



# Sequence For GeoVector Pointing Service

**Peter Ellenby**  
**Director, New Media**  
**[peter@geovector.com](mailto:peter@geovector.com)**

**GEOVECTOR CORPORATION CONFIDENTIAL INFORMATION**

**DOCUMENT:**  
Sequence for GeoVector Pointing Service

**AUTHOR:**  
Peter Ellenby

**VERSION:**  
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**GeoVector.**

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# GeoVector Search Sequence



- > A GeoVector user has decided to initiate a Pointing Search
- > The street is long and cluttered. Are there any fast-food outlets in that direction?

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# GeoVector Search Sequence



- > The user initiates the search by pointing the phone down the street and pressing the search button
- > Preferences for the search are selected, e.g.. fast food, shopping etc., or user default preferences are used
- > The user authentication process is initiated at the GViD Pointing Access Platform
- > The positioning of the handset is initiated

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# GeoVector Search Sequence



- > The KDDI Location Server determines the position of the handset and transmits the position back to the device
  - > note that on most occasions location determination can be accomplished by the handset without server assistance
- > The GeoVector BREW Application requests the direction from handset compass
- > Position, direction & search preferences are sent to the GViD Pointing Access Platform
- > User Authentication is completed

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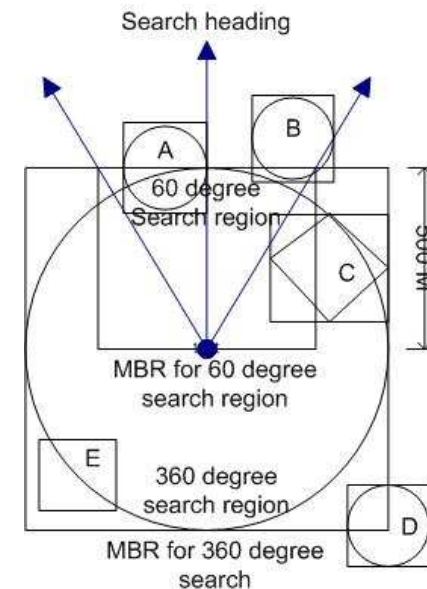
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# GeoVector Search Sequence



- > The GViD Pointing Access Platform performs the search  
GeoVector proprietary searches make use of multiple methods. This example shows the use of minimum bounded rectangles (MBR) to reduce search time:



- > The results of the search are returned to the user

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# GeoVector Search Sequence



- > The user selects McDonalds and is presented with several options
- > Since it's a holiday the user decides to call to see if they are open today and to find out if the place is crowded

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# GeoVector Search Sequence



- > The GVID Pointing Access Platform provides the telephone number and the call is initiated: the user verifies that McDonalds is indeed open and that he will be served right away
- > Once the call is over the user returns to the GeoVector BREW application

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# GeoVector Search Sequence



> The user chooses 'Specials' from the menu

> The user is sent to the McDonalds website through the GViD Pointing Access Platform enabling McDonalds to track how the customer query arrived at their website.

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# GeoVector Search Sequence



- > The user's browser loads the McDonald's website and is shown the specials

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# GeoVector Search Sequence



- > After viewing the specials the user goes back to the GeoVector BREW application and uses the Guide Me function to navigate to the restaurant
- > Another happy pointing customer !

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# End of Presentation GeoVector Corporation

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