Internal Documentation to Accompany the Widget Code

# Widget.js

This contains all the JS code used by the widget

The working copy is found in \4624 - ECAN\GIS\Web AppBuilder\arcgis-web-appbuilder-1.1\server\apps\4\widgets\TripDistanceCalculator

Sometimes these changes may need to be copied to \4624 - ECAN\GIS\Web AppBuilder\arcgis-web-appbuilder-1.1\client\stemapp\widgets\TripDistanceCalculator

## Further work

Adding the ability to delete individual consents added to the map

Add depots by address not x/y

Add point to map when depot is searched for

## Function List

### Toggle\_visibility

Toggles the visibility of div elements (universal

### QueryString

Takes any variables (provided it’s a tripID or CRC) passed through in the URL and stores them in a variable

### Define

Following all the defines is some code that sets up some required variables. These are mainly general/default variable that will be used across the other functions. This like layers, markers and renderers.

### postCreate

A default function

### Closest

This function works out which depot each consent is closest to. It will also format and output the results to a div

### Excess

This will assign each consent to layer with the correct depot. Once all consents have been assigned, it will solve a route to find the chargeable distance. It pushes the result to a DIV

### Search

Using a query service, this searches for a consent. By clicking the find button, the map will zoom to the point (handy to have the consents layer turned on – it is slow however).

### searchURL

Similar to search, but automates all the processes

### consentDisplay

Follows on from search and searchURL. This will add the location to the map and add to a list of consents that is displayed.

### Location

Function for searching for a location instead of a consent.

### Clear

Clears the map of all locations and resets the consent fields.

### Route

Also includes a bunch of checks to ensure that values are being passed into the routeTask. This function will clear any existing routes and add the new route to the map and zoom to the extent.

### Return

This function is called when the user clicks on the Return to trip splitter button. It formats all necessary values appends them to the url and passes it through to the trip splitter.

### Stratup

This runs when the widget is first started. It initializes the geocoders and creates a layer for the depots to be placed in.

# Widget.html

This contains the HTML for the widget. Everything is displayed in here.

# Config.json

There are two config files

1. \4624 - ECAN\GIS\Web AppBuilder\arcgis-web-appbuilder-1.1\server\apps\4\**configs**\TripDistanceCalculator
2. \4624 - ECAN\GIS\Web AppBuilder\arcgis-web-appbuilder-1.1\server\apps\4\**widgets**\TripDistanceCalculator

Not sure what the difference is, but I have kept them both the same throughout the development. These contain the configuration variables for the widget.