Sentient VOC Monitoring System

Use Case: Retrieve VOC location from map

Version <2.0>

Revision History

|  |  |  |  |
| --- | --- | --- | --- |
| **Date** | **Version** | **Description** | **Author** |
| <12/02/14> | <1.0> | Document Creation | Charles Durand |
| <2/26/14> | <2.0> | Made corrections | Thyanna Voisine |
|  |  |  |  |
|  |  |  |  |

Table of Contents

1. Retrieve VOC location from map 1

1.1 Brief Description 1

1.2 Requirements Trace 1

1.3 Involved Actors 1

1.4 Preconditions 1

1.5 Post conditions 1

1.6 Invariants 1

2. Flow of Events 1

2.1 Basic Flow 1

2.2 Alternate Course – None 1

3. Extension Points 1

4. Scenarios 2

4.1 Happy Day 2

4.2 Rainy Day 1 – Unable to Manually Locate Embedded VOC System 2

Use Case: Retrieve VOC location from map

# Retrieve VOC location from map

## Brief Description

This use case gives a general user the ability to search and locate an embedded VOC system using a Google Maps map. This will allow the user to quickly locate embedded VOC systems and retrieve the embedded VOC system’s information.

## Requirements Trace

4.3

## Involved Actors

General User

## Preconditions

* The user has access to a computer with an internet connection.

## Post conditions

* The User has retrieved an embedded VOC system’s location and information.

## Invariants

* At least one embedded VOC system is installed anywhere.

# Flow of Events

## Basic Flow

This use case starts when the general user wants to locate an embedded VOC system.

1. User logs on to a computer with internet access and launches Google Chrome or Mozilla Firefox.
2. User locates the embedded VOC system map page on the Sentient website.
3. User Navigates the Google map and either manually locates or searches by a parameter to find an embedded VOC system marker.
4. User clicks on marker to access the embedded VOC system’s information.
5. User records the embedded VOC system’s name, specific VOC being monitored, and last recorded VOC levels.
6. User accesses a link to the embedded VOC system’s recorded data archive to compare average VOC levels.

## Alternate Course – None

# Extension Points

None

# Scenarios

## Happy Day

Assumptions: General User – Harry

User’s computer – At login screen.

Steps:

1. Harry logs on to a computer with internet access and launches Google Chrome or Mozilla Firefox.
2. Harry locates the embedded VOC system map page on the Sentient website.
3. Harry Navigates the Google map and manually locates an embedded VOC system marker.
4. Harry clicks on marker to access the embedded VOC system’s information.
5. Harry records the embedded VOC system’s name, specific VOC being monitored, and last recorded VOC levels.
6. Harry accesses a link to the embedded VOC system’s recorded data archive to compare average VOC levels.

## Rainy Day 1 – Unable to Manually Locate Embedded VOC System

Assumptions: General User – Harry

User’s computer – At login screen.

Steps:

1. Harry logs on to a computer with internet access and launches Google Chrome or Mozilla Firefox.
2. Harry locates the embedded VOC system map page on the Sentient website.
3. Harry is unable to manually locate an embedded VOC system in his area.
4. Harry uses the search function to locate an embedded VOC system just outside his area.
5. Harry clicks on marker to access the embedded VOC system’s information.
6. Harry records the embedded VOC system’s name, specific VOC being monitored, and last recorded VOC levels.
7. Harry accesses a link to the embedded VOC system’s recorded data archive to compare average VOC levels.