Best Practices for Large Circular Zones

This document contains some simple guidelines for using the Contigo 65XX series of beacons with large zones defined using scenarios. The beacon manufacturer has defined a "large" circular zone as having a radius of greater than one kilometer.

Inconsistent zone-based events may be generated from large zones that are either overlapping, or are situated very close together.

As indicated in the diagram below, a good rule of thumb for large zones is to ensure the midpoint of the line connecting the center of the two zones lies outside of either zone.

Example A will not exhibit any issues as the midpoint between the two zones is outside both zone borders. For example B, however, these zones are too close together and may be problematic since the midpoint lies within the larger of the two zones.