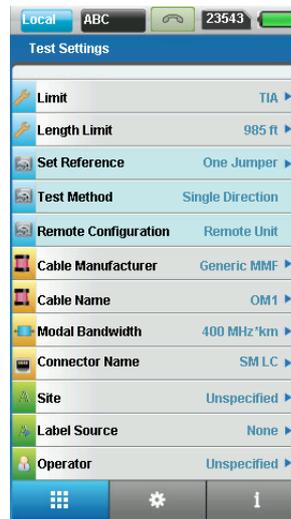


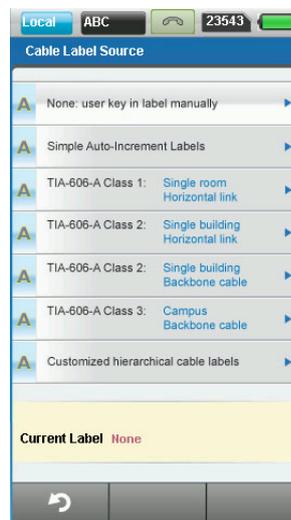
Automatic Labeling Schemes in Certifier40G

Certifier40G has a built-in customizable system to conveniently and accurately label files when storing test results from such complex locations as campuses with multiple buildings, floors, rooms, and panels. You can configure the Certifier40G to automatically generate file labels or you can enter them manually. The instructions provided in this application note are valid for software version 4.2.7 and later.

To set up the automatic labeling scheme, go to Test Settings and select Label Source to bring up the Cable Label Source screen.



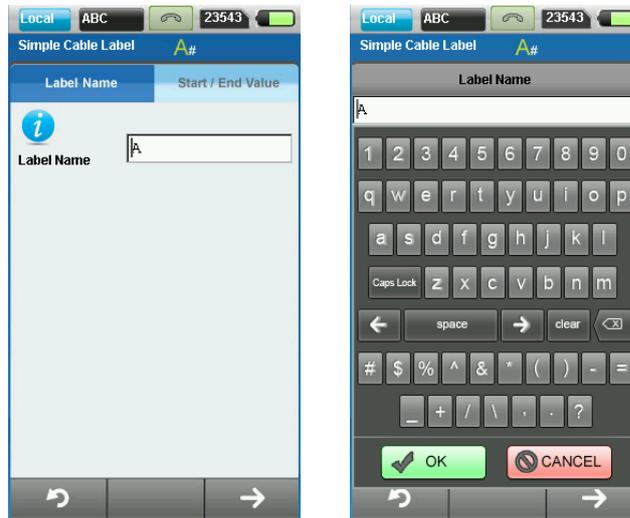
Here, you can choose how to generate file names from a list (in order of those shown) of options: manual, simple automatically generated, and then several more complex automatic labeling schemes. Currently there is no labeling scheme, as illustrated at the bottom of the screen below. None appears because the manual option is selected.



To use a simple cable label, select Simple Auto-Increment Labels.

Configuring the Simple Cable Label scheme

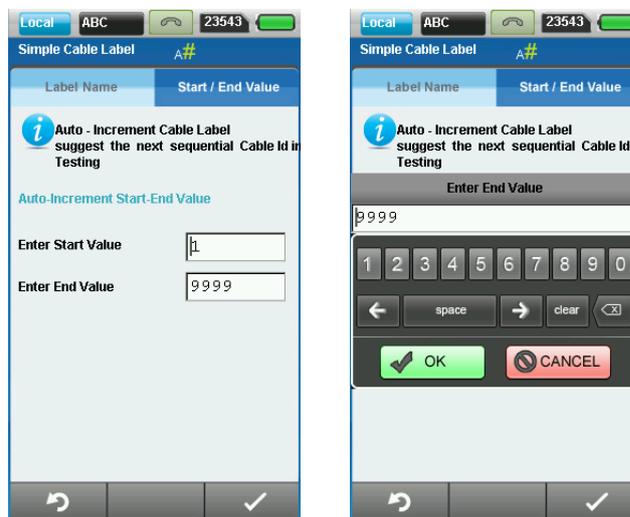
At the prompt, enter a name for the label, which can be a mix of letters and symbols. The label name will apply to all of the files. For example, the screenshot below shows A as the Label Name.



Click the arrow (→) when complete.

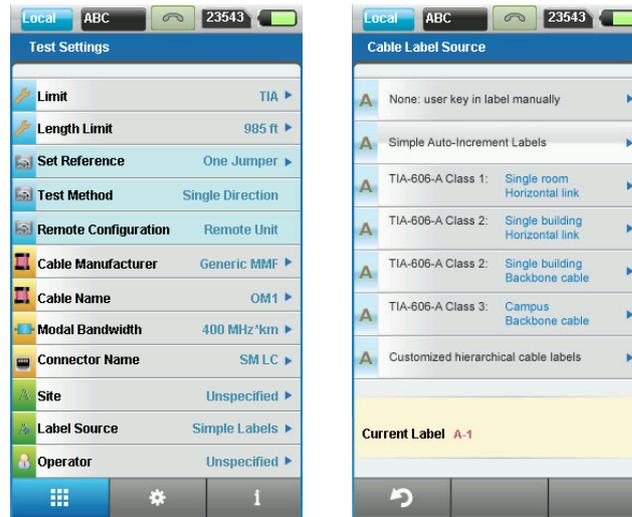
The next screen lets you edit the start/end values to specify a range of numbers added to the file names, for example, 1 – 9999, to differentiate them and to represent autotests conducted at different times/locations. Once edits have been completed, click OK.

The Certifier40G automatically adds a dash (-) between the label name and number when using the Simple Cable Labeling scheme. These specifications generate file names such as A-1, A-2, ... A-9999.

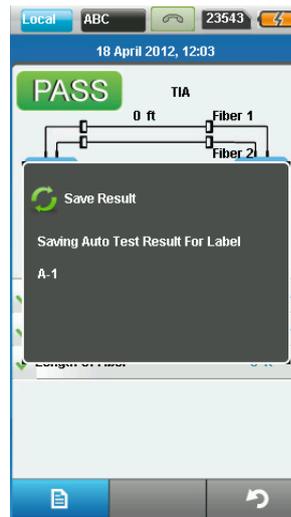


Click the check mark (✓) at the bottom right to confirm this labeling scheme.

Go to the Test Settings page to check that you have set the proper labeling scheme. The Cable Label Source page should now show Simple Labels with A-1 as the current label.



If autosave is on, a Save Result popup will appear after an autotest showing the autosaved file name.



To display a list of saved files after running a series of tests, press the Data button.

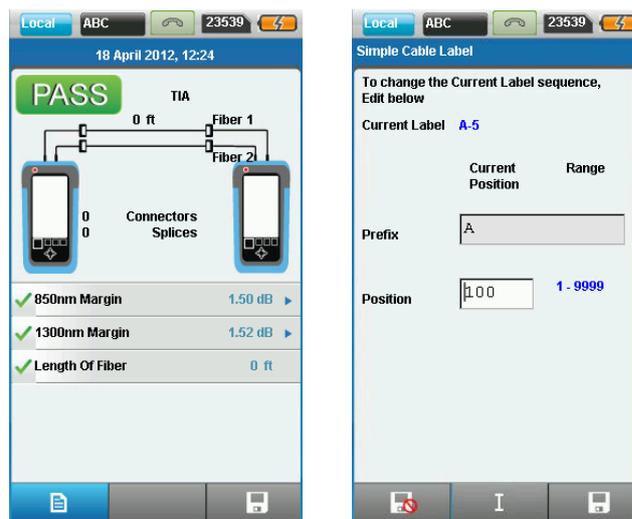
A list of the most recently saved autotest files will display.



Modifying labels during testing

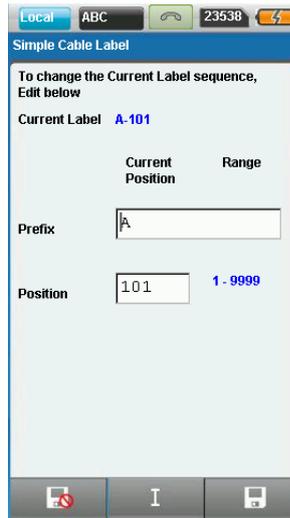
You still can make manual adjustments to automatically generated file labels. Midway through the test process, you can skip a range of numbers and continue numbering from a value that you input manually. However, you must first turn off autosave prior to making these manual adjustments.

After an autotest, a save icon appears at the bottom right of the screen when autosave is off. Click the save icon.



The Edit Label Sequence page will appear where you can edit the current label name. The current label default for the current test result is A-5. You can edit both the prefix and position of this label. Entering a new position will restart the numbering of future files based on the new number entered.

For example, editing the position to 100 will default the label of the next autotest position to 101, as shown on the next screen. Note the current label appears as A-101.

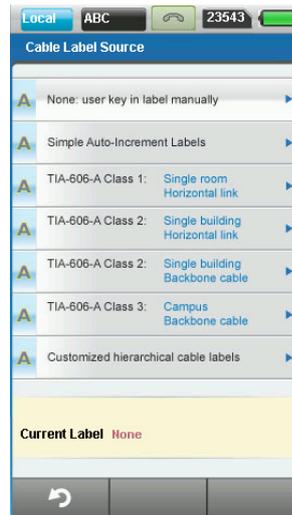


Without further manual changes to subsequent tests, the resulting file list will appear.



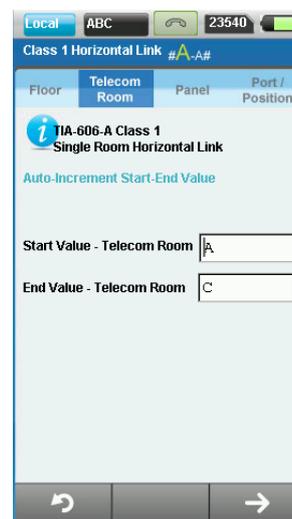
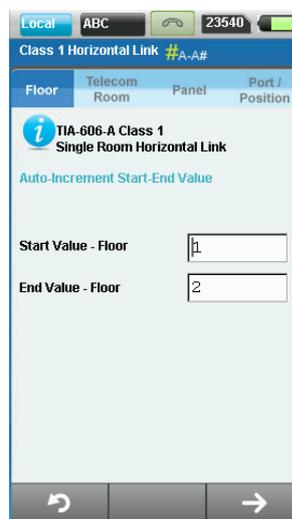
Configuring a TIA 606A Class 1 Labeling Scheme

From the Cable Label Source page, select Class 1: Single room Horizontal link.



The Class 1 Horizontal Link page has four tabs at the top labeled Floor, Telecom Room, Panel, and Port/Position that describe the variables appearing in the file label. The variables entered can be letters or numbers. Telecom Room and Panel are indicated with letters, incrementing in alphabetical order. You can change the start and end values to other letters, but you cannot change them to numbers.

Edit the start/end values for the variables on each tab. Click the arrow (→) after completing each variable to proceed to the next. You may click the return icon (circle arrow) at any time to quit. When you reach the Port/Position tab, click the check mark (✓) to confirm your input and implement the labeling scheme.



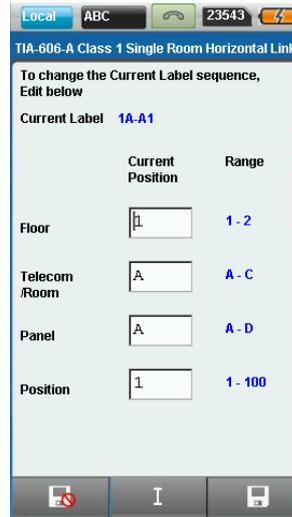


The settings above will set the Current Label to 1A-A1.

A series of autotests now will generate the file names shown on the screen below.



For this labeling scheme, when autosave is off, the Edit Label Sequence page appears prior to saving the autotest file so you can edit the Floor, Telecom Room, Panel, and Position variables.



TIA-606-A Class 1 Single Room Horizontal Link

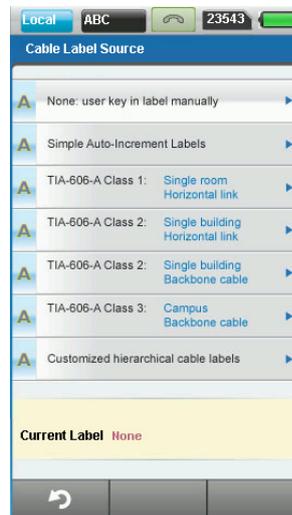
To change the Current Label sequence, Edit below

Current Label **1A-A1**

	Current Position	Range
Floor	<input type="text" value="1"/>	1 - 2
Telecom Room	<input type="text" value="A"/>	A - C
Panel	<input type="text" value="A"/>	A - D
Position	<input type="text" value="1"/>	1 - 100

Configuring a TIA 606A Class 2 (Single Building Horizontal Link) Labeling scheme

From the Cable Label Source page, select Class 2: Single building Horizontal link.

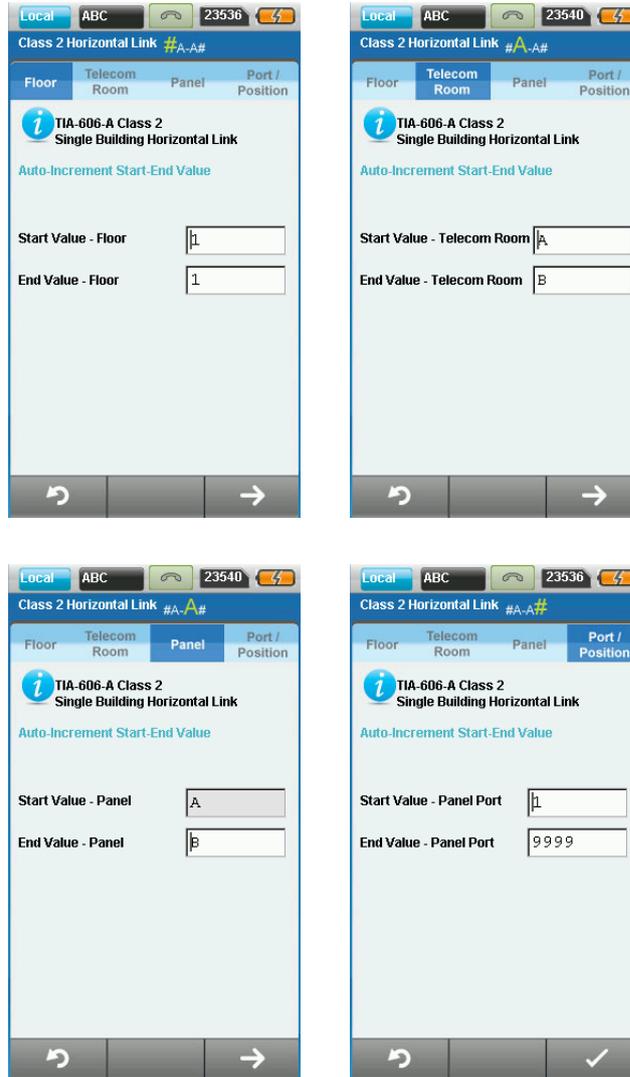


Cable Label Source

- None: user key in label manually
- Simple Auto-Increment Labels
- TIA-606-A Class 1: Single room Horizontal link
- TIA-606-A Class 2: Single building Horizontal link**
- TIA-606-A Class 2: Single building Backbone cable
- TIA-606-A Class 3: Campus Backbone cable
- Customized hierarchical cable labels

Current Label **None**

The Floor, Telecom Room, Panel, and Port/Position tabs will appear at the top of the screen.



The settings above will set the Current Label to 1A-A1. Click the check mark (✓) at the bottom right to confirm this labeling scheme.

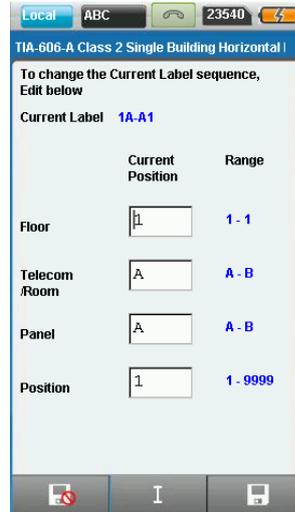
A series of autotests now will generate the file names shown on the screen below.



The screenshot shows a mobile application interface with a status bar at the top displaying 'Local', 'ABC', a signal strength indicator, '23540', and a battery icon. Below the status bar is a 'Data' section with a 'Site Name' field set to 'Unspecified' and a '3 Records' indicator. The main content is a 'List of Test Records' table with columns for 'P/F', 'Limit', 'Label', and 'Time'. The table contains three rows of test records, all with a green checkmark in the 'P/F' column and a 'T' in a circle in the 'Limit' column. The 'Label' column shows '1A-A1', '1A-A2', and '1A-A3'. The 'Time' column shows timestamps: '2012/04/18 14:16:20', '2012/04/18 14:16:51', and '2012/04/18 14:17:14'. At the bottom of the screen is a navigation bar with a back arrow, a page number '1', and forward arrows, and a bottom-most bar with an 'I' icon, a close 'x' icon, and a search 'Q' icon.

P/F	Limit	Label	Time
✓	T	1A-A1	2012/04/18 14:16:20
✓	T	1A-A2	2012/04/18 14:16:51
✓	T	1A-A3	2012/04/18 14:17:14

For this labeling scheme, when autosave is off, the Edit Label Sequence page appears prior to saving the autotest file so you can edit the Floor, Telecom Room, Panel, and Position variables.

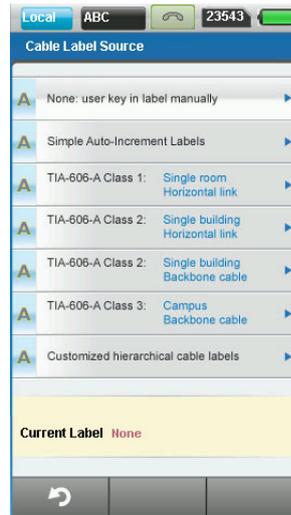


The screenshot shows a mobile application interface for editing label sequences. The status bar at the top displays 'Local', 'ABC', a signal strength indicator, '23540', and a battery icon. The title bar reads 'TIA-606-A Class 2 Single Building Horizontal'. The main content area has the heading 'To change the Current Label sequence, Edit below' and shows the 'Current Label' as '1A-A1'. Below this is a table with columns for 'Current Position' and 'Range'. The table has four rows: 'Floor' with '1' and '1 - 1', 'Telecom Room' with 'A' and 'A - B', 'Panel' with 'A' and 'A - B', and 'Position' with '1' and '1 - 9999'. At the bottom of the screen is a navigation bar with a back arrow, an 'I' icon, and a save icon.

	Current Position	Range
Floor	1	1 - 1
Telecom Room	A	A - B
Panel	A	A - B
Position	1	1 - 9999

Configuring a TIA 606A Class 2 (Single Building Backbone cable) Labeling Scheme

From the Cable Label Source page, select Class 2: Single building Backbone cable.



The Telecom Room 1, Telecom Room 2, Backbone Cable, and Cable tabs will appear at the top of the screen.

The screenshot shows the configuration screen for 'Class 2 Backbone Cable'. At the top, there are status indicators: 'Local', 'ABC', a signal strength icon, '23540', and a battery icon. Below the title bar, there are four tabs: 'Telecom Room 1' (selected), 'Telecom Room 2', 'Backbone Cable', and 'Cable'. An information icon with a question mark is followed by the text: 'Specify the Two Telecom Rooms between which Backbone Cables'. Below this, there are two input fields:

Telecom Room 1 - Floor:

Telecom Room 1 - Name:

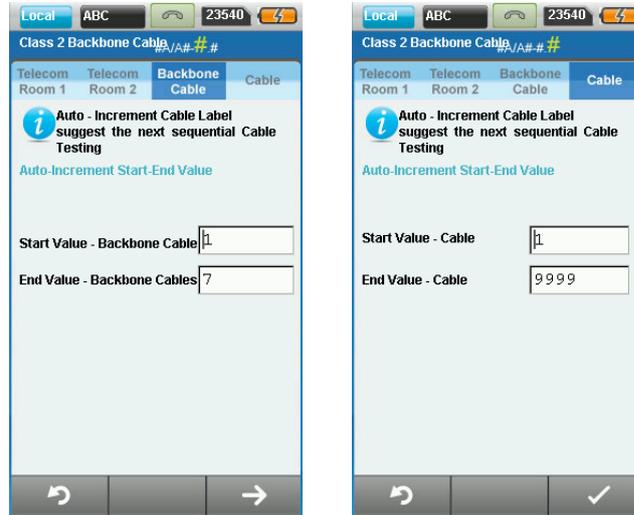
At the bottom are three navigation buttons: a back arrow, a home button, and a forward arrow.

The screenshot shows the configuration screen for 'Class 2 Backbone Cable'. At the top, there are status indicators: 'Local', 'ABC', a signal strength icon, '23540', and a battery icon. Below the title bar, there are four tabs: 'Telecom Room 1', 'Telecom Room 2' (selected), 'Backbone Cable', and 'Cable'. An information icon with a question mark is followed by the text: 'Specify the Two Telecom Rooms between which Backbone Cables'. Below this, there are two input fields:

Telecom Room 2 - Floor:

Telecom Room 2 - Name:

At the bottom are three navigation buttons: a back arrow, a home button, and a forward arrow.



The settings above will set the Current Label to 1A/2B-1.1. Click the check mark (✓) at the bottom right to confirm this labeling scheme.

A series of autotests now will generate the file names shown in the screen below.



For this labeling scheme, when autosave is off, the Edit Label Sequence page appears prior to saving the autotest file so you can edit the Backbone Cable and Cable variables.

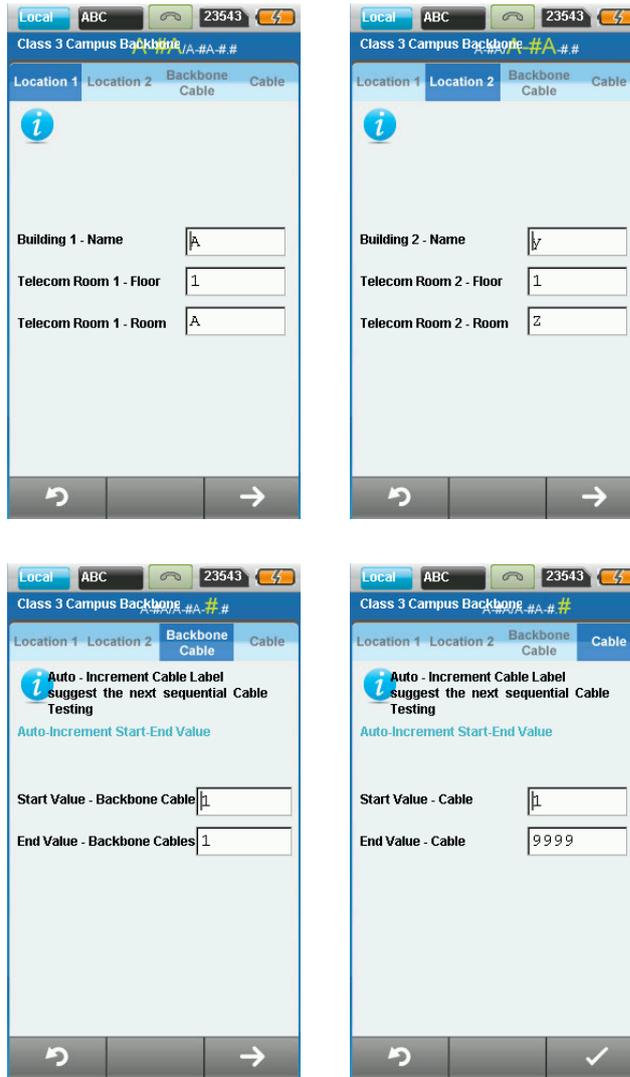
The screenshot shows a mobile application interface for editing label sequences. The title bar reads "TIA-606-A Class 2 Single Building Backbone". Below the title, it says "To change the Current Label sequence, Edit below". The "Current Label" is displayed as "1A/2B-1.1". There are two input fields: "Backbone Cable" with a value of "1" and a range of "1 - 7", and "Cable" with a value of "1" and a range of "1 - 9999". The interface includes a status bar at the top with "Local", "ABC", a signal strength indicator, "23543", and a battery icon. At the bottom, there are three icons: a red 'X' (cancel), a vertical bar (input), and a floppy disk (save).

Configuring a TIA 606A Class 3 (Campus Backbone cable) Labeling Scheme

From the Cable Label Source page, select Class 3: Campus Backbone cable.

The screenshot shows the "Cable Label Source" selection screen. It features a list of options with expandable arrows on the right. The options are: "None: user key in label manually", "Simple Auto-Increment Labels", "TIA-606-A Class 1: Single room Horizontal link", "TIA-606-A Class 2: Single building Horizontal link", "TIA-606-A Class 2: Single building Backbone cable", "TIA-606-A Class 3: Campus Backbone cable", and "Customized hierarchical cable labels". Below the list, the "Current Label" is set to "None". The interface includes a status bar at the top with "Local", "ABC", a signal strength indicator, "23543", and a battery icon. At the bottom, there are three icons: a circular arrow (refresh), a vertical bar (input), and a floppy disk (save).

The Location 1, Location 2, Backbone Cable, and Cable tabs will appear at the top of the screen. Here, you can specify the building name, floor, and room for each location.



The settings above will set the Current Label to A-1A/y-1Z-1.1. Click the check mark (✓) at the bottom right to implement this labeling scheme.

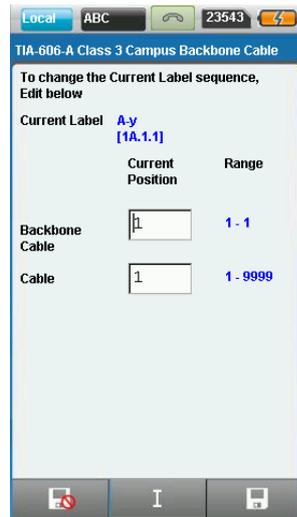
A series of autotests now will generate the file names shown in the screen below.



The screenshot shows a mobile application interface with a status bar at the top displaying 'Local', 'ABC', a signal strength indicator, '23540', and a battery icon. Below the status bar is a 'Data' section with a 'Site Name' field set to 'Unspecified' and a '3 Records' indicator. The main content is a 'List of Test Records' table with columns for 'P/F', 'Limit', 'Label', and 'Time'. The table contains three rows of test records, each with a green checkmark in the 'P/F' column, a 'T' in a circle in the 'Limit' column, and a unique label and timestamp in the 'Label' and 'Time' columns respectively.

P/F	Limit	Label	Time
✓	T	1A/1Z-1.1	2012/04/18 15:20:45
✓	T	1A/1Z-1.2	2012/04/18 15:21:11
✓	T	1A/1Z-1.3	2012/04/18 15:21:56

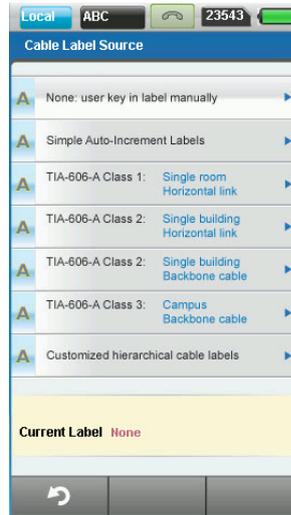
For this labeling scheme, when autosave is off, the Edit Label Sequence page appears prior to saving the autotest file so you can edit only the Backbone Cable and Cable fields.



The screenshot shows a mobile application interface titled 'TIA-606-A Class 3 Campus Backbone Cable'. The main heading is 'To change the Current Label sequence, Edit below'. Below this, the 'Current Label' is shown as 'A-y [1A.1.1]'. There are two input fields: 'Backbone Cable' with a value of '1' and a range of '1 - 1', and 'Cable' with a value of '1' and a range of '1 - 9999'. The bottom of the screen has a navigation bar with icons for back, edit, and save.

Configuring a Customized Hierarchical Cable Labeling Scheme

From the Cable Label Source page, select Customized hierarchical cable labels to specify the largest number of labeling variables.



The Customized Hierarchical Cable Labels page offers several options for customizing labels.

You can specify the label prefix (limited to two characters), which remains fixed for all subsequent labels. Then, for the Building, Floor, Telecom Room, Rack, Panel, Port/Position variables, you can select/unselect the variables you wish to use. The building name can comprise both letters and numbers, but the other variables must have either letters or numbers for each.

Note: In the screen below, 1-9 indicates that you must use numbers rather than letters; however, you are not limited to numbers between 1 and 9.



For illustration purposes, all six variables have been selected. Click the arrow (→) when complete.

The tabs that appear on subsequent screens are determined by the variables selected.

Local ABC 23543

Customized Hierarchical Cable Labels

Building	Floor	Room
Rack	Panel	Port

Name of Building

↩ →

Local ABC 23543

Customized Hierarchical Cable Labels

Building	Floor	Room
Rack	Panel	Port

Auto - Increment Cable Label suggest the next sequential Cable I Testing

Auto-Increment Start-End Value

Start Value - Floor

End Value - Floor

↩ →

Local ABC 23543

Customized Hierarchical Cable Labels

Building	Floor	Room
Rack	Panel	Port

Auto - Increment Cable Label suggest the next sequential Cable I Testing

Auto-Increment Start-End Value

Start Value - Telecom Room

End Value - Telecom Room

↩ →

Local ABC 23543

Customized Hierarchical Cable Labels

Building	Floor	Room
Rack	Panel	Port

Auto - Increment Cable Label suggest the next sequential Cable I Testing

Auto-Increment Start-End Value

Start Value - Rack

End Value - Rack

↩ →

Local ABC 23543

Customized Hierarchical Cable Labels

Building	Floor	Room
Rack	Panel	Port

Auto - Increment Cable Label suggest the next sequential Cable I Testing

Auto-Increment Start-End Value

Start Value - Panel

End Value - Panel

↩ →

Local ABC 23543

Customized Hierarchical Cable Labels

Building	Floor	Room
Rack	Panel	Port

Auto - Increment Cable Label suggest the next sequential Cable I Testing

Auto-Increment Start-End Value

Start Value - Cable

End Value - Cable

↩ →

Input all start/end values and click the arrow (→) when complete.

Separator Settings

The Customized Label – Separator Settings screen lets you choose the separators between the label variables. The symbols shown in the screenshot below indicates the separators you can use.



Click the check mark (✓) at the bottom right to confirm the settings and set them as your labeling scheme.

The settings above will set the Current Label to PR+BL7.A-1.X.Z.A.

A series of autotests now will generate the file names shown in the screen below.

The screenshot shows the 'Data' screen with a table of test records. The table has columns for P/F, Limit, Label, and Time. Three records are shown, all with a checkmark in the P/F column and a 'T' in the Limit column.

P/F	Limit	Label	Time
✓	T	PR+BL7.A-1.X.Z.A	2012/04/18 16:44:12
✓	T	PR+BL7.A-1.X.Z.B	2012/04/18 16:44:41
✓	T	PR+BL7.A-1.X.Z.C	2012/04/18 16:45:19

For this labeling scheme, when autosave is off, the Edit Label Sequence page appears prior to saving the autotest file so you can edit the Floor, Telecom Room, Rack, Panel, and Port/Position variables..

Local ABC 23543

Customized Hierarchical Cable Labels

To change the Current Label sequence,
Edit below

Current Label **PR+BL7.A-1.X.Z.A**

	Current Position	Range
Floor	<input type="text" value="A"/>	A-A
Telecom Room	<input type="text" value="1"/>	1-4
Rack	<input type="text" value="X"/>	X-Z
Panel	<input type="text" value="Z"/>	Z-Z
Port/Position	<input type="text" value="A"/>	A-Z

Icons: Save, Cancel, OK

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