ClearDesign 1.4

Administration Guide
(Vote-by-Mail Campaign 2)

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(Vote-by-Mail Campaign 2)

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Preface

This section defines the purpose of this document. It contains the following subsections.

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- Scope of this document
- Intended audience
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About this document

This guide describes administrative functionality of ClearDesign.

> ✓ A ClearVote™ system can comprise the ClearAccess™, ClearAudit™, ClearCast™, ClearCount™, and ClearDesign™ products. Jurisdictions are not required to purchase all products. You can ignore references to any ClearVote components that are not part of your voting system. Also ignore implementation options that are not relevant to your policies and procedures.

Scope of this document

This document describes the following aspects of the ClearDesign system:

- Basic definitions
- Managing customers
- Managing roles
- Managing users
- System Log
- Localizations

Intended audience

This document is intended for election officials and election staff who are responsible for operations and maintenance before, during, and after an election. This document is also used by Clear Ballot personnel who support election officials and election staff.

Contact us

Clear Ballot Group welcomes your feedback on our documentation. Please send comments to Documentation@ClearBallot.com.

If you have questions about using your ClearVote product, contact your Clear Ballot representative.

Chapter 1. Getting started

This chapter describes how to get started with the administrative functions of ClearDesign. We recommend reading through this chapter if you are new to Clear Ballot and administrative tasks. If you are an experienced ClearDesign administrator, you can skip this chapter.

1.1 Basic definitions

Table 1-1 lists some basic definitions pertaining to the administrative functions of ClearDesign. Review the basic definitions of these terms before reading the details in the remainder of this document.

Table 1-1. Basic definitions of terms for ClearDesign administration

Term	Description
Customer	A *customer* typically represents a jurisdiction, such as a county or school district, where ClearDesign users design ballots. Example: ClearCounty is a fictional customer that Clear Ballot has set up for training.
User	A *user* is someone who logs on to ClearDesign and performs tasks for designing ballots. A given customer can have multiple users.
Permission	A *permission* enables a user to perform a certain type of task. Example: The Ballot Set-Add permission enables the **Add** button of the Ballot Sets tab. For a complete list, see "ClearDesign permissions" on page 30.
Role	A *role* comprises a group of permissions. Roles control groups of tasks that users can perform. Example: A role called Language Developer contains the permissions beginning with "Language" listed in Appendix A.
Localization	*Localization* refers to the ability of a jurisdiction to set its own preferred vocabulary for terms that appear in the user interface and on ballots. Example: A jurisdiction can localize the term *precinct* to *election district*.

1.2 Logging in for the first time—setting the password

When you log in for the first time, your administrator's account does not have a password set up by default.

To log in, follow these steps:

1. Open a browser and enter the URL that was set up during installation.

2. When the Login screen appears (Figure 1-1), enter your **User name** and click **Sign in**.
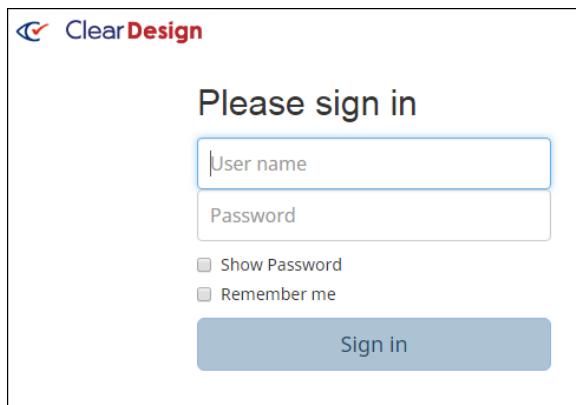
Figure 1-1. Login screen

ClearDesign displays the screen shown in Figure 1-2.
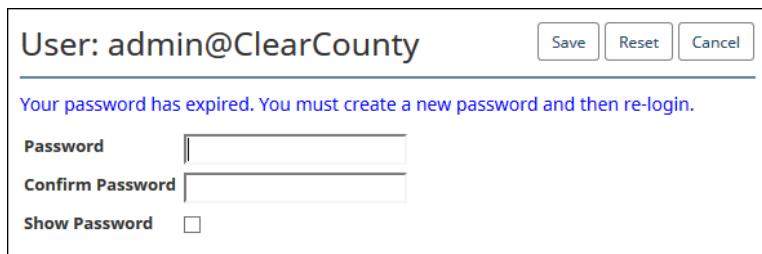
Figure 1-2. Create a new password

Follow these guidelines when selecting a password:

- **Length**: at least 8 characters long

- **Allowed characters**: at least one character from the following groups:

  - a - z
  - A - Z
  - 0 - 9
  - ~ ! @ # $ % ^ & * ( ) _ - + =

> The administrator role specifies the password strength for all accounts, including minimum password length, use of capitalized letters, use of numeric characters, and use of non-alphanumeric characters.

3. Enter the desired password in the **Password** and **Confirm Password** fields and click the **Save** button.

   The ClearDesign application appears in the browser window.

1.3 Logging in when you know the admin password

To log in, follow these steps:

1. Open a browser and enter the URL that was set up during installation.

2. When the Login screen appears, enter your **User name** and **Password** and click **Sign in**.
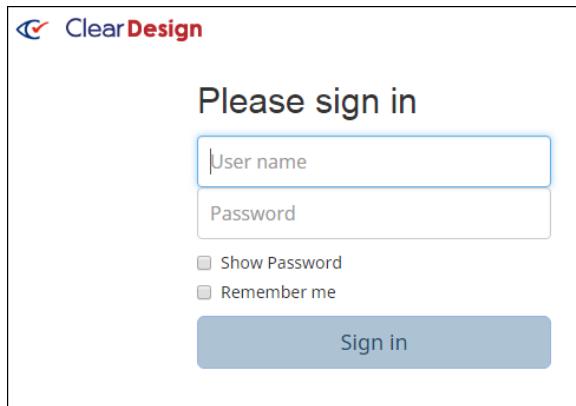
Figure 1-3. Login screen

In most situations, enter the **User name** of the default administrator, which is default@admin.

If you are the administrator for a special category of elections, enter the login for that administrator. Example: admin@*SchoolBoard*.

After you log in successfully, the ClearDesign application appears in the browser window.

1.4 Areas of the application window

The application window of ClearDesign has three main areas as shown in Figure 1-4:

1. The header

2. The navigation pane

3. The content pane
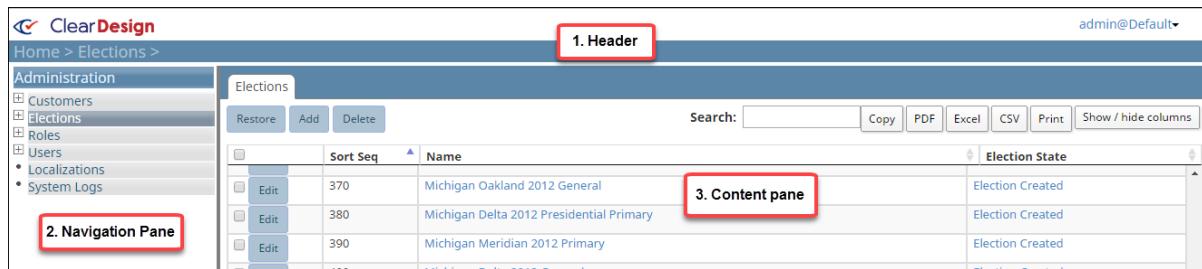
Figure 1-4. Areas of the application window.

1.4.1 Header

The header appears at the top of the application window contains the following items shown in 1.4.1:

1. **The ClearDesignlogo**

2. **Election Title**

   When you first log on and when you perform administrative functions, the title area is blank. If you select an election, its name appears in the title area of the header.

3. **Breadcrumbs**

   The breadcrumbs provide a path of screens that you navigated to reach the current location in the application. Each step of the path is separated by the > character. Click a step in the path to return to the corresponding screen.

4. **Login ID**

   The login ID of the current users appears on the right in the header. Clicking the login ID displays a menu containing three selections:

   - Change password

   - Logout

   - About this software
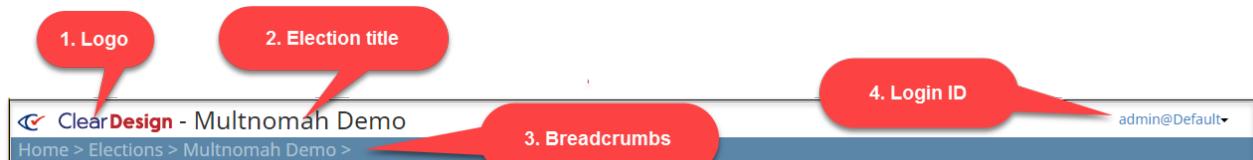
Figure 1-5. Header of the application window

1.4.2 Navigation pane

The navigation pane appear on the left side of the application window. Two type of controls appear in the navigation pane:

- **Administration control**

    This control lists administrative functions for which you have permissions. When you first log on the Administration control appears in the navigation pane.

Figure 1-6. Administration control

- **Election control**

    This control appears after you select an individual election.

Figure 1-7. Election control

1.4.3 Content pane

The content pane appears on the right side of the application window. This pane is the main work area. Depending on the current context, the content pane contains one of the following views:

- List view - Enables you to select an item to work on.

  Example: In the left Navigation Pane, select **Home** and then **Customer**.

  ClearDesign displays the Customers tab in the content pane, which contains a list of customers.

- Detail view (Info tab) - appears when you click an item in a list view. The detail view displays attributes of the selected item and buttons that allow you to perform certain actions.

  Example: When the Customers tab appears in the content pane, click the name of a customer to display the basic attributes for that customer.

Chapter 2. Managing customers

This chapter describes ClearDesign customers and the tasks associated with managing customers.

A *customer* typically represents a jurisdiction, such as a county or school district, where ClearDesign users design ballots.

2.1 The default customer and the jurisdiction-specific customer

ClearDesign is installed with one customer whose name is **default**. The **default** customer has one user named **admin**, whose assigned role is **administrator**. The **admin** user logs in to ClearDesign as **admin@default**.

In cases where your jurisdiction also develops ballots for special categories of elections, such as school board only elections, you can create a special customer for that election to give the ballot developers their own standalone development area separate from the development area used for state elections.

In this situation, login as admin@default and create a customer such as "SchoolBoard". After you create the customer using the admin@default account, log out. Then log in as admin@SchoolBoard where you can create additional users.

2.2 Setting the ClearDesign system password

To set the ClearDesign system password:

1. Log in to ClearDesign as **admin@Default**.

2. From the Administration control, select **Customers** (Figure 2-1).

Figure 2-1. Selecting Customers from the Administration control

The Customers tab appears (Figure 2-2).

3. In the Name column, click **Default** (Figure 2-2).
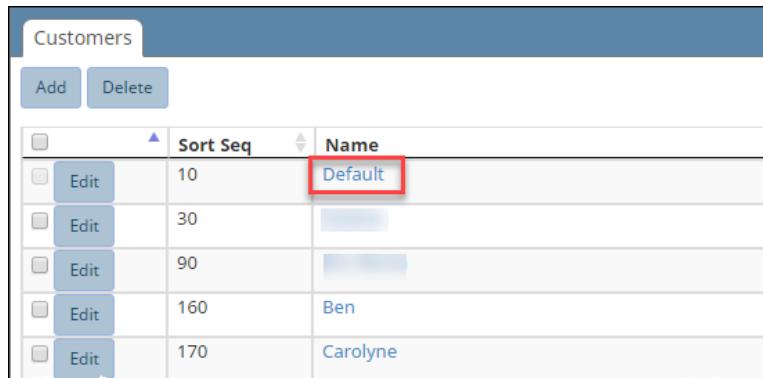
Figure 2-2. Customers tab

The Info tab for the Default customer appears (Figure 2-3).
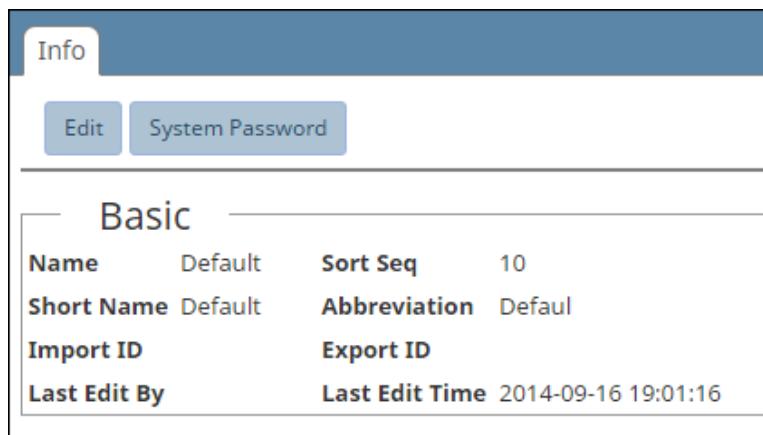
Figure 2-3. Info tab for the Default customer

4. Click the **System Password** button (Figure 2-3).

The Set System Password dialog appears (Figure 2-4).

Figure 2-4. Set System Password dialog

5. In the **Password** and **Confirm Password** fields, enter the system password.

6. Click **OK**.

The system password is now set.

If the system rejects the password because the entries do not match, select **Show Password**, re-enter the password, and click **OK**.

2.3 Adding customers

To add a ClearDesign customer:

1. Log in to ClearDesign as `admin@Default.`

2. From the Administration control, select **Customers** (Figure 2-1).

   The Customers tab appears (Figure 2-5).

3. Click the **Add** button (Figure 2-5).
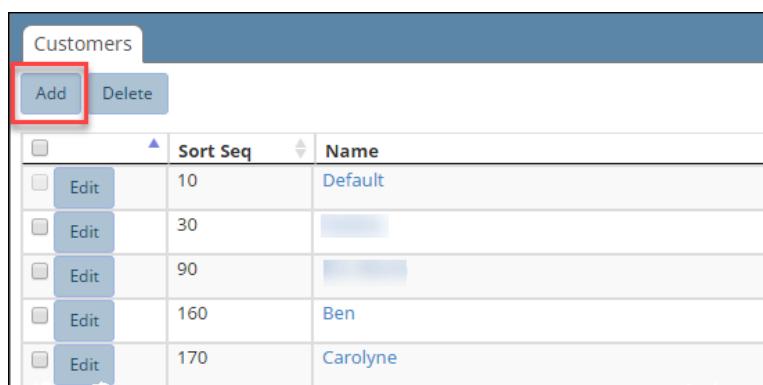
Figure 2-5. Add button on the Customers tab

The Customer dialog appears. Default values appear in the **Name**, , **Sort Seq**, **Short Name**, and **Abbreviation** fields. **The Import ID** and **Export ID** fields are blank by default.
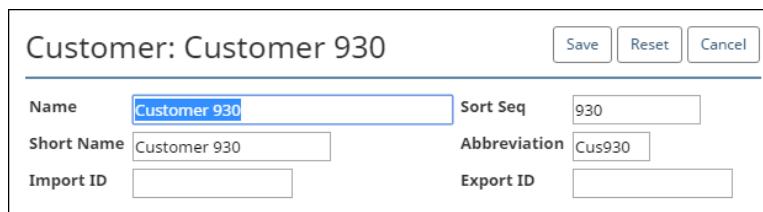
Figure 2-6. Customer dialog

4. If desired, change the **Name** field shown in Figure 2-6.

   Based on your change the **Name** field, ClearDesign updates the default values for the **Sort Seq**, **Short Name**, and **Abbreviation** fields.

5. Make any additional desired changes and click the **Save** button.

   ClearDesign displays a series or status messages while adding the customer. When the process in complete, ClearDesign refreshes the Customers tab, and the new customer appears in the list.

2.4 Modifying customers

To modify an existing customer:

1. Log in to ClearDesign as **admin@Default**.

2. From the Administration control, choose **Customers**.

   The **Customers** tab appears.

3. In the row corresponding to the customer you want to modify, click the **Edit** button.

   The Customer dialog appears.

4. Modify identifying attributes as required.

   Name cannot be changed.

5. Click **Save**.

2.5 Removing customers

To remove existing customers:

1. Log in to ClearDesign as **admin@Default**

2. From the Administration control, select **Customers.**

   The Customers tab appears.

3. Click to select every customer that you want to revmove.

4. Click the **Delete** button.

Chapter 3. Managing roles

This chapter describes ClearDesign roles and the tasks associated with managing roles.

A *role* comprises a group of permissions.

3.1 Default roles

When you create a customer, ClearDesign provides two default roles:

- Administrator
- Election clerk

3.2 Displaying the Roles tab

The Roles tab lists the currently available roles. To display the Roles tab:

1. Log in as the administrator for the jurisdiction.

2. From the Administration Control, select **Roles** (Figure 3-1).

Figure 3-1. Selecting Roles from the Administration Control

The Roles tab appears in the content pane on the right (Figure 3-2).

Figure 3-2. Roles tab

3.3 Creating roles

To add a ClearDesign role:

1. Log in to ClearDesign as an administrator for the applicable customer.

2. From the **Administration** control, choose **Roles**.

   The **Roles** tab appears.

3. Click **Add**.

   The **Role** dialog appears with the **Basic** tab selected.
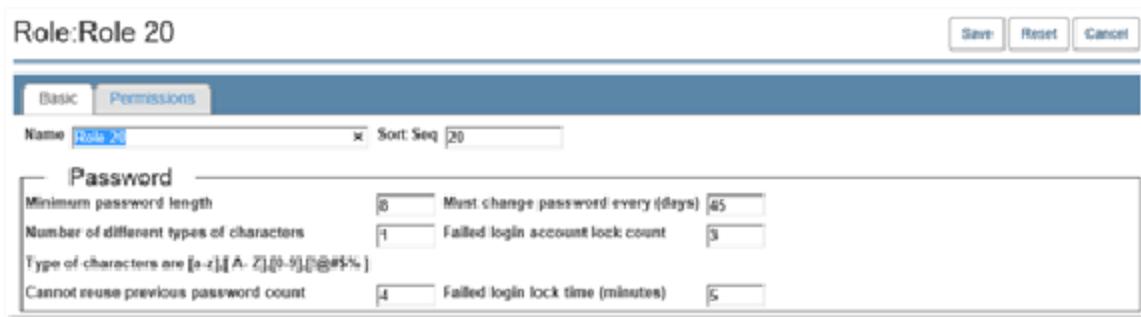
Figure 3-3. Role dialog, Basic tab

4. Set identifying attributes:

   a. In **Name**, enter the user-defined name.

   b. In **Sort Seq**, enter the sorting index.

5. In the **Password** area, enter the password characteristics of the new role listed in Table 3-1

   The administrator role specifies the password strength for all accounts, including minimum password length, use of capitalized letters, use of numeric characters, and use of non-alphanumeric characters.

Table 3-1. Password requirements

Password characteristic	Description
Minimum password length	Range: 1 to 20.
Number of different types of characters	Range: 1 to 4, corresponding to none, low, medium and high complexity. Character types include: lowercase letters (a-z), uppercase letters (A-Z), digits (0-9), and a set of special characters: `` `~!@#$%^&*()_-+= `` [{}]|;:'",<.>/?.
Cannot use previous password count	The number of recent passwords that cannot be reused.
Must change password every (days)	The maximum number of days between password changes.
Failed login account lock count	Number of failed login attempts after which the account is locked.
Failed login lock time (minutes)	The duration of a lock after you exceed the maximum login attempts.

The privileged user who creates an account assigns its initial password.

6. Assign ClearDesign permissions to the new role:

   a. Select the **Permissions** tab.
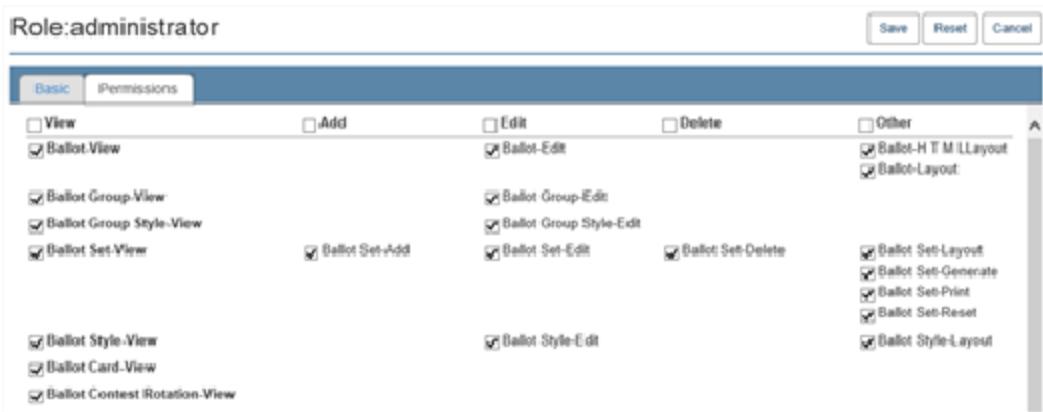
Figure 3-4. Top of Role dialog, Permissions tab

   b. Check or uncheck permssions for the role.

      For a complete list. see "ClearDesign permissions" on page 30.

View privileges are prerequisites for assigning related privileges.

7. Click **Save**.

The role is now assignable to users.

3.4 Modifying roles

To modify an existing role:

1. Log in to ClearDesign as the administrator for the applicable customer.

2. From the **Administration** control, choose **Roles**.

   The **Roles** tab appears.

3. Click **Edit** for the targeted role.

   The **Role** dialog appears.

4. (Optional) Modify identifying attributes as required.

5. (Optional) In the **Password** area, modify any password requirements of the role listed in Table 3-2. Setting any password requirement to 0 removes that requirement.

   The administrator role specifies the password strength for all accounts, including minimum password length, use of capitalized letters, use of numeric characters, and use of non-alphanumeric characters.

Table 3-2. Password requirements

Password characteristic	Description
Minimum password length	Range: 1 to 20.
Number of different types of characters	Range: 1 to 4, corresponding to none, low, medium and high complexity.
	Character types include: lowercase letters (a-z), uppercase letters (A-Z), digits (0-9), and a set of special characters: `~!@#$%^&*()_-+= [{}]|;:'",<.>/?.
Cannot use previous password count	The number of recent passwords that cannot be reused.
Must change password every (days)	The maximum number of days between password changes.
Failed login account lock count	Number of failed login attempts after which the account is locked.

Table 3-2. Password requirements (continued)

Password characteristic	Description
Failed login lock time (minutes)	The duration of a lock after you exceed the maximum login attempts.

6. (Optional) Modify permissions as required.

7. Click **Save**.

   Changes affect all users previously assigned the role.

3.5 Deleting roles

To remove existing roles:

1. Log in to ClearDesignas an administrator for the applicable customer.

2. From the Administration control, select **Roles**.

   The **Roles** tab appears.

3. Click the checkbox corresponding to each role you want to delete.

4. Click the **Delete** button.

Chapter 4. Managing users

This chapter describes ClearDesign users and the tasks associated with managing users.

A *user* is a person who logs in to ClearDesign and performs tasks for designing ballots. Each ClearDesign customer has a group of users.

Table 4-1 summarizes the characteristics and guidelines that apply to users.

Table 4-1. ClearDesign Users: guidelines and characteristics

Guideline	Description
Admin user	The initial user name is always `admin`. The ClearDesign administrator assumes this user name and defines the roles that can be assigned to additional users.
Format of user names	User names have the format *userName@customerName*.
Duplication of user names	ClearDesign allows duplicate user names across multiple customers. Each instance of a duplicate user names is independent. Therefore, the settings of the different instances of user names can differ.
First time login—required password change	All new users must change their passwords when logging in for the first time. See "Logging in" in the *ClearDesign User Guide*.
Recording of user logins in the system log	The system log records all user logins. A user-login record in the system log includes a user name and IP address. To reach the system log, display the Administration control in the navigation pane on the left and click **System Logs**.

4.1 Adding users

To add a user:

1. Log in to ClearDesign as the administrator for the applicable customer.

2. From the **Administration** control, choose **Users**. The **Users** tab appears.

3. Click **Add**. The **User** dialog appears.
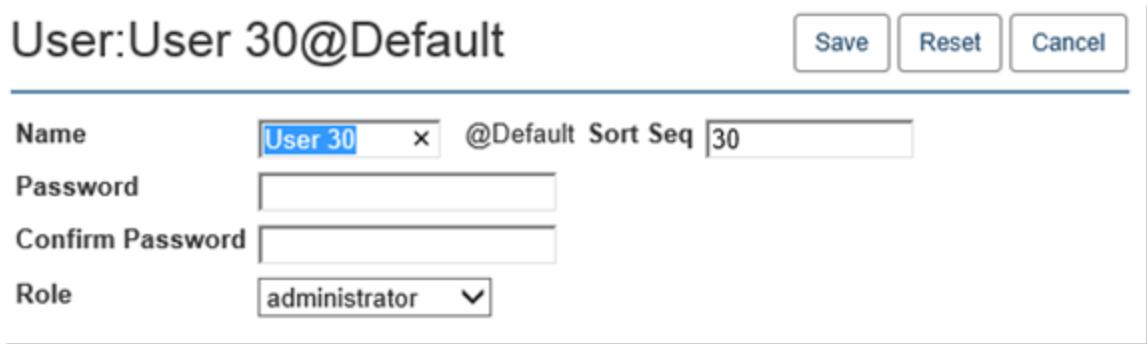
Figure 4-1. User dialog (Add mode)

4. Set identifying attributes:

   a. In **Name** enter the user-defined name.

      User names appear in log entries.

   b. In **Sort Seq**, enter the sorting index.

5. (Optional) In **Password**, enter the password with reference to the rules selected for the customer.

6. (If necessary) In **Confirm Password**, re-enter the password.

   If the system rejects the password because the entries do not match, re-enter the password with **Show Password** checked.

7. In **Role**, select an existing role.

   The **Role** field does not appear if only one role is defined for the customer.

8. Click **Save**. The new user can now log in and perform the tasks permitted for his or her assigned role.

4.2 Modifying users

To modify an existing user:

1. Log in to ClearDesign as the administrator for the applicable customer.

2. From the **Administration** control, choose **Users**. The **Users** tab appears.

3. Click **Edit** for the targeted user. The **User** dialog appears.
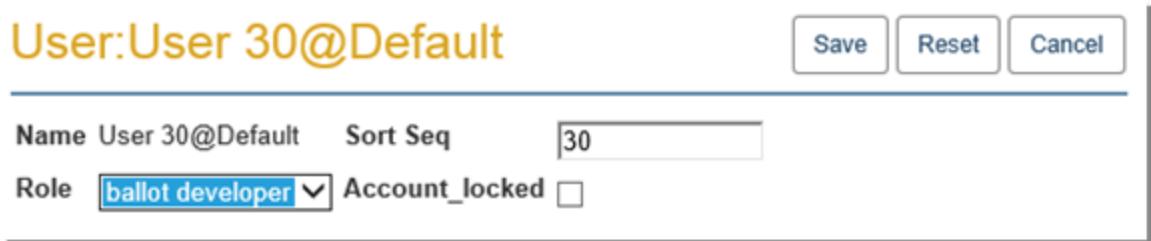
Figure 4-2. User dialog (Edit mode)

4. (Optional) Modify identifying attributes as required.

5. (Optional) In **Role**, select a role from the drop-down list.

6. (Optional) Click the **Account_locked** checkbox to control whether the user can log in to ClearDesign.

7. Click **Save**.

   Unless the user is locked out, he or she can now log in and perform the tasks permitted for the assigned role.

4.3 Changing passwords administratively

To change the password of a user:

1. Log in to ClearDesign as the administrator for the applicable customer.

2. From the **Administration** control, choose **Users** > **userName**.

   The **Info** tab appears.

   You can also click the user name from the **User** page.

3. Click **Password**.

   The **Password** dialog appears.
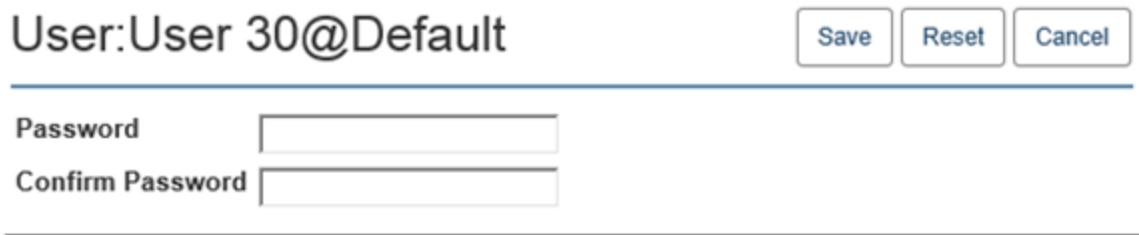
Figure 4-3. Password dialog

4. (Optional) In **Password**, enter the password with reference to the rules selected for the customer.

5. (If necessary) In **Confirm Password**, re-enter the password.

   If the system rejects the password because the entries do not match, re-enter the password with **Show Password** checked.

6. Click **Save**. The password is updated.

The procedure in this section is for administrative users. If you are a general users, you can change your password by clicking your user name in the top right corner of the ClearDesign window, and selecting **Change password**.

4.4 Deleting users

To delete existing users:

1. Log in to ClearDesign as the administrator for the applicable customer.

2. From the **Administration** control, choose **Users**.

   The Users tab appears.

3. Click to select the checkbox corresponding to each user that you want to delete.

4. Click the **Delete** button.

Chapter 5. System Log

This chapter describes the ClearDesign system log.

The system log is a table in the system database. This log records all nonelection-specific activity. ClearDesign appends a record to the log when the following types of events occur:

- User access

- Administrative exception for elections

- Functional updates

- Changes to the election database

System log records do not contain any voter-specific information or any information about voted ballots.

All log entries contain the columns listed in Table 5-1.

Table 5-1. System log: columns

Column	Description
ID	A numerical identifier. Click this ID to display a record containing additional information.
Date Time	When the event occurred.
Severity	One of the following: - Info - Warning - Error
Message	A description of the event.
User Name	The login ID of the user associated with the event. There is no user for failed login attempts.
message	Describes the event.

To ensure the integrity of log data, the system log is stored in a transactional database. Administrative privileges are required to view the system log. Administrators can access the system log from the Administration control by choosing Home> System Logs. The access, back up, and export of the system log is controlled using the same mechanism that controls access to all other operations within the system.

In addition to the system log, ClearDesign also provides an election log. See "Parts of the election log" and "Viewing the election log" in the *ClearDesign User Guide*.

Chapter 6. Localizations

This chapter describes ClearDesign localizations and the tasks associated with managing localizations.

6.1 Guidelines applicable to localization

Localization lets you customize text embedded in the ClearDesign user interface. Most labels and messages can be localized. Jurisdictions can replace any localizable text string with their specific terminology or translation.

The following guidelines apply to localization

- Localization does not affect ballots. After adding required languages to an election, all text contained in ballots can be translated into each of the required languages. See "Setting up languages" in the*ClearDesign User Guide*.

- Localizations are applied when importing election backups into ClearDesign.

- ClearCount, the Clear Ballot tabulation environment, is unaffected by localization in ClearDesign.

The **Localizations** page contains all modifiable text for the ClearDesign user interface. Localizable items include phrases and individual words. Localization of:

- An individual word—Replaces:

  - Standalone usage of the word

  - Occurrences of the word within nonlocalized phrases

- A word inside a phrase—Takes precedence over standalone usage of the word, even if the individual word is also localized.

When changing an individual word, ensure that all instances of the proposed localization are appropriate for instances of the word that occur within phrases, and that pluralized instances are spelled properly (for example, globally localizing *group* as *party* could result in instances of *partys*.

Words enclosed in ~{ and } (e.g., ~{Precinct}) are replaced with the localization for that word. For example, the localization for Precincts is ~{Precinct}s so if Precinct is localized to Ward, Precincts will be localized to Wards. If this localization is inappropriate, the Precincts localization also must change.

Chapter 6. Localizations

6.2 Modifying localization settings

To modify a localization setting:

1. Browse to the ClearDesign home page.

2. From the **Administration** control, choose **Localizations**. The **Localizations** page appears.

Figure 6-1. Localizations page (top)

3. (Optional) In **Search:**, enter a search string and press **[Enter]**. Items matching your search entry appear.

4. Click **Edit** for the item you want to modify. The **Localization** dialog appears.
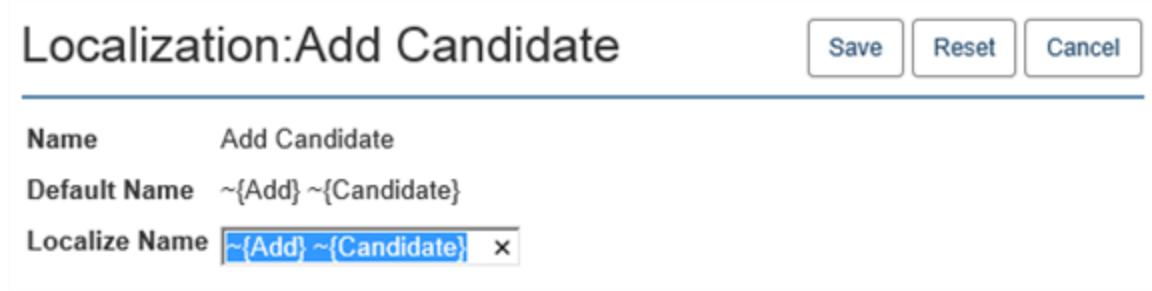
Figure 6-2. Localization dialog

5. In **Localize Name**, enter a user-defined value.

6. Click **Save**.

7. (Optional) Verify the changes are applied.

6.3 Exporting localization settings

To export localization settings:

1. Log in to ClearDesign as the appropriately privileged user for a customer.

2. From the **Administration** control, choose **Localizations**. The **Localizations** tab appears.

3. (Optional) Enter a string used in setting names (or in messages) in the **Search** box and press **[Enter]**. Items matching your search entry appear.

4. (Optional) Click **Show/Hide Columns**.

   A control for selecting specific columns or restoring the default (all columns visible) appears.
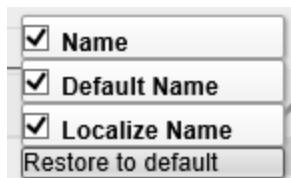
   Figure 6-3. Show/hide columns control
   .

5. Select the desired columns and click anywhere to dismiss the control.

6. Do any of the following to export the **Localizations** table:

   - Click **Copy** to copy the entire table to the Clipboard.

     You can now paste the copied text into another application.

   - Click **PDF** to record the visible columns in a PDF document.

     Choose where to locate the PDF file.

   - Click **Excel** or **CSV** to record the entire table in an Excel spreadsheet or a comma-separated values (CSV) file.

     Choose where to locate the file.

   - Click **Print** to print only the visible cells.

     A preview of the visible cells appears in a browser window.

Appendix A. ClearDesign permissions

Permissions that can be assigned to roles include the following.

The names that appear on the **Permissions** tab of the **Roles** dialog can be localized.

Table A-1. Ballot development permissions

Permission	Affected control
Audio-Delete	Delete button on the Languages > Audio tab
Audio-View	Visibility of the Languages > Audio tab
Ballot-Edit	Edit buttons on the Ballot Sets > Ballots tab
Ballot-HTMLLayout	HTMLLayout buttons on the Ballot Sets > Ballots tab
Ballot-Layout	Layout buttons on the Ballot Sets > Ballots tab
Ballot-View	Visibility of the Ballot Sets > Ballots tab (Unchecking disables the Edit, HTMLLayout, and Layout permissions for ballots)
Ballot Group-Edit	Edit buttons on the Ballot Sets > Ballot Groups tab
Ballot Group Split-View	Visibility of the Ballot Group > Ballot Group Splits tab and the Precincts > Ballot Group Splits tab
Ballot Group-View	Visibility of the Ballot Sets > Ballot Groups tab (Unchecking disables the BallotGroup-Edit permission)
Ballot Group Style-Edit	Edit buttons on the Ballot Sets > Ballot Styles tab
Ballot Group Style-View	Visibility of the Ballot Sets > Ballot Styles tab (Unchecking disables the BallotGroupStyle-Edit permission)
Ballot Set-Add	Add button on the Ballot Sets tab
Ballot Set-Delete	Delete button on the Ballot Sets tab
Ballot Set-Edit	Edit buttons on the Ballot Sets tab
Ballot Set-Generate	Generate button on the Ballot Sets tab
Ballot Set-Layout	Layout button on the Ballot Sets tab
Ballot Set-Print	Print button on the Ballot Sets tab
Ballot Set-Reset	Reset button on the Ballot Sets tab
Ballot Set-Sample Ballot	Sample Ballot button on the Ballot Sets tab
Ballot Set-View	Visibility of the Ballot Sets tab and subordinate tabs (Unchecking disables permissions for all related buttons and tabs.)

Table A-1. Ballot development permissions (continued)

Permission	Affected control
Ballot Style-Edit	Edit buttons on the Ballot Sets > Ballot Styles tab
Ballot Style-Layout	Layout buttons on the Ballot Sets > Ballot Styles tab
Ballot Style-View	Visibility of the Ballot Sets > Ballot Styles tab (Unchecking disables the Edit and Layout permissions for ballot styles.)
Ballot Contest Rotation-View	Visibility of the Ballot > Ballot Contest Rotation tab
Candidate-Add	Add button on the Contests > Candidates tab
Candidate-Delete	Delete button on the Contests > Candidates tab
Candidate-Edit	Edit buttons on the Contests > Candidates tab
Candidate-View	Visibility of the Contests > Candidates tab (Unchecking disables the Add, Delete, and Edit permissions for candidates.)
Candidate Text-View	Visibility of the Ballot Text control in the Candidate dialog
Candidate Type-View	Visibility of the Candidate Type control in the Candidate dialog
Candidate Voter Group-Add	Visibility of the Vote Groups Add button on the Candidate dialog
Candidate Voter Group-Delete	Visibility of the Vote Groups Delete button on the Candidate dialog
Candidate Voter Group-Edit	Ability to change the Voter Group for a Candidate in the Candidate dialog
Candidate Voter Group-View	Visibility of the Party controls in the Candidate dialog
Card-Edit	Edit buttons on the Ballot Sets > Cards tab
Card-Layout	Layout buttons on the Ballot Sets > Cards tab
Card-View	Visibility of the Ballot Sets > Cards tab (Unchecking disables the Edit, HTMLLayout, and Layout permissions for cards.)
Card Orientation-View	Visibility of the Card Orientation in the CardTemplate Editor (Allows selections other than portrait)
Card Style-Edit	Edit buttons on the Ballot Sets > Card Styles tab
Card Style-Layout	Layout buttons on the Ballot Sets > Card Styles tab
Card Style-View	Visibility of the Ballot Sets > Card Styles tab (Unchecking disables the Edit and Layout permissions for card styles.)

Table A-1. Ballot development permissions (continued)

Permission	Affected control
Card Style Candidate-View	Visibility of Card Style Candidates on the Ballot Sets > Card Styles> Info tab.
Card Style Contest-View	Visibility of Card Style Contests on the Ballot Sets > Card Styles > Info tab.
Card Style Header-View	Visibility of Card Style Headers on the Ballot Sets > Card Styles > Info tab.
Card Template-Add	Add button on the Card Templates tab
Card Template-Delete	Delete button on the Card Templates tab
Card Template-Edit	Edit button on the Card Templates tab
Card Template-View	Visibility of the Card Templates tab (Unchecking disables the Add, Delete, and Edit permissions for card templates.)
Contest-Add	Add button on the Contests tab
Contest-Delete	Delete button on the Contests tab
Contest-Edit	Edit button on the Contests tab
Contest-View	Visibility of the Contests and Candidates tabs (Unchecking disables the Add, Delete, and Edit permissions for contests.)
ContestEntity Style-Edit	Ability to change the entity styles for a contest in the Contest editor
ContestEntity Style-View	Visibility of Entity Styles tab for in the Contest Editor
ContestLocation-View	Visibility of the contest location in the Header editor (Allows selection of locations other than Current Column)
ContestRotation-View	Visibility of the rotation option in the Contest dialog (Allows selection other than No Rotation)
Contest Text-View	Visibility of the Ballot Text control in the Contest dialog
Contest Type-View	Visibility of the Contest Type control in the Contest dialog (Allows selection of contest types other than Candidate.)
CounterGroup-Add	Add button on the Counter Groups tab
CounterGroup-Delete	Delete button on the Counter Groups tab
CounterGroup-Edit	Edit button on the Counter Groups tab

Table A-1. Ballot development permissions (continued)

Permission	Affected control
CounterGroup-View	Visibility of the Counter Groups tab (Unchecking disables the Add, Delete, and Edit permissions for counter groups.)
Cross Endorse Type-View	Visibility of the Cross Endorse Type in the Election editor (Allows selection of Cross Endorse Types other than none)
Customer-Add	Add button on the Customers tab (available to admin@Default only)
Customer-Delete	Delete button on the Customers tab (available to admin@Default only)
Customer-Edit	Edit buttons on the Customers tab (available to admin@Default only)
Customer-System Password	Visibility of the Customer > Default > System Password button (Allows the user to change the system password. Available only for the default customer accounts.)
Customer-View	Visibility of the Customers tab (available to admin@Default only) (Unchecking disables the Add, Delete, and Edit permissions for customers.)
DeviceClass-View	The ability to view "Device Types" under "vote center categories"
Device Message-Edit	Edit buttons on the Languages > DeviceMessages tab
Device Message-View	Visibility of the Languages > DeviceMessages tab (Unchecking disables the Edit permission for device messages.)
Device Message-Reset	Ability to restore default device messages.
DeviceType-Edit	Edit button on the DeviceTypes tab
DeviceType-View	Visibility of the DeviceTypes tab
District-Add	Add button on the District Categories > Districts tab.
District-Delete	Delete button on the District Categories > Districts tab.
District-Edit	Edit buttons on the District Categories > Districts tab.
District-View	Visibility of the District Categories > Districts tab (Unchecking disables the Add, Delete, and Edit permissions for districts.)
District Category-Add	Add button on the District Categories tab.

Table A-1. Ballot development permissions (continued)

Permission	Affected control
District Category-Delete	Delete button on the District Categories tab.
District Category-Edit	Edit buttons on the District Categories tab.
District Category-View	Visibility of the District Categories tab (Unchecking disables the Add, Delete, and Edit permissions for district categories.)
Election-Add	Add button on the Elections tab
Election-Backup	Backup button on the Elections > Info tab
Election-Delete	Delete button on the Elections tab
Election-Edit	Edit buttons on the Elections tab or the Elections > Info tab
Election-Export A D F	Export ADF button on the Elections > Info tab
Election-Export B D F	Export BDF button on the Elections > Info tab
Election-Import Data	Import Data button on the Elections > Info tab
Election-Reports	Reports button on the Elections > Info tab
Election-Restore	Restore button on the Elections tab
Election-Upgrade	Upgrade button on the Elections tab
Election-View	Visibility of the Elections tab (Unchecking disables permissions for elections.)
Election State-View	Visibility of the Election State control on the Election dialog
Entity Style-Add	Entity styles Add button on the Layout Styles dialog
Entity Style-Delete	Entity styles Delete button on the Layout Styles dialog
Entity Style-Edit	Entity styles parameters on the Layout Style dialog
Entity Style-View	Visibility of entity styles on the Layout Style dialog
Entity Style Type-View	Visibility of the Entity Style Type in the Layout Style dialog
Font-Add	Visibility of the Fonts > Add button
Font-Delete	Visibility of the Fonts > Delete button
Font-View	Font Name control on the Layout Style dialog
FontOption-View	Font Option control on the Layout Style dialog
Header-Add	Add button on the Headers tab

Table A-1. Ballot development permissions (continued)

Permission	Affected control
Header-Delete	Delete button on the Headers tab
Header-Edit	Edit buttons on the Headers tab
Header-View	Visibility of the Headers tab (Unchecking disables the Add, Delete, and Edit permissions for headers.)
HeaderEntity Style-Edit	Ability to edit the Entity Style in the Header editor
HeaderEntity Style-View	Visibility of the Entity Style in the Header editor
HeaderPlacement-View	Visibility of the Placement option in the Header editor (Allows selection of placement other than on each card)
Header Text-View	Ballot Text control on the Header tab
Header Type-View	Header Type control on the Header tab
Image-Add	Add button on the Images tab
Image-Delete	Delete button on the Images tab
Image-Edit	Edit button on the Images tab
Image-View	Visibility of the Images tab (Unchecking disables the Add, Delete, and Edit permissions for images.)
Justification-View	Justify control on the Layout Style dialog
Language-Add	Add button on the Languages tab
Language-Delete	Delete button on the Languages tab
Language-Edit	Edit button on the Languages tab
Language-Export Audio	Export Audio button on the Languages tab
Language-Export Text	Export Text button on the Languages tab
Language-Import Audio	Import Audio button on the Languages tab
Language-Import Text	Import Text button on the Languages tab
Language-View	Visibility of the Languages tab (Unchecking disables the Add, Delete, and Edit permissions for languages.)
LayoutEntity Style-Add	Add (Entity Style) button in the Layout Styles editor
LayoutEntity Style-Delete	Delete (Entity Style) button in the Layout Styles editor

Table A-1. Ballot development permissions (continued)

Permission	Affected control
LayoutEntity Style-Edit	Editable entities in the Layout Styles editor
LayoutEntity Style-View	Visibility of the Layout Styles editor (Unchecking disables the Add, Delete, and Edit permissions for layout entity styles.)
Layout Style-Add	Add button on the Layout Styles tab
Layout Style-Delete	Delete button on the Layout Styles tab
Layout Style-Edit	Edit button on the Layout styles tab
Layout Style-View	Visibility of the Layout Styles tab (Unchecking disables the Add, Delete, and Edit permissions for layout styles.)
Localization-Edit	Edit button on the Localization tab
Localization-Reset	Ability to restore default system strings and messages.
Localization-View	Visibility of the Localization tab (Unchecking disables Edit and all exporting permissions for localization.)
Log-View	Visibility of the election-specific Logs tab
Oval Position-View	Oval Position control on the Card Templates dialog
Permission-View	Visibility of the Roles> Permissions tab (Unchecking disables Add, Delete, and Edit buttons for permissions.)
Precinct-Add	Add button on the Precincts and Splits tabs
Precinct-Delete	Delete button on the Precincts and Splits tabs
Precinct-Edit	Edit button on the Precincts and Splits tab
Precinct-View	Visibility of the Precincts tab (Unchecking disables the Add, Delete, and Edit permissions for precincts.)
Role-Add	Add button on the Roles tab
Role-Delete	Delete button on the Roles tab
Role-Edit	Edit buttons on the Roles and Roles > Info tabs
Role-View	Visibility of the Roles tab (Unchecking disables the Add, Delete, and Edit permissions for roles.)
Split-Add	Add button on the Precincts > Splits tab
Split-Delete	Delete button on the Precincts > Splits tab
Split-Edit	Edit button on the Precincts > Splits tab

Table A-1. Ballot development permissions (continued)

Permission	Affected control
Split-View	Visibility of the Precincts > Splits tab (Unchecking disables the Add, Delete, and Edit permissions for splits.)
Split Identifier-View	Visibility of the Split Identifier control in the Ballot Set dialog
SystemLog-View	Visibility of the System Log tab
Straight Party Type - View	The ability to veil the Straight Party Type
User-Add	Add button on the Users tab
User-Delete	Delete button on the Users tab
User-Edit	Edit buttons on the Users tab
User-Password	Password button on the User > Info tab
User-View	Visibility of the Users tab (Unchecking disables the Add, Delete, and Edit permissions for users.)
VoteCenter-Add	Add button on the VoteCenter Categories > Vote Centers tab
VoteCenter-Delete	Delete button on the VoteCenter Categories > Vote Centers tab
VoteCenter-Edit	Edit buttons on the VoteCenter Categories > Vote Centers tab
VoteCenter-View	Visibility of the VoteCenter Categories > VoteCenters tab (Unchecking disables the Add, Delete, and Edit permissions for vote centers.)
VoteCenter Category-Add	Add button on the VoteCenter Categories tab
VoteCenter Category-Delete	Delete button on the VoteCenter Categories tab
VoteCenter Category-Edit	Edit buttons on the VoteCenter Categories tab
VoteCenter Category-View	Visibility of the VoteCenterCategories tab (Unchecking disables the Add, Delete, and Edit permissions for vote center categories and vote centers.)
VoteCenter Category DeviceType-Add	Visibility of the Device Type Add button in the Vote Center Category editor
VoteCenter Category DeviceType-Delete	Visibility of the Device Type Delete button in the Vote Center Category editor
VoteCenter Category DeviceType-Edit	Ability to change the Device Type in the Vote Center Category editor

Table A-1. Ballot development permissions (continued)

Permission	Affected control
VoteCenter Category DeviceType-View	Visibility of the DeviceType in the system
Voter Count-Export Voter Counts	The button to Export Voter Counts under "Precincts"
Voter Count-Import Voter Counts	The button to Import Voter Counts under "Precincts"
Voter Count-Edit	The button to edit Voter Counts under "Precincts"
Voter Count-View	The button to view Voter Counts under "Precincts"
Voter Group-Add	Add button on the Voter Groups tab
Voter Group-Delete	Delete button on the Voter Groups tab
Voter Group-Edit	Edit button on the Voter Groups tab
Voter Group-View	Visibility of the Voter Groups tab (Unchecking disables the Add, Delete, and Edit permissions for voter groups.)
Voter Group Position-View	Voter Group Position control on the Layout Style dialog
Voter Group Text-View	Voter Group Text control on the Layout Style dialog

Appendix B. Default localization settings

Localization settings include the following.

Table B-1. Default localization settings

Name	Default value
# Cand.	# Cand
Abbreviation	Abbreviation
Accessible Marker	Accessible Marker
Action_name	Action ~{Name}
Add	Add
Add Candidate	~{Add} ~{Candidate}
Add District	~{Add} ~{District}
Add Split	~{Add} ~{Split}
Add VoteCenter	~{Add} ~{VoteCenter}
Additive	~{Add}itive
All_contests	All ~{Contests}
All_precincts	All ~{Precincts}
Audio	Audio
Audio Length	~{Audio} Length
Audio.length	~{Audio} Length
Audio.src	~{Audio} ~{Src}
Audios	~{Audio}s
Auto Generate Write-ins	Auto ~{Generate} ~{Write-in}s
Auto_create_voteCenters	Autocreate ~{VoteCenters}
Back Only	Back Only
Back_number_columns	Back Number ~{Column}s
Back_orientation	Back Orientation
Background Color	Background ~{Color}
Backup	Backup

Table B-1. Default localization settings (continued)

Name	Default value
Ballot	Ballot
Ballot Count	~{Ballot} Count
Ballot Sequence	~{Ballot} Sequence
BallotGroup	~{Ballot} Group
BallotGroupStyle	~{BallotGroup} Style
BallotGroupStyles	~{BallotGroupStyle}s
BallotGroup_Split	~{BallotGroup} ~{Split}
BallotGroup_Splits	~{BallotGroup_Split}s
BallotGroups	~{BallotGroup}s
BallotGroups.count	~{BallotGroups} Count
BallotSet	~{Ballot} Set
BallotSet.name	~{BallotSet} ~{Name}
BallotSets	~{BallotSet}s
BallotStyle	~{Ballot} Style
BallotStyles	~{BallotStyle}s
BallotStyles.count	~{BallotStyles} Count
BallotText	~{Ballot} Text
Ballot_Card	~{Ballot} ~{Card}
Ballot_Cards	~{Ballot_Card}s
Ballot_Contest_Rotation	~{Ballot} ~{Contest} ~{Rotation}
Ballot_Contest_Rotations	~{Ballot_Contest_Rotation}s
Ballot_order	~{Ballot} Order
Ballot_orders	~{Ballot} Orders
Ballot_sequence	~{Ballot} Sequence
Ballots	~{Ballot}s
Ballots Created	~{Ballots} Created

Table B-1. Default localization settings (continued)

Name	Default value
Ballots.count	~{Ballots} Count
Ballots_generated	~{Ballots} ~{Generate}d
Base	Base
Basic	Basic
Below	Below
Beside	Beside
Bold	Bold
Bold Italic	~{Bold} ~{Italic}
Bold Italic Underline	~{Bold} ~{Italic Underline}
Bold Underline	~{Bold} ~{Underline}
Border	Border
Bottom	Bottom
Cancel	Cancel
Candidate	Candidate
Candidate Write-in	~{Candidate} ~{Write-in}
CandidateAudio	~{Candidate} ~{Audio}
CandidateAudios	~{CandidateAudio}s
CandidateText	~{Candidate} Text
CandidateTexts	~{CandidateText}s
CandidateType	~{Candidate} Type
CandidateTypes	~{CandidateType}s
Candidate_VoterGroup	~{Candidate} ~{VoterGroup}
Candidate_VoterGroups	~{Candidate_VoterGroup}s
Candidate_columns	~{Candidate} ~{Column}s
Candidate_height	~{Candidate} ~{Height}
Candidate_left	~{Candidate} ~{Left}

Table B-1. Default localization settings (continued)

Name	Default value
Candidate_top	~{Candidate} ~{Top}
Candidate_width	~{Candidate} ~{Width}
Candidates	~{Candidate}s
Candidates Created	~{Candidates} Created
Cannot reuse previous password count	Cannot reuse previous password count.
Card	Card
Card Count	~{Card} Count
Card Footer	~{Card} Footer
Card Header	~{Card} ~{Header}
CardOrientation	~{Card} Orientation
CardOrientations	~{CardOrientation}s
CardStyle	~{Card} Style
CardStyle_Candidate	~{CardStyle} ~{Candidate}
CardStyle_Candidates	~{CardStyle_Candidate}s
CardStyle_Contest	~{CardStyle} ~{Contest}
CardStyle_Contests	~{CardStyle_Contest}s
CardStyle_Header	~{CardStyle} ~{Header}
CardStyle_Headers	~{CardStyle_Header}s
CardStyle_candidates	~{CardStyle_Candidates}
CardStyle_contests	~{CardStyle_Contests}
CardStyle_headers	~{CardStyle_Headers}
CardStyles	~{CardStyle}s
CardStyles.count	~{CardStyles} Count
CardTemplate	~{Card} Template
CardTemplates	~{CardTemplate}s
Card_sequence	~{Card} Sequence

Table B-1. Default localization settings (continued)

Name	Default value
Cards	~{Card}s
Cards Created	~{Cards} Created
Cards.count	~{Cards} Count
Center	Center
Central Scanner	Central Scanner
Choice Candidate	Choice ~{Candidate}
Choice Default	Choice Default
Choice Primary Preference	Choice ~{Primary Preference}
Choice Question	Choice ~{Question}
Choice Recall	Choice ~{Recall}
Choice Retention	Choice ~{Retention}
Code	Code
Color	Color
Column	Column
Combine	Combine
Combine Similar Ballots	~{Combine} Similar ~{Ballots}
Confirm Election PIN	Confirm ~{Election PIN}
Confirm Pollworker PIN	Confirm ~{Pollworker PIN}
Confirm Voting PIN	Confirm ~{Voting PIN}
Confirm_password	Confirm ~{Password}
Consolidated	Consolidated
Contest	Contest
Contest Candidate	~{Contest} ~{Candidate}
Contest Count	~{Contest} Count
Contest Default	~{Contest} Default
Contest Header	~{Contest} ~{Header}

Table B-1. Default localization settings (continued)

Name	Default value
Contest Primary Preference	~{Contest} ~{Primary Preference}
Contest Question	~{Contest} ~{Question}
Contest Recall	~{Contest} ~{Recall}
Contest Retention	~{Contest} ~{Retention}
Contest Rotations	~{Contest} ~{Rotation}s
Contest Type	~{Contest} Type
ContestAudio	~{Contest} ~{Audio}
ContestAudios	~{ContestAudio}s
ContestEntityStyle	~{Contest} ~{EntityStyle}
ContestEntityStyles	~{ContestEntityStyle}s
ContestLayout	~{Contest} ~{Layout}
ContestLayouts	~{ContestLayout}s
ContestLocation	~{Contest} ~{Location}
ContestLocations	~{ContestLocation}s
ContestRotation	~{Contest} ~{Rotation}
ContestRotations	~{ContestRotation}s
ContestText	~{Contest} Text
ContestTexts	~{ContestText}s
ContestType	~{Contest} Type
ContestTypes	~{ContestType}s
Contest_rotations	~{Contest} ~{Rotation}s
Contests	~{Contest}s
Contests Created	~{Contests} Created
Contests.count	~{Contests} Count
CounterGroup	Counter Group
CounterGroups	~{CounterGroup}s

Table B-1. Default localization settings (continued)

Name	Default value
CounterGroups.count	~{CounterGroups} Count
CrossEndorseType	Cross-Endorse Type
CrossEndorseTypes	~{CrossEndorseType}s
Current Column	Current ~{Column}
Customer	Customer
Customers	~{Customer}s
Date_time	Date Time
Default Style	Default Style
Default_name	Default ~{Name}
Delete	Delete
DeviceClass	Device Class
DeviceClasss	~{DeviceClass}s
DeviceMessage	Device ~{Message}
DeviceMessageAudio	~{DeviceMessage} ~{Audio}
DeviceMessageAudios	~{DeviceMessageAudio}s
DeviceMessages	~{DeviceMessage}s
DeviceType	Device Type
DeviceTypes	~{DeviceType}s
DeviceTypes.count	~{DeviceTypes} Count
Devices	Devices
District	District
District Rotation	~{District} ~{Rotation}
DistrictCategories	~{District} Categories
DistrictCategory	~{District} Category
Districts	~{District}s
Districts Created	~{Districts} Created

Table B-1. Default localization settings (continued)

Name	Default value
Districts.count	~{Districts} Count
Each Card	Each ~{Card}
Each Column	Each ~{Column}
Each Side	Each ~{Side}
Edit	Edit
Election	Election
Election Created	~{Election} Created
Election PIN	~{Election} PIN
ElectionDate	~{Election} Date
ElectionState	~{Election} State
ElectionStates	~{ElectionState}s
Elections	~{Election}s
Endorse_contests	Endorse ~{Contests}
EntityStyle	Entity Style
EntityStyleType	~{EntityStyle} Type
EntityStyleTypes	~{EntityStyleType}s
EntityStyles	~{EntityStyle}s
Entity_type	Entity Type
Exclusive	Exclusive
Export Voter Counts	Export ~{Voter Count}s
ExportADF	Export ADF
ExportAudio	Export ~{Audio}
ExportBDF	Export BDF
ExportText	Export Text
Export_id	Export ~{ID}
Failed login account lock count	Failed login account lock count.

Table B-1. Default localization settings (continued)

Name	Default value
Failed login lock time (minutes)	Failed login lock time (minutes).
Font	Font
Font Name	~{Font} ~{Name}
FontOption	~{Font} ~{Option}
FontOptions	~{FontOption}s
Fonts	~{Font}s
From Contest	From ~{Contest}
From_contest	From ~{Contest}
Front Only	Front Only
Front_number_columns	Front Number ~{Column}s
Front_orientation	Front Orientation
Generate	Generate
HTMLLayout	HTML ~{Layout}
Header	Header
Header Card Footer	~{Header} ~{Card Footer}
Header Card Header	Header ~{Card Header}
Header Contest Footer	~{Header} ~{Contest} Footer
Header Contest Header	Header ~{Contest Header}
Header Default	~{Header} Default
HeaderAudio	~{Header} ~{Audio}
HeaderAudios	~{HeaderAudio}s
HeaderEntityStyle	~{Header} ~{EntityStyle}
HeaderEntityStyles	~{HeaderEntityStyle}s
HeaderPlacement	~{Header} ~{Placement}
HeaderPlacements	~{HeaderPlacement}s
HeaderText	~{Header} Text

Table B-1. Default localization settings (continued)

Name	Default value
HeaderTexts	~{HeaderText}s
HeaderType	~{Header} Type
HeaderTypes	~{HeaderType}s
Headers	~{Header}s
Height	Height
Horizontal Grid	Horizontal Grid
IP Address	IP ~{Add}ress
Id	ID
Image	Image
Images	~{Image}s
Import Voter Counts	Import ~{Voter Count}s
ImportAudio	Import ~{Audio}
ImportData	Import Data
ImportText	Import Text
Import_file	Import File
Import_id	Import ~{ID}
Inherit	Inherit
Iso_code	ISO ~{Code}
Italic	Italic
Italic Underline	~{Italic} ~{Underline}
Jurisdiction_name	Jurisdiction ~{Name}
Justification	Justification
Justifications	~{Justification}s
Justify	Justify
Label	Label
Landscape	Landscape

Table B-1. Default localization settings (continued)

Name	Default value
Language	Language
Languages	~{Language}s
Last_edit_by	Last ~{Edit} By:
Last_edit_time	Last ~{Edit} Time:
Layout	Layout
LayoutEntityStyle	~{Layout} ~{EntityStyle}
LayoutEntityStyles	~{LayoutEntityStyle}s
LayoutStyle	~{Layout} Style
LayoutStyles	~{LayoutStyle}s
Left	Left
Localization	Localization
Localizations	~{Localization}s
Localize_name	Localize ~{Name}
Location	Location
Log	Log
Logs	~{Log}s
Margin	Margin
Media Created	Media Created
Media_copy	Media Copy
Media_date	Media Date
Media_hash	Media Hash
Media_version	Media ~{Version}
Message	Message
Message_id	~{Message} ~{ID}
Minimum password length	Minimum password length
Model_name	Model ~{Name}

Table B-1. Default localization settings (continued)

Name	Default value
Must change password every (days)	Must change password every (days).
Name	Name
Next Card	Next ~{Card}
Next Column	Next ~{Column}
Next Side	Next ~{Side}
No Rotation	No ~{Rotation}
None	None
Normal	Normal
Num_columns	Num ~{Column}s
Number of different types of characters	Number of different types of characters
Officials_name	Official's ~{Name}
Officials_title	Official's Title
Offset_x	Offset X
Offset_y	Offset Y
On Ballot Once	On ~{Ballot} Once
On Ballot for each VoterGroup	On ~{Ballot} for each ~{VoterGroup}
Option	Option
OvalPosition	Oval Position
OvalPositions	~{OvalPosition}s
Oval_position	Oval Position
Override	Override
PPty. Children	PPty Children
Padding	Padding
Parent	Parent
Password	Password
Permission	Permission

Table B-1. Default localization settings (continued)

Name	Default value
Permissions	~{Permission}s
Placement	Placement
Pollworker PIN	Pollworker PIN
Portrait	Portrait
Precinct	Precinct
Precinct Reporting Threshold	~{Precinct} Reporting Threshold
Precinct Rotation	~{Precinct} ~{Rotation}
Precinct Scanner	~{Precinct} Scanner
Precinct Sort_seq	~{Precinct} Sort Seq
Precincts	~{Precinct}s
Precincts Created	~{Precincts} Created
Precincts.count	~{Precincts} Count
Pref. Contest	Pref ~{Contest}
Primary Party Controlled Contests	Primary Party Controlled ~{Contests}
Primary Preference	Primary Preference
Print	Print
Print_ovals_only	~{Print} Ovals Only
Print_override	~{Print} ~{Override}
Print_result_count	~{Print} Result Count
Print_zero_count	~{Print} Zero Count
Question	Question
Rec_id	Rec ~{ID}
Recall	Recall
Recall Contest	~{Recall} ~{Contest}
Recalled Contests	~{Recall}ed ~{Contests}
Registration	Registration

Table B-1. Default localization settings (continued)

Name	Default value
Registration_count	~{Registration} Count
Related	Related
Reports	Reports
Reset	Reset
Restore	Restore
Retention	Retention
Right	Right
Role	Role
Roles	~{Role}s
Rotation	Rotation
Rotation_districtCategory	~{Rotation} ~{DistrictCategory}
Rotation_group	~{Rotation} Group
Rows per Candidate	Rows per ~{Candidate}
SPrty Contest	SPrty ~{Contest}
SPty Contest	SPty ~{Contest}
SPty. Children	SPty Children
Sample Contest Continued	Sample ~{Contest} Continued
Sample Cover	Sample Cover
Sample Eligible	Sample Eligible
Sample End	Sample End
Sample Filler	Sample Filler
Sample Header Continued	Sample ~{Header} Continued
Sample Next Column	Sample ~{Next Column}
Sample Next Page	Sample Next Page
SampleBallot	Sample ~{Ballot}
Save	Save

Table B-1. Default localization settings (continued)

Name	Default value
Separate VoterGroup Ballots	Separate ~{VoterGroup} ~{Ballots}
Separate_ballots	Separate ~{Ballots}
Sets Precincts Reporting	Sets ~{Precincts} Reporting
Short_name	Short ~{Name}
Show PINS	Show PINs
Show Password	Show ~{Password}
Side	Side
Size	Size
Sort_seq	Sort Seq
Sound_on	Sound On
Source image	Source image
Split	Split
Split By Districts	~{Split} By ~{Districts}
Split Count	~{Split} Count
SplitIdentifier	~{Split} ~{Id}entifier
SplitIdentifiers	~{SplitIdentifier}s
Split_identifier	~{Split} ~{Id}entifier
Splits	~{Split}s
Splits.count	~{Splits} Count
Src	Src
Standard	Standard
Start_column	Start ~{Column}
Sub Header 1	Sub ~{Header} 1
Sub Header 2	Sub ~{Header} 2
Sub Header 3	Sub ~{Header} 3
Sub Header 4	Sub ~{Header} 4

Table B-1. Default localization settings (continued)

Name	Default value
Sub Header 5	Sub ~{Header} 5
Sub Header 6	Sub ~{Header} 6
Sub Header 7	Sub ~{Header} 7
SystemLog	System ~{Log}
SystemLogs	~{SystemLog}s
SystemModel	System Model
SystemModels	~{SystemModel}s
SystemPassword	System ~{Password}
Text Color	Text ~{Color}
Text_height	Text ~{Height}
Text_left	Text ~{Left}
Text_top	Text ~{Top}
Text_width	Text ~{Width}
To Contest	To ~{Contest}
To_contest	To ~{Contest}
Top	Top
Track_registration	Track ~{Registration}
Type of characters are [a-z],[A-Z],[0-9],[!@#$%...]	Type of characters are [a-z],[A- Z],[0-9],[`~!!@#$%^&*()_-+=[{}]|;:'",<.>/?]
Unassigned Splits	Unassigned ~{Splits}
Unassigned_splits	Unassigned ~{Splits}
Unassigned_splits.count	Unassigned ~{Splits} Count
Underline	Underline
Upgrade	Upgrade
User	User
User_id	~{User} ~{ID}

Table B-1. Default localization settings (continued)

Name	Default value
User_name	~{User} ~{Name}
Users	~{User}s
Version	Version
Vertical Grid	Vertical Grid
VoteCenter	Vote ~{Center}
VoteCenterCategories	~{VoteCenter} Categories
VoteCenterCategory	~{VoteCenter} Category
VoteCenterCategory_DeviceType	~{VoteCenterCategory} ~{DeviceType}
VoteCenterCategory_DeviceTypes	~{VoteCenterCategory_DeviceType}s
VoteCenters	~{VoteCenter}s
VoteCenters.count	~{VoteCenters} Count
Vote_for	Vote for
Vote_mark_height	Vote Mark ~{Height}
Vote_mark_left	Vote Mark ~{Left}
Vote_mark_top	Vote Mark ~{Top}
Vote_mark_width	Vote Mark ~{Width}
Voter Count	Voter Count
VoterCount	Voter Count
VoterCounts	~{VoterCount}s
VoterGroup	Voter Group
VoterGroupAudio	~{VoterGroup} ~{Audio}
VoterGroupAudios	~{VoterGroupAudio}s
VoterGroupPosition	~{VoterGroup} Position
VoterGroupPositions	~{VoterGroupPosition}s
VoterGroupText	~{VoterGroup} Text
VoterGroupTexts	~{VoterGroupText}s

Table B-1. Default localization settings (continued)

Name	Default value
VoterGroup_position	~{VoterGroup} Position
VoterGroup_width	~{VoterGroup} ~{Width}
VoterGroups	~{VoterGroup}s
Voting PIN	Voting PIN
Warn_blankvote	Warn Blankvote
Warn_crossover	Warn Crossover
Warn_overvote	Warn Overvote
Warn_partyover	Warn Partyover
Warn_undervote	Warn Undervote
Width	Width
Write-in	Write-in
name	~{Name}
4016	Cannot delete ~{DistrictCategory} that has ~{Districts} with ~{Contests}.
2641	For each ~{Precinct}
2823	Processing: {0}
3304	You must select either {0} or {1}.
2608	Some ~{Contests} are not assigned to any ~{Split}, therefore, ~{BallotStyles} cannot be generated.
2830	Reset ~{Localization}
1113	You do not have permission to access {0} ID{1}.
2511	Restore ~{Election}
2536	Not all ballots generated or all cards laid out. Cannot export BDF.
2516	You must select a file to restore.
2866	Invalid or corrupt import file {0}. Reason: {1}
67	The system password has been set.

Table B-1. Default localization settings (continued)

Name	Default value
3305	~{VoterGroup} {0} is already defined for the ~{Contest}.
2535	Exported BDF Files
2853	Generate audio done.
2869	Imported audio for ~{Language} {0}.
2627	Warning: Not all ~{BallotStyles} are generated.
5006	Results of a No vote:
4013	Cannot delete ~{VoterGroup} because it is linked to ~{Contests} or ~{Candidates}.
5003	Subdivision
1007	Background task {0} timed out.
2606	~{Precincts} must be created before ~{BallotStyles} can be generated.
3013	Image file is too large. Maximum size is {0} Kb.
2883	Processing: {0}
2527	Invalid or corrupt import file {0}. Reason: {1}
1004	Background task with ID {0} logged in as user {1}.
3006	Field must not be more than {0}.
1011	User account {0} unlocked.
3017	Password and user name cannot match.
2638	~{Cards} must be laid out before printing.
2862	Select the file to import.
2611	Reset ~{BallotStyles}
2512	Select the file to restore.
2631	Print ~{Cards}
3403	~{To Contest} must have a sequence number greater than the ~{From Contest}.

Table B-1. Default localization settings (continued)

Name	Default value
2815	At least one "Include" must be selected.
2633	Printing ~{Cards}
2508	Show Validation Code
2809	Imported text for ~{Language} {0}.
2518	Hash mismatch table {0}
1008	User account {0} locked. Contact administrator.
2558	No accessible vote centers defined.
2640	For each ~{Split}
2505	Processing table {0}.
1500	User prompted; {0} - {1}
2528	Required import file {0} is missing.
4017	Cannot delete only ~{Consolidated} ~{Precinct} because it is used by at least one ~{BallotSet}.
2609	No ~{BallotSets} defined, therefore, ~{BallotStyles} cannot be generated.
2520	Missing files {0}.
1003	User {0} logged out.
4011	Cannot delete default entity.
2801	Import ~{Language} Text Files
4025	- Delete {0} ~{Write-in} ~{Candidates}
3003	Field must not be more than {0} characters.
3402	~{From Contest} must be defined if ~{To Contest} defined.
2635	Printed {0} ~{Cards} (by ~{Split})
3001	Field must not be empty.
4021	- Invalidate some ~{CardStyles}
2864	Imported {0} ~{Languages}

Table B-1. Default localization settings (continued)

Name	Default value
4024	#NAME?
2636	Printed {0} ~{Cards} (by ~{Cards})
2537	Warning: Some ~{Splits} have no ~{Contests}. There are no ~{Ballots} for those ~{Splits}.
2000	~{Election} created.
4020	- Invalidate some ~{BallotStyles}.
4022	- Unlink {0} ~{Contests} from their ~{District}.
1001	User {0} logged in.
3016	Password must be at least {0} characters long and contain characters from at least {1} groups of characters [a-z], [A- Z], [0-9], [`~!!@#$%^&*()_-+= [{}]|;:'",<.>/?].
3306	~{CandidateType} {0} cannot be endorsed by partisan ~{VoterGroups}.
4023	- Delete ~{VoterGroup} registration counts
3407	Cannot lock your own account.
2576	Error: ~{VoterCount} import fail with {0} errors: {1}
2552	OK to export accessible definition files (ADFs)?
2861	Import ~{Language} Audio Files
3408	Invalid ballot macros {0}.
4027	- Remove ~{VoterGroup} {0} endorsements from some ~{Contests}.
3019	Password length must be more than password complexity.
2644	Show Proofmark
2574	You must select a file to import.
3409	Invalid ballot macros in ~{DeviceMessages}: {0}
2626	~{BallotStyles} must be generated before ~{Cards} can be laid out.

Table B-1. Default localization settings (continued)

Name	Default value
2822	Warning: This will reset the ~{DeviceMessages} for all ~{Languages}. OK to reset the ~{DeviceMessages}?
2812	OK to export ~{Language} text files?
2619	Reset ~{Card} IDs
2542	OK to upgrade the election database?
2852	Generating audio for: {0} - {1}
2660	Importing cards for split {0}.
2628	Warning: Some ~{Splits} have no ~{Contests}. No ~{Cards} will be created for them.
2703	Invalidating ~{CardStyles} for {0}: {1}
2625	All ~{CardStyles} already laid out.
4003	Deleting **{0}** will also:
3018	Cannot reuse one of your last {0} passwords.
3008	Entity is not a {0}.
3301	Too many ~{Candidates} endorsed by ~{VoterGroup} {0}.
1005	Session timed out.
4028	- Require ~{Ballots} to be generated and laid out
1112	{0}: {1} deleted.
2615	Reset all ~{Ballots} and ~{Cards}?
3401	~{To Contest} must be defined if ~{From Contest} defined.
2824	~{DeviceMessages} reset.
2813	Processing: {0}
2519	Incorrect validation code entered.
64	Set System Password
2572	Processing line: {0}

Table B-1. Default localization settings (continued)

Name	Default value
2603	~{BallotSet}- ~{Splits} processed.
3511	No selected ~{VoterGroup} in the {0} ~{Contest}.
3011	Cannot use ~{Role} {0}. No ~{User} will be able to edit ~{Users}.
6	User confirmation: {0}
3102	Date year must be >1900.
2865	You must select a file to restore.
2506	~{Election} backup completed.
2560	File {0}, Line {1}: {2}
2529	Required import field {0} is missing.
3014	Invalid image file, only JPEG, JPEG, PNG and BMP allowed.
2545	Upgrade election to version {0} done.
2871	File {0}, Line {1}: Invalid audio file {2}
2882	OK to export ~{Language} audio files?
2867	Required import field {0} is missing.
2850	Generate Audio
2622	OK to layout ~{CardStyles}?
2575	~{VoterGroup} {0} not set to track registration.
2564	File {0}, Line {1}: Duplicate record {2}
1110	{0}: {1} added.
4014	Cannot delete first ~{Split} of ~{Precinct}.
2602	OK to generate the ~{BallotStyles}?
2701	Invalidating ~{BallotGroups} for {0}: {1}
2555	Exported accessible definition files (ADFs).
2556	Not all ballots generated or all cards laid out. Cannot export ADF.

Table B-1. Default localization settings (continued)

Name	Default value
4001	Are you sure you want to delete **{0} {1}**?
2614	Reset {0} ~{BallotStyles}
2623	Initializing ~{CardStyle} layout.
3513	~{Primary Preference} ~{Contest} cannot be endorsed by partisan ~{VoterGroups}.
1010	Your password has not been set. You must create a new password and then log in again.
2541	Upgrade Election Database
2533	Processing: {0}
2646	Include Election Backup
1009	Your password has expired. You must create a new password and then log in again.
1006	Redirect to /login from {0}
2515	~{Election} restored from {0}.
2805	You must select a file to restore.
2562	File {0}, Line {1}: Invalid value {2} for field {3}. Should be {4}.
2501	Backup ~{Election}
2645	Proofmark
2559	Passwords not defined for the accessible device type.
2507	Confirm code does not match validation code.
2524	Processing: {0} line: {1}
2833	~{Localization} reset.
2851	OK to generate audio?
2643	For each ~{CardStyle} - for proofing only
282	Processing line: {0}
2563	File {0}, Line {1}: Invalid value {2} for field {3}. It must not be more than {4}.

Table B-1. Default localization settings (continued)

Name	Default value
2806	Invalid or corrupt import file {0}. Reason: {1}
3015	User name cannot contain @ character.
2607	Warning: Some ~{Splits} have no ~{Contests}. No ~{Ballots} will be generated for them.
5002	**Or** Write-in
2802	Select the file to import.
2642	For each ~{Card} - for proofing only
2605	All ~{BallotStyles} already generated.
4010	- Delete {0} {1}
2002	~{Election} imported from {0}.
66	Passwords do not match.
2004	~{Election} restored from {0}.
2525	~{Election} imported from {0}.
2702	Invalidating ~{BallotStyles} for {0}: {1}.
1111	{0}: {1} updated.
2	Upgrade system database to version {0}, software version {1}.
2832	Processing: {0}
2583	Exported {0} ~{VoterCount} records.
2881	Export ~{Language} Audio Files
3514	The ~{sort_seq} must be greater than the controlling ~{Contest} "{0}" that controls it ({1}).
1	Exception: {0} when {1} {2}: {3}
3002	Field must have at least {0} characters.
3510	Select either Nonpartisan or Partisan ~{VoterGroups}.
2543	Upgrading Election

Table B-1. Default localization settings (continued)

Name	Default value
3406	Cannot save overlapping voting position side:{0}, row: {1}, column:{2}
2561	File {0}, Line {1}: Cannot find {2} with import ID {3}.
2804	Imported {0} ~{Languages}.
1000	Authentication failed. Re-enter your user name and password.
2604	Generated {0} new ~{BallotStyles} for a total of {1} ~{BallotStyles}.
4015	Cannot delete ~{District} that has ~{Contests}.
2884	Exported ~{Language} audio files.
5004	Vote for {0}.
2517	Invalid or corrupt backup file {0}. Reason: {1}
2534	Processing: {0} line: {1}
3004	Duplicate value {0}.
65	Saving system password.
5	User input error: {0}
2502	Backup files use a validation code to ensure the contents have not changed.
2513	Enter the validation code for file.
2003	~{Election} backed up.
2526	You must select a file to restore.
2580	Export ~{VoterCounts}
2820	Reset ~{DeviceMessages}
2001	Created ~{Election} test data.
2565	File {0}: Missing column {1}
2523	Processing: {0}
2551	Export Accessible Definition Files

Table B-1. Default localization settings (continued)

Name	Default value
2601	Generate ~{BallotStyles}
5001	No ~{Candidate} Filed
2618	Reset {0} ~{CardStyles}
2550	Warning: Some ~{Splits} have no ~{Contests}. There are no ~{Ballots} for those ~{Splits}.
2531	Export ballot definition files
2814	Exported ~{Language} text files.
4004	This will **permanently** delete **{0}** and all related data.
2639	Warning: Not all ~{Cards} are laid out.
3020	Font file is too large. Maximum size is {0} Kb.
4	Access URL "{0}"
2581	OK to export ~{VoterCounts}?
2453	Processing: {0}
1100	Entity type {0} not found.
2570	Import ~{VoterCounts}
2573	Imported {0} ~{VoterCount} records.
2532	OK to export ballot definition files (BDFs)?
2621	Layout ~{CardStyles}
5005	Results of a Yes vote:
2557	No accessible device type defined.
3101	Invalid date. Format is: yyyy-mm-dd
2522	Select the file to import.
2885	At least one "Include" must be selected.
2503	Validation Code
2100	Printed report {0} format {1}.
2504	Confirm Validation Code

Table B-1. Default localization settings (continued)

Name	Default value
2811	Export ~{Language} Text Files
2613	Resetting ~{BallotStyles}.
5007	Amends Constitution
3005	Field must be at least {0}.
3012	At least one role must have {0} permissions.
3009	Field invalid value or empty. Please select one or more {0}.
1102	Entity {0} ID {1} not found.
3515	The ~{sort_seq} must be less than the ~{sort_seq} of the ~{Contests} controlled by this ~{Contest} ({1}).
2868	Error: ~{Language} audio import fail with {0} errors: {1}
2870	File {0}, Line {1}: Import audio missing file {2}
2616	Reset all ~{Cards} only?
3010	Passwords do not match.
2571	Select the ~{VoterCounts} file to import.
1002	User {0} failed to logged in.
4002	Saving **{0}** will also:
3201	No {0} exist. Cannot add {1}.
2831	Warning: This will reset the all the ~{Localization}. OK to reset the ~{Localization}?
2661	Imported card layouts.
7	You need a newer version of ClearDesign to access this election.
2637	Printed {0} ~{CardStyles}.
2612	OK to reset ~{BallotStyles}?
2863	Processing: {0}
3	Election needs to be upgraded before it can be accessed.

Table B-1. Default localization settings (continued)

Name	Default value
4012	Cannot delete {0} because it is linked to at least one {1}.
2807	Required import field {0} is missing
2514	Processing table {0}.
2821	Warning: This will reset the ~{DeviceMessages} for {0}. OK to reset the ~{DeviceMessages}?
2632	OK to print the ~{Cards}?
2617	Also reset ~{Cards} IDs?
3007	Field must be an integer.
2554	Processing: {0} line: {1}
2803	Processing: {0}
4026	- Add {0} ~{Write-in} ~{Candidates}
3404	All ~{Contests} must be linked to at lease one ~{VoterGroup}.
2624	Laid out {0} ~{BallotStyles} for a total of {1} ~{CardStyles}.
2577	Add untracked ~{VoterGroup} totals to the {0} total
2647	Warning: Some ~{Splits} have no ~{Contests}. No ~{Cards} will be printed for them.
2808	Error: ~{Language} import fail with {0} errors: {1}
2521	Import Data Files
3405	Some ~{Contests} are only endorsed by this ~{VoterGroup}, therefore, cannot uncheck ~{endorse_contests}.

Appendix C. Enabling Windows Defender real-time protection

Real-time protection by Windows Defender must be enabled.

To enable real-time protection:

1. From the **Start** page, search for `defender`.

2. From the search results, select **Windows Defender**.

   The Windows Defender configuration interface appears.

3. Click **Settings> Real-time Protection**.

4. Check **Turn on real-time protection (recommended)**.

5. Click **Save changes** and exit the dialog.

Appendix D. Error messages

This appendix lists error messages grouped according to category.

In each message, ClearDesign replaces the values enclosed in braces { } with values that are specific to the message instance.

ADF export messages

EXPORT_ADF_TITLE = Message(2551, Severity.INFO, 'Export ADF Files')

EXPORT_ADF_PROMPT = Message(2552, Severity.INFO, 'OK to Export ADF Files?')

EXPORT_ADF_LOADING = Message(2453, Severity.TRACING, 'Loading {0}')

EXPORT_ADF_PROCESS = Message(2554, Severity.TRACING, 'Processing {0}')

EXPORT_ADF_DONE = Message(2555, Severity.INFO, 'Exported ADF File')

EXPORT_ADF_CARDS_NOT_LAID_OUT = Message(2556, Severity.ERROR, 'Not all ~{Ballots} generated or all ~{Cards} laid out, cannot export ADF')

EXPORT_ADF_NO_DEVICE_TYPE = Message(2557, Severity.ERROR, 'No ~{AccessibleMarker} ~{DeviceType} defined')

EXPORT_ADF_NO_VOTECENTERS = Message(2558, Severity.ERROR, 'No ~{AccessibleMarker} ~{VoteCenters} defined')

EXPORT_ADF_NO_PASSWORDS = Message(2559, Severity.ERROR, 'Passwords not defined for the ~{AccessibleMarker} ~{DeviceType}')

EXPORT_ADF_EMPTY_SPLITS = Message(2550, Severity.WARNING, 'Warning: Some ~{Splits} have no ~{Contests}. There are no ~{Ballots} for those ~{Splits}')

BDF export messages

EXPORT_BDF_TITLE = Message(2531, Severity.INFO, 'Export BDF Files')

EXPORT_BDF_PROMPT = Message(2532, Severity.INFO, 'OK to Export BDF Files?')

EXPORT_BDF_PROCESS_FILE = Message(2533, Severity.TRACING, 'Processing: {0}')

EXPORT_BDF_PROCESS_LINE = Message(2534, Severity.TRACING, 'Processing: {0} line: {1}')

EXPORT_BDF_DONE = Message(2535, Severity.INFO, 'Exported BDF Files')

EXPORT_BDF_CARDS_NOT_LAID_OUT = Message(2536, Severity.ERROR, 'Not all ~{Ballots} generated or all ~{Cards} laid out, cannot export BDF')

EXPORT_BDF_EMPTY_SPLITS = Message(2537, Severity.WARNING, 'Warning: Some ~{Splits} have no ~{Contests}. There are no ~{Ballots} for those ~{Splits}')

EXPORT_BDF_NO_DEVICE_TYPE = Message(2538, Severity.ERROR, 'No ~{PaperScanner} ~{DeviceType} defined')

EXPORT_BDF_NO_VOTECENTERS = Message(2539, Severity.ERROR, 'No ~{PaperScanner} ~{VoteCenters} defined')

EXPORT_BDF_NO_PASSWORDS = Message(2540, Severity.ERROR, 'Passwords not defined for the ~{PaperScanner} ~{DeviceType}')

BDF import messages

IMPORT_BDF_TITLE = Message(2521, Severity.INFO, 'Import Data Files')

IMPORT_BDF_PROMPT = Message(2522, Severity.INFO, 'Select the file to import')

IMPORT_BDF_PROCESS_FILE = Message(2523, Severity.TRACING, 'Processing: {0}')

IMPORT_BDF_PROCESS_LINE = Message(2524, Severity.TRACING, 'Processing: {0} line: {1}')

IMPORT_BDF_DONE = Message(2525, Severity.INFO, '~{Election} imported from {0}')

IMPORT_BDF_NO_FILE_SELECTED = Message(2526, Severity.ERROR, 'You must select a file to restore')

IMPORT_BDF_INVALID_FILE = Message(2527, Severity.ERROR, 'Invalid or corrupt import file {0}.\nReason: {1}')

IMPORT_BDF_MISSING_FILE = Message(2528, Severity.ERROR, 'Required import file file {0} is missing')

IMPORT_BDF_MISSING_FIELD = Message(2529, Severity.ERROR, 'Require import field {0} is missing')

Ballot styles, generate

GENERATE_BALLOT_STYLES_TITLE = Message(2601, Severity.INFO, 'Generate ~{BallotStyles}')

GENERATE_BALLOT_STYLES_PROMPT = Message(2602, Severity.INFO, 'OK to generate the ~{BallotStyles}?')

GENERATE_BALLOT_STYLES_START = Message(2603, Severity.TRACING, '~{BallotSet}-~{Splits} processed')

GENERATE_BALLOT_STYLES_DONE = Message(2604, Severity.INFO, 'Generated {0} new ~{BallotStyles} for a total of {1} ~{BallotStyles}')

GENERATE_BALLOT_STYLES_ALLDONE = Message(2605, Severity.INFO, 'All ~{BallotStyles} already generated.')

GENERATE_BALLOT_STYLES_NOSPLITS = Message(2606, Severity.ERROR, '~{Precincts} must be created before ~{BallotStyles} can be generated.')

GENERATE_BALLOT_STYLES_EMPTYSPLITS = Message(2607, Severity.WARNING, 'Warning: Some ~{Splits} have no ~{Contests}. No ~{Ballots} will be generated for them.')

GENERATE_BALLOT_STYLES_MISSEDCONTESTS = Message(2608, Severity.ERROR, 'Some ~{Contests} are not assigned to any ~{Split} therefore ~{BallotStyles} can not be generated.')

GENERATE_BALLOT_STYLES_NOBALLOTSETS = Message(2609, Severity.ERROR, 'No ~{BallotSets} defined therefore ~{BallotStyles} can not be generated.')

GENERATE_BALLOT_STYLES_CONTESTS = Message(2610, Severity.ERROR, '~{Contests} must be created before ~{BallotStyles} can be generated.')

Delete messages

DELETE_CONFIRMATION = Message(4001, Severity. WARNING, 'Are you sure you want to delete {0} {1}?')

SAVE_WILL_ALS0 = Message(4002, Severity.WARNING, 'Saving {0} will also:')

DELETE_WILL_ALSO = Message(4003, Severity.WARNING, 'Deleting {0} will also:')

PERMANENTLY_DELETE = Message(4004, Severity.WARNING, 'This will permanently delete {0} and all related data.')

RELATED_DELETE = Message(4010, Severity.INFO, '- Delete {0} {1}')

CANNOT_DELETE_DEFAULT = Message(4011, Severity.ERROR, 'Cannot delete default entity')

CANNOT_DELETE_INUSE = Message(4012, Severity.ERROR, 'Cannot delete {0} since it is linked to at least one {1}')

CANNOT_DELETE_VOTERGROUP = Message(4013, Severity.ERROR, 'Cannot delete ~{VoterGroup} since it is linked to ~{Contests} or ~{Candidates}')

CANNOT_DELETE_SPLIT = Message(4014, Severity.ERROR, 'Cannot delete first ~{Split} of ~{Precinct}')

CANNOT_DELETE_DISTRICT = Message(4015, Severity.ERROR, 'Cannot delete ~{District} that has ~{Contests}')

CANNOT_DELETE_DISTRICT_CATEGORY = Message(4016, Severity.ERROR, 'Cannot delete ~{DistrictCategory} that has ~{Districts} with ~{Contests}')

CANNOT_DELETE_CONS_PRECINCT = Message(4017, Severity.ERROR, 'Cannot delete only ~{Consolidated} ~{Precinct} since it is used by at least one ~{BallotSet}')

DELETE_REGISTRATION_COUNTS = Message(4023, Severity.WARNING, '- Delete ~{VoterGroup} registration counts')

Entity messages

ENTITY_TYPE_NOT_FOUND = Message(1100, Severity.ERROR, 'Entity type {0} not found')

ENTITY_NOT_FOUND = Message(1102, Severity.ERROR, 'Entity {0} ID {1} not found')

ENTITY_ADDED = Message(1110, Severity.INFO, '{0}: {1} added')

ENTITY_UPDATED = Message(1111, Severity.INFO, '{0}: {1} updated')

ENTITY_DELETED = Message(1112, Severity.INFO, '{0}: {1} deleted')

ENTITY_NO_ACCESS = Message(1113, Severity.ERROR, 'You do not have permission to access {0} ID {1}.')

ENTITY_CHANGED_FIELD = Message(1114, Severity.DETAIL, 'Changed fields: {0}')

ENTITY_SET_FIELD = Message(1115, Severity.DETAIL, 'Set fields: {0}')

ENTITY_LINKED_FIELD = Message(1116, Severity.DETAIL, 'linked to {0} {1}')

ENTITY_UNLINKED_FIELD = Message(1117, Severity.DETAIL, 'unlinked from {0} {1}')

ENTITY_TRACE_ADDED = Message(1120, Severity.DETAIL, '{0}: {1} added')

ENTITY_TRACE_UPDATED = Message(1121, Severity.DETAIL, '{0}: {1} updated')

ENTITY_TRACE_DELETED = Message(1122, Severity.DETAIL, '{0}: {1} deleted')

ENTITY_LINK_UPDATED = Message(1123, Severity.DETAIL, '{0} updated')

Election backup messages

BACKUP_ELECTION_TITLE = Message(2501, Severity.INFO, 'Backup ~{Election}')

BACKUP_ELECTION_PROMPT = Message(2502, Severity.INFO, 'Backup files use a validation code to ensure the contents have not changed')

BACKUP_ELECTION_CODE1 = Message(2503, Severity.INFO, 'Validation Code')

BACKUP_ELECTION_CODE2 = Message(2504, Severity.INFO, 'Confirm Validation Code')

BACKUP_ELECTION_START = Message(2505, Severity.INFO, 'Processing table {0}')

BACKUP_ELECTION_DONE = Message(2506, Severity.INFO, '~{Election} backup completed')

BACKUP_ELECTION_CODE_MISMATCH = Message(2507, Severity.ERROR, 'Confirm code does not match validation code')

BACKUP_ELECTION_SHOW_CODE = Message(2508, Severity.INFO, 'Show Validation Code')

Election event messages

ELECTION_CREATED = Message(2000, Severity.INFO, '~{Election} created')

ELECTION_CREATE_TEST_DATA = Message(2001, Severity.INFO, 'Created ~{Election} test data')

ELECTION_IMPORTED = Message(2002, Severity.INFO, '~{Election} imported from {0}')

ELECTION_BACKED_UP = Message(2003, Severity.INFO, '~{Election} backed-up')

ELECTION_RESTORED = Message(2004, Severity.INFO, '~{Election} restored from {0}')

ELECTION_MIN_STATE = Message(2005, Severity.INFO, 'Election State must be at least {0}')

ELECTION_MAX_STATE = Message(2006, Severity.INFO, 'Election State must less than {0}')

ELECTION_SET_STATE = Message(2007, Severity.INFO, 'Set Election State to {0}')

Restore election messages

RESTORE_ELECTION_TITLE = Message(2511, Severity.INFO, 'Restore ~{Election}')

RESTORE_ELECTION_PROMPT_FILENAME = Message(2512, Severity.INFO, 'Select the file to restore')

RESTORE_ELECTION_PROMPT_PASSWORD = Message(2513, Severity.INFO, 'Enter the validation code for file')

RESTORE_ELECTION_START = Message(2514, Severity.TRACING, 'Processing table {0}')

RESTORE_ELECTION_DONE = Message(2515, Severity.INFO, '~{Election} restored from {0}')

RESTORE_ELECTION_NO_FILE_SELECTED = Message(2516, Severity.ERROR, 'You must select a file to restore')

RESTORE_ELECTION_INVALID_FILE = Message(2517, Severity.ERROR, 'Invalid or corrupt backup file {0}.\nReason: {1}')

RESTORE_ELECTION_HASH_MISMATCH = Message(2518, Severity.ERROR, 'Hash mismatch table {0}')

RESTORE_ELECTION_INCORRECT_PASSWORD = Message(2519, Severity.ERROR, 'Incorrect validation code entered')

RESTORE_ELECTION_MISSING_FILES = Message(2520, Severity.ERROR, 'Missing files {0}.')

Election upgrade messages

UPGRADE_ELECTION_TITLE = Message(2541, Severity.INFO, 'Upgrade Election Database')

UPGRADE_ELECTION_PROMPT = Message(2542, Severity.INFO, 'OK to upgrade the election database?')

UPGRADE_ELECTION_START = Message(2543, Severity.INFO, 'Upgrading Election')

UPGRADE_ELECTION_DONE = Message(2545, Severity.INFO, 'Upgrade election to version {0} done')

Error messages

ERROR_FIELD_EMPTY = Message(3001, Severity.ERROR, 'Field must not be empty')

ERROR_FIELD_TOO_SHORT = Message(3002, Severity.ERROR, 'Field must have at least {0} characters')

ERROR_FIELD_TOO_LONG = Message(3003, Severity.ERROR, 'Field must not more than {0} characters')

ERROR_DUPLICATE_VALUE = Message(3004, Severity.ERROR, 'Duplicate value {0}')

ERROR_FIELD_TOO_SMALL = Message(3005, Severity.ERROR, 'Field must be at least {0}')

ERROR_FIELD_TOO_BIG = Message(3006, Severity.ERROR, 'Field must not be more than {0}')

ERROR_FIELD_NOT_INT = Message(3007, Severity.ERROR, 'Field must be an integer')

ENTITY_TYPE_NOT_TYPE = Message(3008, Severity.ERROR, 'Entity is not a {0}')

ERROR_FIELD_INVALID_OR_EMPTY = Message(3009, Severity.ERROR, 'Field invalid value or empty, Please select one or more {0}')

ERROR_PASSWORDS_NOT_MATCH = Message(3010, Severity.ERROR, 'Passwords do not match')

ERROR_WILL_LOCK_OUT = Message(3011, Severity.ERROR, 'Cannot use ~{Role} {0}, no ~{User} will be able to edit ~{Users}')

ERROR_NEED_PERMISSIONS = Message(3012, Severity.ERROR, 'At least one Role must have {0} permissions')

ERROR_IMAGE_TOO_LARGE = Message(3013, Severity.ERROR, 'Image file is too large, max. size is {0}Kb')

ERROR_INVALID_IMAGE = Message(3014, Severity.ERROR, 'Invalid image file, only JPEG, PNG, and BMP allowed.')

ERROR_USER_NAME = Message(3015, Severity.ERROR, 'User name cannot contain @ character')

ERROR_PASSWORD_STRENGTH = Message(3016, Severity.ERROR, 'Password must be at least {0} characters long\nand contain characters from at least {1} groups\nof characters [a-z], [A-Z], [0-9], [~!@#$%^&*()_-+=]')

ERROR_PASSWORD_NAME = Message(3017, Severity.ERROR, 'Password and username cannot match.')

ERROR_PASSWORD_REUSED = Message(3018, Severity.ERROR, 'Cannot re-use one of your last {0} passwords')

ERROR_PASSWORD_COMPLEXITY_LENGTH = Message(3019, Severity.ERROR, 'Password length must be more than password complexity.')

ERROR_FONT_TOO_LARGE = Message(3020, Severity.ERROR, '~{Font} file is too large, max. size is {0}Kb')

ERROR_FONT_NAME = Message(3021, Severity.ERROR, '~{Font} name may only contain characters a-z A-Z 0-9 - _ or space.')

ERROR_FONT_CODE = Message(3022, Severity.ERROR, '~{Font} code may only contain characters a-z A-Z 0-9 - _ , or space.')

ERROR_INVALID_DATE = Message(3101, Severity.ERROR, 'Invalid date. Format is: yyyy-mm-dd')

ERROR_DATE_TOO_EARLY = Message(3102, Severity.ERROR, 'Date year must be > 1900')

ERROR_NO_ENTITY_CANNOT_ADD = Message(3201, Severity.ERROR, 'No {0} exist, cannot add {1}')

ERROR_TOO_MANY_ENDORSEMENTS = Message(3301, Severity.ERROR, "Too many ~{Candidates} endorse by ~{VoterGroup} {0}")

ERROR_CHILD_VOTERGROUP_SELECT = Message(3302, Severity.ERROR, "Cannot Straight ~{VoterGroup} vote ~{Contest} {0}, too many ~{Candidates} endorse by a ~{VoterGroup}")

ERROR_PARENT_VOTERGROUP_SELECT = Message(3303, Severity.ERROR, "Cannot Straight ~{VoterGroup} vote, too many ~{Candidates} endorse by ~{VoterGroup} {0}")

ERROR_SELECT_ONE_OF = Message(3304, Severity.ERROR, 'You must select either {0} or {1}')

ERROR_ALREADY_ENDORSED = Message(3305, Severity.ERROR, '~{VoterGroup} {0} is already defined for the ~{Contest}')

ERROR_CANDIDATE_ENDORSEMENT = Message(3306, Severity.ERROR, '~{CandidateType} {0} cannot be endorsed by partisan ~{VoterGroups}.')

ERROR_HEADER_TO_CONTEST_BLANK = Message(3401, Severity.ERROR, '~{To Contest} must be defined if ~{From Contest} defined')

ERROR_HEADER_FROM_CONTEST_BLANK = Message(3402, Severity.ERROR, '~{From Contest} must be defined if ~{To Contest} defined')

ERROR_HEADER_TO_CONTEST_ORDER = Message(3403, Severity.ERROR, '~{To Contest} must have a sequence number greater than the ~{From Contest}')

ERROR_CONTESTS_NO_VOTERGROUP = Message(3404, Severity.ERROR, 'All ~{Contests} must be linked to at lease one ~{VoterGroup}')

ERROR_CONTEST_ENDORSE = Message(3405, Severity.ERROR, 'Some ~{Contests} are only endorsed by this ~{VoterGroup},\ntherefore cannot un-check ~{endorse_contests}')

ERROR_OVERLAP_VOTE_POSITION = Message(3406, Severity.ERROR, 'Cannot save. Overlapping voting position side:{0}, row:{1}, column:{2}')

ERROR_CANNOT_LOCK_SELF = Message(3407, Severity.ERROR, 'Cannot lock your own account.')

ERROR_INVALID_MACROS = Message(3408, Severity.ERROR, 'Invalid ballot macros {0}.')

ERROR_INVALID_DEVICEMESSAGE_MACROS = Message(3409, Severity.ERROR, 'Invalid ballot macros in ~{DeviceMessages}: {0}.')

ERROR_PARTISAN_OR_NONPARTISAN_ONLY = Message(3510, Severity.ERROR, 'Select either Non-Partisan or Partisan ~{VoterGroups}.')

ERROR_VOTERGROUP_NOT_IN_PREFERENCE = Message(3511, Severity.ERROR, 'No selected ~{VoterGroup} in the {0} ~{Contest}.')

ERROR_STRAIGHT_PARTY_BALLOT_ONCE = Message(3512, Severity.ERROR, 'Cannot use "On Ballot Once" with any Straight ~{VoterGroup} option.')

ERROR_PRIMARY_PREFERENCE_ENDORSEMENT = Message(3513, Severity.ERROR, '~{Primary Preference} ~{Contest} cannot be endorsed by partisan ~{VoterGroups}.')

ERROR_CONTROLLING_SEQUENCE = Message(3514, Severity.ERROR, 'The ~{sort_seq} must be greater than the controlling\n~{Contest} "{0}" which controls it ({1}).')

ERROR_CONTROLLED_SEQUENCE = Message(3515, Severity.ERROR, 'The ~{sort_seq} must be less than the ~{sort_seq}\nof the ~{Contests} controlled by this ~{Contest} ({1}).')

General messages

GENERIC_EXCEPTION = Message(0001, Severity.EXCEPTION, 'Exception: {0} when {1} {2}: {3}')

UPGRADE_SYSTEM_DATABASE = Message(0002, Severity.INFO, 'Upgrade System database to version {0}, software version {1}')

ELECTION_NEEDS_UPGRADING = Message(0003, Severity.INFO, 'Election needs to be upgraded before it can be accessed.')

ACCESS_URL = Message(0004, Severity.INFO, 'Access url "{0}"')

USER_DATA_ERROR = Message(0005, Severity.ERROR, "User input error: {0}")

USER_CONFIRMATION = Message(0006, Severity.INFO, "User confirmation: {0}")

SOFTWARE_NEEDS_UPGRADING = Message(0007, Severity.ERROR, 'Need a newer version of ClearDesign to access this Election.')

LOG_PROMPT = Message(1500, Severity.INFO, 'User prompted; {0} - {1}')

PRINT_REPORT = Message(2100, Severity.INFO, 'Printed report {0} format {1}')

NO_CANDIDATE_FILED = Message(5001, Severity.TRACING, 'No ~{Candidate} Filed')

TO_WRITE_IN = Message(5002, Severity.TRACING, 'OrWrite-In')

SUB_DIVISION = Message(5003, Severity.TRACING, 'SUBDIVISION')

TO_VOTE_FOR = Message(5004, Severity.TRACING, '<p class="sub-header-5">Vote for {0}</p>')

YES_RESULT = Message(5005, Severity.TRACING, 'Results of a YES vote:')

NO_RESULT = Message(5006, Severity.TRACING, 'Results of a NO vote:')

IMPORT_STRONG = Message(5007, Severity.TRACING, 'Amends Constitution')

Import, general messages

IMPORT_ERROR = Message(2560, Severity.ERROR, 'File {0}, Line {1}: {2}')

IMPORT_NO_ENTITY = Message(2561, Severity.ERROR, 'File {0}, Line {1}: Cannot find {2} with import ID {3}')

IMPORT_BAD_VALUE = Message(2562, Severity.ERROR, 'File {0}, Line {1}: Invalid value {2} for field {3} should be {4}')

IMPORT_VALUE_TOO_BIG = Message(2563, Severity.ERROR, 'File {0}, Line {1}: Invalid value {2} for field {3}, it must not be more than {4}')

IMPORT_DUPLICATE = Message(2564, Severity.ERROR, 'File {0}, Line {1}: Duplicate record {2}')

IMPORT_MISSING_COLUMN = Message(2565, Severity.ERROR, 'File {0}: Missing column {1}')

Invalidating message

INVALIDATING_BALL0T_GROUPS = Message(2701, Severity.INFO, 'Invalidating ~{BallotGroups} for {0}: {1}')

INVALIDATING_BALLOT_STYLES = Message(2702, Severity.INFO, 'Invalidating ~{BallotStyles} for {0}: {1}')

INVALIDATING_CARD_STYLES = Message(2703, Severity.INFO, 'Invalidating ~{CardStyles} for {0}: {1}')

INVALIDATED_BALLOT_STYLES = Message(2704, Severity.INFO, 'Invalidated {0} ~{BallotStyles}')

INVALIDATED_CARD_STYLES = Message(2705, Severity.INFO, 'Invalidated {0} ~{CardStyles}')

INVALIDATED_MEDIA = Message(2706, Severity.INFO, 'Invalidated {0} ~{DeviceTypes}')

INVALIDATE_BALLOT_STYLES = Message(4020, Severity.WARNING, '- Invalidate some ~{BallotStyles}')

INVALIDATE_CARD_STYLES = Message(4021, Severity.WARNING, '- Invalidate some ~{CardStyles}')

INVALIDATE_MEDIA = Message(4024, Severity.WARNING, '- Invalidate some election media')

Language audio import messages

IMPORT_LANGUAGEAUDIO_TITLE = Message(2861, Severity.INFO, 'Import ~{Language} Audio Files')

IMPORT_LANGUAGEAUDIO_PROMPT = Message(2862, Severity.INFO, 'Select the file to import')

IMPORT_LANGUAGEAUDIO_PROCESS_FILE = Message(2863, Severity.TRACING, 'Processing: {0}')

IMPORT_LANGUAGEAUDIO_DONE = Message(2864, Severity.INFO, 'Imported {0} ~{Languages}')

IMPORT_LANGUAGEAUDIO_NO_FILE_SELECTED = Message(2865, Severity.ERROR, 'You must select a file to restore')

IMPORT_LANGUAGEAUDIO_INVALID_FILE = Message(2866, Severity.ERROR, 'Invalid or corrupt import file {0}.\nReason: {1}')

IMPORT_LANGUAGEAUDIO_MISSING_FIELD = Message(2867, Severity.ERROR, 'Require import field {0} is missing')

IMPORT_LANGUAGEAUDIO_ERRORS = Message(2868, Severity.ERROR, 'Error: ~{Language} Audio import fail with {0} errors:\n{1}')

IMPORT_LANGUAGEAUDIO = Message(2869, Severity.INFO, 'Imported Audio for ~{Language} {0}')

IMPORT_LANGUAGEAUDIO_MISSING_FILE = Message(2870, Severity.ERROR, 'File {0}, Line {1}: Import Audio missing file {2}')

IMPORT_LANGUAGEAUDIO_INVALID_AUDIO_FILE = Message(2871, Severity.ERROR, 'File {0}, Line {1}: Invalid audio file {2}')

Language text export messages

EXPORT_LANGUAGETEXT_TITLE = Message(2811, Severity.INFO, 'Export ~{Language} Text Files')

EXPORT_LANGUAGETEXT_PROMPT = Message(2812, Severity.INFO, 'OK to Export ~{Language} Text Files?')

EXPORT_LANGUAGETEXT_PROCESS_FILE = Message(2813, Severity.TRACING, 'Processing: {0}')

EXPORT_LANGUAGETEXT_DONE = Message(2814, Severity.INFO, 'Exported ~{Language} Text Files')

EXPORT_LANGUAGETEXT_INCLUDE_ERROR = Message(2815, Severity.INFO, 'At least one "Include" must be selected')

Language text import messages

IMPORT_LANGUAGETEXT_TITLE = Message(2801, Severity.INFO, 'Import ~{Language} Text Files')

IMPORT_LANGUAGETEXT_PROMPT = Message(2802, Severity.INFO, 'Select the file to import')

IMPORT_LANGUAGETEXT_PROCESS_FILE = Message(2803, Severity.TRACING, 'Processing: {0}')

IMPORT_LANGUAGETEXT_DONE = Message(2804, Severity.INFO, 'Imported {0} ~{Languages}')

IMPORT_LANGUAGETEXT_NO_FILE_SELECTED = Message(2805, Severity.ERROR, 'You must select a file to restore')

IMPORT_LANGUAGETEXT_INVALID_FILE = Message(2806, Severity.ERROR, 'Invalid or corrupt import file {0}.\nReason: {1}')

IMPORT_LANGUAGETEXT_MISSING_FIELD = Message(2807, Severity.ERROR, 'Require import field {0} is missing')

IMPORT_LANGUAGETEXT_ERRORS = Message(2808, Severity.ERROR, 'Error: ~{Language} import fail with {0} errors:\n{1}')

IMPORT_LANGUAGETEXT = Message(2809, Severity.INFO, 'Imported text for ~{Language} {0}')

IMPORT_LANGUAGETEXT_INVALIDATE_CARDS = Message(2810, Severity.TRACING, 'Invalidate affected ~{CardStyles}')

Layout messages

LAYOUT_CARD_STYLES_TITLE = Message(2621, Severity.INFO, 'Layout ~{CardStyles}')

LAYOUT_CARD_STYLES_PROMPT = Message(2622, Severity.INFO, 'OK to layout ~{CardStyles}?')

LAYOUT_CARD_STYLES_START = Message(2623, Severity.TRACING, 'Initializing ~{CardStyle} layout')

LAYOUT_CARD_STYLES_DONE = Message(2624, Severity.INFO, 'Laid out {0} ~{BallotStyles} for a total of {1} ~{CardStyles}')

LAYOUT_CARD_STYLES_ALLDONE = Message(2625, Severity.INFO, 'All ~{CardStyles} already laid out.')

LAYOUT_CARD_STYLES_NOBALLOTS = Message(2626, Severity.ERROR, '~{BallotStyles} must be generated before ~{Cards} can be laid out.')

LAYOUT_CARD_STYLES_NOTALL = Message(2627, Severity.WARNING, 'Warning: Not all ~{BallotStyles} are generated.')

LAYOUT_CARD_EMPTY_SPLITS = Message(2628, Severity.WARNING, 'Warning: Some ~{Splits} have no ~{Contests}. No ~{Cards} will be created for them')

Password and login messages

SET_SYSTEM_PASSWORD_TITLE = Message(0100, Severity.INFO, 'Set System Password')

SAVE_SYSTEM_PASSWORD = Message(0101, Severity.INFO, 'Saving System Password')

SYSTEM_PASSWORD_MISMATCH = Message(0102, Severity.ERROR, 'Passwords do not match')

SYSTEM_PASSWORD_SAVED = Message(0103, Severity.INFO, 'The system password has been set')

AUTHENTICATION_FAILED = Message(1000, Severity.ERROR, 'Authentication Failed. Re-enter your username and password.')

LOGIN_SUCCESS = Message(1001, Severity.INFO, 'User {0} logged in.')

LOGIN_FAIL = Message(1002, Severity.ERROR, 'User {0} failed to logged in.')

LOGOUT = Message(1003, Severity.INFO, 'User {0} logged out')

BACKGROUND_LOGIN = Message(1004, Severity.INFO, 'Background task with ID {0} logged in as user {1}')

SESSION_TIMEOUT = Message(1005, Severity.WARNING, 'Session timed out.')

REDIRECT_TO_LOGIN = Message(1006, Severity.WARNING, 'Redirect to /login from {0}')

BACKGROUND_TIMEOUT = Message(1007, Severity.ERROR, 'Background task {0} timed out.')

USER_LOCKED = Message(1008, Severity.WARNING, 'User account {0} locked, contact administrator.')

PASSWORD_EXPIRED = Message(1009, Severity.WARNING, 'Your password has expired. You must create a new password and then re-login.')

PASSWORD_NOT_SET = Message(1010, Severity.WARNING, 'Your password has not been set. You must create a new password and then re-login.')

USER_UNLOCKED = Message(1011, Severity.INFO, 'User account {0} un-locked.')

Reset ballot and card messages

RESET_BALLOT_STYLES_TITLE = Message(2611, Severity.INFO, 'Reset ~{BallotStyles}')

RESET_BALLOT_STYLES_PROMPT = Message(2612, Severity.INFO, 'OK to reset ~{BallotStyles}?')

RESET_BALLOT_STYLES_START = Message(2613, Severity.INFO, 'Resetting ~{BallotStyles}')

RESET_BALLOT_STYLES_DONE = Message(2614, Severity.INFO, 'Reset {0} ~{BallotStyles}')

RESET_BALLOTS = Message(2615, Severity.INFO, 'Reset all ~{Ballots} and ~{Cards}?')

RESET_CARDS = Message(2616, Severity.INFO, 'Reset all ~{Cards} only?')

RESET_CARD_IDS = Message(2617, Severity.INFO, 'Also reset ~{Cards} IDs?')

RESET_CARD_STYLES_DONE = Message(2618, Severity.INFO, 'Reset {0} ~{CardStyles}')

RESET_CARD_IDS_DONE = Message(2619, Severity.INFO, 'Reset ~{Card} IDs')

Votercount, export

EXPORT_VOTERCOUNT_TITLE = Message(2580, Severity.INFO, 'Export ~{VoterCounts}')

EXPORT_VOTERCOUNT_PROMPT = Message(2581, Severity.INFO, 'OK to export ~{VoterCounts}?')

EXPORT_VOTERCOUNT_PROCESS_LINE = Message(282, Severity.TRACING, 'Processing line: {0}')

EXPORT_VOTERCOUNT_DONE = Message(2583, Severity.INFO, 'Exported {0} ~{VoterCount} records')

Votercount, import

IMPORT_VOTERCOUNT_TITLE = Message(2570, Severity.INFO, 'Import ~{VoterCounts}')

IMPORT_VOTERCOUNT_PROMPT = Message(2571, Severity.INFO, 'Select the ~{VoterCounts} file to import')

IMPORT_VOTERCOUNT_PROCESS_LINE = Message(2572, Severity.TRACING, 'Processing line: {0}')

IMPORT_VOTERCOUNT_DONE = Message(2573, Severity.INFO, 'Imported {0} ~{VoterCount} records')

IMPORT_VOTERCOUNT_NO_FILE_SELECTED = Message(2574, Severity.ERROR, 'You must select a file to import')

IMPORT_VOTERCOUNT_TRACK = Message(2575, Severity.ERROR, '~{VoterGroup} {0} not set to track registration')

IMPORT_VOTERCOUNT_ERRORS = Message(2576, Severity.ERROR, 'Error: ~{VoterCount} import fail with {0} errors:\n{1}')

IMPORT_VOTERCOUNT_UNTRACKED = Message(2577, Severity.INFO, 'Add untracked ~{VoterGroup} totals to the {0} total')

Writein candidates

DELETE_WRITEIN_CANDIDATES = Message(4025, Severity.WARNING, '- Delete {0} ~{Write-in} ~{Candidates}')

ADD_WRITEIN_CANDIDATES = Message(4026, Severity.WARNING, '- Add {0} ~{Write-in} ~{Candidates}')