UseCaseID	UC-VR001
Module	VoterRegistration
SubModule	
Summary	Search for voter

Description	Users may search for voters to:
	   a.) Retrieve local and statewide registration information about specific voters
	   b.) Retrieve voter information and edit voter record details (if appropriate security)
	   c.) Retrieve Election day information about voters
	   d.) Retrieve information of, or issue new, AV ballot
	   e.) Retrieve information of, or issue new, provisional record
	   f.) Locate any pending VoteCal records that need to be applied

Precondition	User has appropriate security role permissions

ExpectedResult	1. If Multiple results:
	  1.1. A sortable summary list of voter(s) matching search criteria is displayed, with pertinent identifying information, where items in the list are selectable to open the pertinent voter record.
	2. If a single result or the user specified a unique identifying ID such as EMS Voter ID, Driver License, State ID:
	  2.1. Pertinent voter information\modification screen is accessed.

DetailedProcessFlow	1. User makes selection to search for a voter
	  1.1. The system shall present data entry fields to search for voter(s). At a minimum these shall include:
	    1.1.1. EMS Voter ID
	    1.1.2. Affidavit
	    1.1.3. State ID
	    1.1.4. AV Ballot ID
	    1.1.5. Names (last, first, middle)
	    1.1.6. Birthdate
	    1.1.7. Address (house number, fraction, street and street type, pre- and post-directional, secondary unit and unit type, city)
	    1.1.8. Perm status
	    1.1.9. Precinct
	    1.1.10. District and district type
	    1.1.11. Registration date
	    1.1.12. Source and delivery of registration
	    1.1.13. Email
	    1.1.14. Phone number
	2. User enters data as search conditions
	  2.1. *Users shall be required to enter data in at least one search field.
	  2.2. *Users shall be able to select options to modify search behavior to include:
	    2.2.1. Barcode mode search
	    2.2.2. Phonetic, nickname or fuzzy match of names
	    2.2.3. Street alias
	    2.2.4. Optimized search (where if no voter is found the search fields are reduced or transposed using a set of known search criteria patterns to result in close matches)

	2.3. *Users shall be able to use wildcards. Wild cards shall include (SQL examples are given but could be any standard wildcard notation)
	2.3.1. Zero or more characters (%)
	2.3.2.A single character (_)
	2.3.3.A single number or letter (#,?)
	2.3.4.Ranges or lists and their negation (^[,])
	2.4. *System shall accept entry from a barcode reader
	2.4.1.Fields for barcode entry include:
	    2.4.1.1. EMS Voter ID
	    2.4.1.2. Driver License
	    2.4.1.3. State ID
	3. User executes search.
	3.1. User selects search to start
	3.2. *Barcode scan shall result in immediate search being executed and not require further user input afterwards.
	4. System displays results.
	4.1. If Multiple results:
	4.1.1.A summary list of voter(s) matching search criteria is displayed, with pertinent identifying information, where items in the list are selectable to open the pertinent voter record. Pertinent identifying information include:
	    4.1.1.1. EMS Voter ID
	    4.1.1.2. Affidavit
	    4.1.1.3. State ID
	    4.1.1.4. Names (last, first, middle)
	    4.1.1.5. Voter status
	    4.1.1.6. Birthdate
	    4.1.1.7. Address (house number, fraction, street and street type, pre- and post-directional, secondary unit and unit type, city)
	    4.1.1.8. Perm status
	    4.1.1.9. Precinct
	    4.1.1.10. Party
	    4.1.1.11. Registration date
	    4.1.1.12. Signature (security role permitting)
	    4.1.1.13. Language
	4.1.2.Users can sort results by any of the summary fields returned.
	4.1.3. *Users shall be able to return to original search screen to modify previously entered search parameters.
	4.1.4. *Users shall be able to cancel search and close search screen.
	4.1.5. *Confidential Voters shall only list name and redacted personally identifiable information unless user has a sufficient security role.
	4.2. If single voter result, or the user specified unique identifying ID such as EMS Voter ID, Driver License, State ID
	4.2.1.Pertinent voter information screen is accessed for viewing or modification.
	4.2.2. *A confidential voter's record shall only be accessed by a user with sufficient security role. A single result for a confidential voter should be list format with names and redacted personally identifiable information.

AlternateFlow	
Parent	

Requirements	UC-VR001-01 The system shall present data entry fields to search for voter(s). At a minimum these shall include:
	1. EMS Voter ID
	2. Affidavit
	3. State ID
	4. AV Ballot ID
	5. Names (last, first, middle)
	6. Birthdate
	7. Address (house number, fraction, street and street type, pre- and post-directional, secondary unit and unit type, city)
	8. Perm status
	9. Precinct
	10. District and district type
	11. Registration date
	12. Source and delivery of registration
	13. Email
	14. Phone number

UC-VR001-02 System shall be able to permit User to select options to modify search behavior to include:
1. Barcode mode search
2. Phonetic, nickname or fuzzy match of names
3. Street alias
4. Optimized search (where if no voter is found the search fields are reduced or transposed using a set of known search criteria patterns to result in close matches)

UC-VR001-03 Users shall be able to use wildcards. Wild cards shall include (SQL examples are given but could be any standard wildcard notation)
1. Zero or more characters (%)
2. A single character (_)
3. A single number or letter (#,?)
4. Ranges or lists and their negation (^[,])

UC-VR001-04 System shall accept entry from a barcode reader
1. Fields for barcode entry include:
2. EMS Voter ID
3. Driver License
4. State ID

UC-VR001-05 The system shall provide validation on data entered

UC-VR001-06 The system must permit the following voter record fields in matching search results set to be selectable for the system to drill down and return specific voter record metadata.
1.1. EMS Voter ID
1.2. Affidavit
1.3. State ID
1.4. Names (last, first, middle)
1.5. Voter status
1.6. Birthdate
1.7. Address (house number, fraction, street and street type, pre- and post-directional, secondary unit and unit type, city)
1.8. Perm status
1.9. Precinct
1.10. Party
1.11. Registration date
1.12. Signature (security role permitting)
1.13. Language

	UC-VR001-07 The system shall provide the capability to sort results by any summary fields returned UC-VR001-08 The system shall provide the capability to return to the original search screen to modify previously entered search parameters
RequirementID	
Risk	[List of Risk IDs]
Actors	[Actors that use Use Case]
Documents	[List of documentation name, Link or location]
Author	Stephen Murray 20181221
Signoff	Election operations management
Date	[Date Signed off as Complete]