Amsterdam Open Beacon Network - Beacon Attachments

This document is an appendix to the Google Codelab to use the Amsterdam Open Beacon Network. It provides some information on the test beacons that can be used for test purposes. Please refer to the Google documentation for technical info.

Test beacons
Currently, a small set of approximately 100 beacons are located in the City Center of Amsterdam. They're all installed on public transport-related locations: half of them are on a static location (ferry-, bus-, tram-stop or metro station) and the other half on moving vehicles (ferry, bus, tram or metro):
- 4 beacons on one ferry
- 2 beacons at the ferry stop at Central Station
- 12 beacons on 5 different GVB busses
- 8 beacons on 3 different GVB trams
- 22 beacons on 5 different GVB metro's
- 12 beacons on either side of the Weesperplein metro station platforms
- 6 beacons in the Nieuwmarkt metro station platform
- 10 beacons on either side of the Van der Madeweg metro station platforms in the direction of Central Station
- 22 beacons in different bus- and tram stops around Central Station and in the

These beacons can be used by app developers to test the Amsterdam Open Beacon Network.

Please be aware:
- These beacons are for testing purposes only. They will be removed in the next phase of the Amsterdam Open Beacon Network project.
- These beacons differ from the beacons that will be used for the 'real' implementation:
  o These beacons only broadcasts only signals according to the Eddystone format. The actual beacons will also send iBeacon signals.
  o The strength of the signals of the current beacons vary from place to place. The actual beacons will have the same power signal strength for each type of beacon (stop, bus, tram, etc.)
- Beacons at metro stations may soon disappear because of renovation/construction works.

Attachments

All beacons have one or more attachments, all using the same namespace:

Namespace: amsterdam-open-beacon-network

All beacons have an attachment amsterdam-open-beacon-network/type, specifying the type of the beacon. There are seven type of beacons:

- Ferry
- Ferry_stop
- Bus
- Tram
- Metro
- Metro_station
- Tram/Bus_stop

Based on its type, various other attachments are added:

Type:	Ferry, Bus, Tram or Metro
vehicle_number	Vehicle number as specified by GVB. This specifies the vehicle, but doesn't specify the line it is running on, since that may differ every day. *Example: 2135*

experimental_link_for_current_location	To do know on what line the vehicle is running and what is its current location, we do provide an experimental link which provides this information in real-time, in JSON.
	
	Example: http://tools.amsterdamopendata.nl/Google/gtfs/currentlocation.php?vehicle_number=2135
	
	Example result using this link:
	[{
	    id: "2016-07-12:GVB:12:225",
	    vehiclenr: "2135",
	    route_id: "474",
	    line: 12,
	    label: "Amstelstation - Station Sloterdijk",
	    direction_id: 1,
	    current_stop_sequence: 9,
	    latitude: 52.3708267212,
	    longitude: 4.86985397339
	}]
	
	Source of this info is: http://gtfs.openov.nl/gtfs-rt/vehiclePositions.pb

Type:	Ferry_stop, Metro_station or Tram/Bus_stop
stop_name	Name of the stop *Example:* Nieuwmarkt
stop_id	ID of the stop, as used bij NDOV Loket *Example*: NL:S:30009502
Platform	Name of the platform *Example:* Platform direction Amstel
address	If available, the address of the stop *Example:* Damrak nr. 98,Amsterdam