

# **Florida Election Results Precinct XML Schema Reference**

**Version 3.0-P**

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# Overview

## Description

This document contains XML Schema references for the following schemas.

## XML Schemas

Name	Description
FloridaElectionResultsPrecinct	Election results files for the 30 days precinct group results

## Elements: FloridaElectionResultsPrecinct

### Elements

Name	Description	Required
Owner	Identifies who produced the file; the software version and the xml version	Required
ReportTime	Identifies the time the report was generated	Required
JurisdictionMap	Identifies the number of jurisdictions reporting (if county is reporting then this would be 1; if the state is reporting then this would be 67)	Required
Jurisdiction	Identifies jurisdiction information (what county)	Required
Precinct	Identifies precinct information	Required
PrecinctParty	Identifies precinct information at the party level	Required for Primaries
PrecinctGroup	Identifies the precinct group types	Required
GroupMap	Contains all the groups (ballot types)	Required
Group	Identifies the groups (ballot type)	Required
PartyMap	Contains all the parties in an election	Required
Party	Identifies party information	Required
Election	Identifies election information	Required
ContestList	Contains all the contests in an election	Required
Contest	Identifies the contest information	Required
ContestGroup	Identifies the contest group types	Required
ContestGroupVotes	Identifies contest group votes by precinct	Required
Candidate	Identifies the contest candidates or retention/amendment choices	Required
CandidateGroup	Identifies the candidate group types	Required
Votes	Identifies candidate votes by precinct or precinct & group	Required

## Element: Owner (Required)

### Attributes

Name	Type	Required	Description
id	FIPsNum	Yes	See SimpleType definition
name	xs:string (restriction)	Yes	Vendor Application Name and version number
xmlversion	VersionXML	Yes	XML version (3.0-P)

### Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
ReportTime	xs:dateTime	1..1	
JurisdictionMap	xs:anyType (restriction)	1..1	
GroupMap	xs:anyType (restriction)	1..1	
PartyMap	xs:anyType (restriction)	1..1	
Election	xs:anyType (restriction)	1..1	

### Definition

```
<xs:element name="Owner">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="1" ref="ReportTime" />
      <xs:element minOccurs="1" ref="JurisdictionMap" />
      <xs:element minOccurs="1" ref="GroupMap" />
      <xs:element minOccurs="1" ref="PartyMap" />
      <xs:element minOccurs="1" ref="Election" />
    </xs:sequence>
    <xs:attribute name="id" use="required" type="FIPsNum"/>
    <xs:attribute name="name" use="required">
      <xs:simpleType>
        <xs:restriction base="xs:string">
          <xs:minLength value="1" />
        </xs:restriction>
      </xs:simpleType>
    </xs:attribute>
    <xs:attribute name="xmlversion" use="required" type="VersionXML"/>
  </xs:complexType>
</xs:element>
```

## Element: ReportTime (Required)

### Referenced By

- Element Owner

### Definition

```
<xs:element name="ReportTime" type="xs:dateTime" />
```

## Element: JurisdictionMap (Required)

### Attributes

Name	Type	Required?	Description
totalJurisdictions	xs:integer	Yes	Number of jurisdictions to report on. (If county then 1; if State of Florida then 67)
reportingJurisdictions	xs:integer	Yes	Number of jurisdictions reporting. (If county then 1; if State of Florida then 67)
percentReported	Percentage	Yes	(reportingJurisdiction/totalJurisdictions) * 100

### Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
Jurisdiction	xs:anyType (restriction)	1..*	

### Referenced By

- Element Owner

### Definition

```
<xs:element name="JurisdictionMap">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="1" maxOccurs="unbounded" ref="Jurisdiction" />
    </xs:sequence>
    <xs:attribute name="totalJurisdictions" use="required" type="xs:integer" />
    <xs:attribute name="reportingJurisdictions" use="required" type="xs:integer" />
    <xs:attribute name="percentReported" use="required" type="Percentage" />
  </xs:complexType>
</xs:element>
```

## Element: Jurisdiction (Required)

### Attributes

Name	Type	Required	Description
id	FIPSnum	Yes	See SimpleType definition
title	NameDesc	Yes	Name of County or State
typeld	xs:integer	Yes	"1" = State; "2" = County
totalBallotsCast	xs:integer	Yes	Total Ballots Cast as calculated by tabulation system
totalRegistration	xs:integer	Yes	Total Registration from book closing
totalCastPercentage	Percentage	Yes	(totalBallotsCast/totalRegistration) * 100
totalPrecincts	xs:integer	Yes	Total number election day precincts
precinctsReported	xs:integer	Yes	Number election day precincts reporting
precinctsReportedPercentage	Percentage	Yes	(precinctsReported/totalPrecincts) * 100

### Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
Precinct	xs:anyType (restriction)	1..*	

**Referenced By**

- Element JurisdictionMap

**Definition**

```
<xs:element name="Jurisdiction">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="1" maxOccurs="unbounded" ref="Precinct" />
    </xs:sequence>
    <xs:attribute name="id" use="required" type="FIPSnum"/>
    <xs:attribute name="title" use="required" type="NameDesc" />
    <xs:attribute name="typeId" use="required" type="xs:integer" />
    <xs:attribute name="totalBallotsCast" use="required" type="xs:integer" />
    <xs:attribute name="totalRegistration" use="required" type="xs:integer" />
    <xs:attribute name="totalCastPercentage" use="required" type="Percentage" />
    <xs:attribute name="totalPrecincts" use="required" type="xs:integer" />
    <xs:attribute name="precinctsReported" use="required" type="xs:integer" />
    <xs:attribute name="precinctsReportedPercentage" use="required" type="Percentage" />
  </xs:complexType>
</xs:element>
```

**Element: Precinct (Required)**

**Attributes**

Name	Type	Required	Description
id	xs:integer	Yes	Number assigned by tabulation system; must be unique within jurisdiction
ballotsCast	xs:integer	Yes	Total Ballots Cast as calculated by tabulation system
regVoters	xs:integer	Yes	Total Registered Voters from book closing
castPercentage	Percentage	Yes	(ballotsCast/regVoters) * 100
counted	xs:boolean	Yes	"0" = Election day precinct not reported "1" = Election day precinct reported
altId2	Alternateld	Yes	Precinct number assigned by county in FVRS (Florida Voter Registration System), i.e. 101, 034
pollingPlaceName	NameDesc	Yes	Description/Name of the Polling Place
name	NameDesc	Yes	Description/Name of the Precinct

**Content Model**

Contains elements as defined in the following table.

Component	Type	Occurs	Description
PrecinctParty	xs:anyType (restriction)	0..*	Required for Primaries
PrecinctGroup	xs:anyType (restriction)	1..*	

**Referenced By**

- Element Jurisdiction

**Definition**

```
<xs:element name="Precinct">
  <xs:complexType mixed="false">
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="unbounded" ref="PrecinctParty" />
      <xs:element minOccurs="1" maxOccurs="unbounded" ref="PrecinctGroup" />
    </xs:sequence>
    <xs:attribute name="id" use="required" type="xs:integer" />
    <xs:attribute name="ballotsCast" use="required" type="xs:integer" />
    <xs:attribute name="castPercentage" use="required" type="Percentage" />
    <xs:attribute name="altId2" use="required" type="AlternateId" />
    <xs:attribute name="counted" use="required" type="xs:boolean" />
    <xs:attribute name="regVoters" use="required" type="xs:integer" />
    <xs:attribute name="pollingPlaceName" use="required" type="NameDesc" />
    <xs:attribute name="name" use="required" type="NameDesc" />
  </xs:complexType>
</xs:element>
```

**Element: PrecinctParty (Required for Primaries)**

**Attributes**

Name	Type	Required	Description
partyId	xs:integer	Yes	As defined in element Party
regVoters	xs:integer	Yes	Total Registered Voters from book closing for that party in that precinct. Must be greater than or equal to 0.
ballotsCast	xs:integer	Yes	Total Ballots cast as calculated by tabulation system for that party in that precinct. Must be greater than or equal to 0.
castPercentage	xs:float	Yes	(ballotsCast/regVoters) * 100 Must be greater than or equal to 0.0

**Referenced By**

- Element Precinct

**Definition**

```
<xs:element name="PrecinctParty">
  <xs:complexType>
    <xs:attribute name="partyId" use="required" type="xs:integer" />
    <xs:attribute name="regVoters" use="required">
      <xs:simpleType>
        <xs:restriction base="xs:integer">
          <xs:minInclusive value="0">
          </xs:minInclusive>
        </xs:restriction>
      </xs:simpleType>
    </xs:attribute>
    <xs:attribute name="ballotsCast" use="required">
      <xs:simpleType>
        <xs:restriction base="xs:integer">
          <xs:minInclusive value="0">
          </xs:minInclusive>
        </xs:restriction>
      </xs:simpleType>
    </xs:attribute>
    <xs:attribute name="castPercentage" use="required">
      <xs:simpleType>
        <xs:restriction base="xs:float">
          <xs:minInclusive value="0">
          </xs:minInclusive>
        </xs:restriction>
      </xs:simpleType>
    </xs:attribute>
  </xs:complexType>
</xs:element>
```

```

</xs:attribute>
</xs:complexType>
</xs:element>

```

## Element: PrecinctGroup (Required)

### Attributes

Name	Type	Required	Description
groupId	xs:integer	Yes	As defined in element Group
ballotsCast	xs:integer	Yes	Total Ballots cast as calculated by tabulation system for that group in that precinct. Must be greater than or equal to 0.

### Referenced By

- Element Precinct

### Definition

```

<xs:element name="PrecinctGroup">
  <xs:complexType>
    <xs:attribute name="groupId" use="required" type="xs:integer" />
    <xs:attribute name="ballotsCast" use="required">
      <xs:simpleType>
        <xs:restriction base="xs:integer">
          <xs:minInclusive value="0">
            </xs:minInclusive>
          </xs:restriction>
        </xs:simpleType>
      </xs:attribute>
    </xs:complexType>
  </xs:element>

```

## Element: GroupMap (Required)

### Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
Group	xs:anyType (restriction)	1..*	

### Referenced By

- Element Owner

### Definition

```

<xs:element name="GroupMap">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="1" maxOccurs="unbounded" ref="Group" />
    </xs:sequence>
  </xs:complexType>
</xs:element>

```

## Element: Group (Required)



**Attributes**

Name	Type	Required	Description
id	xs:integer	Yes	Number assigned by tabulation system
groupType	GroupTypeCode	Yes	“TV” = Total Votes “ED” = Election Day “EV” = Early Voting “AV” = Absentee “PV” = Provisional “OT” = Other (i.e. Oversea Absentee Votes; Unscanned Ballots; etc)
name	NameDesc	Yes	Description/Name of Group
equipmentType	NameDesc	Yes	Description/Name of Equipment

**Referenced By**

- Element GroupMap

**Definition**

```
<xs:element name="Group">
  <xs:complexType>
    <xs:attribute name="id" use="required" type="xs:integer" />
    <xs:attribute name="groupType" use="required" type="GroupTypeCode" />
    <xs:attribute name="name" use="required" type="NameDesc" />
    <xs:attribute name="equipmentType" use="required" type="NameDesc" />
  </xs:complexType>
</xs:element>
```

**Element: PartyMap (Required)**

**Content Model**

Contains elements as defined in the following table.

Component	Type	Occurs	Description
Party	xs:anyType (restriction)	1..*	

**Referenced By**

- Element Owner

**Definition**

```
<xs:element name="PartyMap">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="1" maxOccurs="unbounded" ref="Party" />
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**Element: Party (Required)**

**Attributes**

Name	Type	Required	Description
------	------	----------	-------------

Name	Type	Required	Description
id	xs:integer	Yes	Number assigned by tabulation system; must be unique within element PartyMap 0 = non-party (used in general elections for the contest party id)
abbrv	xs:NCName	Yes	State assigned 3 character code
name	NameDesc	Yes	Party Description
partyBallotsCast	xs:integer	No if general; Yes if primary	Ballot Cast as calculated by tabulation system for Party
partyRegistration	xs:integer	No if general; Yes if primary	Party Voter Registration from book closing
partyCastPercentage	Percentage	No if general; Yes if primary	$(\text{partyBallotsCast}/\text{partyRegistration}) * 100$

**Referenced By**

- Element PartyMap

**Definition**

```
<xs:element name="Party">
  <xs:complexType>
    <xs:attribute name="id" use="required" type="xs:integer" />
    <xs:attribute name="abbrv" use="required" type="xs:NCName" />
    <xs:attribute name="name" use="required" type="NameDesc"/>
    <xs:attribute name="partyBallotsCast" use="optional" type="xs:integer" />
    <xs:attribute name="partyRegistration" use="optional" type="xs:integer" />
    <xs:attribute name="partyCastPercentage" use="optional" type="Percentage" />
  </xs:complexType>
</xs:element>
```

**Element: Election (Required)**

**Attributes**

Name	Type	Required	Description
id	xs:integer	Yes	Six digit number consisting of the election date in the format YYMMDD
electionName	NameDesc	Yes	Election Name or Code
electionTitle	NameDesc	Yes	Election description
resultsType	ResultsTypeCode	Yes	"P" = Precinct Level Results
totalBallotsCast	xs:integer	Yes	Total Ballots Cast as calculated by tabulation system
totalRegistration	xs:integer	Yes	Total Voter Registration from book closing
totalCastPercentage	Percentage	Yes	$(\text{totalBallotsCast}/\text{totalRegistration}) * 100$
totalPrecincts	xs:integer	Yes	Total number of election day precincts
precinctsReported	xs:integer	Yes	Number of <b>election day precincts</b> reporting
precinctsReportedPercentage	Percentage	Yes	$(\text{precinctsReported}/\text{totalPrecincts}) * 100$
groupReporting	xs:boolean	Yes	"0" for TotalVotes group only "1" for group reporting

Name	Type	Required	Description
absenteesCompleted	VoteGroupStatus	Yes	"N" for not processed, "P" for in process, "Y" for completed
earlyVotingCompleted	VoteGroupStatus	Yes	"N" for not processed, "P" for in process, "Y" for completed
precinctsCompleted	VoteGroupStatus	Yes	"N" for not processed, "P" for in process, "Y" for completed
provisionalsCompleted	VoteGroupStatus	Yes	"N" for not processed, "P" for in process, "Y" for completed

**Content Model**

Contains elements as defined in the following table.

Component	Type	Occurs	Description
ContestList	xs:anyType (restriction)	1..1	

**Referenced By**

- Element Owner

**Definition**

```
<xs:element name="Election">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="1" ref="ContestList" />
    </xs:sequence>
    <xs:attribute name="id" use="required" type="xs:integer" />
    <xs:attribute name="electionName" use="required" type="NameDesc"/>
    <xs:attribute name="electionTitle" use="required" type="NameDesc"/>
    <xs:attribute name="resultsType" use="required" type="ResultsTypeCode" />
    <xs:attribute name="totalBallotsCast" use="required" type="xs:integer" />
    <xs:attribute name="totalRegistration" use="required" type="xs:integer" />
    <xs:attribute name="totalCastPercentage" use="required" type="Percentage" />
    <xs:attribute name="totalPrecincts" use="required" type="xs:integer" />
    <xs:attribute name="precinctsReported" use="required" type="xs:integer" />
    <xs:attribute name="precinctsReportedPercentage" use="required" type="Percentage" />
    <xs:attribute name="groupReporting" use="required" type="xs:boolean" />
    <xs:attribute name="absenteesCompleted" use="required" type="VoteGroupStatus" />
    <xs:attribute name="earlyVotingCompleted" use="required" type="VoteGroupStatus" />
    <xs:attribute name="precinctsCompleted" use="required" type="VoteGroupStatus" />
    <xs:attribute name="provisionalsCompleted" use="required" type="VoteGroupStatus" />
  </xs:complexType>
</xs:element>
```

**Element: ContestList (Required)**

**Content Model**

Contains elements as defined in the following table.

Component	Type	Occurs	Description
Contest	xs:anyType (restriction)	1..*	

**Referenced By**

- Element Election

**Definition**

```
<xs:element name="ContestList">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="1" maxOccurs="unbounded" ref="Contest" />
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

## Element: Contest (Required)

### Attributes

Name	Type	Required	Description
id	xs:integer	Yes	Number assigned by tabulation system; must be unique within element <ContestList>
altId2	AlternateId	Yes	State assigned contest number (0 if contest does not have a state assigned number)
partyId	xs:integer	Yes	As defined in element party for all primary contests; if contest (i.e. general partisan race) is not associated with a defined party then use negative one (-1)
title	NameDesc	Yes	Contest Description
voteFor	xs:integer	Yes	Number of candidates to vote for
regVoters	xs:integer	Yes	Number of registered voters at book closing
ballotsCast	xs:integer	Yes	Number of ballots cast for a contest is the sum of (totalVotes plus writeinVotes plus overVotes plus underVotes) divided by the number to voteFor
castPercentage	Percentage	Yes	Ballots Cast / Registered Voters
writeinVotes	xs:integer	Yes	Number of write-in votes for a contest is the sum of all writeinVotes where the writeinVotes plus the totalVotes is less than or equal to the number to voteFor
overVotes	xs:integer	Yes	Number of overVotes for a contest is the sum of all overVotes where the totalVotes plus writeinVotes is greater than the number to voteFor. The number of overVotes recorded should be the number to voteFor. For example, in a voteFor 3 contest where there are 5 ballot choices and the voter selected 4 ballot choices, the number of overVotes would be 3.
underVotes	xs:integer	Yes	Number of underVotes for a contest is the sum of all underVotes where the totalVotes plus writeinVotes is less than the number to voteFor. The number of underVotes recorded should be the voteFor number minus the totalVotes plus writeinVotes. For example, in a voteFor 5 contest where there are 6 ballot choices and the voter selected 2 ballot choices, the number of underVotes would be 3.
totalPrecincts	xs:integer	Yes	Total number of election day precincts
precinctsReported	xs:integer	Yes	Number of election day precincts reporting at file creation time. (Used to report precincts reporting)

### Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
Candidate	xs:anyType (restriction)	1..*	
ContestGroup	xs:anyType (restriction)	1..*	

### Referenced By

- Element ContestList

### Definition

```
<xs:element name="Contest">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="1" maxOccurs="unbounded" ref="Candidate" />
      <xs:element minOccurs="1" maxOccurs="unbounded" ref="ContestGroup" />
    </xs:sequence>
    <xs:attribute name="id" use="required" type="xs:integer" />
    <xs:attribute name="altId2" use="required" type="AlternateId" />
    <xs:attribute name="partyId" use="required" type="xs:integer" />
    <xs:attribute name="title" use="required" type="NameDesc" />
    <xs:attribute name="voteFor" use="required" type="xs:integer" />
    <xs:attribute name="regVoters" use="required" type="xs:integer" />
    <xs:attribute name="ballotsCast" use="required" type="xs:integer" />
    <xs:attribute name="castPercentage" use="required" type="Percentage" />
    <xs:attribute name="writeinVotes" use="required" type="xs:integer" />
    <xs:attribute name="overVotes" use="required" type="xs:integer" />
    <xs:attribute name="underVotes" use="required" type="xs:integer" />
    <xs:attribute name="totalPrecincts" use="required" type="xs:integer" />
    <!-- Total number of election day precincts in the Contest -->
    <xs:attribute name="precinctsReported" use="required" type="xs:integer" />
    <!-- Number of election day precincts in the Contest reporting at moment of creation of
this file -->
  </xs:complexType>
</xs:element>
```

### Element: ContestGroup (Required)

#### Attributes

Name	Type	Required	Description
groupId	xs:integer	Yes	As defined in element <Group>
ballotsCast	xs:integer	Yes	Ballots Cast for group for contest as defined in element Contest
totalVotes	xs:integer	Yes	Total votes for group for contest is the sum of all totalVotes where the totalVotes plus the writeinVotes is less than or equal to the number to voteFor
writeinVotes	xs:integer	Yes	Write-in for group for contest as defined in element Contest
overVotes	xs:integer	Yes	Overvotes for group for contest as defined in element Contest
underVotes	xs:integer	Yes	Undervotes for group for contest as defined in element Contest

### Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
ContestGroupVotes	xs: anyType (restriction)	1..*	

**Referenced By**

- Element Contest

**Definition**

```
<xs:element name="ContestGroup">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="1" maxOccurs="unbounded" ref="ContestGroupVotes"/>
    </xs:sequence>
    <xs:attribute name="groupId" use="required" type="xs:integer" />
    <xs:attribute name="ballotsCast" use="required" type="xs:integer"/>
    <xs:attribute name="totalVotes" use="required" type="xs:integer"/>
    <xs:attribute name="writeinVotes" use="required" type="xs:integer"/>
    <xs:attribute name="overVotes" use="required" type="xs:integer"/>
    <xs:attribute name="underVotes" use="required" type="xs:integer"/>
  </xs:complexType>
</xs:element>
```

**Element: ContestGroupVotes (Required)**

**Attributes**

Name	Type	Required	Description
refPrecinctId	xs:integer	Yes	As defined in element <Precinct>
ballotsCast	xs:integer	Yes	Ballots Cast for group for contest for precinct as defined in element Contest
totalVotes	xs:integer	Yes	Total votes for group for contest for precinct as defined in element ContestGroup
writeinVotes	xs:integer	Yes	Write-in for group for contest for precinct as defined in element Contest
overVotes	xs:integer	Yes	Overvotes for group for contest for precinct as defined in element Contest
underVotes	xs:integer	Yes	Undervotes for group for contest for precinct as defined in element Contest

**Referenced By**

- Element ContestGroup

**Definition**

```
<xs:element name="ContestGroupVotes">
  <xs:complexType>
    <xs:attribute name="refPrecinctId" use="required" type="xs:integer" />
    <xs:attribute name="ballotsCast" use="required" type="xs:integer"/>
    <xs:attribute name="totalVotes" use="required" type="xs:integer"/>
    <xs:attribute name="writeinVotes" use="required" type="xs:integer"/>
    <xs:attribute name="overVotes" use="required" type="xs:integer"/>
    <xs:attribute name="underVotes" use="required" type="xs:integer"/>
  </xs:complexType>
</xs:element>
```

**Element: Candidate (Required)**

**Attributes**

Name	Type	Required	Description
id	xs:integer	Yes	Number assigned by tabulation system; must be unique within element <Contest>; if tabulation system does not assign a unique number for OverVotes and UnderVotes then use 901 and 902 respectively
altId2	AlternateId	Yes	State assign candidate number (0 if contest does not have a state assigned number)' WriteIns = 900, OverVotes = 901 and UnderVotes = 902
pos	xs:integer	Yes	Position on the ballot
name	NameDesc	Yes	Candidate name or retention/amendment choice
partyId	xs:integer	Yes	As defined in element <Party>; if ballot item (i.e. For or Against Amendment/Retention; WriteIns; OverVotes; UnderVotes) is not associated with a defined party then leave blank
votes	xs:integer	Yes	Total votes for candidate in the contest

### Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
CandidateGroup	xs: anyType (restriction)	1..*	
Votes	xs:integer (extension)	1..*	

### Referenced By

- Element Contest

### Definition

```
<xs:element name="Candidate">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="1" maxOccurs="unbounded" ref="CandidateGroup" />
      <xs:element minOccurs="1" maxOccurs="unbounded" ref="Votes" />
    </xs:sequence>
    <xs:attribute name="id" use="required" type="xs:integer" />
    <xs:attribute name="altId2" use="required" type="AlternateId" />
    <xs:attribute name="pos" use="required" type="xs:integer" />
    <xs:attribute name="name" use="required" type="NameDesc"/>
    <xs:attribute name="partyId" use="required" type="xs:integer" />
    <xs:attribute name="votes" use="required" type="xs:integer" />
    <!-- Total number of votes for candidate in the Contest -->
  </xs:complexType>
</xs:element>
```

### Element: CandidateGroup (Required)

#### Attributes

Name	Type	Required	Description
groupId	xs:integer	Yes	As defined in element <Group>
totalVotes	xs:integer	Yes	Total votes for group for candidate is the sum of all totalVotes where the totalVotes plus the writeinVotes is less than or equal to the number to voteFor

**Referenced By**

- Element Candidate

**Definition**

```
<xs:element name="CandidateGroup">
  <xs:complexType>
    <xs:attribute name="groupId" use="required" type="xs:integer" />
    <xs:attribute name="totalVotes" use="required" type="xs:integer" />
  </xs:complexType>
</xs:element>
```

**Element: Votes (Required)**

**Attributes**

Name	Type	Required	Description
refPrecinctId	xs:integer	Yes  <b>Note: All precincts associated with the contest should be reported even if there are no votes for that group.</b>	As defined in element <Precinct>.
groupId	xs:integer	Yes If Election attribute "groupReporting" = "0" then only report the total votes group (TV). If Election attribute "groupReporting" = "1" report all groups and the "Total Votes" group  <b>Note: If a precinct has a group subtotal with 1 to 9 votes, then zero the output votes in all groups other than the 'Total Votes' group for that precinct.</b>	As defined in element <Group>.

**Content Model**

Contains text only.

**Referenced By**

- Element Candidate

**Definition**

```
<xs:element name="Votes">
  <xs:complexType>
    <xs:simpleContent>
      <xs:extension base="xs:integer">
        <xs:attribute name="refPrecinctId" use="required" type="xs:integer" />
        <xs:attribute name="groupId" use="required" type="xs:integer" />
      </xs:extension>
    </xs:simpleContent>
  </xs:complexType>
</xs:element>
```

**Simple Types Defined:**



## Simple Type: VersionXML

### Enumeration

Value	Description
3.0-P	Precinct Results Version 3.0-P (eff. ____ /2015)

### Definition

```
<xs:simpleType name="VersionXML">
  <xs:restriction base="xs:NMTOKEN">
    <xs:enumeration value="3.0-P"/>
  </xs:restriction>
</xs:simpleType>
```

## Simple Type: AlternateId

### Restrictions

- Length of value must be greater than or equal to 0.
- Length of value must be less than or equal to 22.

### Definition

```
<xs:simpleType name="AlternateId">
  <xs:restriction base="xs:string">
    <xs:minLength value="0" />
    <xs:maxLength value="22" />
  </xs:restriction>
</xs:simpleType>
```

## Simple Type: NameDesc

### Restrictions

- Length of value must be greater than or equal to 0.
- Length of value must be less than or equal to 75.

### Definition

```
<xs:simpleType name="NameDesc">
  <xs:restriction base="xs:string">
    <xs:minLength value="0" />
    <xs:maxLength value="75" />
  </xs:restriction>
</xs:simpleType>
```

## Simple Type: Percentage

### Restrictions

- The value must be greater than or equal to 0.0.

### Definition

```
<xs:simpleType name="Percentage">
  <xs:restriction base="xs:float">
    <xs:minInclusive value="0.0" />
  </xs:restriction>
</xs:simpleType>
```

## Simple Type: ResultsTypeCode

**Enumeration**

Value	Description
P	Precinct Level Results

**Definition**

```
<xs:simpleType name="ResultsTypeCode">
  <xs:restriction base="xs:NMTOKEN">
    <xs:enumeration value="P" />
  </xs:restriction>
</xs:simpleType>
```

**Simple Type: GroupTypeCode**

**Enumeration**

Value	Description
TV	Total Votes
ED	Election Day
EV	Early Votes
AV	Absentee Votes
PV	Provisional Votes
OT	Other Votes (i.e. Overseas Absentee Votes; Unscanned Ballots; etc)

**Definition**

```
<xs:simpleType name="GroupTypeCode">
  <xs:restriction base="xs:NMTOKEN">
    <xs:enumeration value="TV" />
    <xs:enumeration value="ED" />
    <xs:enumeration value="EV" />
    <xs:enumeration value="AV" />
    <xs:enumeration value="PV" />
    <xs:enumeration value="OT" />
  </xs:restriction>
</xs:simpleType>
```

**Simple Type: VoteGroupStatus**

**Enumeration**

Value	Description
N	Not Processed
P	Processing
Y	Completed

**Definition**

```
<xs:simpleType name="VoteGroupStatus">
  <xs:restriction base="xs:NMTOKEN">
    <xs:enumeration value="N" />
    <xs:enumeration value="P" />
    <xs:enumeration value="Y" />
  </xs:restriction>
</xs:simpleType>
```

## Simple Type: FIPSnum

### Enumeration

Value	Description	Value	Description
12000	Florida	12069	Lake
12001	Alachua	12071	Lee
12003	Baker	12073	Leon
12005	Bay	12075	Levy
12007	Bradford	12077	Liberty
12009	Brevard	12079	Madison
12011	Broward	12081	Manatee
12013	Calhoun	12083	Marion
12015	Charlotte	12085	Martin
12017	Citrus	12086	Miami-Dade
12019	Clay	12087	Monroe
12021	Collier	12089	Nassau
12023	Columbia	12091	Okaloosa
12027	Desoto	12093	Okeechobee
12029	Dixie	12095	Orange
12031	Duval	12097	Osceola
12033	Escambia	12099	Palm Beach
12035	Flagler	12101	Pasco
12037	Franklin	12103	Pinellas
12039	Gadsden	12105	Polk
12041	Gilchrist	12107	Putnam
12043	Glades	12109	St. Johns
12045	Gulf	12111	St. Lucie
12047	Hamilton	12113	Santa Rosa
12049	Hardee	12115	Sarasota
12051	Hendry	12117	Seminole
12053	Hernando	12119	Sumter
12055	Highlands	12121	Suwannee
12057	Hillsborough	12123	Taylor
12059	Holmes	12125	Union
12061	Indian River	12127	Volusia
12063	Jackson	12129	Wakulla
12065	Jefferson	12131	Walton
12067	Lafayette	12133	Washington

### Definition

```

<xs:simpleType name="FIPSnum">
  <xs:restriction base="xs:NMTOKEN">
    <xs:enumeration value="12000"/><!-- State of Florida -->
    <xs:enumeration value="12001"/><!-- Alachua County, FL -->
    <xs:enumeration value="12003"/><!-- Baker County, FL -->
    <xs:enumeration value="12005"/><!-- Bay County, FL -->
    <xs:enumeration value="12007"/><!-- Bradford County, FL -->
    <xs:enumeration value="12009"/><!-- Brevard County, FL -->
    <xs:enumeration value="12011"/><!-- Broward County, FL -->
    <xs:enumeration value="12013"/><!-- Calhoun County, FL -->
    <xs:enumeration value="12015"/><!-- Charlotte County, FL -->
    <xs:enumeration value="12017"/><!-- Citrus County, FL -->
    <xs:enumeration value="12019"/><!-- Clay County, FL -->
    <xs:enumeration value="12021"/><!-- Collier County, FL -->
    <xs:enumeration value="12023"/><!-- Columbia County, FL -->
    <xs:enumeration value="12027"/><!-- Desoto County, FL -->
  
```

```
<xs:enumeration value="12029"/><!-- Dixie County, FL -->
<xs:enumeration value="12031"/><!-- Duval County, FL -->
<xs:enumeration value="12033"/><!-- Escambia County, FL -->
<xs:enumeration value="12035"/><!-- Flagler County, FL -->
<xs:enumeration value="12037"/><!-- Franklin County, FL -->
<xs:enumeration value="12039"/><!-- Gadsden County, FL -->
<xs:enumeration value="12041"/><!-- Gilchrist County, FL -->
<xs:enumeration value="12043"/><!-- Glades County, FL -->
<xs:enumeration value="12045"/><!-- Gulf County, FL -->
<xs:enumeration value="12047"/><!-- Hamilton County, FL -->
<xs:enumeration value="12049"/><!-- Hardee County, FL -->
<xs:enumeration value="12051"/><!-- Hendry County, FL -->
<xs:enumeration value="12053"/><!-- Hernando County, FL -->
<xs:enumeration value="12055"/><!-- Highlands County, FL -->
<xs:enumeration value="12057"/><!-- Hillsborough County, FL -->
<xs:enumeration value="12059"/><!-- Holmes County, FL -->
<xs:enumeration value="12061"/><!-- Indian River County, FL -->
<xs:enumeration value="12063"/><!-- Jackson County, FL -->
<xs:enumeration value="12065"/><!-- Jefferson County, FL -->
<xs:enumeration value="12067"/><!-- Lafayette County, FL -->
<xs:enumeration value="12069"/><!-- Lake County, FL -->
<xs:enumeration value="12071"/><!-- Lee County, FL -->
<xs:enumeration value="12073"/><!-- Leon County, FL -->
<xs:enumeration value="12075"/><!-- Levy County, FL -->
<xs:enumeration value="12077"/><!-- Liberty County, FL -->
<xs:enumeration value="12079"/><!-- Madison County, FL -->
<xs:enumeration value="12081"/><!-- Manatee County, FL -->
<xs:enumeration value="12083"/><!-- Marion County, FL -->
<xs:enumeration value="12085"/><!-- Martin County, FL -->
<xs:enumeration value="12086"/><!-- Miami-Dade County, FL -->
<xs:enumeration value="12087"/><!-- Monroe County, FL -->
<xs:enumeration value="12089"/><!-- Nassau County, FL -->
<xs:enumeration value="12091"/><!-- Okaloosa County, FL -->
<xs:enumeration value="12093"/><!-- Okeechobee County, FL -->
<xs:enumeration value="12095"/><!-- Orange County, FL -->
<xs:enumeration value="12097"/><!-- Osceola County, FL -->
<xs:enumeration value="12099"/><!-- Palm Beach County, FL -->
<xs:enumeration value="12101"/><!-- Pasco County, FL -->
<xs:enumeration value="12103"/><!-- Pinellas County, FL -->
<xs:enumeration value="12105"/><!-- Polk County, FL -->
<xs:enumeration value="12107"/><!-- Putnam County, FL -->
<xs:enumeration value="12109"/><!-- St. Johns County, FL -->
<xs:enumeration value="12111"/><!-- St. Lucie County, FL -->
<xs:enumeration value="12113"/><!-- Santa Rosa County, FL -->
<xs:enumeration value="12115"/><!-- Sarasota County, FL -->
<xs:enumeration value="12117"/><!-- Seminole County, FL -->
<xs:enumeration value="12119"/><!-- Sumter County, FL -->
<xs:enumeration value="12121"/><!-- Suwannee County, FL -->
<xs:enumeration value="12123"/><!-- Taylor County, FL -->
<xs:enumeration value="12125"/><!-- Union County, FL -->
<xs:enumeration value="12127"/><!-- Volusia County, FL -->
<xs:enumeration value="12129"/><!-- Wakulla County, FL -->
<xs:enumeration value="12131"/><!-- Walton County, FL -->
<xs:enumeration value="12133"/><!-- Washington County, FL -->
</xs:restriction>
</xs:simpleType>
```

**Appendix A**

<b>Log of Changes</b>		
<b>Date</b>	<b>Version</b>	<b>Change Description</b>
1/15/13	2.0	Make elements <PartyMap> and <Party> required for all results type effective July 1, 2015.
1/15/13	2.0	On <Party> element change maxOccurs="unbounded" so it's no longer limited to 64.
1/15/14	2.0	Modify description on all <id> attributes to specify they must be unique
1/15/14	2.0	Modify description of <partyId> attribute in Contest and Candidate elements to cover occurrences when no party is defined
10/2/13	3.0	Added new elements <GroupMap> and <Group> required July 1, 2015.
10/2/13	3.0	Add Simple Type: GroupTypeCode
10/2/13	3.0	Add new element <ContestGroup> and <ContestGroupVotes> required July 1, 2015.
10/2/13	3.0	Modify element <Votes>. Add Attribute "GroupId" as defined in Group element; Remove Attributes "groupNumber", "groupName" and "groupEquipType"; Require attribute groupId when Election attribute groupReporting = "1" else omit
10/2/13	3.0	Modify element <Votes>. Add Description regarding filter for groups where votes are less than 10
3/26/14	3.0	Add Indian River to Appendix A: County Codes (FIPS) table
1/30/15	3.0-P	Split Precinct & Summary into 2 separate specifications
1/30/15	3.0	Added attribute 'xmlversion' to element 'Owner'
1/30/15	3.0	Add new element <PrecinctGroup> required July 1, 2015.
1/30/15	3.0	Renamed new elements: BallotType to ContestGroup & BallotTypePrecinctVotes to ContestGroupVotes
1/30/15	3.0	Remove county code prefix from attribute 'altId2' in element 'Precinct'
1/30/15	3.0	Added a description for 'id' party attribute for the value zero "0" which indicates party is not applicable such as general contest party
1/30/15	3.0	Make attribute 'GroupId' in element 'Votes' required. If Election attribute "groupReporting" = "0" then only 'TV' group is reported. if Election attribute "groupReporting" = "1" then all group are reported included 'TV'.
1/30/15	3.0	Require all precincts associated with a contest to be reported in element 'Votes' even if there are no votes.
1/30/15	3.0-P	Add Simple Types: VersionXML and FIPSnum
1/30/15	3.0-P	Add Element CandidateGroup
7/28/15	3.0-P	Modify CandidateGroup: remove ballotCast, writeinVotes, overVotes & underVotes.
7/28/15	3.0-P	Add definitions in the description column for attributes: ballotsCast,

		totalVotes, writeinVotes, overVotes and underVotes. Elements affected include: Jurisdiction, Precinct, PrecinctParty, PrecinctGroup, Party, Election, Contest, ContestGroup, ContestGroupVotes and CandidateGroup.
9/1/15	3.0P	Remove "30-day" from description: "30-day Precinct Level Results"
9/1/15	3.0P	Change "effective July 1, 2015" to "(eff. ____/2015)".