

# Codonics® SLS® Administration Tool Software

Release Notes

## Version 2.1.0 SLS Administration Tool Release Notes

### Summary

Version 2.1.0 is a software release for Codonics Safe Label System® (SLS) Administration Tool (AT). The software is compatible with SLS 500i® Point of Care Stations (PCS) installed with 2.1.0 software. As of this release, this version of software is considered the most current, stable, safe and effective version for SLS PCS.

This document provides information about New Features (i.e., Adaptive Updates), Product Improvements (i.e., Perfective Updates) and Product Corrections (i.e., Corrective Updates) in 2.1.0 SLS AT software.

The SLS AT User's Manual version 1.3.0 and User's Manual Addendum 1.8.0 provides further information about the AT.

**Recommended PC requirements for AT Stand-alone:**  
Intel Core™ 2 Duo Processor 2.66 GHz (or faster), 4 GB RAM

**Hard Drive Space:** Minimum 5 GB free space for application

Windows® XP or newer

Internet Explorer IE8 or newer

Excel 2003 or greater to open reports

**Screen Resolution:** Minimum 1440 x 900; use default browser fonts

**Additional Feature:**

**Configurable inactivity logout:** Maximum 8 hours

**Recommended requirements for AT Server:**

**Hardware:** Intel Quad Core (i5, i7 or Xeon) with 2 cores allocated to AT, 8 GB RAM

**Hard Drive Space:** Minimum 5 GB free space for application

**Windows® service:** Windows Server 2008, 2012

**Concurrent access:** Not supported

**Recommended requirements for AT Client:**

**Browser support:** Internet Explorer 8 through 11; contact Codonics for specific configuration.

**Screen Resolution:** Minimum 1440 x 900; use default browser fonts

**Computer OS:** Windows XP, Vista, Windows 7

**Applications:** Excel 2003 or greater to open reports

**Additional Feature:**

**Configurable inactivity logout:** Maximum 8 hours

### New Features

- ◆ A new label template, STD-3 displays **Miscellaneous Field** information on the label. From the AT's Configure Locale tab, select STD-3. When you create a formulary package, STD-3 will be used.

When editing drugs in the formulary, you can add information in the Miscellaneous Field such as Hospital Name and Address or a message such as **\*\*\*Discard at the End of Case\*\*\***.

- ◆ **New barcode rules were added to the Administration Tool.** Rules for Data Matrix (i.e., Rule 9), GS1 DataBar (i.e., Rule 10) and Code 128 (i.e., Rule 11) were added to the standard set of barcode parsing rules due to vials with different barcodes entering the U.S. marketplace.

Number	Symbology	Rule	Check Digit	Actions
4	EAN-128, GS1-128	#####	No Check Digit	[Copy] [Delete]
5	GS1 DataBar	01#03#####	GS1	[Copy] [Delete]
6	UPC-A, UPC-E, UPC-E1, EAN-8	03#####	UPC	[Copy] [Delete]
7	UPC-A, UPC-E, UPC-E1, EAN-8	3#####	UPC 12	[Copy] [Delete]
8	Interleaved 2 of 5, ITF-14	303#####	GTIN	[Copy] [Delete]
9	Data Matrix	#####	No Check Digit	[Copy] [Delete]
10	GS1 DataBar	01000#####	GS1	[Copy] [Delete]
11	Code 128, ISBT 128	#####	UPC 12	[Copy] [Delete]

**NOTE: If your site is:**

**A new AT Installation** - Your AT will automatically include these three new barcode parsing rules.

**An existing AT Installation with NO Custom Rules** - In order to include these three new rules in the Configure Barcode Parsing dialog (shown above), click on the Preset dropdown, then click on Custom. The Custom barcode screen will appear. Click on the Preset dropdown again, and then click on US\_NDC. The US\_NDC Preset will reappear with the three new barcode parsing rules included. Click Close and then click Save on the Configuration Localization dialog page.

**An existing AT Installation with Custom Rules** - If you want to add the three new barcode parsing rules, contact Codonics Technical Support for help in adding them.

- ◆ **The Data Analytics Tool (DAT) is released.** The tool can be found in the AT tools folder. If you would like to install the DAT on a different PC than where the AT is installed, refer to Codonics Technical Brief 901-267-004 for DAT instructions or contact Codonics Technical Support.

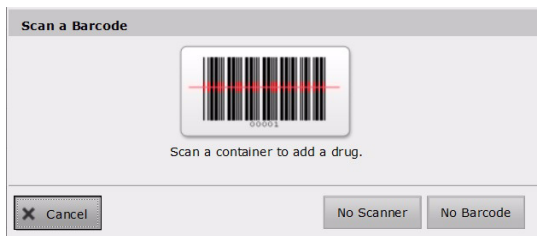
- ◆ **A second set of preparer’s initials can now be entered on the label when using Batch Mode.** In order to enable, check the Enable Second Preparer’s Initials area in the Syringe Labels tab of the Configuration screen. Create a configuration package and deploy to SLS PCS.

- ◆ **There is now an option to print a User Badge without showing the User ID.** In the Security Tab of the Configuration Tab, there is a new feature to Print User ID on Badge. By default it is checked.

**Product Improvements**

- ◆ **The auto-logout (i.e., Logoff Timeout) time was increased.** The timeout was increased from 28800 seconds (8 hrs) to 64800 seconds (18 hrs) to allow for longer surgeries (e.g., heart or brain) to occur without auto-logout of SLS.
- ◆ **SmartCopy now displays only unique matches.** Previously, SmartCopy would show all available drug matches even though the details are identical. Now, SmartCopy displays only the unique matches. As part of this improvement, matching on Hospital ID (i.e., HID) as a first priority is supported.

- ◆ **SmartCopy now uses all the MDD data of the drug being copied “to” and no longer updates MDD fields.** Previously if you SmartCopied a drug, the new drug entry would have its Tallman updated based on the Tallman of the drug it was being copied “from” (from the MDD data entry). Now, the new drug entry uses the Tallman of the drug being copied “to”. In addition, the new drug entry preview label image shows the Tallman of the drug being copied “to” rather than the drug being copied “from”.
- ◆ **A new warning is included when the RBX-1 label is chosen.** The message states May need to be used with additional labels that include expiration date or expiration time in order to meet TJC Guidelines. End-user must take responsibility for confirming usability of the resultant labels.
- ◆ **Provided capability to Verify a drug directly after adding a drug in the MDD.** You can now directly Verify a drug after learning a drug container in the MDD.
  - ◆ Click on Learning Drugs in the AT. The Scan a Barcode dialog will be displayed.

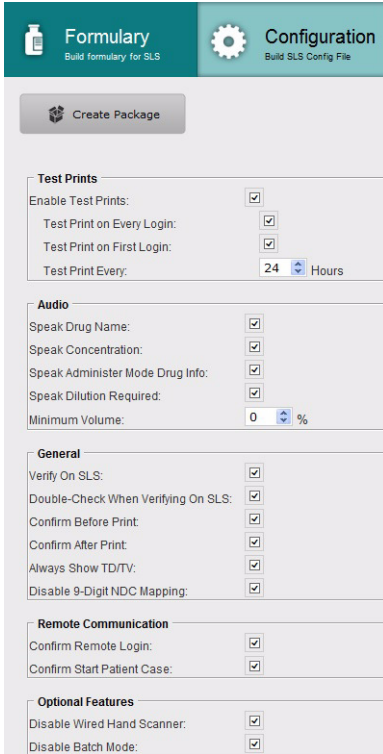


- ◆ Scan the container. A New Drug edit dialog will be displayed. Enter the drug information and then click on Create and Verify.

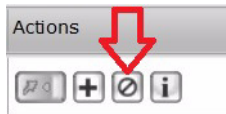
- ◆ A Create and Verify Drug dialog will be displayed. You should verify the information in the dialog and click on Yes. This will enter the information into the MDD, verify the drug entry and add the drug entry to the formulary if checked in the New Drug dialog (above).

- ◆ **Formulary package creation time with 9-digit mapping was improved.**
- ◆ **Expiration time can now be set in fractions of an hour.** You can add a fraction of an hour to two decimals. Up to four decimal places can be added but it will be rounded to two.

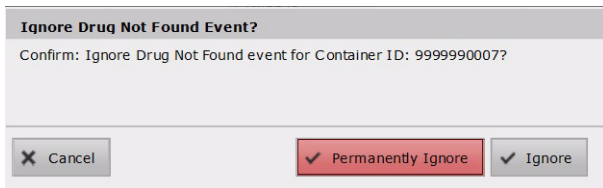
- ◆ The **Safety Setting** tab of the **Configuration Page** was reorganized.



- ◆ **DNF events can now be Permanently Ignored.**
  - ◆ For those entries that you want permanently ignored, click on the Ignore icon in the DNF filter.



- ◆ A dialog will appear. Click on Permanently Ignore.

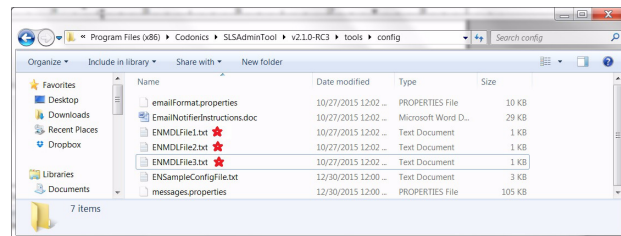


- ◆ The entry will move to the Ignored filter, the Container ID will be colored pink, and the Ignored icon will also be colored pink.



- ◆ **Email Notifier (EN) now provides capability to send emails from specific SLS PCSs to specific groups.** For example, you can create separate Master Device Lists (e.g., MDL1 for site 1, MDL2 for site 2, MDL 3 for Pharmacy) for each individual site in an enterprise so that Biomedics can monitor their own specific SLSs while Pharmacy can have an enterprise-wide MDL check status, and deploy updated software, formularies and configuration packages for all SLS PCSs. Previously, one MDL was used for the EN and all email groups used this MDL.

- ◆ Create different MDLs based on which devices you want specific groups to monitor. Refer to AT User's Manual (Codonics Part Number 905-062-029) for instructions on creating a MDL.
- ◆ Place the MDLs in the AT folder location, by default C:\Program Files (x86)\Codonics\SLSAAdminTool\v2.1.0\tools\config



- ◆ Configure the EN Config File also located by default at C:\Program Files (x86)\Codonics\SLSAdminTool\v2.1.0-RC3\tools\config with the specific messages and groups to receive them. Define which MDL (e.g., MDL1, MDL2, MDL3 etc.) should be used to capture those specific events.

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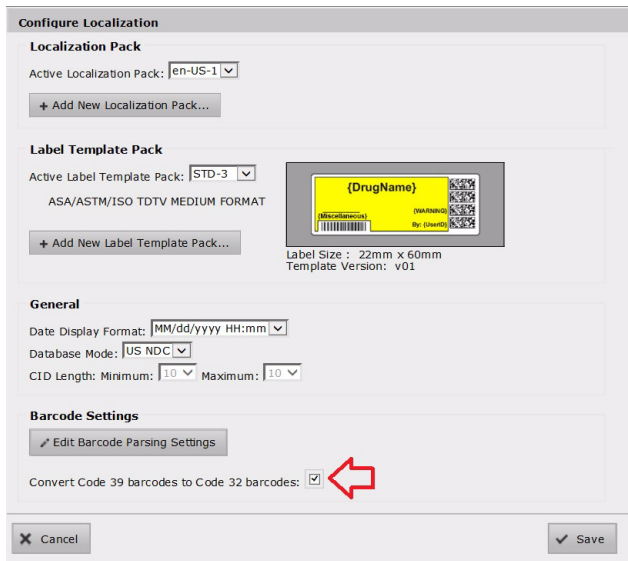
# MailGroup for Pharmacy Events only - sent every 15 minutes during
# normal working hours
# IF an MDL file is specified, the email group will use that MDL
# Instead of the system.mdl, to disable this, comment out the line
# beginning with mailgroup.pharmacyEvents.mdl.filename. The group will then
# default to system.mdl
mailgroup.pharmacyEvents.subject = SLS Pharmacy Events
mailgroup.pharmacyEvents.emailTo = user1@example.com, user2@example.com
mailgroup.pharmacyEvents.startTime = 9:00
mailgroup.pharmacyEvents.endTime = 17:00
mailgroup.pharmacyEvents.intervalMinutes = 15
mailgroup.pharmacyEvents.events = DRUG_NOT_FOUND, DRUG_NOT_APPROVED, DRUG_VERIFIED, DRUG_FAILED_VERIFICATION
mailgroup.pharmacyEvents.mdl.filename = ENMDL1.txt

# MailGroup for All Events - sent every hour during normal working hours
mailgroup.allEventsSite1.subject = SLS Events Site 1
mailgroup.allEventsSite1.emailTo = user1@example.com, user2@example.com, user3@example.com
mailgroup.allEventsSite1.startTime = 9:00
mailgroup.allEventsSite1.endTime = 17:00
mailgroup.allEventsSite1.intervalMinutes = 60
mailgroup.allEventsSite1.events = PRINTER_OUT_OF_INK, PRINTER_INK_LOW, PRINTER_PAPER_OUT, UPDATE_TRANSFERRING, UPDA
mailgroup.allEventsSite1.mdl.filename = ENMDL1.txt

```

**NOTE:** Refer to the Email Notifier section in the AT User's Manual (Codonics Part Number 905-062-029) for EN setup instructions or contact Codonics Technical Support.

- ◆ A configuration setting to convert Code 39 barcodes to Code 32 barcodes was added. The setting is in the Configure Localization dialog and by default is set to on.



- ◆ The AT supports new drug names. The drug names are cetacaine, fluorouracil, oxymetazoline, and mitomycin.

- ◆ The AT supports new concentration numbers. The numbers are 0.14, 3.3, 8.5, and 640.

### Product Corrections

- ◆ Custom label templates now fully migrate. Custom templates using SVG-7 will fully migrate and not fail on create formulary. In 1.7.0 SW, all syringe templates were allowed to have a selectable background. Migrating from 1.6.0 was not completely supported and creating a formulary with a new AT would fail. The user was forced to select a background color for the incomplete DCTs. Now custom label templates using SVG-7 are properly migrated. The migration tool will now set the background color to white (#FFFFFF) if nothing is set.
- ◆ Formulary Report generation now works with 50,000 drugs in the formulary.
- ◆ An error is now displayed when there is a missing APP package on Package Builder dialog. If the APP package is missing from the updates folder and the user tries to install the APP from the ATDM, an error stating Unable to find SLS software package file is shown. This message is now also shown when creating a multi-package from the Package Builder.
- ◆ A Configuration report can now be generated when there is a custom barcode definition. Previously, a report could not be generated.
- ◆ Formulary report no longer shows an Add and Delete event when a MDD drug is deleted and then undone. If there is a drug in the MDD and SLS Formulary and the drug is Deleted from the MDD and then the deletion is undone, the formulary report will show no formulary changes.
- ◆ Group editing and performing a search no longer remains active after logging out of the AT. After logging out, any group edit or search that had occurred is now cleared.
- ◆ SmartCopy now works for a formulary drug if it has been deleted and then Undone. Previously, if a formulary drug was deleted and then Undone, SmartCopy did not work with that drug.
- ◆ Barcode Definition 1 (MID/Expiration Date) is now working. It was preventing the SLS from printing syringe labels and instead displayed a Barcode Could Not be Generated error.

## Known Common Issues

This section details common issues with 2.1.0 AT software that are likely to be experienced by most users. These issues are specific to the current release; previous issues can be found in previous Release Notes. None of the issues included in the document are considered to render the product unsafe or ineffective for clinical use.

- ◆ **WARNING: The formulary report does not sort duplicates.** Duplicate Container IDs in the formulary are reported but are displayed in a way that may not put the duplicates together. You can sort the Excel spreadsheet on Container ID.
- ◆ **WARNING: Replacing drug names with non-Latin characters (e.g., Kanji, Hebrew) causes duplicate drug entries in the MDD.** When the MDD screen is sorted by drug name, changing a drug name to begin with a non-Latin character causes the drug to display twice. When the issue occurs, editing either of the duplicate drug entries in the MDD changes the other entry properly. Re-sorting the MDD list or refreshing the MDD by switching to another page in the AT and then back causes the drug name to only display once, sorted after the names that start with Latin characters. If the drug is already in the SLS PCS formulary, then the drug name will display with the changed characters in the formulary and will be listed only once.
- ◆ **WARNING: The pre-import report does not identify duplicate drug IDs when importing via a CSV.** You are required to run a formulary report before generating an approved formulary and should review the Duplicate reports in the Safety worksheet to make sure all duplicates or potential duplicates in the MDD and formulary are identified.
- ◆ **You cannot add a highlighted dilution of the same dilution value and units once a dilution is created (and vice versa).** For example, if you initially create an unhighlighted dilution of 5 mcg/mL in the Choose Dilutions dialog and later want to add a highlighted dilution of 5 mcg/mL, only the unhighlighted value will be saved for a drug entry. When creating a dilution value, make sure to add both unhighlighted and highlighted dilution values at the time of creation.

## Known Uncommon Issues

This section details uncommon issues with 2.1.0 AT software that are unlikely to be experienced by most users. These issues are specific to the current release; previous issues can be found in previous Release Notes. None of the issues included in the document are considered to render the product unsafe or ineffective for clinical use.

- ◆ **WARNING: If a drug record is modified in the MDD after it has been added to the formulary, the AT does not automatically update the audio file association.** If the drug name is changed in the MDD, the associated audio file will not change, resulting in a possible incorrect association. As a work around, you can either remove and then add the drug to the formulary to trigger a new audio file association, or manually select the correct audio file from the formulary edit dialog box.
- ◆ **WARNING: A concentration length of greater than 15 characters is converted to an incorrect value in the MDD when imported.** For example, a number such as 12345678901234567890 is converted to 92,233,720,368,547.77.
- ◆ **WARNING: Combination drugs with long drug names do not display the second drug name.** Combination drugs with very long drug names only display the first drug name as truncated. There is no indication as to what the second drug name is. Users should look to modify the entry of the drug name (e.g. Calcium can be entered as Ca). Another option is to enter the drug name in the Tallman field of the AT which will reduce the font size.
- ◆ **Changing barcode parsing rule presets from US\_NDC to Custom does not warn you that custom rules will be removed.**

## Technical Support

If problems occur during software installation or operation, contact Codonics Technical Support at any time.

Phone: +1.440.243.1198

Email: support@codonics.com

Website: www.codonics.com

*Get it all with just one call*  
**800.444.1198**

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