab | | | The Download options related to the selected dataset are displayed by select boxes. The default selected values are “None”. | |  |
| *Step-90* | Select “download continously – sizeFactor : 1” options for download mode. | | | The productFormat is still set to “None” | |  |
| *Step-100* | Click on the “Share” button | | | A popup is opened with different icons | |  |
| *Step-110* | Click on URL | | | A new browser tab is opened with the share URL | | *NGEO-WEBC-PFC-0200* |
| *Step-120* | Check the dates in the “Date” collapsible button | | | The start date is 2009-05-01 and end date is 2009-07-01. | | *NGEO-WEBC-PFC-0201* |
| *Step-130* | Check the coordinates in the “Area” collapsible button | | | The following coordinates are set :  West : -20  South: -20  East : 20  North : 20 | | *NGEO-WEBC-PFC-0202* |
| *Step-140* | Check the criteria in the “Advanced” collapsible button | | | For Pass, “Ascending” is checked. For Orbit, From is 500, To is 1000. | | *NGEO-WEBC-PFC-0203* |
| *Step-150* | Check the options in the “Download Options” collapsible button | | | For downloadMode, “Download continuously” is selected. | | *NGEO-WEBC-PFC-0204* |

### NGEO-WEBC-VTP-0210: Data-driven Standing Order Shared URL

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***NGEO VALIDATION TEST PROCEDURE*** | | | | | | |
| **Test Identifier** | | *NGEO-WEBC-VTP-0210* | **Test Title** | | *Data-driven standing order shared URL* | |
|  | | | | | | |
| This test procedure implements the test case NGEO-WEBC-VTC-0210: Standing Order Shared URL | | | | | | |
| **Script** | | | | | | |
| None | | | | | | |
| **Step** | **Action** | | | **Expected output** | | **Pass/Fail Criteria Id** |
| *Step-10* | Perform the steps Step-10 and Step-20 of WEBC-VTP-0120 | | | The standing order widget is filled with data-driven standing order parameters. | |  |
| *Step-20* | Change the start date to 2013-02-08 and end date to 2013-06-08 using calendar widget | | |  | |  |
| *Step-30* | Click on the “Share” button | | | A popup is opened with different icons | |  |
| *Step-40* | Click on URL | | | A new browser tab is opened with the share URL | | *NGEO-WEBC-PFC-0210* |
| *Step-50* | Check the start and end date in the opened widget, and the Data-driven check box. | | | The start date is 2013-02-08 and the end date is 2013-06-08. The “Data-driven order” checkbox is selected. | | *NGEO-WEBC-PFC-0211* |

### NGEO-WEBC-VTP-0215: Time-driven Standing Order Shared URL

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***NGEO VALIDATION TEST PROCEDURE*** | | | | | | |
| **Test Identifier** | | *NGEO-WEBC-VTP-0215* | **Test Title** | | *Time-driven standing order shared URL* | |
|  | | | | | | |
| This test procedure implements the test case NGEO-WEBC-VTC-0215: Time-driven Standing Order Shared URL | | | | | | |
| **Script** | | | | | | |
| None | | | | | | |
| **Step** | **Action** | | | **Expected output** | | **Pass/Fail Criteria Id** |
| *Step-10* | Perform the steps Step-10 and Step-50 of WEBC-VTP-0125 | | | The standing order widget is filled with time-driven standing order parameters. | |  |
| *Step-20* | Click on the “Share” button | | | A popup is opened with different icons | |  |
| *Step-30* | Click on URL | | | A new browser tab is opened with the share URL | | *NGEO-WEBC-PFC-0210* |
| *Step-40* | Check the time-driven request parameters in the opened widget | | | The Time-driven checkbox is selected. The Shifting period is set to 15. The “Apply shifting…” checkbox is selected. | | *NGEO-WEBC-PFC-0212* |

### NGEO-WEBC-VTP-0220: Zone of interest: draw

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***NGEO VALIDATION TEST PROCEDURE*** | | | | | | |
| **Test Identifier** | | *NGEO-WEBC-VTP-0220* | **Test Title** | | *Zone of interest: draw* | |
|  | | | | | | |
| This test procedure implements the test case NGEO-WEBC-VTC-0220: Zone of interest: draw | | | | | | |
| **Script** | | | | | | |
| None | | | | | | |
| **Step** | **Action** | | | **Expected output** | | **Pass/Fail Criteria Id** |
| *Step-10* | Perform the steps of WEBC-VTP-0030 | | | The search widget is opened, the Area Tab is opened | |  |
| *Step-20* | Click on the “Box” button | | | The Box GUI is displayed | |  |
| *Step-30* | Click on the “Draw” button | | | The “Use map extent” is unchecked | |  |
| *Step-40* | Press the left mouse button on the map | | | None | |  |
| *Step-50* | Drag the mouse to another location on the map. | | | A rectangle is displayed starting at pressed position to the current one | |  |
| *Step-60* | Release the left mouse button | | | The search area coordinates are updated in the bbox widget | | *NGEO-WEBC-PFC-0220* |
| *Step-70* | Check the values into west,south,east, north | | | The values should be equals to the drawn rectangle | | *NGEO-WEBC-PFC-0220* |
| *Step-80* | Navigate on the map | | | The navigation on the map is effective and does not interfere with the drawing functionnality | | *NGEO-WEBC-PFC-0222* |
| *Step-90* | Click on the “Polygon” button | | | The Polygon GUI is displayed | |  |
| *Step-100* | Click on the “Draw” button | | |  | |  |
| *Step-110* | Click on a location in the map | | | A line is displayed while the mouse is moved after the click | |  |
| *Step-120* | Click at different locations on the map to draw a polygon. | | | The polygon is displayed | |  |
| *Step-130* | Double click to finish drawing the polygon | | | The polygon coordinates are displayed in the polygon are widget | | *NGEO-WEBC-PFC-0221* |
| *Step-140* | Check the values into the coordinates area | | | The values should be equals to the drawn polygon | | *NGEO-WEBC-PFC-0221* |
| *Step-150* | Navigate on the map | | | The navigation on the map is effective and does not interfere with the drawing functionality | | *NGEO-WEBC-PFC-0222* |

### NGEO-WEBC-VTP-0224: Zone of interest: gazetteer

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***NGEO VALIDATION TEST PROCEDURE*** | | | | | | |
| **Test Identifier** | | *NGEO-WEBC-VTP-0224* | **Test Title** | | *Zone of interest: gazetteer* | |
|  | | | | | | |
| This test procedure implements the test case NGEO-WEBC-VTC-0224: Zone of interest: gazetteer | | | | | | |
| **Script** | | | | | | |
| None | | | | | | |
| **Step** | **Action** | | | **Expected output** | | **Pass/Fail Criteria Id** |
| *Step-10* | Perform the steps of WEBC-VTP-0030 | | | The search widget is opened, the Area Tab is opened | |  |
| *Step-20* | Clik on the “Gazetteer” button | | | The Gazetter GUI is displayed | |  |
| *Step-30* | Enter “Italy” in the search field and press enter | | | Results from gazetteer are displayed. The first one is selected. The map zooms on the location. The search area is displayed as a bounding box on the map. | | *NGEO-WEBC-PFC-0224* |
| *Step-40* | Enter “qwas” in the search field and press enter | | | Results are erased. The search area is now empty, and not displayed on the map. | | *NGEO-WEBC-PFC-0225* |

### NGEO-WEBC-VTP-0228: Zone of interest: Manual polygon

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***NGEO VALIDATION TEST PROCEDURE*** | | | | | | |
| **Test Identifier** | | *NGEO-WEBC-VTP-0228* | **Test Title** | | *Zone of interest: manual polygon* | |
|  | | | | | | |
| This test procedure implements the test case NGEO-WEBC-VTC-0228: Zone of interest: Manual polygon | | | | | | |
| **Script** | | | | | | |
| None | | | | | | |
| **Step** | **Action** | | | **Expected output** | | **Pass/Fail Criteria Id** |
| *Step-10* | Perform the steps of WEBC-VTP-0030 | | | The search widget is opened, the Area Tab is opened | |  |
| *Step-20* | Clik on the “Polygon” button | | | The Polygon GUI is displayed | |  |
| *Step-30* | Copy/paste coordinates from test\_data/manual\_polygon.txt in the text area and press the “tab” key | | | The area is displayed in the map. | | *NGEO-WEBC-PFC-0228* |
| *Step-40* | Enter invalid coordinates in the text area and press the tab key | | | Text area is emptied. The area is removed from the map. | | *NGEO-WEBC-PFC-0229* |

### NGEO-WEBC-VTP-0230: Export

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***NGEO VALIDATION TEST PROCEDURE*** | | | | | | |
| **Test Identifier** | | *NGEO-WEBC-VTP-0230* | **Test Title** | | *Export* | |
|  | | | | | | |
| This test procedure implements the test case NGEO-WEBC-VTC-0230: Export | | | | | | |
| **Script** | | | | | | |
| None | | | | | | |
| **Step** | **Action** | | | **Expected output** | | **Pass/Fail Criteria Id** |
| *Step-10* | Perform the steps of WEBC-VTP-0040 | | | The table widget is opened, with different products. | |  |
| *Step-20* | Select a product in the table. | | | The Export button is enabled | |  |
| *Step-30* | Click on the export button | | | A popup is opened | |  |
| *Step-40* | Select the KML format and click on download button | | | The browser downloads the file. | |  |
| *Step-50* | Check the KML is correct by visualising it in Google Earth or by looking at the file | | |  | | *NGEO-WEBC-PFC-0230* |

### NGEO-WEBC-VTP-0240: Time Slider Display

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***NGEO VALIDATION TEST PROCEDURE*** | | | | | | |
| **Test Identifier** | | *NGEO-WEBC-VTP-0240* | **Test Title** | | *Time Slider Display* | |
|  | | | | | | |
| This test procedure implements the test case NGEO-WEBC-VTC-0240: Time Slider Display | | | | | | |
| **Script** | | | | | | |
| None | | | | | | |
| **Step** | **Action** | | | **Expected output** | | **Pass/Fail Criteria Id** |
| *Step-10* | Launch the Web Client and select ND\_OPT\_1 in Datasets panels if not already selected | | | Dataset ND\_OPT\_1 is selected | |  |
| *Step-20* | On the toolbar, click on the “Search” button | | | The search widget is displayed. The “Date” tab is shown. It contains the start and stop dates of the dataset and a checkbox “use Time Slider “. By default, the checkbox is checked and the time slider is displayed in the bottom of the map. | | *NGEO-WEBC-PFC-0240* |
| *Step-30* | UnCheck the “use Time Slider “ checkbox” | | | The time slider is removed from the bottom of the map | | *NGEO-WEBC-PFC-0241* |

### NGEO-WEBC-VTP-0243: Time Slider Depends on the selected dataset

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***NGEO VALIDATION TEST PROCEDURE*** | | | | | | |
| **Test Identifier** | | *NGEO-WEBC-VTP-0243* | **Test Title** | | *Time Slider Depends on the Selected Dataset* | |
|  | | | | | | |
| This test procedure implements the test case NGEO-WEBC-VTC-0243: Time Slider Depends on the Selected Dataset. | | | | | | |
| **Script** | | | | | | |
| None | | | | | | |
| **Step** | **Action** | | | **Expected output** | | **Pass/Fail Criteria Id** |
| *Step-10* | Launch the Web Client and select ND\_OPT\_1 in Datasets panels if not already selected | | | Dataset ND\_OPT\_1 is selected | |  |
| *Step-20* | On the toolbar, click on the “Search” button | | | The search widet is displayed. The “Date” tab is shown. It contains the start and stop dates of the dataset and a checkbox “use Time Slider “. By default, the checkbox is checked and the time slider is displayed in the bottom of the map. | | *NGEO-WEBC-PFC-0240* |
| *Step-30* | Check the time slider end date | | | The maximum slider date is the dataset stop date. | | *NGEO-WEBC-PFC-0243* |
| *Step-40* | On the toolbar, click on the “Datasets” button | | | The dataset selection widget is displayed. | |  |
| *Step-50* | Select a dataset different from the already selected one | | | The time slider is refreshed with the new dataset stop date range as a maximum date. | | *NGEO-WEBC-PFC-0243* |

### NGEO-WEBC-VTP-0245: Search with Time Slider

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***NGEO VALIDATION TEST PROCEDURE*** | | | | | | |
| **Test Identifier** | | *NGEO-WEBC-VTP-0245* | **Test Title** | | *Search with Time Slider* | |
|  | | | | | | |
| This test procedure implements the test case NGEO-WEBC-VTC-0245: Search with Time Slider | | | | | | |
| **Script** | | | | | | |
| None | | | | | | |
| **Step** | **Action** | | | **Expected output** | | **Pass/Fail Criteria Id** |
| *Step-10* | Launch the Web Client and select ND\_OPT\_1 in Datasets panels if not already selected | | | Dataset ND\_OPT\_1 is selected | |  |
| *Step-20* | Click on the Search button in the toolbar | | | The search widget is displayed on the “Date” tab. By default, the checkbox is checked and the time slider is displayed in the bottom of the map. | |  |
| *Step-30* | Click on the blue bar inside the time slider and move it inside the slider to cover the date interval [9 April 2011, 9 May 2011] then release the bar. | | | The bar is moved inside the time slider and a search is submitted with the chosen dates. On the map, the retrieved products are displayed. | | *NGEO-WEBC-PFC-0245* |
| *Step-40* | Click on the stop date of the bar and move it inside the slider to have a date at the 15 May 2011 then release the handle. | | | The stop date is moved and a search is submitted with the chosen dates. On the map, the retrieved products are displayed. | | *NGEO-WEBC-PFC-0246* |
| *Step-50* | Click on the start date of the bar and move it inside the slider to have date at the 21 December 2010 then reléase the handle. | | | The left handle is moved inside the time slider and a search is submitted with the chosen dates. On the map, the retrieved products are displayed. | | *NGEO-WEBC-PFC-0247* |
| *Step-60* | Click on the right arrow of the time slider untill block then release the mouse. | | | The bar is moved to the right side inside the time slider and a search is submitted with the chosen dates. On the map, the retrieved products are displayed. | | *NGEO-WEBC-PFC-0248* |
| *Step-70* | Click on the left arrow of the time slider untill July and August months are be covered by the time range then release the mouse. | | | The bar is moved to the right side inside the time slider and a search is submitted with the chosen dates. No products are found. | | *NGEO-WEBC-PFC-0249* |

### NGEO-WEBC-VTP-0250: User Preferences

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***NGEO VALIDATION TEST PROCEDURE*** | | | | | | |
| **Test Identifier** | | *NGEO-WEBC-VTP-0250* | **Test Title** | | *User Preferences* | |
|  | | | | | | |
| This test procedure implements the test case NGEO-WEBC-VTC-0250: The selected dataset is stored in the preferences. | | | | | | |
| **Script** | | | | | | |
| None | | | | | | |
| **Step** | **Action** | | | **Expected output** | | **Pass/Fail Criteria Id** |
| *Step-10* | Launch the application with the choosen browser | | | The web client is launched | |  |
| *Step-20* | Click on the “Datasets” button on the toolbar | | | The datasets selection widget is displayed | |  |
| *Step-30* | Click on the dataset item in the list to select a dataset: for example ND\_S2\_1. | | | The dataset is selected. Its identifier is displayed in the bottom of the map. | |  |
| *Step-40* | Click on ‘My Account’ menu | | | The ‘Download Managers’, ‘Data Access Requests’, Shopcarts,‘Inquiries’ and ‘User Preferences’ tabs are displayed. | |  |
| *Step-50* | Click on the ‘User Preferences’ tab | | | The list of selected preferences is displayed and the dataset which has been selected is displayed. | | *NGEO-WEBC-PFC-0250* |
| *Step-60* | Return on the “Data Services Area”menu and Click on the “Background” button on the toolbar | | | The list of background layers is displayed, the first one is selected by default. | |  |
| *Step-70* | Check the checkbox of a background layer different of the default one: for example VMAP0. | | | The map background layer is updated. | |  |
| *Step-80* | Return on ‘My Account’ menu and click on the ‘User Preferences’ tab | | | The list of selected preferences is displayed and the background layer which has been selected is displayed. | | *NGEO-WEBC-PFC-0251* |
| *Step-90* | Launch the application in a new window or tab of the same used browser. | | | The application is launched | |  |
| *Step-100* | Open the dataset selection widget | | | The last selected dataset is selected. | | *NGEO-WEBC-PFC-0253* |
| *Step-110* | Open the backgound selection widget | | | The last selected backgound layer is selected | | *NGEO-WEBC-PFC-0253* |
| *Step-120* | Return on ‘My Account’ menu and click on the ‘User Preferences’ tab | | | The list of the last selected preferences is displayed | | *NGEO-WEBC-PFC-0253* |

### NGEO-WEBC-VTP-0260: Inquiries

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***NGEO VALIDATION TEST PROCEDURE*** | | | | | | |
| **Test Identifier** | | *NGEO-WEBC-VTP-0260* | **Test Title** | | *Inquiries* | |
|  | | | | | | |
| This test procedure implements the test case NGEO-WEBC-VTC-0260: Inquiries. | | | | | | |
| **Script** | | | | | | |
| None | | | | | | |
| **Step** | **Action** | | | **Expected output** | | **Pass/Fail Criteria Id** |
| *Step-10* | Launch the application with the choosen browser | | | The web client is launched | |  |
| *Step-20* | Click on ‘My Account’ menu | | | My Account tabs are displayed. The ‘Download manager’ tab is displayed. | |  |
| *Step-30* | Click on the “Inquiries” tab | | | The inquiries view is displayed with the combo-box of the inquiries type, a text to enter the inquiries text and a submit button to submit the request. | |  |
| *Step-40* | Click on the combo box after ‘Choose the inquiry type’ and select the inquiry type among the available choices: for example “other”. | | | The inquiry type is selected | | *NGEO-WEBC-PFC-0260* |
| *Step-50* | Enter the inquiry text message after ‘Enter the inquiry message’: for example “Test of Inquiries message”. | | | The inquiry message is entred | | *NGEO-WEBC-PFC-0261* |
| *Step-60* | Click on ‘Submit’ button | | | The inquiy shall be sent the server with this message: “Inquiry successfully send to the server” | | *NGEO-WEBC-PFC-0262* |

### NGEO-WEBC-VTP-0270: Shopcart Management

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***NGEO VALIDATION TEST PROCEDURE*** | | | | | | |
| **Test Identifier** | | *NGEO-WEBC-VTP-0270* | **Test Title** | | *Shopcart Management* | |
|  | | | | | | |
| This test procedure implements the test case NGEO-WEBC-VTC-0270: Shopcart Management. | | | | | | |
| **Script** | | | | | | |
| None | | | | | | |
| **Step** | **Action** | | | **Expected output** | | **Pass/Fail Criteria Id** |
| *Step-10* | Launch the application with the choosen browser | | | The web client is launched | |  |
| *Step-20* | Click on ‘My Account’ | | | My Account tabs are displayed. The ‘Download manager’ tab is displayed. | |  |
| *Step-30* | Click on the “Shopcarts” tab | | | The available shopcart list displayed with the default shopcart selected. | | *NGEO-WEBC-PFC-0270* |
| *Step-40* | Click on “New” button | | | the create shopcart widget is popped up | |  |
| *Step-50* | Enter the new shopcart name in the textfield | | |  | |  |
| *Step-60* | Press the “Submit” button or press “ENTER” keyboard | | | the widget is closed and a new shopcart entry having the entered name is added to the shopcart’s list | | *NGEO-WEBC-PFC-0271* |
| *Step-70* | Click on “Share” button | | | The share widget is popped up | | *NGEO-WEBC-PFC-0274* |
| *Step-80* | Click on the url button. | | | A new tab is is opened and the shopcart items are displayed on the web client. | |  |
| *Step-90* | Click on the “Export” button | | | The export widget is popped up | |  |
| *Step-100* | Choose one of the available export formats and press the “Download” button | | | The shopcart file is downloaded with the specified format | | *NGEO-WEBC-PFC-0275* |
| *Step-110* | Click on the “rename” Button | | | The rename widget is popped up | |  |
| *Step-120* | Enter the new name of the shopcart and press the “Submit” button or press “ENTER” keyboard | | | The rename widget is closed and the shopcart is renamed with the new entred name. | | *NGEO-WEBC-PFC-0276* |
| *Step-130* | Click on the “Duplicate” button | | | The currently selected shopcart is duplicated: a new entry is added to the list of shopcarts with the same name as the current shopcart to which “(Duplicated)” is added. | | *NGEO-WEBC-PFC-0277* |
| *Step-140* | Press the radio button of the duplicated shopcart | | |  | |  |
| *Step-150* | Click on “Delete” button | | | the currently selected shopcart is deleted from the list (the default shopcart cannot be deleted and is selected after the deletion) | | *NGEO-WEBC-PFC-0278* |
| *Step-160* | Press the radio button of a different shopcart | | | The choosen shopcart is selected | |  |
| *Step-170* | Go to the data services area and click on the shopcart icon, then on the “Table” button | | | The content of the selected shopcart (in My Account) is displayed. | | *NGEO-WEBC-PFC-0279* |
| *Step-180* | Use the scroll bar to go to the end of the list | | | Count that there is 100 shopcarts displayed | | *NGEO-WEBC-PFC-0272* |

### NGEO-WEBC-VTP-0280: Shopcart as Data service

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***NGEO VALIDATION TEST PROCEDURE*** | | | | | | |
| **Test Identifier** | | *NGEO-WEBC-VTP-0280* | **Test Title** | | *Shopcart as data service* | |
|  | | | | | | |
| This test procedure implements the test case NGEO-WEBC-VTC-0280: Shopcart as Data service. | | | | | | |
| **Script** | | | | | | |
| None | | | | | | |
| **Step** | **Action** | | | **Expected output** | | **Pass/Fail Criteria Id** |
| *Step-10* | Launch the application with the choosen browser | | | The web client is launched | |  |
| *Step-20* | Click on the “Shopcart” button in the bottom toolbar | | | The status bar is modified and display the shopcart name and the number of items | |  |
| *Step-30* | Click on the “Table” button in the bottom toolbar | | | The shopcart widget is displayed as a table in the bottom of the screen | |  |
| *Step-40* | Click again on the “Table” button to hide the table | | | The table is hidden | |  |
| *Step-50* | Perform steps Step-10 to Step-70  NGEO-WEBC-VTP-0030 and click on “Search” | | | A search is performed | |  |
| *Step-60* | Click on the “Table” icon in the bottom toolbar | | | The results table is displayed | |  |
| *Step-70* | Select only some “Planned” products | | | The “add to Shopcart” button is disabled. | | *NGEO-WEBC-PFC-0286* |
| *Step-70* | Select some “Planned” and non “Planned” items and then click on the “add to shopcart” button | | | A message is displayed to inform that only non planned prodcuts are added to shopcart | | *NGEO-WEBC-PFC-0286* |
| *Step-80* | On the Data access services area tool bar, click on the “Shopcart” button and then click on the “Table” button | | | the shopcart widget is displayed with the content of the current shopcart : the selected and added items are displayed | | *NGEO-WEBC-PFC-0280* |
| *Step-90* | Click on the “Layers” button on the tool bar | | | The list of the available layers is displayed | |  |
| *Step-100* | Uncheck the shopcart layer | | | The footprints of the shopcart items are no more displayed on the map | | *NGEO-WEBC-PFC-0284* |
| *Step-110* | Click on “Table” button to display the shopcart content and select some items and click on the “Delete” button | | | the items are removed from the shopcart | | *NGEO-WEBC-PFC-0283* |
| *Step-120* | Click on the “Export” button | | | The export widget is displayed with list of export formats | |  |
| *Step-130* | Choose an export format | | | The related export file is generated and available for download | | *NGEO-WEBC-PFC-0285* |

### NGEO-WEBC-VTP-0290: Dataset Authorization

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***NGEO VALIDATION TEST PROCEDURE*** | | | | | | |
| **Test Identifier** | | *NGEO-WEBC-VTP-0290* | **Test Title** | | *Dataset Authorization* | |
|  | | | | | | |
| This test procedure implements the test case NGEO-WEBC-VTC-0290: Dataset Authorization. | | | | | | |
| **Script** | | | | | | |
| None | | | | | | |
| **Step** | **Action** | | | **Expected output** | | **Pass/Fail Criteria Id** |
| *Step-10* | Launch the Web Client | | |  | |  |
| *Step-20* | Click on Dataset, and check that dataset SENTINEL3\_L2 is not available | | | The list of datasets is displayed. | |  |
| *Step-30* | Open a new tab in the browser with the URL <http://localhost:3000/ngeo/user/tpz> to change the current user. | | | User is now tpz | |  |
| *Step-40* | Return on the first tab and refresh the Web Client | | |  | |  |
| *Step-50* | Click on Dataset, and check that dataset SENTINEL3\_L2 is now available | | | The list of datasets is displayed. | | *NGEO-WEBC-PFC-0290* |
| *Step-60* | Open a new tab in the browser with the URL http://localhost:3000/ngeo/user/public and then refresh the Web Client. | | |  | |  |
| *Step-70* | Return on the first tab and refresh the Web Client | | |  | |  |
| *Step-80* | Click on DataSet and select SENTINEL3, then click on Search button. | | | Five products are displayed. | |  |
| *Step-90* | Click on a product in the map. | | | A message informs that the user has no permission to view. | | *NGEO-WEBC-PFC-0291* |
| *Step-100* | Open the table view, select the first ítem and click on “Retreive Product” | | | A message informs that the user has no permission to download. | | *NGEO-WEBC-PFC-0292* |
| *Step-110* | On the first ítem, click on Product column to direct download. | | | A message informs that the user has no permission to download. | | *NGEO-WEBC-PFC-0293* |
| *Step-120* | Check Subscribe is not available in the top left bottom toolbar | | | Subscribe button is disabled | | *NGEO-WEBC-PFC-0294* |
| *Step-130* | Click on Dataset button | | | The dataset panel is displayed. | |  |
| *Step-140* | Check that SENTINEL2\_L1 has an icon to show that user has no permission to download, SENTINEL3 an icon to show that user has no permission to view and SENTINEL3\_L1 two icons to show that user has no permission to download and view. | | |  | | *NGEO-WEBC-PFC-0295* |

### NGEO-WEBC-VTP-0300: Multiple Dataset search

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***NGEO VALIDATION TEST PROCEDURE*** | | | | | | |
| **Test Identifier** | | *NGEO-WEBC-VTP-0300* | **Test Title** | | *Multiple dataset search* | |
|  | | | | | | |
| This test procedure implements the test case NGEO-WEBC-VTC-0300: Multiple Dataset Search. | | | | | | |
| **Script** | | | | | | |
| None | | | | | | |
| **Step** | **Action** | | | **Expected output** | | **Pass/Fail Criteria Id** |
| *Step-10* | Launch the Web Client | | |  | |  |
| *Step-20* | Click on Datasets, click on previous selected dataset if any and click on ND\_SAR\_1 | | | ND\_SAR\_1 is selected, in the status bar ND\_SAR\_1 is added as Dataset | |  |
| *Step-30* | Click on Search, and open the Advanced accordion | | | 6 advanced parameters are displayed : Satellite, Pass, Orbit, Track, Status, Daynight flag | |  |
| *Step-40* | Deselect ND\_SAR\_1 and click on ND\_OPT\_1, then repeat Step-30 | | | 6 advanced parameters are displayed : Uuid, Pass, Orbit, Track, Status, Daynight flag | |  |
| *Step-50* | Click on ND\_SAR\_1 again | | | ND\_OPT\_1 is selected, in the status bar ND\_SAR\_1 is added as Dataset | | *NGEO-WEBC-PFC-0300* |
| *Step-60* | Click on Search and open the Advanced accordion | | | 5 common advanced parameters are displayed: Pass, Orbit, Track, Status, Daynight flag. | | *NGEO-WEBC-PFC-0305* |
| *Step-70* | Click on Search and set the start date to 2010-06-01 and end date to 2011-06-01 using the calendar widget. If the checkbox “Use Time Slider” is checked, uncheck it to enable the use of date widgets. | | |  | |  |
| *Step-80* | Click on Area and uncheck “Use map extent” and set west to -180, south to -90, east to 180 and north to 90 | | |  | |  |
| *Step-90* | Click on Search button, and wait for “Searching” message to finish on the status bar | | |  | |  |
| *Step-100* | Click on ND\_OPT\_1 in the status bar | | | A message is displayed : “Show 1 to 100 of 365 products” | | *NGEO-WEBC-PFC-0307* |
| *Step-110* | Click on ND\_SAR\_1 in the status bar | | | A message is displayed : “Show 1 to 7 of 7 products” | | *NGEO-WEBC-PFC-0307* |

### NGEO-WEBC-VTP-0310: Interferometry

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***NGEO VALIDATION TEST PROCEDURE*** | | | | | | |
| **Test Identifier** | | *NGEO-WEBC-VTP-0310* | **Test Title** | | *Interferometry* | |
|  | | | | | | |
| This test procedure implements the test case NGEO-WEBC-VTC-0310: Interferometry. | | | | | | |
| **Script** | | | | | | |
| None | | | | | | |
| **Step** | **Action** | | | **Expected output** | | **Pass/Fail Criteria Id** |
| *Step-10* | Launch the Web Client | | |  | |  |
| *Step-20* | Click on Datasets, and select ND\_SAR\_1 then ND\_OPT\_1 | | | Two buttons ND\_SAR\_1 and ND\_OPT\_1 appears on the status bar at the bottom | |  |
| *Step-30* | Click on Search and select the mode “Interferometry” | | | A new accordion “Interferometry” appears in the panel. The status bar is updated with a new “Interferometry” button and the message : Dataset : ND\_SAR\_1 with ND\_OPT\_1 | | *NGEO-WEBC-PFC-0310* |
| *Step-40* | Open the accordion “Interferometry” and select ND\_OPT\_1 as the master dataset | | | The status bar is updated with the message : Dataset : ND\_OPT\_1 with ND\_SAR\_1 | | *NGEO-WEBC-PFC-0311* |
| *Step-50* | In the accodion “Interferometry” set Spatial Overlap Percentage input to 50 | | |  | |  |
| *Step-60* | Open the accordion “OpenSearch URL” and check in the URL that sOverPparameter is equals to 50 (sOverP=50) | | |  | | *NGEO-WEBC-PFC-0312* |
| *Step-70* | Click on Search button at the left panel bottom | | | A message “Searching…” is displayed in the status bar. Results are received | |  |
| *Step-80* | Click on Table button in the status bar | | | The table is opened with one result displayed, and a “+” button to expand it. | |  |
| *Step-90* | In the table view, expand the result | | | Slave results are displayed below the master item.  Slave results are displayed on the map. | | *NGEO-WEBC-PFC-0313* |

### NGEO-WEBC-VTP-0315: Interferometry support

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***NGEO VALIDATION TEST PROCEDURE*** | | | | | | |
| **Test Identifier** | | *NGEO-WEBC-VTP-0315* | **Test Title** | | *Interferometry support* | |
|  | | | | | | |
| This test procedure implements the test case NGEO-WEBC-VTC-0315: Interferometry. | | | | | | |
| **Script** | | | | | | |
| None | | | | | | |
| **Step** | **Action** | | | **Expected output** | | **Pass/Fail Criteria Id** |
| *Step-10* | Launch the Web Client | | |  | |  |
| *Step-20* | Click on Datasets, then click on keywords and select interferometry | | | Three datasets are listed: ND\_SAR\_1 ,ND\_OPT\_1 and LD\_SENTINEL\_1. | |  |
| *Step-30* | Click on ND\_SAR\_1 and ND\_OPT\_1 to select them | | |  | |  |
| *Step-40* | Click on Search panel | | | A select mode is available, user can select Interferometry. | |  |
| *Step-50* | Click on Datasets, then click on keywords and select none | | | All datasets are listed. | |  |
| *Step-60* | Click on ND\_SAR\_1 to deselect it | | |  | |  |
| *Step-70* | Click on ND\_S2\_1 to select it and then click on Search panel | | | The select mode is not available, user cannot select Interferometry because a dataset do not support interferometry. | | *NGEO-WEBC-PFC-0315* |
| *Step-80* | Click on ND\_S2\_1 to deselect it then click on ND\_SAR\_1 and LD\_SENTINEL\_1 to have three datasets selected and then click on Search panel | | | The select mode is not available, user cannot select Interferometry because Interferometry is only posible with two datasets. | | *NGEO-WEBC-PFC-0315* |

### NGEO-WEBC-VTP-0320: Hosted processing

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***NGEO VALIDATION TEST PROCEDURE*** | | | | | | |
| **Test Identifier** | | *NGEO-WEBC-VTP-0320* | **Test Title** | | *Hosted processing* | |
|  | | | | | | |
| This test procedure implements the test case NGEO-WEBC-VTC-0320: Hosted processing. | | | | | | |
| **Script** | | | | | | |
| None | | | | | | |
| **Step** | **Action** | | | **Expected output** | | **Pass/Fail Criteria Id** |
| *Step-10* | Launch the Web Client and select ND\_OPT\_1 in Datasets panels if needed | | |  | |  |
| *Step-20* | Click on Subscribe, and then click on Order button | | | The Data Access Request is opened with two accordion : Download Managers and Product processing | |  |
| *Step-30* | Click on Product processing, and then click on “Spot Image Reconditionning” | | | The processing is highlighted, the configure button is enabled | | *NGEO-WEBC-PFC-0320* |
| *Step-40* | Click on Validate | | | A message is displayed : “Please, configure the product processing parameters first” | |  |
| *Step-50* | Click on Configure | | | A widget is opened for product processing. Three parameters are available: Output format (enumeration), resolution (integer) and projection (enumeration). | |  |
| *Step-60* | Click on Ok | | | A message is displayed : “Please fill all parameters” | |  |
| *Step-70* | Set 50 for resolution and select Lambert for projection | | | Parameters are updated | | *NGEO-WEBC-PFC-0325* |
| *Step-80* | Click on Ok to finish configuration, then click on Validate | | | The message “Request AcknowledgedStanding order data Access Request validated” appears | |  |
| *Step-90* | Close the widget. | | |  | |  |
| *Step-100* | Click on Search panel and then click on search button. | | | Products are found and displayed. | |  |
| *Step-110* | Click on Table in the status bar. | | | Products are displayed on the table | |  |
| *Step-120* | Select the first three products and then click on “Retrieve Product” | | | The Data Access Request is opened with two accordion : Download Managers and Product processing | | *NGEO-WEBC-PFC-0327* |

### NGEO-WEBC-VTP-0330: Gantt chart

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***NGEO VALIDATION TEST PROCEDURE*** | | | | | | |
| **Test Identifier** | | *NGEO-WEBC-VTP-0330* | **Test Title** | | *Gantt chart* | |
|  | | | | | | |
| This test procedure implements the test case NGEO-WEBC-VTC-0330: Gantt chart. | | | | | | |
| **Script** | | | | | | |
| None | | | | | | |
| **Step** | **Action** | | | **Expected output** | | **Pass/Fail Criteria Id** |
| *Step-10* | Launch the Web Client and select ND\_OPT\_1 in Datasets panels if needed | | |  | |  |
| *Step-20* | Click on Datasets to select ND\_OPT\_1. Then click on the search button below. | | | Results are displayed on the map | |  |
| *Step-30* | In the status bar, click on Gantt | | | A Gantt chart is opened with the all results. | | *NGEO-WEBC-PFC-0330* |
| *Step-40* | Click on the table to check the start date of the first element | | | The date corresponds to the Gantt position. | |  |
| *Step-40* | Click on Gantt and with the vertical/horizontal scrollbars, navigate in Gantt to see all results | | | Results are displayed in time ascending order | | *NGEO-WEBC-PFC-0331* |
| *Step-50* | In the Gantt left panel, click on Day button | | | The time axis is changed to day scale | | NGEO-WEBC-PFC-0332 |

## Software Validation Analysis, Inspection, Review of Design

### Review Test Case

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***NGEO REVIEW  CASE*** | | | | |
| **Test Case Identifier** | | *NGEO-WEBC-VRC-1000* | **Test Case Title** | *Review* |
| **Description and Objective** | | | | |
| *This VRC aims to include the checks on the web client related to verification by review.* | | | | |
| **Inputs Specification** | | | | |
| *WEBC Design Document, Minutes of Meetings, Jira* | | | | |
| **Environmental Needs** | | | | |
| *Components needed: - WEBC* | | | | |
| **Dependencies** | | | | |
| *Not dependant on other test cases* | | | | |
| **Pass/Fail Criteria** | | | | |
| *NGEO-WEBC-PFC-1001* | Review the minutes of the first meeting with Magellium: widgets are not movable. It gives a better user experience if the widgets are just well placed. | | | |
| *NGEO-WEBC-PFC-1002* | Review chapter 5.3.4.1 in [RD.1]. Web Client uses MVC design pattern, that allows easy reset of a widget (ie. A view). | | | |
| *NGEO-WEBC-PFC-1003* | Review chapter 5.3.4.1 in [RD.1]. Web Client uses Backbone Events to communicate between widgets. | | | |
| *NGEO-WEBC-PFC-1004* | Review chapter 5.1 in [RD.1]. | | | |
| *NGEO-WEBC-PFC-1005* | See chapter 5.3.1 in [RD.1]. Web Client uses Require.Js build system to improve page-load speed. | | | |
| *NGEO-WEBC-PFC-1006* | A review of Web Client user interaction proves that no right-click events are used. | | | |
| *NGEO-WEBC-PFC-1007* | There are no restrictions on operating systems because Web Client is a pure Web Application without any plugin. See chapter 5.1 in [RD.1]. | | | |
| *NGEO-WEBC-PFC-1008* | See chapter 5.1 in [RD.1], Web Client uses only HTML/Javascript/CSS. | | | |
| *NGEO-WEBC-PFC-1009* | A review of all date widgets (search, standing order) is sufficient to prove that the standard display yyyy-MM-dd is used anywhere. | | | |
| *NGEO-WEBC-PFC-1010* | See chapter 5.1 in [RD.1], Web Client uses CSS so GUI can be modified. | | | |

### Inspection Test Case

|  |  |  |  |
| --- | --- | --- | --- |
| ***NGEO INSPECTION  CASE*** | | | |
| **Test Case Identifier** | *NGEO-WEBC-VIC-2000* | **Test Case Title** | *Inspection* |
| **Description and Objective** | | | |
| *This VIC aims to include the checks related to verification by inspection.* | | | |
| **Inputs Specification** | | | |
| *Web Client softaware* | | | |
| **Environmental Needs** | | | |
| *Components needed: - WEBC* | | | |
| **Dependencies** | | | |
| *Not dependant on other test cases* | | | |
| **Pass/Fail Criteria** | | | |
| *NGEO-WEBC-PFC-2000* | Inspect the web client widgets: For V1, a user is mainly always allowed to use any widget. Except the Search widget is only available when the user has selected a dataset. | | |
| *NGEO-WEBC-PFC-2001* | Using a browser inspector tool, check the content of the streams exchanged between WebServer and WebClient during a request. | | |
| *NGEO-WEBC-PFC-2002* | Using a browser inspector tool, check that Web Client sends a request to the Web Server in order to retrieve its configuration. | | |
| *NGEO-WEBC-PFC-2003* | Inspect the url generated by the web client, it can be checked that they are short and supported by the supported browsers. | | |
| *NGEO-WEBC-PFC-2004* | Using a browser inspector tool, the requirement can be verified by showing that the dataset information is requested by the client and sent by the server during the web client launch. | | |
| *NGEO-WEBC-PFC-2005* | An inspection of the CSS/HTML files can be done to make modifications on them. | | |
| *NGEO-WEBC-PFC-2006* | Inspect the WEBC and check that most of actions take less than 1 second, except for network latency. | | |

### Comments

| Identifier | Description | M | Comments |
| --- | --- | --- | --- |
| ngEO-SUB-055-WEBC-DES | The Web client is protected by the UM-SSO. | R | UM-SSO is only used when integrated in system, so the requirements cannot be validated for a stand-alone subsystem. |
| ngEO-SUB-060-WEBC-DES | The dataset definitions and authorisations shall be up to date. The web client shall retrieve these informations periodically and transparently for the user. | R | See Jira issue: [NGEO-304](https://magelliumltd.atlassian.net/browse/NGEO-304). |
| ngEO-SUB-401-WEBC-RAM | The Web client shall be designed for an operational life of at least 20 years. | R | The Web Client is developed following the HTML5 standard. A demonstration on different browsers should prove the correctness of the implementation. |
| ngEO-SUB-402- WEBC –RAM | The Web client services availability shall be the same as the Web server’s availability, that is to say 99.5% computed over any one month time window. | R | Web Client is delivered through the Web Server HTTP server (Apache). Availability depends entirely on the Web Server configuration. |
| ngEO-SUB-701-WEBC-PER | In at least 80% of the cases, actions performed inside the Web client not using the interfaces shall have a response time of less than 1 second. | D | The requirements is really too hard to verify, a demonstration should be done to prove the responsiveness of the application. |

## Validation Test Platform Requirements

### Hardware and os configuration

A standard PC with a compliant OpenGL graphics card is needed to run all the tests. The graphics card is needed for map in 3D mode.

The OS and its configuration are described in [AD.3].

Also, a compatible HTML5 browser must be installed (see ngEO-SUB-201-WEBC-OPE requirements in [AD.2]):

* Internet explorer >= 9
* Firefox >= 4
* Chrome >= 12
* Safari >= 5

### Stub server configuration

The stub server must be installed and launch following steps described in [AD.3].

Summary of steps:

* Install node.js
  + rpm –Uvh nodejs-0.8.11-1.x86\_64.rpm)
* Install the stub server
  + rpm –Uvh esa-webclient-testserver-ngeo-XX-YY.noarch.rpm
* Launch the stub server (as root)
  + node /usr/local/webclient-testserver/app.js

The following file in /usr/local/webclient-testserver are used by the stub server to test the Web Server interfaces:

| File | Interface | Comments |
| --- | --- | --- |
| datasetPopulationMatrix/datasets/json | IF-ngEO-DatasetPopulationMatrix | The dataset population matrix sent by the test server. |
| datasetSearchInfo/{datasetId}\_datasetInfo.json | IF-ngEO-DatasetSearchInfo | The dataset info for each datasets identifier defined in the dataset population matrix. |
| dataAccessRequestStatus/ statuses.json | IF-ngEO-UserDataAccessReqConfigData | The data ccess request of the default user sent by the test server |
| downloadManagers/ downloadManagersConfigData.json | IF-ngEO-UserDlManagersConfigData | The list of registered download managers sent by the test server |
| downloadManagers/ downloadManagerDisableResponse.json | IF-ngEO-DownloadManagerChange | The response sent by the server when a download manager is disabled |
| simpleDataAccessRequest/validationResponse.json | IF-ngEO-DataAccessRequest | The validation response sent by the server |
| simpleDataAccessRequest/confirmationResponse.json | IF-ngEO-DataAccessRequest | The confirmation response sent by the server |
| standingOrderDataAccessRequest/validationResponse.json | IF-ngEO-DataAccessRequest | The validation response sent by the server |
| standingOrderDataAccessRequest /confirmationResponse.json | IF-ngEO-DataAccessRequest | The confirmation response sent by the server |
| productSearch/results.json | IF-ngEO-CatalogueSearch | A GeoJSON file used to populate with valid properties the various response. |
| productSearch/ dataFromEOLI.txt | IF-ngEO-CatalogueSearch | A text file extracted from EOLI server response used to send a valid response for catalogue search when datasetId is ND\_OPT\_1 |
| productSearch/ sar\_coverage.xml | IF-ngEO-CatalogueSearch | A XML WCS coverage description file extracted from EOX Browse Server used to send a response for default datasetId. The response contains browse information for EOX test server located at <http://ngeo.eox.at>. |
| productSearch/ Response.json | IF-ngEO-CatalogueSearch | A GeoJSON file extracted from Terradue Web Server used to send a response for results when datasetId is ATS\_TOA\_1P. |
| shopcarts/shopcarts.json | IF-ngEO-UserShopCartsConfigData | This is the list of shopcarts configuration sent by the server for the current user and visible on ‘My account’ |
| shopcarts/shopcartContent.json | IF-ngEO-ShopCartConsultation | This is the default content (ítems) of the current shopcart. |
| Shopcarts/TPZ\_SHP\_01\_shopcartContent.json | IF-ngEO-ShopCartConsultation | Content of the shopcart having the id TPZ\_SHP\_01 |
| Shopcarts/TPZ\_SHP\_02\_shopcartContent.json | IF-ngEO-ShopCartConsultation | Content of the shopcart having the id TPZ\_SHP\_02 |
| Shopcarts/TPZ\_SHP\_03\_shopcartContent.json | IF-ngEO-ShopCartConsultation | Content of the shopcart having the id TPZ\_SHP\_03 |
| Shopcarts/TPZ\_SHP\_04\_shopcartContent.json | IF-ngEO-ShopCartConsultation | Content of the shopcart having the id TPZ\_SHP\_04 |
| Shopcarts/TPZ\_SHP\_05\_shopcartContent.json | IF-ngEO-ShopCartConsultation | Content of the shopcart having the id TPZ\_SHP\_05 |
| shopcarts/ feature.json | IF-ngEO-ShopCartItemAdding | This is a geoson feature used as for the shopcart ítems to be added on theserver side. |

### Download managers registration

For some test procedures, download managers need to be registered. By default, the stub server has 3 download managers registered.

To test without any download managers, the JSON file downloadManagers/ downloadManagersConfigData.json needs to be modified: the "downloadmanagers" must be an empty array.

# Software Test plan Additional information

## Requirements to Test/Analysis/Inspection/Review

| **SSRD-WC Requirement ID** | **Requirement Title** | **Test** | **Test Cases** | **Version** |
| --- | --- | --- | --- | --- |
| ngEO-SUB-001-WEBC-DES | Web user interface | T | NGEO-WEBC-VTC-0010 | V1 |
| ngEO-SUB-002-WEBC-DES | Web user interface | T | NGEO-WEBC-VTC-0010 | V1 |
| ngEO-SUB-004-WEBC-DES | Web Client Layout | D | NGEO-WEBC-VRC-1000/  NGEO-WEBC-PFC-1001 | V1 |
| ngEO-SUB-005-WEBC-DES | Widget Visibility | D | NGEO-WEBC-VIC-2000/  NGEO-WEBC-PFC-2000 | V1 |
| ngEO-SUB-008-WEBC-DES | Widget reset | D | NGEO-WEBC-VRC-1000/  NGEO-WEBC-PFC-1002 | V1 |
| ngEO-SUB-009-WEBC-DES | Widget communication | R | NGEO-WEBC-VRC-1000/  NGEO-WEBC-PFC-1003 | V1 |
| ngEO-SUB-013-WEBC-DES | Shared Web interface context | T | NGEO-WEBC-VTC-0200  NGEO-WEBC-VTC-0210  NGEO-WEBC-VTC-0215 | V1 |
| ngEO-SUB-014-WEBC-DES | Catalogue search | T | NGEO-WEBC-VTC-0080 | V1 |
| ngEO-SUB-015-WEBC-DES | Web Client Orientation Page | T | NGEO-WEBC-VTC-0010 | V1 |
| ngEO-SUB-016-WEBC-DES | Technology | R | NGEO-WEBC-VRC-1000/  NGEO-WEBC-PFC-1004 | V1 |
| ngEO-SUB-021-WEBC-DES | HTML5 Caching | R | NGEO-WEBC-VRC-1000/  NGEO-WEBC-PFC-1005 | V1 |
| ngEO-SUB-022-WEBC-DES | Map | T | NGEO-WEBC-VTC-0090 | V1 |
| ngEO-SUB-023-WEBC-DES | Map controls | D | NGEO-WEBC-VTC-0220 | V1 |
| ngEO-SUB-024-WEBC-DES | Web client implementations | D | NGEO-WEBC-VIC-2000/  NGEO-WEBC-PFC-2005 | V1 |
| ngEO-SUB-162-WEBC-FUN | Multi-devices' considerations | D | NGEO-WEBC-VRC-1000/  NGEO-WEBC-PFC-1006 | V1 |
| ngEO-SUB-026-WEBC-DES | GUI widgets | T | NGEO-WEBC-VTC-0020  NGEO-WEBC-VTC-0040  NGEO-WEBC-VTC-0160  NGEO-WEBC-VTC-0170  NGEO-WEBC-VTC-0270  NGEO-WEBC-VTC-0280  NGEO-WEBC-VTC-0320  NGEO-WEBC-VTC-0330 | V1-V2 |
| ngEO-SUB-028-WEBC-DES | Product meta-data | T | NGEO-WEBC-VTC-0040 | V1 |
| ngEO-SUB-030-WEBC-DES | Product footprints | T | NGEO-WEBC-VTC-0050 | V1 |
| ngEO-SUB-031-WEBC-DES | Product footprints Display | T | NGEO-WEBC-VTC-0095 | V1 |
| ngEO-SUB-033-WEBC-DES | Browse display | T | NGEO-WEBC-VTC-0060 | V1 |
| ngEO-SUB-034-WEBC-DES | Footprint and browse selection | T | NGEO-WEBC-VTC-0050  NGEO-WEBC-VTC-0060 | V1 |
| ngEO-SUB-035-WEBC-DES | Overlay layers | T | NGEO-WEBC-VTC-0095 | V1 |
| ngEO-SUB-036-WEBC-DES | Background maps | T | NGEO-WEBC-VTC-0090 | V1 |
| ngEO-SUB-037-WEBC-DES | Gazetteers | T | NGEO-WEBC-VTC-0224 | V1 |
| ngEO-SUB-038-WEBC-DES | Direct Download | T | NGEO-WEBC-VTC-0150 | V1 |
| ngEO-SUB-039-WEBC-DES | Shopcarts | T | NGEO-WEBC-VTC-0270  NGEO-WEBC-VTC-0280 | V2 |
| ngEO-SUB-040-WEBC-DES | Shopcarts URL | T | NGEO-WEBC-VTC-0270  NGEO-WEBC-VTC-0280 | V2 |
| ngEO-SUB-041-WEBC-DES | Shared shopcarts | R | NGEO-WEBC-VTC-0280 | V2 |
| ngEO-SUB-042-WEBC-DES | Shared shopcarts Loading | R | NGEO-WEBC-VTC-0270 | V2 |
| ngEO-SUB-043-WEBC-DES | Groups of search results | R | NGEO-WEBC-VTC-0040 | V1 |
| ngEO-SUB-045-WEBC-DES | Groups of search results for correlation | R | Out of scope fot task 4 | V2 |
| ngEO-SUB-046-WEBC-DES | Groups of search results for interferometry | R | NGEO-WEBC-VTC-0310 | V2 |
| ngEO-SUB-048-WEBC-DES | Opensearch URL | T | NGEO-WEBC-VTC-0080 | V1 |
| ngEO-SUB-049-WEBC-DES | Opensearch URL Submitting | T | NGEO-WEBC-VTC-0080 | V1 |
| ngEO-SUB-050-WEBC-DES | Standing Order initialisation | T | NGEO-WEBC-VTC-0120  NGEO-WEBC-VTC-0125 | V1 |
| ngEO-SUB-055-WEBC-DES | Authentication | R | N/A | V1 |
| ngEO-SUB-058-WEBC-DES | Initialisations | R | NGEO-WEBC-VIC-2000/  NGEO-WEBC-PFC-2004 | V1-V2 |
| ngEO-SUB-060-WEBC-DES | Dataset Definition refresh | D | N/A | V1 |
| ngEO-SUB-061-WEBC-DES | Geographical Extent of the catalogue search | T | NGEO-WEBC-VTC-0190 | V1 |
| ngEO-SUB-062-WEBC-DES | File exchange for Shopcart | T | See Issue 690 | V2 |
| ngEO-SUB-063-WEBC-DES | File exchange | T | NGEO-WEBC-VTC-0230 | V1 |
| ngEO-SUB-101-WEBC-FUN | Web Client homepage | T | NGEO-WEBC-VTC-0010 | V1 |
| ngEO-SUB-102-WEBC-FUN | Data access services | T | NGEO-WEBC-VTC-0030  NGEO-WEBC-VTC-0110  NGEO-WEBC-VTC-0150 | V1 |
| ngEO-SUB-103-WEBC-FUN | Data access services area | T | NGEO-WEBC-VTC-0020  NGEO-WEBC-VTC-0280 | V1-V2 |
| ngEO-SUB-104-WEBC-FUN | Map mode | T | NGEO-WEBC-VTC-0090 | V1 |
| ngEO-SUB-105-WEBC-FUN | Default map mode | T | NGEO-WEBC-VTC-0010 | V1 |
| ngEO-SUB-106-WEBC-FUN | Map's enrichment | T | NGEO-WEBC-VTC-0095  NGEO-WEBC-VTC-0280 | V1-V2 |
| ngEO-SUB-107-WEBC-FUN | selection of item on map | T | NGEO-WEBC-VTC-0100 | V1 |
| ngEO-SUB-108-WEBC-FUN | zone of interest definition | T | NGEO-WEBC-VTC-0190  NGEO-WEBC-VTC-0220  NGEO-WEBC-VTC-0224  NGEO-WEBC-VTC-0228 | V1 |
| ngEO-SUB-109-WEBC-FUN | Map's navigation and zooming | T | NGEO-WEBC-VTC-0100 | V1 |
| ngEO-SUB-110-WEBC-FUN | Map's layers management | T | NGEO-WEBC-VTC-0095 | V1 |
| ngEO-SUB-111-WEBC-FUN | Dataset Chooser | T | NGEO-WEBC-VTC-0020 | V1 |
| ngEO-SUB-112-WEBC-FUN | Dataset Chooser | T | NGEO-WEBC-VTC-0070 | V1 |
| ngEO-SUB-113-WEBC-FUN | Dataset selection | T | NGEO-WEBC-VTC-0020 | V1 |
| ngEO-SUB-114-WEBC-FUN | Dataset selection service | T | NGEO-WEBC-VTC-0020  NGEO-WEBC-VTC-0290 | V1/V2 |
| ngEO-SUB-115-WEBC-FUN | Default layers for the Map Widget | T | NGEO-WEBC-VTC-0090 | V1 |
| ngEO-SUB-116-WEBC-FUN | Dataset selection dynamic | T | NGEO-WEBC-VTC-0020  NGEO-WEBC-VTC-0165 | V1 |
| ngEO-SUB-117-WEBC-FUN | Multiple searches | T | NGEO-WEBC-VTC-0300 | V2 |
| ngEO-SUB-118-WEBC-FUN | Multiple Dataset selection service | T | NGEO-WEBC-VTC-0300 | V2 |
| ngEO-SUB-119-WEBC-FUN | Interferometric search | T | NGEO-WEBC-VTC-0315 | V2 |
| ngEO-SUB-121-WEBC-FUN | Catalogue search | T | NGEO-WEBC-VTC-0165  NGEO-WEBC-VTC-0175  NGEO-WEBC-VTC-0290 | V1-V2 |
| ngEO-SUB-122-WEBC-FUN | Search parameters | T | NGEO-WEBC-VTC-0160 | V1 |
| ngEO-SUB-123-WEBC-FUN | Search parameters | T | NGEO-WEBC-VTC-0160 | V1 |
| ngEO-SUB-124-WEBC-FUN | Catalogue search settings | T | NGEO-WEBC-VTC-0030  NGEO-WEBC-VTC-0160 | V1 |
| ngEO-SUB-126-WEBC-FUN | Catalogue search: spatial criteria | T | NGEO-WEBC-VTC-0230 | V1 |
| ngEO-SUB-128-WEBC-FUN | Catalogue search: time extent | T | NGEO-WEBC-VTC-0030 | V1 |
| ngEO-SUB-129-WEBC-FUN | Catalogue search: time slider | T | NGEO-WEBC-VTC-0240  NGEO-WEBC-VTC-0243  NGEO-WEBC-VTC-0245 | V1 |
| ngEO-SUB-130-WEBC-FUN | Catalogue search: download options | T | NGEO-WEBC-VTC-0170 | V1 |
| ngEO-SUB-131-WEBC-FUN | Catalogue search: Opensearch query | T | NGEO-WEBC-VTC-0080 | V1 |
| ngEO-SUB-132-WEBC-FUN | Catalogue search: Opensearch query | T | NGEO-WEBC-VTC-0080  NGEO-WEBC-VTC-0165 | V1 |
| ngEO-SUB-133-WEBC-FUN | Catalogue search: Use a pre-built Opensearch query | T | NGEO-WEBC-VTC-0080 | V1 |
| ngEO-SUB-134-WEBC-FUN | Correlation Search Activation | T | NGEO-WEBC-VTC-0310 | V2 |
| ngEO-SUB-135-WEBC-FUN | Correlation and Interferometric Search Criteria | T | NGEO-WEBC-VTC-0310 | V2 |
| ngEO-SUB-137-WEBC-FUN | Search results: pagination | T | NGEO-WEBC-VTC-0040 | V1 |
| ngEO-SUB-138-WEBC-FUN | Search results: pagination | T | NGEO-WEBC-VTC-0040 | V1 |
| ngEO-SUB-139-WEBC-FUN | Search results: result table | T | NGEO-WEBC-VTC-0040 | V1 |
| ngEO-SUB-140-WEBC-FUN | Search results: result table | T | NGEO-WEBC-VTC-0040 | V1 |
| ngEO-SUB-141-WEBC-FUN | Search results: result footprints | T | NGEO-WEBC-VTC-0050 | V1 |
| ngEO-SUB-142-WEBC-FUN | Search results: products group in search result | T | NGEO-WEBC-VTC-0310 | V2 |
| ngEO-SUB-143-WEBC-FUN | Search results: Browse images | T | NGEO-WEBC-VTC-0060 | V1 |
| ngEO-SUB-144-WEBC-FUN | Search results: Browse images | T | NGEO-WEBC-VTC-0290 | V2 |
| ngEO-SUB-145-WEBC-FUN | GANTT chart | T | NGEO-WEBC-VTC-0330 | V2 |
| ngEO-SUB-146-WEBC-FUN | GANTT chart | T | NGEO-WEBC-VTC-0330 | V2 |
| ngEO-SUB-147-WEBC-FUN | GANTT chart | T | NGEO-WEBC-VTC-0330 | V2 |
| ngEO-SUB-148-WEBC-FUN | Download options edition | T | NGEO-WEBC-VTC-0173 | V1 |
| ngEO-SUB-149-WEBC-FUN | Use of the search results | T | NGEO-WEBC-VTC-0110  NGEO-WEBC-VTC-0280 | V1-V2 |
| ngEO-SUB-150-WEBC-FUN | Search results: Transfer to shopcart | T | NGEO-WEBC-VTC-0280 | V2 |
| ngEO-SUB-152-WEBC-FUN | Search results: Data access request | T | NGEO-WEBC-VTC-0110 | V1 |
| ngEO-SUB-153-WEBC-FUN | Search results: Data access request | T | NGEO-WEBC-VTC-0290 | V2 |
| ngEO-SUB-155-WEBC-FUN | Search results: Planned products' exception | T | NGEO-WEBC-VTC-0110  NGEO-WEBC-VTP-0280 | V1 |
| ngEO-SUB-156-WEBC-FUN | My Account: Shopcarts management | T | NGEO-WEBC-VTP-0270 | V2 |
| ngEO-SUB-157-WEBC-FUN | My Account: Data access requests management | T | NGEO-WEBC-VTC-0140 | V1 |
| ngEO-SUB-158-WEBC-FUN | Product direct download | T | NGEO-WEBC-VTC-0150  NGEO-WEBC-VTC-0290 | V1-V2 |
| ngEO-SUB-159-WEBC-FUN | Data access request types | T | NGEO-WEBC-VTC-0110  NGEO-WEBC-VTC-0120  NGEO-WEBC-VTC-0320 | V1-V2 |
| ngEO-SUB-160-WEBC-FUN | Simple data access | T | NGEO-WEBC-VTC-0110 | V1 |
| ngEO-SUB-161-WEBC-FUN | Enhanced data access | T | NGEO-WEBC-VTC-0320 | V2 |
| ngEO-SUB-162-WEBC-FUN | Special Download Option Values | T | NGEO-WEBC-VTC-0177 | V1-V2 |
| ngEO-SUB-163-WEBC-FUN | Standing order | T | NGEO-WEBC-VTC-0120 | V1 |
| ngEO-SUB-164-WEBC-FUN | Standing order Types | T | NGEO-WEBC-VTC-0120  NGEO-WEBC-VTC-0125  NGEO-WEBC-VTC-0140  NGEO-WEBC-VTC-0290 | V1-V2 |
| ngEO-SUB-165-WEBC-FUN | Standing order Pause/Resume | T | NGEO-WEBC-VTC-0140 | V1 |
| ngEO-SUB-166-WEBC-FUN | Standing order with processing | T | NGEO-WEBC-VTC-0320 | V2 |
| ngEO-SUB-167-WEBC-FUN | Data Access Requests and Standing Orders monitoring | T | NGEO-WEBC-VTC-0140 | V1 |
| ngEO-SUB-168-WEBC-FUN | My Account Handling | T | NGEO-WEBC-VTC-0130  NGEO-WEBC-VTC-0131  NGEO-WEBC-VTC-0140  NGEO-WEBC-VTC-0250 | V1-V2 |
| ngEO-SUB-169-WEBC-FUN | Assignment of a Data access request | T | NGEO-WEBC-VTC-0110  NGEO-WEBC-VTC-0115 | V1 |
| ngEO-SUB-170-WEBC-FUN | Estimated download Size | T | NGEO-WEBC-VTC-0110 | V1 |
| ngEO-SUB-175-WEBC-FUN | My Account functions | T | NGEO-WEBC-VTC-0130  NGEO-WEBC-VTC-0131  NGEO-WEBC-VTC-0140  NGEO-WEBC-VTC-0270 | V1-V2 |
| ngEO-SUB-176-WEBC-FUN | Sharing of shopcarts | T | NGEO-WEBC-VTC-0270 | V2 |
| ngEO-SUB-177-WEBC-FUN | Sharing of interface context | T | NGEO-WEBC-VTC-0200  NGEO-WEBC-VTC-0210 | V1 |
| ngEO-SUB-179-WEBC-FUN | User Authorizations | T | See Issue 877 | V2 |
| ngEO-SUB-180-WEBC-FUN | User Categories | T | See Issue 877 | V2 |
| ngEO-SUB-181-WEBC-FUN | Inquiries | T | NGEO-WEBC-VTC-0260 | V1-V2 |
| ngEO-SUB-182-WEBC-FUN | Inquiries Types | T | NGEO-WEBC-VTC-0260 | V1 |
| ngEO-SUB-183-WEBC-FUN | Help | T | NGEO-WEBC-VTC-0180 | V1 |
| ngEO-SUB-184-WEBC-FUN | Help chapters | T | NGEO-WEBC-VTC-0180 | V1 |
| ngEO-SUB-185-WEBC-FUN | Button description | T | NGEO-WEBC-VTC-0180 | V1 |
| ngEO-SUB-186-WEBC-FUN | DataSet Description | T | NGEO-WEBC-VTC-0020 | V2 |
| ngEO-SUB-187-WEBC-FUN | Useful links | T | NGEO-WEBC-VTC-0130 | V1 |
| ngEO-SUB-188-WEBC-FUN | 3D Browse/ Vertical Curtain | T | Out of scope for task 4 | V1 |
| ngEO-SUB-189-WEBC-FUN | Dataset selection by auto completion | T | NGEO-WEBC-VTC-0070 | V1 |
| ngEO-SUB-201-WEBC-OPE | Browsers' accessibility | T | NGEO-WEBC-VTC-0010 | V1 |
| ngEO-SUB-202-WEBC-OPE | OS accessibility | R | NGEO-WEBC-VRC-1000/  NGEO-WEBC-PFC-1007 | V1 |
| ngEO-SUB-203-WEBC-OPE | GUI customisation | R | NGEO-WEBC-VIC-2000/  NGEO-WEBC-PFC-2005 | V1 |
| ngEO-SUB-204-WEBC-OPE | Plug-in | R | NGEO-WEBC-VRC-1000/  NGEO-WEBC-PFC-1008 | V1 |
| ngEO-SUB-205-WEBC-OPE | Date | R | NGEO-WEBC-VRC-1000/  NGEO-WEBC-PFC-1009 | V1 |
| ngEO-SUB-206-WEBC-OPE | Configuration | R | NGEO-WEBC-VIC-2000/  NGEO-WEBC-PFC-2002 | V1 |
| ngEO-SUB-207-WEBC-OPE | URLs length | R | NGEO-WEBC-VIC-2000/  NGEO-WEBC-PFC-2003 | V1 |
| ngEO-SUB-215-WEBC-OPE | "Skinnable" GUI | R | NGEO-WEBC-VRC-1000/  NGEO-WEBC-PFC-1010 | V1 |
| ngEO-SUB-301-WEBC-INT | Web server | D | NGEO-WEBC-VIC-2000/  NGEO-WEBC-PFC-2001 | V1-V2 |
| ngEO-SUB-302-WEBC-INT | Product facility | T | NGEO-WEBC-VTC-0150 | V1 |
| ngEO-SUB-301-WEBC-INT | Web server | T | NGEO-WEBC-VTC-0060  NGEO-WEBC-VTC-0270  NGEO-WEBC-VTC-0280 | V1-V2 |
| ngEO-SUB-304-WEBC-INT | WFS interface | T | NGEO-WEBC-VTC-0095 | V1 |
| ngEO-SUB-305-WEBC-INT | Web services interface | T | NGEO-WEBC-VTC-0224 | V1 |
| ngEO-SUB-306-WEBC-INT | Device's local file system | T | NGEO-WEBC-VTC-0190  NGEO-WEBC-VTC-0230 | V1 |
| ngEO-SUB-401-WEBC-RAM | Operational life | R | N/A | V1 |
| ngEO-SUB-402-WEBC-RAM | Availability | R | N/A | V1 |
| ngEO-SUB-701-WEBC-PER | Response time | D | NGEO-WEBC-PFC-2006 | V1 |
| ngEO-SUB-703-WEBC-PER | Datasets | T | NGEO-WEBC-VTC-0020 | V2 |
| ngEO-SUB-704-WEBC-PER | Shopcarts | T | NGEO-WEBC-VTC-0270 | V2 |
| ngEO-SUB-705-WEBC-PER | Web Client loading | D | NGEO-WEBC-VTC-0015 | V1 |
| ngEO-SUB-800-WEBC-TVA | Web Server simulator | T | NGEO-WEBC-VTC-0010  NGEO-WEBC-VTC-0270  NGEO-WEBC-VTC-0280 | V1 |

## Test cases to requirements

| **Test Cases** | **Test Case Title** | **SSRD-WC Requirement ID** |
| --- | --- | --- |
| NGEO-WEBC-VTC-0010 | Installation of Web Client and home page check | ngEO-SUB-001-WEBC-DES  ngEO-SUB-002-WEBC-DES  ngEO-SUB-015-WEBC-DES  ngEO-SUB-101-WEBC-FUN  ngEO-SUB-105-WEBC-FUN  ngEO-SUB-800-WEBC-TVA  ngEO-SUB-201-WEBC-OPE  ngEO-SUB-705-WEBC-PER |
| NGEO-WEBC-VTC-0020 | Dataset selection | ngEO-SUB-103-WEBC-FUN  ngEO-SUB-111-WEBC-FUN  ngEO-SUB-113-WEBC-FUN  ngEO-SUB-114-WEBC-FUN  ngEO-SUB-186-WEBC-FUN  ngEO-SUB-703-WEBC-PER |
| NGEO-WEBC-VTC-0030 | Simple search formulation | ngEO-SUB-102-WEBC-FUN  ngEO-SUB-124-WEBC-FUN  ngEO-SUB-128-WEBC-FUN |
| NGEO-WEBC-VTC-0040 | Search results in a table | ngEO-SUB-028-WEBC-DES  ngEO-SUB-043-WEBC-DES  ngEO-SUB-137-WEBC-FUN  ngEO-SUB-138-WEBC-FUN  ngEO-SUB-139-WEBC-FUN  ngEO-SUB-140-WEBC-FUN |
| NGEO-WEBC-VTC-0050 | Search results on the map | ngEO-SUB-030-WEBC-DES  ngEO-SUB-034-WEBC-DES  ngEO-SUB-141-WEBC-FUN |
| NGEO-WEBC-VTC-0060 | Browse visualization | ngEO-SUB-033-WEBC-DES  ngEO-SUB-034-WEBC-DES  ngEO-SUB-143-WEBC-FUN  ngEO-SUB-303-WEBC-INT |
| NGEO-WEBC-VTC-0070 | Filtered dataset selection | ngEO-SUB-112-WEBC-FUN  ngEO-SUB-189-WEBC-FUN |
| NGEO-WEBC-VTC-0080 | Searching with a URL | ngEO-SUB-014-WEBC-DES  ngEO-SUB-048-WEBC-DES  ngEO-SUB-049-WEBC-DES  ngEO-SUB-131-WEBC-FUN  ngEO-SUB-132-WEBC-FUN  ngEO-SUB-133-WEBC-FUN |
| NGEO-WEBC-VTC-0090 | Map background | ngEO-SUB-022-WEBC-DES  ngEO-SUB-036-WEBC-DES  ngEO-SUB-104-WEBC-FUN  ngEO-SUB-115-WEBC-FUN |
| NGEO-WEBC-VTC-0095 | Map data layers | ngEO-SUB-031-WEBC-DES  ngEO-SUB-035-WEBC-DES  ngEO-SUB-106-WEBC-FUN  ngEO-SUB-110-WEBC-FUN  ngEO-SUB-304-WEBC-INT |
| NGEO-WEBC-VTC-0100 | Map navigation and selection | ngEO-SUB-109-WEBC-FUN  ngEO-SUB-107-WEBC-FUN |
| NGEO-WEBC-VTC-0110 | Simple data access request | ngEO-SUB-102-WEBC-FUN  ngEO-SUB-152-WEBC-FUN  ngEO-SUB-149-WEBC-FUN  ngEO-SUB-155-WEBC-FUN  ngEO-SUB-159-WEBC-FUN  ngEO-SUB-160-WEBC-FUN  ngEO-SUB-169-WEBC-FUN  ngEO-SUB-170-WEBC-FUN |
| NGEO-WEBC-VTC-0120 | Standing order data access request | ngEO-SUB-050-WEBC-DES  ngEO-SUB-159-WEBC-FUN  ngEO-SUB-163-WEBC-FUN  ngEO-SUB-164-WEBC-FUN |
| NGEO-WEBC-VTC-0130 | Download Manager Monitoring | ngEO-SUB-168-WEBC-FUN  ngEO-SUB-175-WEBC-FUN  ngEO-SUB-187-WEBC-FUN |
| NGEO-WEBC-VTC-0131 | Download Manager Monitoring : No download managers | ngEO-SUB-168-WEBC-FUN  ngEO-SUB-175-WEBC-FUN |
| NGEO-WEBC-VTC-0140 | Data Access Requests Monitoring | ngEO-SUB-157-WEBC-FUN  ngEO-SUB-164-WEBC-FUN  ngEO-SUB-165-WEBC-FUN  ngEO-SUB-167-WEBC-FUN  ngEO-SUB-168-WEBC-FUN  ngEO-SUB-175-WEBC-FUN |
| NGEO-WEBC-VTC-0150 | Direct Download | ngEO-SUB-038-WEBC-DES  ngEO-SUB-102-WEBC-FUN  ngEO-SUB-158-WEBC-FUN  ngEO-SUB-302-WEBC-INT |
| NGEO-WEBC-VTC-0160 | Advanced search criteria | ngEO-SUB-026-WEBC-DES  ngEO-SUB-122-WEBC-FUN  ngEO-SUB-123-WEBC-FUN  ngEO-SUB-124-WEBC-FUN |
| NGEO-WEBC-VTC-0165 | Advanced search criteria updated with dataset changes | ngEO-SUB-116-WEBC-FUN  ngEO-SUB-121-WEBC-FUN  ngEO-SUB-132-WEBC-FUN |
| NGEO-WEBC-VTC-0170 | Download options | ngEO-SUB-026-WEBC-DES  ngEO-SUB-130-WEBC-FUN |
| NGEO-WEBC-VTC-0173 | Download options update from result table | ngEO-SUB-148-WEBC-FUN |
| NGEO-WEBC-VTC-0175 | Download options update with the selected dataset | ngEO-SUB-121-WEBC-FUN |
| NGEO-WEBC-VTC-0180 | Help | ngEO-SUB-183-WEBC-FUN  ngEO-SUB-185-WEBC-FUN  ngEO-SUB-184-WEBC-FUN |
| NGEO-WEBC-VTC-0190 | Import | ngEO-SUB-061-WEBC-DES  ngEO-SUB-108-WEBC-FUN  ngEO-SUB-306-WEBC-INT |
| NGEO-WEBC-VTC-0200 | Search Shared URL | ngEO-SUB-013-WEBC-DES  ngEO-SUB-177-WEBC-FUN |
| NGEO-WEBC-VTC-0210 | Data-driven Standing Order Shared URL | ngEO-SUB-013-WEBC-DES  ngEO-SUB-177-WEBC-FUN |
| NGEO-WEBC-VTC-0215 | Time-driven Standing Order Shared URL | ngEO-SUB-013-WEBC-DES  ngEO-SUB-177-WEBC-FUN |
| NGEO-WEBC-VTC-0220 | Zone of interest : draw | ngEO-SUB-126-WEBC-FUN  ngEO-SUB-108-WEBC-FUN |
| NGEO-WEBC-VTC-0224 | Zone of interest : gazetteer | ngEO-SUB-037-WEBC-DES  ngEO-SUB-126-WEBC-FUN  ngEO-SUB-108-WEBC-FUN |
| NGEO-WEBC-VTC-0228 | Zone of interest : manual polygon | ngEO-SUB-126-WEBC-FUN  ngEO-SUB-108-WEBC-FUN |
| NGEO-WEBC-VTC-0230 | Export | ngEO-SUB-063-WEBC-DES  ngEO-SUB-306-WEBC-INT |
| NGEO-WEBC-VTC-0240 | Time Slider | ngEO-SUB-129-WEBC-FUN |
| NGEO-WEBC-VTC-0250 | User Preferences | ngEO-SUB-168-WEBC-FUN |
| NGEO-WEBC-VTC-0260 | Inquiries | ngEO-SUB-181-WEBC-FUN  ngEO-SUB-182-WEBC-FUN |
| NGEO-WEBC-VTC-0270 | Shopcart Management | ngEO-SUB-026-WEBC-DES  ngEO-SUB-039-WEBC-DES  ngEO-SUB-040-WEBC-DES  ngEO-SUB-042-WEBC-DES  ngEO-SUB-156-WEBC-FUN  ngEO-SUB-175-WEBC-FUN  ngEO-SUB-176-WEBC-FUN  ngEO-SUB-301-WEBC-INT  ngEO-SUB-800-WEBC-TVA  ngEO-SUB-704-WEBC-PER |
| NGEO-WEBC-VTC-0280 | Shopcart as Data Access Service | ngEO-SUB-026-WEBC-DES  ngEO-SUB-039-WEBC-DES  ngEO-SUB-040-WEBC-DES  ngEO-SUB-041-WEBC-DES  ngEO-SUB-042-WEBC-DES  ngEO-SUB-106-WEBC-FUN  ngEO-SUB-149-WEBC-FUN  ngEO-SUB-150-WEBC-FUN  ngEO-SUB-155-WEBC-FUN  ngEO-SUB-301-WEBC-INT  ngEO-SUB-800-WEBC-TVA |
| NGEO-WEBC-VTC-0290 | Dataset Authorization | ngEO-SUB-114-WEBC-FUN  ngEO-SUB-121-WEBC-FUN  ngEO-SUB-144-WEBC-FUN  ngEO-SUB-153-WEBC-FUN  ngEO-SUB-158-WEBC-FUN  ngEO-SUB-164-WEBC-FUN |
| NGEO-WEBC-VTC-0300 | Multiple Dataset Search | ngEO-SUB-117-WEBC-FUN  ngEO-SUB-118-WEBC-FUN |
| NGEO-WEBC-VTC-0310 | Interferometry | ngEO-SUB-046-WEBC-DES  ngEO-SUB-134-WEBC-FUN  ngEO-SUB-135-WEBC-FUN  ngEO-SUB-142-WEBC-FUN |
| NGEO-WEBC-VTC-0315 | Interferometry support | ngEO-SUB-119-WEBC-FUN |
| NGEO-WEBC-VTC-0320 | Hosted processing | ngEO-SUB-026-WEBC-DES  ngEO-SUB-159-WEBC-FUN  ngEO-SUB-161-WEBC-FUN  ngEO-SUB-166-WEBC-FUN |
| NGEO-WEBC-VTC-0330 | Gantt chart | ngEO-SUB-026-WEBC-DES  ngEO-SUB-145-WEBC-FUN  ngEO-SUB-146-WEBC-FUN  ngEO-SUB-147-WEBC-FUN |

## Test cases to procedures

| **Test Case** | **Test Case Title** | **Test procedures** |
| --- | --- | --- |
| NGEO-WEBC-VTC-0010 | Installation of Web Client and home page check | NGEO-WEBC-VTP-0010  NGEO-WEBC-VTP-0015 |
| NGEO-WEBC-VTC-0020 | Dataset selection | NGEO-WEBC-VTP-0020 |
| NGEO-WEBC-VTC-0030 | Simple search formulation | NGEO-WEBC-VTP-0030 |
| NGEO-WEBC-VTC-0040 | Search results in a table | NGEO-WEBC-VTP-0040  NGEO-WEBC-VTP-0045 |
| NGEO-WEBC-VTC-0050 | Search results on the map | NGEO-WEBC-VTP-0050 |
| NGEO-WEBC-VTC-0060 | Browse visualization | NGEO-WEBC-VTP-0060 |
| NGEO-WEBC-VTC-0070 | Filtered dataset selection | NGEO-WEBC-VTP-0070 |
| NGEO-WEBC-VTC-0080 | Searching with a URL | NGEO-WEBC-VTP-0080 |
| NGEO-WEBC-VTC-0090 | Map background | NGEO-WEBC-VTP-0090 |
| NGEO-WEBC-VTC-0095 | Map data layers | NGEO-WEBC-VTP-0095 |
| NGEO-WEBC-VTC-0100 | Map navigation and selection | NGEO-WEBC-VTP-0100 |
| NGEO-WEBC-VTC-0110 | Simple data access request | NGEO-WEBC-VTP-0110  NGEO-WEBC-VTP-0115 |
| NGEO-WEBC-VTC-0120 | Standing order data access request | NGEO-WEBC-VTP-0120  NGEO-WEBC-VTP-0125 |
| NGEO-WEBC-VTC-0130 | Download Manager Monitoring | NGEO-WEBC-VTP-0130 |
| NGEO-WEBC-VTC-0131 | Download Manager Monitoring : No download managers | NGEO-WEBC-VTP-0131 |
| NGEO-WEBC-VTC-0140 | Data Access Requests Monitoring | NGEO-WEBC-VTP-0140 |
| NGEO-WEBC-VTC-0150 | Direct Download | NGEO-WEBC-VTP-0150 |
| NGEO-WEBC-VTC-0160 | Advanced search criteria | NGEO-WEBC-VTP-0160 |
| NGEO-WEBC-VTC-0165 | Advanced search criteria updated with dataset changes | NGEO-WEBC-VTP-0165 |
| NGEO-WEBC-VTC-0170 | Download options | NGEO-WEBC-VTP-0170 |
| NGEO-WEBC-VTC-0173 | Download options update from result table | NGEO-WEBC-VTP-0173 |
| NGEO-WEBC-VTC-0175 | Download options update with the selected dataset | NGEO-WEBC-VTP-0175  NGEO-WEBC-VTP-0177 |
| NGEO-WEBC-VTC-0180 | Help | NGEO-WEBC-VTP-0180 |
| NGEO-WEBC-VTC-0190 | Import | NGEO-WEBC-VTP-0190 |
| NGEO-WEBC-VTC-0200 | Search Shared URL | NGEO-WEBC-VTP-0200 |
| NGEO-WEBC-VTC-0210 | Data-driven Standing Order Shared URL | NGEO-WEBC-VTP-0210 |
| NGEO-WEBC-VTC-0215 | Time-driven Standing Order Shared URL | NGEO-WEBC-VTP-0215 |
| NGEO-WEBC-VTC-0220 | Zone of interest : draw | NGEO-WEBC-VTP-0220 |
| NGEO-WEBC-VTC-0224 | Zone of interest : gazetteer | NGEO-WEBC-VTP-0224 |
| NGEO-WEBC-VTC-0228 | Zone of interest : manual polygon | NGEO-WEBC-VTP-0228 |
| NGEO-WEBC-VTC-0230 | Export | NGEO-WEBC-VTP-0230 |
| NGEO-WEBC-VTC-0240 | Time Slider | NGEO-WEBC-VTP-0240 |
| NGEO-WEBC-VTC-0250 | User Preferences | NGEO-WEBC-VTP-0250 |
| NGEO-WEBC-VTC-0260 | Inquiries | NGEO-WEBC-VTP-0260 |
| NGEO-WEBC-VTC-0270 | Shopcart Management | NGEO-WEBC-VTP-0270 |
| NGEO-WEBC-VTC-0280 | Shopcart as Data Access Service | NGEO-WEBC-VTP-0280 |
| NGEO-WEBC-VTC-0290 | Dataset Authorization | NGEO-WEBC-VTP-0290 |
| NGEO-WEBC-VTC-0300 | Mutliple Dataset Search | NGEO-WEBC-VTP-0300 |
| NGEO-WEBC-VTC-0310 | Interferometry | NGEO-WEBC-VTP-0310 |
| NGEO-WEBC-VTC-0315 | Interferometry support | NGEO-WEBC-VTP-0315 |
| NGEO-WEBC-VTC-0320 | Hosted processing | NGEO-WEBC-VTP-0320 |

## Interfaces to Test Cases

| **Interface** | **Role** | **Test Cases** |
| --- | --- | --- |
| IF-ngEO-WebClientConfigurationData | retrieve the client own configuration data | NGEO-WEBC-VTC-0015 |
| IF-ngEO-DatasetPopulationMatrix | Get the list of datsets and their related criteria. | NGEO-WEBC-VTC-0020 |
| IF-ngEO-DatasetSearchInfo | Get the information details of a dataset: description, download options, search criteria, start, stop dates. | NGEO-WEBC-VTC-0020  NGEO-WEBC-VTC-0160  NGEO-WEBC-VTC-0165  NGEO-WEBC-VTC-0170  NGEO-WEBC-VTC-0173  NGEO-WEBC-VTC-0175 |
| IF-ngEO-UserDlManagersConfigData | Get the list of download managers and their information details. | NGEO-WEBC-VTC-0110  NGEO-WEBC-VTC-0120  NGEO-WEBC-VTC-0125 NGEO-WEBC-VTC-0130 |
| IF-ngEO-DownloadManagerChange | Change the status of a download manager | NGEO-WEBC-VTC-0130 |
| IF-ngEO-DataAccessRequest | Submit data access requests either simple or standing order requests | NGEO-WEBC-VTC-0110  NGEO-WEBC-VTC-0115  NGEO-WEBC-VTC-0120  NGEO-WEBC-VPC-0125 |
| IF-ngEO-DataAccessRequestStatus | Interface used by the Web Client to monitor / change the status of data access request | NGEO-WEBC-VTC-0140 |
| IF-ngEO-DownloadHelper | This interface allows a Web Client to safely trigger a local Download Manager as an helper application, regardless of the format of the product URI. | NGEO-WEBC-VTC-0150 |
| IF-ngEO-CatalogueSearch |  | NGEO-WEBC-VTC-0040  NGEO-WEBC-VTC-0050 |
| IF-ngEO-UserShopCartsConfigData | This interface allows the web client to retrieve configuration information related to available shopcarts. | NGEO-WEBC-VTC-0270 |
| IF-ngEO-ShopCartManagement | This interface allows the web client to manage the shopcarts (create, rename, update, load…) | NGEO-WEBC-VTC-0270  NGEO-WEBC-VTC-0280 |
| IF-ngEO-DatasetAuthorization | This interface allows the web client to know the dataset authorization for the current user. | NGEO-WEBC-VTC-0290 |
| IF-ngEO-HostedProcessingList | This interface allows the web client to know the available hosted processing. | NGEO-WEBC-VTC-0320 |

END OF DOCUMENT