

Summary of Data Validation Rules

This document presents a summary of the logical data validation rules as they are known to the Secretary of State (SOS) as of the date of this document. SOS does not represent that these rules are complete or exhaustive, and asserts that the rules are subject to change and further elaboration through the actual VoteCal system design and development processes.

SOS expects that the VoteCal will be designed and delivered to provide SOS administrators the capability to configure the actual validation rules (add new rules and modify existing rules) as well as to modify the Severity level assigned to each rule, without modification of the system processing code.

Definition of ‘Severity’ for Validation Errors

Critical errors – VoteCal will outright reject the record.

Deficiency errors – VoteCal will accept and process the record but will track the deficiency until resolved by the submitting county.

Voter Record Validations

Rule #	Description	Severity
V-1	Voter’s Last Name is missing or invalid	Critical
V-2	Voter First Name or Middle name fields contain invalid data	Deficient
V-3	Voter Name Suffix or Prefix is invalid	Deficient
V-4	Voter’s Residence is missing, incomplete or invalid and no Alternate Residence is provided	Critical
V-5	One or more residence address fields (e.g., street direction prefix, street type, state code) has invalid data	Deficient
V-6	One or more mailing address fields has invalid data	Deficient
V-7	Date of birth is missing or invalid <i>and</i> date of registration is after 1/1/1976	Critical
V-8	Gender code is invalid	Deficient
V-9	Place of birth is missing or invalid and voter registered on some form other than federal form	Critical
V-10	Political Party code is invalid	Deficient
V-11	Voter Date of registration predates voter date of birth	Critical
V-12	Voter Date of registration is missing, invalid or in the future	Critical
V-13	Record is missing registration affidavit/document number	Deficient
V-14	Voter record is missing the county EMS record number	Deficient
V-15	Voter home precinct assignment does not match a precinct known to VoteCal	Critical
V-16	Voter record contains invalid data for method of registration	Deficient
V-17	Voter record contains invalid data in some other field	Deficient

Voter Participation History

Rule #	Description	Severity
H-1	Election code is missing or invalid	Critical
H-2	Election Date is missing or invalid	Critical
H-3	Party voted is missing or invalid in a primary election	Deficiency
H-4	Method voted is missing or invalid	Deficiency
H-5	Record indicates ballot rejected, but no reason provided	Deficiency
H-6	Record indicates voter voted provisionally and ballot was not counted, but does not indicate the reason for rejection	Deficiency

Precinct – District Data

Rule #	Description	Severity
P-1	Precinct number is missing or invalid	Critical
P-2	Precinct is not associated with a valid Congressional District	Critical
P-3	Precinct is not associated with a valid Assembly District	Critical
P-4	Precinct is not associated with a valid State Senate District	Critical
P-5	Precinct is not associated with a valid Board of Equalization District	Critical
P-6	Precinct is not associated with either a valid municipality or the county unincorporated area	Critical