THE CROSBY GROUP
QUIC-CHECK® Plus Electronic Tagging & Identification System
User Manual
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Data Sharing

Overview

What Do I Need To Get Started?

Creating a Share Circle

Joining a Share Circle

Synchronizing Data Using Web Sync

Data Sharing Rights: Explicit vs. Implicit

Data Sharing: Unlocking a "Locked" Product

How Do I...???

How Do I Access Extra Filtering Options?

How Do I Create a Backup of My Data?

How Do I Contact Technical Support?

Appendix

Selected Menu Options

Inspection Standards

Desktop Troubleshooting FAQ

Mobile Device Troubleshooting Tips

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What's New in QUIC-CHECK® Plus 3.0?

Data Sharing

No longer will you have to email databases back and forth to synchronize databases between two locations. Crosby is excited to introduce Share Circles with QUIC-CHECK® Plus Version 3.0. Now data can be exchanged via a Crosby web server. Keeping your data synchronized is now as easy as clicking a button.

*Note: An internet connection is required for this feature, and Crosby recommends a broadband connection.*

Improved Pocket QUIC-CHECK®

We’ve made many improvements to make inspections with the handheld device faster and more convenient. Users can now opt to “scan and write” to the RFID tag and mark it with the appropriate inspection status. You no longer need to scan the tag twice.

Improved Synchronization

Advanced synchronization options make it easier and faster than ever to synchronize multiple PDAs.

Improved Support for Large Databases

Users can now control how much data is placed on the handheld device, and can control how often the handheld’s screen data is refreshed. For users with large databases, the handheld device is now more responsive, allowing inspections to be completed much faster than before.

Bluetooth RFID Pen w/Desktop Application

QUIC-CHECK® Plus now supports a Bluetooth pen to read and write tags without the handheld device. This can greatly streamline the creation and initialization of tags, which can now be programmed straight from the desktop.

Web Reporting

Now data transferred via Data Sharing is available online to members of the Share Circle. Authorized users can generate reports directly from the web without the need for QUIC-CHECK® Plus. The new web reporting engine generates reports very similar in appearance and content to the QUIC-CHECK® desktop application.

*Note: An internet connection is required for this feature, and Crosby recommends a broadband connection.*
Crosby QUIC-CHECK® Plus Inspection & Identification System Overview

**Purpose of the System:** The Crosby QUIC-CHECK® Plus Inspection & Identification System has been designed to provide a more accurate and efficient means of inspecting slings (chain, wire rope, and high performance synthetic), hoist rings, plate clamps, blocks, and 25t and larger shackles. This system also allows you to store and run reports for other items that you inspect on a regular basis. This is accomplished by combining an electronic inspection software program developed by The Crosby Group with RFID (Radio Frequency Identification) technology.

**Benefits of the System:**
- Reduces total inspection process time up to 65%.
- Reduces cost of the overall inspection process.
- Enhances data accuracy – Eliminates errors introduced when handwriting reports and transcribing those handwritten reports into typed reports.
- Printed/formatted reports are available immediately after the inspection is complete and the handheld unit is docked and synchronized with the desktop PC.
- History reports are available for each product tracked.
- Provides the capability of sharing data quickly and easily between any system users via the internet.
- Ability to quickly reference support materials designed to facilitate the inspection process.
- Supports a central database server, allowing multiple users to share the same database.

**System Components:**
- 13.5MHz RFID-enabled tags and products (optional; system can still be used without these tags)
- Handheld device with plug-in RFID transceiver
- Desktop (or laptop) computer
- RFID read/write device (optional)
- Crosby QUIC-CHECK® Plus Inspection Software

**Process Description:**
- Sling or product is entered into the system using the handheld device (or using the desktop or laptop computer with the RFID read/write device).
- Handheld device is docked with the desktop computer and data is synchronized.
- When it’s time to conduct a field inspection, handheld device is used for recording results.
- Handheld device is again synchronized with the desktop computer.
- Required reports are generated by the desktop software and can be emailed to your customer. Alternatively, your customer can be invited to access reports on the web-based reporting website.
**System Requirements**

The following table lists the prerequisite software, minimum hardware, and OS requirements for running the QUIC-CHECK® Plus Electronic Inspection and Tagging System.

**Desktop Application:** To determine if the computer meets the system requirements, from the *Start Menu*, right-click *My Computer*, and then click *Properties*. The General tab displays the CPU type and speed, and the amount of installed memory (RAM).

<table>
<thead>
<tr>
<th>Prerequisite software</th>
<th>Microsoft® .NET Framework 4.0</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Microsoft Internet Explorer® 8.0 or later</td>
</tr>
<tr>
<td></td>
<td>Microsoft ActiveSync® technology (if using Windows XP)</td>
</tr>
<tr>
<td></td>
<td>Windows Mobile Device Center (if using Windows Vista)</td>
</tr>
<tr>
<td></td>
<td>Adobe Acrobat Reader® or similar PDF viewer application</td>
</tr>
</tbody>
</table>

| RAM | Minimum: 1GB  
     | Recommended: 2GB or higher |

| Supported Architectures | x86  
                          | x64 |

| Minimum Hard Disk space | x86 - 600 MB free space  
                          | x64 – 1.5 GB free space |

| Processor | 1 gigahertz (GHz) or faster 32-bit (x86) or 64-bit (x64) processor  
          | Minimum Speed: 1 GHz  
          | Recommended Speed: 2 GHz or higher |

| Supported Operating Systems | Microsoft Windows® XP SP3  
                               | Microsoft Windows Server 2003 SP2  
                               | Microsoft Windows Vista™ SP1 or higher  
                               | Microsoft Windows Server 2008 (not supported on Server Core Role)  
                               | Microsoft Windows Server 2008 R2 (not supported on Server Core Role)  
                               | Microsoft Windows 7  
                               | Microsoft Windows 7 SP1  
                               | Microsoft Windows Server 2008 R2 SP1 |
Mobile Device:  The mobile device is optional but is required for use with reading and writing the RFID tags. The current configuration requires a specific RFID hardware component that is provided by the Crosby Group.

<table>
<thead>
<tr>
<th>Prerequisite software</th>
<th>Microsoft® .NET Compact Framework 3.5</th>
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</thead>
<tbody>
<tr>
<td>Memory (Built-In)</td>
<td>Minimum: 64 MB</td>
</tr>
<tr>
<td></td>
<td>Recommended: 128 MB or higher</td>
</tr>
<tr>
<td>Expansion Slots</td>
<td>Secure Digital slot (required, for RFID transceiver)</td>
</tr>
<tr>
<td></td>
<td>CompactFlash slot (optional, for additional storage card)</td>
</tr>
<tr>
<td>Storage Card (optional)</td>
<td>Type: CompactFlash®</td>
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<tr>
<td></td>
<td>Minimum: 1 GB</td>
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<tr>
<td></td>
<td>Recommended: 2 GB or higher</td>
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<tr>
<td>Operating System</td>
<td>Microsoft Windows Mobile® 5.0</td>
</tr>
<tr>
<td></td>
<td>Microsoft Windows Mobile® 6.0</td>
</tr>
</tbody>
</table>

Database Server: The QUIC-CHECK® Plus System supports a central database server allowing multiple users to share the same database. This is an optional component and may require an experienced IT person with knowledge beyond the scope of this document to complete. The required database is any version of Microsoft SQL Server, version 2005 or newer, Express Edition or Enterprise Installation. To determine if a computer meets the system requirements, from the Start Menu, right-click My Computer, and then click Properties. The General tab displays the CPU type and speed, and the amount of installed memory (RAM).

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<td></td>
<td>Minimum: 1 GHz</td>
</tr>
<tr>
<td>Operating System</td>
<td>Windows Server 2008 R2 SP1</td>
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<tr>
<td></td>
<td>Windows Server 2008 R2</td>
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<td>Windows Server 2003 SP1</td>
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<tr>
<td></td>
<td>Windows Server 2003 Enterprise Edition SP1</td>
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<tr>
<td></td>
<td>Windows Server 2003 Datacenter Edition SP1</td>
</tr>
<tr>
<td></td>
<td>Windows Small Business Server 2003 Standard Edition SP1</td>
</tr>
<tr>
<td></td>
<td>Windows Small Business Server 2003 Premium Edition SP1</td>
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<tr>
<td></td>
<td>Windows XP Professional SP2</td>
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<tr>
<td></td>
<td>Windows XP Home Edition SP2</td>
</tr>
<tr>
<td></td>
<td>Windows XP Tablet Edition SP2</td>
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<tr>
<td></td>
<td>Windows XP Media Edition SP2</td>
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<td></td>
<td>Windows 2000 Professional Edition SP4</td>
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<td></td>
<td>Windows 2000 Server Edition SP4</td>
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<td></td>
<td>Windows 2000 Advanced Edition SP4</td>
</tr>
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<td></td>
<td>Windows 2000 Datacenter Server Edition SP4</td>
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Desktop Software Installation

1) Register at http://qcplus.thecrosbygroup.com/Account/Registration to obtain a serial number.

2) Download the Crosby QUIC-CHECK® Plus installation package from the "Downloads" tab at http://qcplus.thecrosbygroup.com and run the setup file. Enter your unique serial number when prompted.

3) The Installation Wizard will download any required files for QUIC-CHECK® Plus and then walk you through the install steps. You can click Next on all of the dialog boxes to accept the installation defaults, or you can change the installation destination location on your computer, if you choose the "Custom" installation option.

4) The process of downloading and installing prerequisite software libraries may take several minutes. Please be patient while all components are properly installed.

5) Restart your computer if instructed to do so.

6) Double click the Crosby QUIC-CHECK® Plus icon on the computer desktop to launch the application.
Creating a New Database

If you are updating a Version 2.5 database, skip these steps and refer to the directions shown in the next section, Upgrading an Existing Database.

1) If you are using QUIC-CHECK® Plus for the first time, you will be presented with a Welcome dialog. Click the recommended action "Create New Database..."
2) By default, a new database will be created in your *Documents* folder. You can change the name of your database file by modifying the highlighted text, or just click *Next >>* to use the default name.

You can also create a new database by connecting to an instance of Microsoft SQL Server, version 2005 or newer, Express Edition or Enterprise Installation. While you must know the name of the Server \ Instance for SQL Server, you may specify the name of the database.
3) After the database is initialized, the **Distributor or Data Owner** dialog will be displayed. Enter your company information and click *Next* to continue. (If you are an End User working with an Authorized Crosby Distributor, just enter your company details here, and you will be considered the "Data Owner" for product records that you create. Note that the name used here will need to be slightly different from the name used for your company as an End User.)

*Note: Distributor details can be edited later by clicking on the "plus" sign next to the "Distributor" filter:*
4) After the End User dialog displays, click Add End User.

Enter the information for an End User and either click Next to save and continue, or you may add additional End Users by clicking Add End User again.

If you are an End User working with an Authorized Crosby Distributor, just enter your company details here (perhaps leaving off the "Inc.", etc., to differentiate the End User name from the Data Owner name.)

**Note:** The name you use as an End User cannot be the same name that was used for the Data Owner. QUIC-CHECK® Plus requires that these two names be different, even if they are the same entity.

When you are finished, click Next >> to continue.

**Note:** End users can be added later, or edited, by clicking on the "plus" sign next to the "End User" filter:
5) Next, the **Inspector** dialog displays. Click **Add Inspector** and enter the Inspector’s name and indicate the company with whom the Inspector is associated using the dropdown menu.

Either click **Next** to save and continue, or you may add additional Inspectors by clicking **Add Inspector** again. When you are finished, click **Next >>** to continue.

   *Note: Inspectors can be added later, or edited, by clicking on the "plus" sign next to the "Inspector" filter:*

6) The Crosby QUIC-CHECK® Plus desktop software is now installed on your computer. See the **Hardware Setup Instructions** section to install the Pocket QUIC-CHECK® software on the Mobile Device.
Upgrading an Existing Database

If you have been using a previous version of QUIC-CHECK® Plus, a dialog will appear alerting you that the database must be upgraded.

If you are using a local database file, click "Ok", and the application will make a backup copy of the previous version of the database and upgrade the existing database to 3.0.

You will have an opportunity to cancel the upgrade even after the backup is complete, and will be alerted if the upgrade process to version 3.0 was successful.

If you are using a network database, the program on the desktop computer cannot initiate a backup of the server database, so you will receive a recommendation to backup the SQL Server database before proceeding. Of course, you can still upgrade without creating a backup, but we strongly recommend taking every measure to preserve your data.

Upon clicking "OK", the upgrade process will begin and you will be alerted if the upgrade process to version 3.0 was successful.
Automatic Updates

QUIC-CHECK® Plus can automatically check for, download, and install application updates if your computer has an Internet connection. Automatic updates ensure that your QUIC-CHECK® Plus software stays up-to-date with the latest features and bug fixes.

When QUIC-CHECK® Plus finds an update, it will notify you with the Software Update window:

From here, you have three options:

1. Download and install the update immediately by clicking **Download and Install**. You will not be able to work with QUIC-CHECK® Plus until the download has completed and the update has installed itself:
You will be kept informed of the update’s download progress. Once complete, QUIC-CHECK® Plus will automatically close and the update installation will begin.

2. Update at a later time by clicking Remind Me Later. The Software Update window will close and QUIC-CHECK® Plus will remind you about the update the next time you launch the application:

3. Download an “offline” installer that you can save to your computer and use to update QUIC-CHECK® Plus at any time. You can also use the offline installer to update other QUIC-CHECK® Plus computers that do not have Internet connections.
   a. To get the offline installer, click the Advanced arrow:
   b. Click the Download the offline installer link to go to the QUIC-CHECK® Plus website where you can download the file:
Turning off Automatic Updates

You may work in an environment where automatic updates are not desirable:

- Some or all QUIC-CHECK® Plus users do not have administrative privileges on their computers.
- Some or all of the QUIC-CHECK® Plus computers have limited or no Internet access.
- Software installation and updating is done only by your Information Technology department.
- You have many computers running QUIC-CHECK® Plus and would rather update them with the offline installer (one download instead of many).

Whatever your reason, the QUIC-CHECK® Plus automatic update feature can be turned off:

1. Launch QUIC-CHECK® Plus.

2. Click the QUIC-CHECK® Plus Button (the circular application button), and then click QUIC-CHECK® Plus Options:
3. In the option list on the left side of the window, select **Automatic Updates**.

4. On the Automatic Updates screen, clear the **Automatically check for updates** checkbox.

5. Click **OK** to save your changes.

**Updating QUIC-CHECK® Plus Without Internet Access**

If your QUIC-CHECK® Plus computers do not have Internet access, you can request an update USB drive from your Crosby representative.
Hardware Setup Instructions

Do not connect the Mobile Device to your computer until you have finished installing the Windows Mobile Device Center software (or ActiveSync) on your computer.

1. Charge the Mobile Device with the supplied charging/USB cable. It can take up to 4 hours to fully charge the battery.

2. Do NOT insert the SocketMobile CD-ROM into your PC. All of the required software to use the Mobile Device with QUIC-CHECK® Plus is contained in the Crosby installation file. The CD is not needed.

3. Power the Mobile Device on. The power button is located in the upper right corner of the unit (as viewed from the front).

4. Set up the device. When the Windows Mobile screen displays, follow the on-screen instructions until setup is complete.
   It is very important that the Mobile Device be set up with the correct date and time. If the date and time are not correct, new records created on the Mobile Device may not be merged into the main database during data synchronization.

5. Insert the RFID transceiver into the SD Card Slot located on top of the Mobile Device. Dismiss any error message that may appear on the device; no additional driver software is required for the transceiver.

6. Set the mobile device and USB cable aside until you have completed the installation of the desktop software. Note that you will need Administrator privileges to install Pocket QUIC-CHECK® onto the mobile device.

The desktop software must be installed in order to install Pocket QUIC-CHECK® onto the Mobile Device. Additionally, you must have Administrator privileges on the desktop, and the Mobile Device must be fully charged.
Mobile Device Software & Hardware Installation

The desktop software must be installed in order to install Pocket QUIC-CHECK® onto the Mobile Device. Additionally, you must have Administrator privileges on the desktop, and the Mobile Device must be fully charged.

Normally, the Mobile Device will be shipped with the Pocket QUIC-CHECK® software already installed. However, if you must perform a "clean" reset to your Mobile Device (see Appendix: Mobile Device Troubleshooting Tips), follow the instructions below to reload your Mobile Device with all of the required software components.

1) Launch the Crosby QUIC-CHECK® Plus application software by double-clicking the icon on your computer's desktop. You will see the Home tab:

![Home tab](image)

2) Ensure your Mobile Device is connected to your computer via the supplied USB cable, and that Mobile Device Center (on Windows Vista, or Windows 7) or ActiveSync (on Windows XP) is running. If your Mobile Device was not connected before, allow Mobile Device Center / ActiveSync to complete its synchronization before continuing below.

3) Click the Mobile tab.

![Mobile tab](image)
4) Once the Mobile tab is displayed, click **Install on Device**:

![Mobile tab image]

5) Mobile Device Center (or Microsoft ActiveSync) will ask for confirmation to install Pocket QUIC-CHECK®. Click **Yes** to proceed.

![Installation confirmation dialog]

6) You will see a progress bar as it copies the version 3.5 .NET Compact Framework installation package to your Mobile Device.

![Progress bar image]

7) Look at your Mobile Device. Do not click **OK** on the following dialog yet:
8) On the Mobile Device, tap Install with the stylus to begin the installation of the .NET Compact Framework. (Do not change the default location. Leave it as Device.)
A progress bar will display:

9) Tap the **OK** button in upper right to complete the installation, and then return to the Desktop application,

10) Now you may click the **OK** button.

11) Immediately, a new progress bar will display as the Pocket QUIC-CHECK® installation program is copied to the Mobile Device.
12) Look at your Mobile Device. Again, do not click OK on the following dialog yet:

![Application Downloading Complete dialog]

13) On the Mobile Device, tap Install with the stylus to begin the installation Pocket QUIC-CHECK®. (Do not change the default location. Leave it as Device.)

![Choose location dialog]
A progress bar will display:

14) Tap the OK button in upper right to complete the installation, and then return to the Desktop application,

Crosby Pocket QUIC-CHECK® is now installed on your Mobile Device.

15) Back on the Desktop application, you may now click the OK button.
Crosby QUIC-CHECK® Plus will now synchronize your data with Pocket QUIC-CHECK® by copying your database to the Mobile Device.

16) After the synchronization is complete, insert the RFID transceiver into the Mobile Device’s Secure Digital (SD) slot. This is located at the top of the device.

You will need to pull back a protective flap to access the SD slot. Consult the mobile device’s instruction manual for more information.
Building a New Product with QUIC-CHECK® Plus

Two primary functions can be accomplished via the main screen (Home Tab) of QUIC-CHECK® Plus.

Creating a New Product

Click on the New Product button:

The New Product screen will be displayed. The default product type is a Chain Sling, which can be changed by selecting a different option for Product Category and Product Type.

There are two sections: General and Details:
Shown above is the General section that displays the same fields no matter what the Product Type may be. Fields with an asterisk (and highlighted) in the image above are fields that do not have a default, and that will require a value in order to create a new product. Some notes about this screen:

1. **Manufacturer**: This field will default to the data owner’s information entered in the Setup section. This value can be changed to reflect products built by someone else, or for products being built for another distributor.

2. **Serial Number**: Product serial numbers must be unique for the same End User. Only a few non-alphanumeric characters are permissible in the serial number ("-", "/", or ".").

3. **Active**: (Read only) – This field indicates whether the product has been set as active or inactive. Notes:
   - Only active products may be inspected.
   - Reports will only reflect active products (History report will include inactive products).
   - By default, the main filter grid will only display active products (unless the “Active Status” filter is changed).

4. **In Service Date**: This field defaults to the current date.

5. **RFID No.**: This field displays the RFID tag number associated with the product. If an RFID read/write device is available, a QUIC-CHECK® Tag can be initialized for the new product.

6. **Asset Number**: Typically, this field holds a unique number, similar to a serial number, that is assigned by the on-site inventory system. If a URL is entered in this field, however, the label will become a clickable hyperlink displayed as Web Link. You can use this feature to link to an online document that is specific to the product (a product image, a scanned document, a certificate of conformance, etc.)

7. **Initial Location**: This field will provide a list of locations particular to the selected End User, and will fill in the location of this product’s “Creation” record in its Product History.
The details of a Chain Sling are displayed above. Fields with an asterisk (and highlighted) in the image above are fields that do not have a default, and that will require a value in order to create a new Chain Sling. (See section 3.1 of the Appendix entitled **Selected Menu Options** to see the options available within the Chain Sling drop-down menus.) Some notes about the Chain Sling **Detail** fields:

1. **Size**: Use the drop down menu to select the chain’s nominal dimension size.
2. **Adjustable?**: Options include no adjuster leg(s), short adjuster legs, long adjuster legs, or an Eliminator as an adjuster.
3. **Basic Type**: Indicates the hardware (if any) built into the chain sling.
4. **Standard Type**: If checked, this field will populate with an abbreviation based on the **Basic Type**. If unchecked, a user-defined sling type can be entered.

The items displayed in the **Details** section will change, based on the Product Type selected. A Shackle, for instance, has an appropriately different set of properties:
4) Click OK to save the new product.

Notes:
1. From this screen, you can click **Save and Inspect** (*Circled as “1”*) to immediately enter inspection information for the newly created product.

2. You can also click **Create Another** (*Circled as “2”*) to continue adding additional products that are identical to this one (different only in **Serial Number**) without returning to the main screen.

Click **Cancel** when you are finished creating new products.
Adding and Customizing Product Types

What is a Product Type?
A Product Type is a template for creating actual Products within the QUIC-CHECK® Plus application. Each Product Type belongs to a Product Category that consists of other similar Product Types. For example, in the Category of Slings, QUIC-CHECK® Plus is pre-loaded with three Product Types: Chain Sling, Round Sling, and Wire Rope Sling:

<table>
<thead>
<tr>
<th>Product Category</th>
<th>Slings</th>
</tr>
</thead>
<tbody>
<tr>
<td>Product Type</td>
<td>Chain Sling</td>
</tr>
<tr>
<td></td>
<td>Round Sling</td>
</tr>
<tr>
<td></td>
<td>Wire Rope Sling</td>
</tr>
</tbody>
</table>

The “Chain Sling” Product Type defines the specific data entry fields you see when building a Chain Sling product: Size, Adjustable, Number of Legs, etc. These fields are referred to as “Properties.” A Product Type also defines the specific Defects that can be noted during Inspections: Cracks/Breaks, Worn/Nicked/Gouged, Stretched Links/Hooks, etc.

The Crosby QUIC-CHECK® Plus System provides the capability to both create your own Product Types and Product Categories from scratch, and customize the predefined Product Types that are included with the application. For instance, you could create a custom Product Type for “Adjustable Spreader Bars” to enable you to track, inspect and report this type of Product within QUIC-CHECK® Plus. You could also simply add a few extra Properties to a “Chain Sling” to help store additional information about your Products that is important to you.

It is worth noting that there are certain Properties which are common to all product types and cannot be edited. These include fields such as Serial Number, Active, In-Service Date, RFID Number, etc. When speaking of Product Types, and creating or customizing them, these “common” Properties will not be discussed.

Launching the “Customize Product Types” window
To open the Customize Product Types window, click on the "plus sign" icon to the left of the "Product Type" filter on the Home tab:
The “Customize Product Types” window
The “Customize Product Types” window provides the tools with which you can create and customize Product Types. Notice it is divided into two main sections:

1) **Product Type List (left):** Displays a list of both predefined and custom Product Types (represented as “pages”), organized into Categories (represented as "folders"). If you have used Microsoft Windows before, this style of list should look familiar. To show the contents of a folder, click the small “+” icon to the left of the folder name. To close the folder, click the “-“ icon. To select a Product Type, click on the Type’s name.

![Customize Product Types Window](image)

2) **“Edit Product Type” Area (right):** When you have made a selection in the Product Type list, the Type’s information is displayed in the “Edit Product Type” area. It allows you to edit and save the information. This is also where you enter information about new Product Types.
Adding Custom Product Types and Categories

1) Locate and click the small “plus sign” icon next to the Product Type filter (on the Home Tab). The Customize Product Types window opens.

2) Click the Add New Product Type button, located just below the Product Type List on the left.
3) The "Edit Product Type" area enables, allowing you to enter information about your Product Type. A Product Type is defined by the following fields:

a) **Name:** The name of the Product Type. In this example, we'll use “Adjustable Spreader Bar.” We suggest using the singular form when naming a Product Type, not plural (i.e. don't call it "Adjustable Spreader Bars").

![Edit Product Type](image1)

b) **Category:** You can select an existing Category (including predefined Categories) by typing the first few letters in the Category field, or clicking the "down" arrow and selecting it from the list. If you want to create a new Category, just type it into the field. In this example, we'll use “Spreader Bars.” Crosby suggests using the plural form when creating a Category (i.e. do not call it "Spreader Bar").

![Edit Product Type](image2)

c) **Details and Inspection Criteria:** These tabs switch between the Details and Inspection Criteria lists for your Product Type. “Details” will be displayed when creating or editing Products of this Type, and will appear as empty boxes for you to fill in on both the desktop and mobile application.

![Details and Inspection Criteria](image3)
Inspection Criteria will be displayed during Inspections for Products of this Type, and will appear as checkboxes on both the desktop and mobile application.

**d) Note:** Try to keep the Detail and Inspection Criteria names short since the mobile device screen and Reports have limited widths.

To add a Detail or Inspection Criteria, just start typing in the blank row on the corresponding tab (the row will have an asterisk “*” displayed to the left of it). As you type, a new blank row will appear just below for adding more Details or Inspection Criteria.

To change the order of Details or Inspection Criteria, click on the row of the Detail or Inspection Criteria you wish to move, then click the “Up” or “Down” arrow buttons to the right of the list.

To remove a Detail or Inspection Criteria, simply click on the row of the Detail or Inspection Criteria you want to remove and click the “X” button to the right of the list.
4) When you have defined your Product Type to your satisfaction, click the “Save” button to save your new Type.

Your new Type will display in the Product Type List, organized under the Category you assigned it to.

Note that custom Product Types and Categories are displayed in a different color in the Product Type List. This is to make it easy to tell your own customizations apart from the predefined items.
5) If there are no further Product Types you wish to add, close the window by clicking the “Done” button in the lower right corner of the window.

You can now add new Products of the Product Type you just created (for more information on adding Products, see the section titled *Building a New Product with Crosby QUIC-CHECK® Plus Software*).

Note: If you place a URL in a custom Details field, its label becomes a clickable hyperlink to the web address specified in the field.
Editing and Deleting Custom Product Types

1) Locate and click the small “plus sign” icon next to the Product Type filter (on the Home Tab). The Customize Product Types window opens.

2) Click on the “+” icon next to a Category name to show the custom types within a Category. Locate and click the name of the Product Type you wish to edit. The “Edit Product Type” area will display information about the Product Type you select.
3) Take one of the following actions:
   a) If you wish to edit the Product Type, make your desired changes to the Product Type. You can edit the Name, change the Category, and add, remove or re-order Properties and Defects.
   b) If you wish to delete the Product Type, click the “Delete” button.

   ![Image of delete button]

   **Note:** You can only delete a Product Type if no Products of that Type exist. If Products of that Type do exist, a message will display asking you to first delete any Products of that Type. Once no Products exist for the custom Type, it can be deleted. The application will ask you for a final confirmation before the actual deletion occurs.

   If you do not wish to edit or delete the selected Product Type, click the “Cancel” button. The Type’s information will no longer display in the “Edit Product Type” area. Any changes you may have made to the information will be discarded.

   ![Image of cancel button]

4) When you have completed your changes and wish to save them, click the “Save” button. The information will be saved and the Category of the Product Type will become selected in the Product Type list.

   ![Image of save button]

5) If there are no further Product Types you wish to edit, close the window by clicking the “Done” button in the lower right corner of the window.
Any changes you made will be reflected in existing Products. If you added new Properties, you will need to edit each affected Product to provide values for these fields.

**Note:** If you see a picture of a “padlock” to the right of the Name and Category fields, you have selected a predefined Product Type. Certain restrictions are placed on these Product Types. For more information, see the next section, *Customizing Predefined Product Types*. 
Customizing Predefined Product Types

Predefined Product Types (for example, “Chain Slings,” “Hoist Rings,” etc.) are those included with the QUIC-CHECK® Plus application. While they can be customized to a degree, there are certain restrictions:

- Predefined Types can neither be renamed nor assigned to a different Category.
- Predefined Types cannot have their existing Details or Inspection Criteria modified in any way.

Despite these restrictions, predefined Product Types can be expanded to include additional Details and Inspection Criteria beyond those that have been preconfigured.

1) Locate and click the small “plus sign” icon next to the Product Type filter (on the Home Tab). The Customize Product Types window opens.

2) Using the Product Type list on the left, locate and click the name of the predefined Product Type you wish to customize.

Predefined types are represented by “pages” that appear gray in color with a small “lock” superimposed on them.

The "Edit Product Type" area will display information about the Product Type you selected.
3) For a Predefined Product Type that has not yet been modified, the Details and Inspection Criteria will be blank. (This area is for assigning custom Details and Inspection Criteria, and does not display the hard-coded QUIC-CHECK® Plus information for the specific type.)

If any custom Details or Inspection Criteria have already been added to this Product Type, they will display in the list on their respective tabs. These custom Details or Inspection Criteria may be renamed, removed, or re-ordered in the same manner as Details or Inspection Criteria for custom Product Types.

Add new Details or Inspection Criteria on the appropriate tab.
4) When you have completed your changes, click the “Save” button. The information will be saved and the Category of the Product Type will become selected in the Product Type list.

Alternatively, if you do not wish to save your changes, click the “Cancel” button; your changes will be discarded and no updates will be made.

5) If there are no further Product Types you wish to edit, close the window by clicking the **Done** button in the lower right corner of the window.

Any changes you made will be reflected in existing Products. If you added new Properties, you will need to edit each affected Product to provide values for these fields.
Searching for & Editing a Product with Crosby QUIC-CHECK® Plus Software

There are multiple ways to find previously built products in Crosby QUIC-CHECK® Plus.

**Sorting the Grid**

To sort the columns of the product grid, click on any of the column headers to sort by that particular column.

Clicking on the column header a second time will reverse the sort order. Scroll through the list until you find the product you want to edit.

**Filtering the Grid**

If you have a large number of products, it can be more efficient to filter the product list instead of scrolling through the list.

There are 3 groups of filter options: Contacts, Products and Inspections.

As values are selected within these three groups, the list of products will be updated with only those products that match the specified criteria. If Auto Refresh is "ON" (in the Status Bar, lower left), this will happen after each filter is changed.
If Auto Refresh is "OFF" you'll be notified when a grid update is pending, and prompted to update the grid.

To toggle Auto Refresh "OFF" or "ON", just click on the word "Auto Refresh" in the status bar.

Note: It is useful to turn Auto Refresh "OFF" when you have a large number of items in your database, as it avoids unnecessary refreshes when using multiple filters.

In the image below, two filters have been selected:

- **End User** – Professional Rental
- **Product Type** – Chain Sling

With Auto Refresh set to "ON", the product list has automatically updated to display only *Chain Slings* for the End User *Professional Rental*.

**Using the Optional RFID Read/Write Device**

Alternatively, if your system is equipped with an RFID read/write device, you can use the RFID search capability to locate a product.

Clicking the "Scan..." button will essentially set the **Serial Number** filter to the Serial Number that corresponds to the RFID tag of the item that was scanned.

See the section entitled *Reading and Writing Tags with the RFID Pen* for further details.
Once you have located the desired product, double click any row cell to launch the Edit Product form for the selected product.

After the desired changes have been made, click the OK button to save.

Note: If required product details are not completed, a warning icon will be displayed next to the required field.
Notes:

1. To delete a product from your database, you can click the *Delete* button in the lower right quadrant of the *Edit Product* form.

![Delete button](image)

2. Clicking the *Cancel* button will cancel editing the product and return its details to their initial values.

![Cancel button](image)

When a product has been edited, the results grid must refresh its data to appropriately reflect any changes. After the refresh, the results grid will attempt to scroll back the edited product (or its approximate location if deleted, or made "Inactive", etc.). This behavior occurs by default with the results grid, however, clicking the *Clear All Filters* button will bypass this behavior, and ignore the line that was last selected before the refresh. After the *Clear All Filters* button is pressed, the first line of the results grid will be selected.
Reading and Writing Tags With the RFID Pen

The QUIC-CHECK® Plus desktop application supports the reading and writing of QUIC-CHECK® tags when used with the optional RFID read/write device (hereafter referred to as the RFID pen).

Note: The RFID read/write device currently supported by the QUIC-CHECK® Plus desktop application has been enhanced to clearly read RFID chips embedded in metal, as is common with lifting equipment. A copy of the user’s guide for the device, plus additional support documents for installing the USB driver and for pairing the RFID pen as a Bluetooth device, can be found in the QUIC-CHECK® Plus installation folder in the subfolder entitled “RFID Pen” (typically C:\Program Files (x86)\Crosby\QuicCheck\RFID Pen for a 64-bit machine).

The RFID pen can be connected to the computer on which the application is running by USB cable or Bluetooth connection. Note that you must specifically tell QUIC-CHECK® Plus that an RFID Pen is connected to the computer, otherwise it will not check for the device (see instructions below).

Connecting to the RFID Pen via USB

To establish a USB connection between the RFID pen and the computer, plug the RFID pen into the supplied USB cable and then into the computer.

*Note: The mini-USB port for the RFID pen is in the rear of the device.*

Windows will search for a driver to try to make the device work. If your machine is unable to find the driver (which is typical), you will need to specify the driver located in the Crosby QUIC-CHECK® Plus installation directory (typically C:\Program Files (x86)\Crosby\QuicCheck for a 64-bit machine).

*Note: The driver file for the IDBLUE.HF device is named idbluehf.inf.*
Connecting to the RFID Pen via Bluetooth

To establish a Bluetooth connection between the RFID pen and the computer, a Bluetooth transceiver must be present in the computer, either as an internal component or as an external USB attachment. When the transceiver is active, a Bluetooth icon will be visible in the system tray.

Before the RFID pen can be used with QUIC-CHECK® Plus for the first time, it must be added to the computer's list of Bluetooth devices. To accomplish this, power on the RFID pen and put it in "discoverable" mode.

Note: To put the RFID pen into discoverable mode, press and release the small black Power Button once to power on the device. After you hear a "beep" the Device Status LED will blink according to the "charge" level of the device, which will be green when the device is fully charged and ready for use.

To enter "discoverable" mode, hold down the Power Button for 1 second and then release it. If you hear a "beep" then you may have held down too long and powered off the device. If you have successfully put the device into "discoverable" mode, the Device Status LED will flash blue, rapidly.

Once the RFID pen is in "discoverable" mode, right-click the Bluetooth icon and select Add a Device. Windows will begin searching for available devices.
When the device is found, respond to the prompt and confirm that it is indeed the device to be added by selecting the RFID pen device and clicking **Next**. Windows will now proceed to configure it.

When prompted to select a pairing option, choose **Pair without using code** and click **Next**.

---

**Note:** You will be prompted to enter a pairing code when the RFID pen connects to QUIC-CHECK® Plus, but when initially setting up the device, follow the instruction above.
Enabling QUIC-CHECK® Plus to Use the RFID Pen

Once the RFID pen has been successfully added to the computer, it is ready to be used with QUIC-CHECK® Plus.

1. Click the QUIC-CHECK® Plus button (the circular application button), and then click the QUIC-CHECK® Plus Options button:

2. Scroll to the RFID Reader - Enable Bluetooth / USB Device option, click Yes, then OK.
3. You will be prompted to restart QUIC-CHECK® Plus.

![Enable / Disable RFID Reader]

You must restart QUIC-CHECK® Plus in order for the new setting to take effect.

![OK button]

4. When the desktop application restarts, QUIC-CHECK® Plus will search for the RFID pen. The status bar in the lower right will indicate this attempt:

![Status bar showing RFID Reader: Connecting]

5. You will likely be prompted for a pairing code at this point by Windows. Should this occur, enter "0000" to pair the RFID pen with your machine.

![Add a device]

Enter the pairing code for the device

This will verify that you are connecting to the correct device.

![Pairing code 0000]

The code is either displayed on your device or in the information that came with the device.

![Next and Cancel buttons]

6. If the device is successfully paired to your machine and recognized by QUIC-CHECK® Plus, the following will all be true:
   a. You will hear a "beep" from the RFID pen.
b. The Device Status Indicator on the RFID pen will flash green and blue. (Conversely, green and magenta means that the device is charged, but is not paired.)

c. Windows will display a success dialog:

![Success dialog](image)

Windows is now checking for drivers and will install them if necessary. You may need to wait for this to finish before your device is ready to use.

To verify if this device finished installing properly, look for it in Devices and Printers.

Warning
To help protect your computer from someone accessing it without your permission, only make your computer discoverable when you want a Bluetooth device to find your computer. Disable discovery when you no longer need it.

d. And finally, QUIC-CHECK® Plus will display that the device is connected by showing a green icon and a status of “Connected” in its status bar, in the lower right of the application.

![Connected status](image)
Note: If the RFID pen becomes disconnected, or if the section of the “RFID Reader” status bar is clicked, you will hear a “beep,” the status will change to “Disconnected,” the button will turn from green to gray, and the RFID pen’s Device Status Indicator will flash magenta (unpaired) and green (fully charged). Clicking the “RFID Reader” section of the status bar again will prompt QUIC-CHECK® Plus to attempt to reconnect to the RFID pen.

The RFID pen can be used to assign a QUIC-CHECK® tag to a new product, or to read the tag of an existing product and locate it in the QUIC-CHECK® Plus database.

**Assigning a QUIC-CHECK® Tag to a New Product**

To create a new product tag when adding a product to the database, follow these steps:

1. With the New Product window open and the RFID pen powered on and connected, click the “pencil” icon to the right of the RFID No. field in the upper right corner of the window.

2. Hold the tip of the RFID pen to the QUIC-CHECK® tag. The Update QUIC-CHECK Tag dialog will display, indicating that the device is searching for the tag.
3. When the RFID tag is successfully detected, the RFID pen will emit a "beep" and QUIC-CHECK® Plus will quickly read the tag to determine if it can be initialized without conflict, or if it already contains information that is valid for another product in the current database.

4. If the tag is new, the RFID pen will emit a "beep" and proceed to write the product information to the tag. A message window informing you of the successful write operation will display and then close on its own.

5. The RFID number from the tag will then be inserted into the RFID No. field of the New Product dialog.

6. If there is a conflict — the tag you are attempting to write to is already assigned to another product in the current database — you will be presented with a warning and asked how to proceed.
7. The write will only continue in this case if you click the "Reassign tag" button.
8. Alternatively, if the tag contains data and references a product not in the current database, then the Initialize Tag dialog will display.

9. Click "Re-initialize tag" to write information to it, overwriting the tag’s existing data.

Assigning a QUIC-CHECK® Tag to an Existing Product

Assigning an RFID tag to an existing product is a similar process as described above. Simply begin by launching the Edit Product form for the desired product by double-clicking the appropriate row in the product grid on the Home tab. Locate the “pencil” icon in the upper right quadrant of the Edit Product form, and proceed with the steps outlined above.
Reading Product Tags

To use the RFID pen device to read the tag of an existing product and locate it in the QUIC-CHECK® Plus database, do the following:

1. With the RFID pen powered on and connected to the computer, click the Scan button located directly below the New Product button in the upper left corner of the Home tab.

2. You will immediately hear a “beep,” letting you know that the RFID pen is trying to read a tag, and the Read QUIC-CHECK Tag dialog will be displayed.

3. Hold the tip of the RFID pen to the tag. If the tag can be read, the device will emit a "beep," and the tag number will be displayed in the Read QUIC-CHECK Tag dialog.

4. The Read QUIC-CHECK Tag dialog will then close, the RFID pen will emit a third and final "beep," and the product grid will be filtered to display only the scanned product. Notice that
the product tag number now appears in the **RFID Number** field of the **Products** filter panel (top center of the **Home** tab).

5. When an unassigned RFID tag is scanned, or the item cannot be found in the current database, the **Read QUIC-CHECK Tag** dialog will display with a message that includes the information found on the tag.

To once again display all products, click the **Clear All Filters** button, located directly below the **Scan** button.
Entering Product Inspection Results with QUIC-CHECK® Plus

In the main grid, there are two columns which help to identify products that require inspection:

- **Alert** – This column may contain one of two icons. A red highlighted line with a red exclamation mark (!) indicates a product whose inspection is overdue, while a yellow highlighted line with a yellow exclamation mark (!) indicates a product whose inspection is due within 30 days (or, alternatively, the number of days specified in the *QUIC-CHECK® Plus Options*).

- **Projected Inspection Date** – This column contains the next projected inspection date. This is calculated using the product inspection frequency and the last inspection date.

The right-hand pane of the main display contains the **Product History** window. This window contains information regarding previous inspections, and it is from here that you can initiate new inspections, and edit or delete inspections.
To create a new inspection record, do the following:

1. Highlight the product to be inspected in the main grid, and then click the **New Inspection...** button in the **Product History** window.

![New Inspection button](image)

The available fields on the **Inspection** form and their defaults are described below:

A. **Inspection Date** = Defaults to the current date
B. **Condition** = Defaults to OK if no defects are noted, otherwise, defaults to Repair
C. **Location** = Defaults to the last **Location** entered for this product

D. **Comments** = Defaults to the last **Comment** entered for this product

E. **Inspectors** = Defaults to the last **Inspectors** associated with the current end user

F. **Defects** = By default, no defects are selected when performing a new inspection, however, this screen will alert the user if defects were noted in the most recent inspection.

   *(Note: only the defects noted in the very last inspection will be indicated.)* A caution icon ⚠️ will be displayed next to the orange highlighted descriptive text of any noted defects.

2. Enter the date the inspection was conducted. If it is not today’s date, click the arrow to the right of this field to bring up the calendar, and select the desired date.

3. Enter the location of the product. This field will default to the last location entered, but a new one can be typed here if required.

   *Note: For consistency, it is recommended that you attempt to select the current location from the drop-down list first, before typing in a new location value.*

4. Select the inspectors using the checkboxes available in the **Inspected By** group.

   If inspectors have been previously entered for this end user, they will be available as checkboxes. To add a new inspector at inspection time, press the **Add Inspector** button.

5. **Inspectors**

6. Note any defects by checking off the appropriate checkboxes.

   The list of available defects will change, depending upon the product type. The image to the right shows the defects for a chain sling, per ASME B30.9:

   ![Defects (per ASME B30.9)]

   **Notes:**

   1. If no defects are checked, the **Condition** field will default to **OK** (this cannot be changed unless a defect is noted).

   2. If a defect is checked, the **Condition** field will change to **Repair**. If defects are checked, **Repair** or **Replace** will be the only available options for **Condition**.
7. Comments can be entered for the product as necessary, with a maximum of 255 characters. Comments previously entered can be quickly re-used by selecting them from the drop down box available in the Comments field.

8. Click OK to complete the inspection.

9. The main screen will be displayed once again. The most recent inspection information will now be displayed in the Product History window.

Previous inspections can be edited or deleted using the Edit and Delete buttons in the Inspection Information window. (Note: Only records marked with a State of "Inspected" or "Repaired" can be edited or deleted. For instance, a record with a State of "Created" is not editable. For more about "Repaired" records, see the next section.)
Repairing a Product Using QUIC-CHECK® Plus

Marking an item "Repaired" has a special meaning in QUIC-CHECK® Plus. When you repair a product, you can create a "Repaired" record, thereby distinguishing it from just a normal "Inspected" record that would otherwise occur the next time the product is inspected.

1. To mark an item as repaired, select the product from the main grid on the Home tab.

2. The Product History window will display all of the previous inspection records, with the most recent inspection appearing at the top of the list. For a repaired product, the last inspection will have an Inspection Status of "Repair".
3. To repair the product, click **Begin New Inspection**

![Image of New Inspection button highlighted]

4. The **Inspection** dialog will be displayed with the following features:
   
   A. The **Repaired** checkbox is now available.
   
   B. The defects found in the prior inspection will have an exclamation 🔄 icon next to them, indicating the repairs to be verified prior to placing the product back in service.
5. To complete the repair, check the **Repaired** box, delete the comments in the **Comments** field (or add your own) and click **OK** to close the **Inspection** window.

The **Product History** window will now contain a new entry for the repair. The **Inspection Status** will display as “**OK**” and the **State** will display as “**Repaired**”.
Printing Reports Using QUIC-CHECK® Plus

The Reporting tab provides access to several pre-generated reports, and allows you to filter the products that will display on the report by product type, end user, location, date range, or even serial number (in the case of the History report). You can also provide an image file for QUIC-CHECK® Plus to use as a company logo, and this image will be printed on the header portion of your reports.

The results in the grid take into account all of the filters, and provide a preview of the results that will be shown in the finished report.

From the Reporting tab, you have access to these Reports:

- **Inspections** - Full inspection report (i.e. products that were inspected within a range of dates).
- **Missing** - Report of missing products (i.e. products on file that were not inspected during a range of dates).
- **Damaged** - Report of damaged products (i.e. products marked as "Repair" or "Replace").
- **Repaired** – Report of repaired products (i.e. products that are now "Ok" and "Repaired").
- **History** – Complete report of inspection history for a specific product or a subset of products determined by the active filters (i.e. includes all inspections and states).
- **Pre-Inspection** – Report of products that are due for an inspection within a given date range.
- **Products** – Report listing all products in the system or a subset of products as determined by the active filters.
To configure a report, perform the following steps:

1. Select the **Report Type** (*Inspections, Missing, Damaged, Repaired, History, Pre-Inspection, Products*).

2. Select a **Product Type** from the drop-down list, or leave the default of "<All Products>".

3. Select an **End User**. (Reports must be filtered by end user, and, unlike the **Home** tab, there is no option to specify "<All>" for the **End User** filter.)

4. If desired, enter a **Location**, and hit the "Enter" key on your keyboard to refresh the list of products in the grid. Taking into account all other filters, if a product has one or more inspection records that match the location, that product will display in the results grid.

   *Note: You can use the asterisk (*) as a wildcard character in the **Location** field. For instance, "Bay 2*" will match locations of "Bay 2", "Bay 21", and "Bay 244", etc.*

5. Enter the **Begin Date**,* **End Date**, or both to indicate the date range that you desire for this report.

   *Note: The History and Product reports will filter by **Projected Inspection Date**; all other reports will filter by the **Last Inspected date**. The labels of the **Begin Date** and **End Date** will change to **Proj Begin Date** and **Proj End Date** to reflect this.*
6. If you have selected the History report, the Serial No. field will appear. If desired, enter a serial number and hit the “Enter” key on your keyboard to refresh the list of products in the grid. Taking into account all other filters, only the product with the specified serial number will display in the results grid.

7. If desired, specify a company logo to be displayed on the reports. Click Select Logo to choose an image file. (Acceptable image formats are JPEG, BMP, GIF, and TIFF files.)

Note: Images used for report logos should have a landscape orientation and should be a maximum of 460 x 60 pixels in size. Larger images will have to be resized and may become distorted.

After the report is configured, click Run Report to generate the report.
A PDF file of the report will be created and then displayed in your default PDF viewer.

In the top right of the report, the report name, date, distributor, end user, product type, inspectors, and other filter criteria are displayed:
In the example *Inspection* report, the results are summarized for the chain sling products that were specified via the filters. Product details and specific inspection notes are displayed for each Product.

<table>
<thead>
<tr>
<th>Serial Number</th>
<th>Product Description</th>
<th>Inspection Date and Information</th>
<th>Condition</th>
</tr>
</thead>
<tbody>
<tr>
<td>A001R1</td>
<td>Size: 5/16'' Type: DOG; Reach: 12''; Grade: 100; Proof Tested: False; Location: Rigging Loft</td>
<td>1/23/2013 2:09:38 PM</td>
<td>OK</td>
</tr>
<tr>
<td>Manufacturer: ABC Rigging</td>
<td>Defects:</td>
<td>Comments:</td>
<td></td>
</tr>
<tr>
<td>Asset Number: 662A</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>A001R1</td>
<td>Size: 5/16'' Type: DOG; Reach: 12''; Grade: 100; Proof Tested: False; Location: Rigging Loft</td>
<td>1/22/2013 12:57:17 PM</td>
<td>Repair</td>
</tr>
<tr>
<td>Manufacturer: ABC Rigging</td>
<td>Defects: Cracks / Breaks</td>
<td>Comments: Small crack in 13th link</td>
<td></td>
</tr>
<tr>
<td>Asset Number: 662A</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

*Note: Reports are grouped by product type. Each group will have its own table and graph.*

**Exporting a Report to a CSV File**

In addition to creating a PDF file for a given report, you can export the data to a comma-delimited file (for manipulation inside Microsoft Excel, for instance). To create the .csv file, click the *Export to CSV* button instead of the *Run Report* button.
Printing and Viewing Reports Using Crosby Web Reports

The full range of reports available through the QUIC-CHECK® Plus desktop application can also be accessed using Crosby Web Reports, available at [http://qcplus.thecrosbygroup.com](http://qcplus.thecrosbygroup.com). (The initial Share Circle invitation e-mail contains a link to the login page of the Crosby Web Reports site.) From this site, members of a Share Circle can view and print reports from any location with internet access. (For an explanation of Share Circles, see the section entitled, Data Sharing.)

All data that belongs to one or more Share Circles can be accessed through Web Reports. A user must log in to the report site using the same OpenId login initially used to join the Share Circle (see the section entitled, Data Sharing). A customer or business associate who is not a QUIC-CHECK® Plus user but who is invited to join a Share Circle will use the e-mailed invitation code to join the circle, thereby gaining access to the shared data via Web Reports.

To create a web report, do the following:

2. Select the OpenId icon that represents how you are identifying yourself to the WebReports site.
3. If prompted, enter your username and password to acquire your OpenId.
4. Once you have logged in successfully, click on the "Reports" tab.
5. Select the type of report that you would like to run from the Report drop-down list.
6. Selecting the report will trigger the presentation of a number of **Report Parameter** options:

a. **End User** (i.e. limits results to products of the selected end user)

b. **Location** (i.e. limits results to products with an inspection that occurred in this location)

c. **Start Date** (i.e. limits results to products whose Next Inspection date is later this date)

d. **End Date** (i.e. limits results to products whose Next Inspection date is earlier this date)

e. **Product** (i.e. limits results to products of this type)

f. **Serial Number** (for the **History** report, only - limits to products with this serial number)

g. **Circle** (i.e. limits results to products in the selected circle)

Make selections from any combination of these parameters to filter the data displayed in the report. When parameters have been set, click **Run Report** to generate the report. Parameters can be set back to default values by clicking **Reset**.
Mobile Device Software Instructions

 Ensure the Secure Digital (SD) RFID transceiver has been installed as per the Mobile Device Software & Hardware Installation instructions.

1) Press the Power button on the top right corner of the Mobile Device’s front panel.

After the device has completed starting up, tap the Start button in the upper left corner of the screen.

 Note: On the mobile device, a single tap is often equivalent to a "double click" on a standard Windows PC.

 This is especially true when tapping on a document, or on a program icon (as in step 3, below).
2) Tap on the Programs menu item.

Note that you may already have a menu item for "Pocket QUIC-CHECK".

If available, just click the shortcut and go to Step 4.

3) Tap once on the Pocket QUIC-CHECK® icon to launch the application.

(In the future, you can skip this step, and use the shortcut that will appear in the Start menu after the first time that you launch Pocket QUIC-CHECK®.)
4) When Pocket QUIC-CHECK® is starting up, you will see a progress indicator that looks like “beach ball.”

Pocket QUIC-CHECK® must run through an initialization process, and does not display its start screen immediately.

Normally, it can take up to 30 seconds for the application to start.

With larger databases, Pocket QUIC-CHECK® may take even longer to initialize.

5) After Pocket QUIC-CHECK® initializes, the opening screen of the application is displayed.

From this screen, there are two options from which to choose on the main screen. Other options are available by tapping Menu in the lower right:

1) **Scan QUIC-CHECK® Tag**
   Navigates to the same screen as the **QUIC-CHECK® Tag Reader** icon.

2) **Inspect Products**
   Navigates to the same screen as the **Inspect / Build Products** icon.

3) **Build Products**
   Immediately launches the Build Product screen.

4) **Maintain Database**
   Checks the database for errors and compresses it, if possible.

5) **About...**
   Displays the Pocket QUIC-CHECK® About screen with version, copyright and patent information.

Note: An additional option: “Clear Recent Items List” is also available from this menu, which clears the shortcuts that accumulate in the Start Menu of the Mobile Device, and requires an immediate “Soft Reset”.
Using the Pocket QUIC-CHECK® Tag Reader Software

1) Tap the QUIC-CHECK® Tag Reader icon.

2) The Tag Reader screen is displayed. No values will be displayed next to the labels until you scan an RFID tag.

Note, if you have not inserted the SDiD RFID Reader, you will see the following message:

<table>
<thead>
<tr>
<th>No RFID Reader</th>
<th>ok</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image1.png" alt="Warning icon" /></td>
<td>No supported RFID reader could be detected. Please make sure that the reader is seated firmly in the device’s card slot.</td>
</tr>
</tbody>
</table>

The small green light on the SDiD Reader will blink, indicating that it is attempting to find an RFID tag.
3) Hold the RFID transceiver as close as possible to the Crosby QUIC-CHECK® tag.

The software will provide two indications that the tag was successfully read:

1. You will hear an audible beep from the Mobile Device.
2. The screen will briefly flash solid red (useful if background noise prevents hearing the audible indication).

If the tag was previously initialized by the Crosby QUIC-CHECK® Plus software, you will see the screen displayed on the right.

This shows the following information:

1. **QUIC-CHECK® No** – This is a pre-programmed number unique to every Crosby QUIC-CHECK® tag.
2. **Product Type** – This refers to the type of product; in this case, a chain sling.
3. **In Service Date** – Shows the date of manufacture.
4. **Last Inspected Date** – If this product has been inspected using Crosby QUIC-CHECK® software in the past, the date of this last inspection will appear here.
5. **Last Status** – Shows the condition of the product when it was last inspected. This field will show OK, Repair, or Replace.
6. **Serial Number** – Shows the serial number of the product (Tapping this link will perform the same action as tapping View Details)
7. **Next Inspection** – Shows the next scheduled inspection date.

To scan another RFID tag, just hold the transceiver against the new tag (the Tag Reader function reads continuously until you tap Back).
4) If you scan a tag that has not been previously initialized, only the RFID tag number will be shown and the screen displayed will have a Build option instead of View Details in the lower right corner of the Mobile Device's display.

Tapping Build will launch the Edit Product screen, and allow you to create a new product in the database that is already registered with the RFID tag you just scanned. (See step 6.)

5) To return to the Pocket QUIC-CHECK® main screen, tap Back in the lower left corner of the Mobile Device's display.

6) By tapping Build, you can immediately create the product on the Mobile Device.

After you have entered the correct product details, tap Save Record and Initialize Tag to store the information in the database. You will also be prompted to write information to the RFID tag, and doing so will store the product type and inspection date information on the tag.

Note that tapping Save will only store the information in the database and will not prompt you to scan the RFID tag. This action is not recommended unless there is a specific reason not to store the product information on the RFID chip.
Building a Product with Pocket QUIC-CHECK®

1) From the main screen, tap **Inspect / Build Products**.

(Alternatively, you can select **Build Products** from the Menu in the lower right. This will take you immediately to the Edit Product screen, shown in step 4.

2) The **Inspection: Find Products** screen is displayed.

From the **End User** menu, select the End User for which you will create the new Product.
3) Tap **Menu** in the lower right corner of the screen.

4) Choose **New Product** and go to Step 5.

Other options that appear on this menu allow the user to inspect products, view / edit product details, create new end users, search for serial numbers within the database, or scan QUIC-CHECK® RFID tags to locate a given item in the database.

This menu also contains several settings that affect the appearance and behavior of this screen, as well as the application itself:

**Show Deactivated Products**

By toggling this option, products that have been marked as inactive will be displayed in the grid results with active products.

**Do Not Write Back To Tag**

This option can be turned on to avoid the extra step of writing inspection information back to the tag. This option is always off by default, but if you do not intend to write any information back to the RFID tag, this option can greatly speed up the inspection process (rather than continually having to cancel the prompt to write back to the tag).

(Continued…)
(Continued from previous page)

**Hide First Inspection Screen**

Another way to speed up the inspection process is to hide the screen on which you specify the date of the inspection and who is conducting the inspection, since these normally stay the same throughout the use of the program during an inspection. (This option is initially disabled. The option to skip the screen appears the first time you encounter the screen when inspecting a product.)

- **Product:** Chain Sling
- **Serial No.:** A001R1
- **Inspect Date:** Jan 18 2013

- Inspectors:
  - Ian Spector (ABC Rigging)

- Don’t show this screen again

You can create a new inspector.

**Do Not Auto-Refresh Grid**

When selected, the grid results will only refresh when the Update button is tapped.

No products found.

(Continued…)
(Continued from previous page)

**Extend End User Dropdown**

This is generally only used when different End Users start with identical characters, and you require more viewable characters to differentiate them.

<table>
<thead>
<tr>
<th>Inspection: Find Products</th>
</tr>
</thead>
<tbody>
<tr>
<td>End User: Dependable Supplies</td>
</tr>
<tr>
<td>Starting from: Jan 18 2013</td>
</tr>
<tr>
<td>For the next: 1 Year</td>
</tr>
</tbody>
</table>

5) The Edit Product screen allows the entry of the following information on the **General** tab:

1. **Category** – Select from pre-defined product categories.

2. **Product** – Available products are determined by the current product category.

3. **End User** – Select from available End Users.

4. **Manufacturer** – Select from available Manufacturers (new Manufacturers can be typed directly into this field).

5. **Serial Number** - Enter the product’s serial number (required; must match the number stamped on the ID tag).

6. **Asset Number** – If your company uses an identifier other than serial number to track Products, enter the value here (optional).

7. **In Service Date** – Enter the date this Product was first put into service. The value will default to the current date, but can be changed.

(Continued…)
8. **Unit System** – Select from Feet and Inches or Metric. Changing this value may also change values on the Details tab.

9. **Active** – Leave checked if the product is in active use.

   Un-checking the box will mark the Product as inactive. Inactive Products by default are hidden on most screens (Desktop and Mobile Device), unless you specify otherwise.

   Marking a Product as inactive will also allow its QUIC-CHECK® tag to be reassigned to another Product.

   6) Tap the Details tab of the screen to enter additional information for the product. The Details tab for a Chain Sling product is shown here.

   **Note:** The information displayed on the Details tab is specific to the current product type. Changing the product selection on the General tab will result in the entries on the Details tab being reset to blanks.
7) After you have entered the correct product details, tap **Save Record and Initialize Tag** to store the information in the database. You will also be prompted to write information to the RFID tag, and doing so will store the product type and inspection date information on the tag.

Note that tapping **Save** will only store the information in the database and will not prompt you to scan the RFID tag. This action is not recommended unless there is a specific reason not to store the product information on the RFID chip.

8) After tapping **Save Record and Initialize Tag**, you see the Tag Reader screen.

The application is ready to write the Product information to the QUIC-CHECK® tag. Hold the RFID transceiver close to the tag you wish to initialize.

If the information was stored on the tag successfully, the Mobile Device will play an audible sound and the screen will flash blue for a brief moment.

*Note: The screen flashes are color coded:*

- **RED** = Read a Tag
- **BLUE** = Write To a Tag
- **PURPLE** = Read, Then Immediately Write To a Tag
- **ORANGE** = Read or Write Error Was Encountered
9) If the tag you are trying to initialize is currently assigned to another active product, the Resolve Tag Conflict screen will be displayed.

If the tag is being re-assigned (recycled) to the current product, tap Continue. After continuing, you will be prompted to scan the tag again to write product information to the tag.

If you do not wish to re-assign the tag, tap Cancel. The initialization will be stopped and will return you to the Edit Product screen.

Note: If you attempt to save a new product and have assigned to it a serial number that already exists in the database, you’ll receive a different warning and be prevented from saving the conflicting product to the database:

10) After the tag has been initialized, the Application will store the QUIC-CHECK® number from the tag and automatically save the Product information (if there is no Serial Number conflict).

If all required fields have been completed, the Application will display the View Product screen for your review.

From this screen, you can proceed directly into an inspection of the Product by tapping Inspect in the lower right corner of the screen. See Step 7 in the next section, Inspecting Products with Pocket QUIC-CHECK® for more information.

Otherwise, tap Back to return to the Inspection: Find Products screen.
11) On the **Inspection: Find Products** screen you should see listed the Product you just created. Note that you may need to scroll down the list if you have many Products defined for the current End User.

To enter additional products, refer to **Step 3** of this section and repeat the process.

Tap **Back** in the lower left corner of the screen to return to the Pocket QUIC-CHECK® main menu.
Inspecting Products with Pocket QUIC-CHECK®

Before using your Pocket QUIC-CHECK® software at an End User’s facility for an on-site chain sling inspection, you will need to ensure your Mobile Device is properly synchronized with your computer. If this is not accomplished you may have slings on your computer that are not on your Mobile Device or vice versa. See the instructions in the Synchronizing Your Mobile Device with the Desktop PC for directions on how to perform this synchronization.

1) Launch the Pocket QUIC-CHECK® application and tap the Inspect/Build Products icon.

Note: Alternatively, you can arrive at the Inspection: Find Products screen by selecting Inspect Products from the Menu in the lower right.
2) The **Inspection: Find Products** screen is displayed.

**Note:** Shown to the right is the inspection status for products for the end user, "Professional Rentals, LLC" for an inspection period of 1 year starting on January 21, 2013. The use of these drop-down lists will be discussed later in this section.

3) Select the appropriate **End User** from the drop down menu.

After the End User has been selected, use the drop down list to select the **Starting from date**. This is the beginning date for the current inspection period, and will default to the current date.
4) Next, select the length of the current inspection period from the available options.

If the Do Not Auto-Refresh Grid option is unselected, then the grid will be automatically updated after you have selected the end user, starting date and inspection period length.

The results shown will be the products for the selected end user that require inspection during the inspection interval specified.

**Note:** The Do Not Auto-Refresh Grid option, when selected, will prevent the grid from automatically refreshing whenever this screen is displayed or when a filter is changed.

Selecting this option can speed up an inspection by only showing you the results when you request them via the Update button. (The Update button is hidden unless this option has been selected.)
5) The status column (C) indicates whether inspections have been completed for the specific products for the time period specified.

In the example to the right, there are eight products for the end user, Professional Rentals, LLC. For the 1 year period starting January 21, 2013, none of these products have been inspected.

Additionally, a status line below the product list displays a percentage of how many products have been inspected for the time period specified.

*Note: When selecting “Show All” for the inspection period, the completion status has no context and thus is not displayed.*

6) There are several ways to select a product for inspection, and some take you to the Inspection: Begin Inspection screen more directly than others.

*Option 1:*

If the product being inspected is equipped with a Crosby QUIC-CHECK® tag, then the absolute quickest way to complete an inspection is to do the following:

1. Inspect the product and determine whether the item is Ok, in need of Repair, or must be Replaced.
2. Tap the appropriate green Ok, yellow Repair, or red Replace button in the lower right of the window, and then hold the RFID transceiver next to the tag to be scanned.
3. You will see a purple flash as the tag is read and immediately updated to reflect the Status and Inspection Date.
4. The Inspection: Begin Inspection screen in Step 7 will then be displayed.
**Option 2:**

Alternatively, if the product being inspected is equipped with a Crosby QUIC-CHECK® tag and you wish to bring up the item on the PDA before you begin inspecting it, you can do the following:

1. Tap the blue **Scan** button in the lower left of the window, and then hold the RFID transceiver next to the tag to be scanned.
2. You will see a red flash as the tag is read.
3. The **Inspection: Begin Inspection** screen in Step 7 will then be displayed.

*Note: With this method, you will be prompted to write the status back to the tag once you have completed its inspection.*

**Option 3:**

If the product to be inspected is in your database, but is not equipped with a Crosby QUIC-CHECK® tag, you may also use the interface to arrive at the **Inspection: Begin Inspection** screen.

1. The quickest way to arrive at this screen without scanning a tag is to double-tap the row of the product you want to inspect.

   *Note: Be sure to double tap in any cell **EXCEPT** the Serial Number cell. (Double-tapping in the Serial Number cell will take you to the View Product screen, as described in Option 4.)*

2. The **Inspection: Begin Inspection** screen in Step 7 will then be displayed.
Option 4:

In some cases, you may want to view the details of a product prior to its inspection, or you may wish to initialize a Crosby QUIC-CHECK® tag prior to the product's inspection.

1. Tap on the blue hyperlinked Serial Number, or double-tap the Serial Number cell of the product you wish to view.
2. The View Product screen will be displayed.
3. To inspect the product, tap on Inspect. Alternatively, you may link a tag to this product (see below), or even view its inspection history.
4. The Inspection: Begin Inspection screen in Step 7 will then be displayed.

To associate a Crosby QUIC-CHECK® tag with a product, do the following:

1. Tap the Initialize Tag button.
2. You then will be prompted to scan the product equipped with a Crosby QUIC-CHECK® tag.
Searching By Serial Number:

If the selected end user has a large inventory of items to be inspected, you can quickly filter your list of items to make a given serial number, or set of serial numbers, easier to find.

1. Tap the Search button in the lower left of the window.
2. In the resulting Search for Serial Number dialog, enter the product's serial number (whole or partial).
3. Tap the Search button to display a list of matches.
4. Use the technique described in either Option 3 or Option 4 to View or Inspect a product in the filtered list.

Note: You can revert to the list of products filtered by inspection date by clicking the Find by Inspection Date link, located above the results grid.
7) Using one of the four options in Step 6, you now should see the Inspection: Begin Inspection screen.

For Chain Sling product types, you can view product specifications for the current sling size by tapping the Chain Sling hyperlink displayed in the Product field.

Note: Additional information about this screen is explained in Step 14.

8) Tapping the field will display the Inspection: Product Specification screen.

This screen provides information about: Working Load Limit, Minimum Thickness, Temporary Reduction while at Temperature and Permanent Reduction after Exposure to Temperature. These values vary based on the particular combination of Size, Number of Legs and Grade of a chain sling.
9) Shown to the right is the Temporary Reduction While at Temperature table.

Clicking the Temp After tab will display the Permanent Reduction after Exposure table for the selected chain sling:

<table>
<thead>
<tr>
<th>Chain Sling</th>
<th>5/16&quot;; Double; Grade 100</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Permanent Reduction AFTER EXPOSURE to Temp</td>
</tr>
<tr>
<td>&lt;400°F (&lt;204°C)</td>
<td>None</td>
</tr>
<tr>
<td>400°F (204°C)</td>
<td>None</td>
</tr>
<tr>
<td>500°F (260°C)</td>
<td>5%</td>
</tr>
<tr>
<td>600°F (316°C)</td>
<td>15%</td>
</tr>
<tr>
<td>700°F (371°C)</td>
<td>20%</td>
</tr>
<tr>
<td>800°F (427°C)</td>
<td>25%</td>
</tr>
<tr>
<td>900°F (482°C)</td>
<td>30%</td>
</tr>
<tr>
<td>1000°F (538°C)</td>
<td>35%</td>
</tr>
<tr>
<td>&gt;1000°F (&gt;538°C)</td>
<td>Remove</td>
</tr>
</tbody>
</table>

WLL / Thickness | Temp While | Temp After
--- | --- | ---

You may return to the inspection screen by tapping Back.

10) Should it be necessary to inspect products that are not on your Mobile Device, you can create the product from the mobile device and then perform the inspection, as described in Steps 11, 12, and 13.

Before creating it, if you suspect that the product might be in your database but is not displaying for some reason, you may want to select the Show Deactivated Products from the Menu option, just to be sure that you are not creating a duplicate product.

Deactivated products will display with a dash "-" in the far left column when this option is selected.
11) To create a new product, tap **Menu** in the lower right section of the Mobile Device's display, and select **New Product**.

12) The **Edit Product** screen will be displayed.

The information entered here is the same as explained previously in this manual in the **Building A Product with Crosby Pocket QUIC-CHECK® Software** section.

Enter all of the required information, then tap **Save** in the lower right corner of the Mobile Device's screen to save the new product to the database.

*Note: If you want to initialize a QUIC-CHECK® Tag and associate it with the new product, choose **Save Record and Initialize Tag** instead of **Save**.*
13) After tapping Save in Step 12, the View Product screen will be displayed. Tap the Inspect button on the lower right corner of the screen to proceed to the Inspection: Begin Inspection screen.

14) The following additional notes apply to the Inspection: Begin Inspection screen (continued from Step 7):

1. Tapping the serial number link will display the View Product screen, allowing you to review product details for the current product.
2. The current date is shown for the Inspection Date, but this may be changed as required.
3. When performing an inspection, you will be required to select one or more Inspector(s) performing the inspection.
4. If the inspector performing the inspection is not displayed in the list, tap the new Inspector link to enter a new inspector.
5. To speed up an inspection, you can bypass this screen if the information you have selected will apply to all further inspections for the day. Tap Don’t show this screen again to bypass this screen. (Restarting Pocket QUIC-CHECK® will reset this option.)

Tap Next to proceed to the next screen.
15) The **Inspection: Note Defects** screen will be displayed.

*Note: If a standard, such as B30.9, is being used as the source of the inspection defects, then it will be indicated in parentheses.*

The following notes apply to the selection of defects:

1. If any defects are selected, the **Status** condition will default to **Repair**, but can be manually changed to **Replace**. The **OK** status will not be available if any defects are selected.

2. If no defects are selected, **Status** will only contain the conditions: **OK**, **Location Changed**, **Custodian Changed**, and **Note Only**.

*Note: Use the scroll bar on the right side of the screen to view additional defects defined for the current product type. If an appropriate defect is not defined, select the defect titled **Other** and type the specifics in the **Comments** field.*

While the **Comments** field is optional, the **Location** field is required:

```
Location: Bay 23
Status: OK
```

Enter the Location of the product by typing a new location or by using the drop-down list to select a previously entered location.

Clicking the Location link will toggle the location between the product's last location ("Last Loc"), and the current default location:

```
Last Loc: Bay 16
```

*Note: For consistency in the names of your locations, it is recommended that the drop-down list always be inspected for the appropriate location before entering the location with the dynamic keyboard and stylus.*
16) Tap Save in the lower right corner of the Mobile Device’s display.

If the product has a Crosby QUIC-CHECK® Tag, you will be prompted to scan the tag to write the inspection data to the tag.

Note: You will not be prompted to write the inspection data to the tag if you selected the Do Not Write Back To Tag option on the Inspection: Find Products screen:

- Show Deactivated Products
- **Do Not Write Back To Tag**
- Hide First Inspection Screen
- Do Not Auto-Refresh Grid
- Extend End User Dropdown

17) After an inspection has been completed, the Inspection: Find Products screen will be displayed.

1. A checkmark will appear in the status column (C) for each product that has been inspected and saved.
2. Products not yet inspected will have no entry in the status column (C).
3. As products are inspected and saved, the % complete status line will update to reflect the correct number of items inspected and the correct percentage.

Note: If you do not want to wait for Pocket QUIC-CHECK® to refresh this data each time you complete an inspection (for large data sets, for instance), select the Do Not Auto-Refresh Grid option on the Inspection: Find Products screen:

- **Do Not Auto-Refresh Grid**
- Extend End User Dropdown
18) If you inspect a product that had been previously flagged for repair (during a prior inspection), you will be presented with the Repair Product dialog.

- Clicking Yes will automatically clear all defects, update the status of the product to OK and complete the inspection.
- Clicking No will allow you to manually enter inspection information (See Step 19)

19) On the Inspection: Note Defects screen, any defects previously noted for the Repair will be indicated by icons with a yellow exclamation mark and the text of the noted defect(s) will be highlighted in red.

In the example to the right, you can see that there was a Cracks / Breaks defect noted in the last inspection.

- If the defect is no longer present, leave the box unchecked and tap Save to save the inspection.
- If the defect is not yet repaired, check the box next to the defect (which will change the product status to Repair).
- If the product should be replaced instead of repaired, select Replace from the Status drop down.
- Tap Save to save the inspection once the noted defects and status are accurate for this inspection.

Note: The warning icons and highlighted text will only display if the defects were noted in the inspection immediately prior to the current inspection.
20) When Pocket QUIC-CHECK® attempts to write information to a Crosby QUIC-CHECK® Tag, you can tap Done in the Mobile Device’s lower left corner to forego writing to the tag.

Note: You will not be prompted to write the inspection data to the tag if you selected the Do Not Write Back To Tag option on the Inspection: Find Products screen:

21) After all products have been inspected, tap Back in the Mobile Device’s lower left corner to return to the main menu of Pocket QUIC-CHECK®.

After all products have been inspected, the data is not yet available for any reports or analysis, as it resides solely on the Mobile Device. In order to run reports and/or update the main database on the PC, you must synchronize the Mobile Device with your PC as explained in the next section.
Synchronizing Your Mobile Device with the Desktop PC

In order to load product data onto your Mobile Device, or to move data created on your Mobile Device back to your desktop PC, you must connect your Mobile Device to your desktop PC via the supplied USB cable.

The database that you interact with when you are using the QUIC-CHECK® Plus desktop application may be a standalone database that exists only on your machine, or it may be a shared database that exists on a network server. In either case, synchronization of the data between the desktop application and Pocket QUIC-CHECK® takes place through the transferring of a database file, using Microsoft’s Mobile Device Center (or ActiveSync).

Before synchronizing data between the desktop application and the Mobile Device, always connect the Mobile Device to your PC using the supplied USB cable, and always be sure to close the Mobile Device application so that Pocket QUIC-CHECK® is not running. (The desktop application will not synchronize any data if the application on the Mobile Device is open.)

It is very important that the Mobile Device be set up with the correct date and time. If the date and time are not correct, new records created on the Mobile Device may not be merged into the main database during data synchronization.

There are two options for data synchronization: Standard and Advanced.

**Standard Data Synchronization**

1. Click the **Mobile** tab.
On the Mobile tab you will see information about the connected Mobile Device (it may take a moment for the connection to be established).

2. Verify the device shows as “Connected” in the Device Status box.

   Note: While the device is being connected, the Sync Device button will be disabled. After the connection is established, the Sync Device button will become clickable.

3. Ensure that the “Main Memory” option is selected from the Storage menu box.

   Note: Although possible to do so, it is not recommended to use a separate storage card for the Pocket QUIC-CHECK® database. If you find it necessary to use a separate storage card, please contact customer support for instructions.

4. The Device Memory chart will display how much free space is available, based on the selected storage option, and how much space is currently being used.

5. By default, both transfer checkboxes below the “Sync Device” button are checked. If desired, uncheck the appropriate transfer checkbox, as described below in the following scenarios:
<table>
<thead>
<tr>
<th>Scenario</th>
<th>What To Do</th>
<th>The Result</th>
</tr>
</thead>
</table>
| #1: You have just completed an inspection with a single Mobile Device and need to both update your main database and prepare your Mobile Device for its next use. | ![Sync Device]  
1. Leave both checkboxes checked.  
2. Click the **Sync Device** button | ![Result Image]  
1. The Mobile Device database will be transferred from the Mobile Device to the Desktop.  
2. A merge will take place.  
3. The updated Desktop database will then be transferred back to the Mobile Device. |
| #2: You have just completed an inspection that utilized more than one Mobile Device and need to update your main database with the data on each of the separate Mobile Devices. Or, you just want to pull the data from a single Mobile Device without pushing any data back to it. | ![Sync to Desktop]  
1. Uncheck the **Desktop >> Mobile** checkbox.  
2. Click the **Sync to Desktop** button | ![Result Image]  
1. The Mobile Device database will be transferred from each Mobile Device to the Desktop.  
2. A merge will take place after each transfer.  
3. No data will be transferred back to any of the Mobile Devices. |

*This technique saves time by not transferring "half-synced" databases back to any Mobile Devices, however, you will need to transfer your main database back to each Mobile Device before using it to perform an inspection.*
<table>
<thead>
<tr>
<th>Scenario</th>
<th>What To Do</th>
<th>The Result</th>
</tr>
</thead>
<tbody>
<tr>
<td>#3: You are about to perform an inspection and need to transfer your main database to more than one Mobile Device (possibly as a result of using the technique above to sync your Mobile Devices).</td>
<td>1. Uncheck the <strong>Mobile &gt;&gt; Desktop</strong> checkbox. 2. Click the <strong>Sync Device</strong> button.</td>
<td>1. No data will be transferred to the Desktop from any of the Mobile Devices. 2. The main database will be transferred from the Desktop to each Mobile Device, overwriting the existing Mobile Device data.</td>
</tr>
<tr>
<td>Or, you just want to push your main database to a single Mobile Device, and wish to ignore and overwrite the current Mobile Device database.</td>
<td>3. You will be prompted to confirm that you wish to overwrite each database. Follow the instructions and click the <strong>OK</strong> button.</td>
<td>This technique saves time by not transferring &quot;out-of-date&quot; databases from the Mobile Devices (and also avoids the subsequent meaningless sync process that would take place).</td>
</tr>
<tr>
<td></td>
<td>4. Sync each additional Mobile Device in the same way.</td>
<td>However, you must be absolutely sure that no new data has been collected by any of the Mobile Devices, for each Mobile Device database will be ignored and overwritten with no chance for data recovery.</td>
</tr>
</tbody>
</table>
When the synchronization process occurs, a window will appear displaying the status of the file transfer operation. If an internet connection is available, Crosby product data will also be displayed in a scrolling marquee.

Clicking on the yellow hyperlinks will download a PDF file with product data, and clicking on one of the navigation circles to the right will advance the marquee to the next product.

The various steps of the synchronization process will be displayed in the status window.

The synchronization phases are:

1. Copying Pocket QUIC-CHECK® database to desktop
2. Sync in process
3. Sync to QUIC-CHECK® Plus desktop database complete; refreshing the data grid
4. Copying QUIC-CHECK® Plus desktop application data back to mobile
5. Sync to Pocket QUIC-CHECK® database complete.

Note: One, and only one, database can be stored on the Mobile Device at one time. If you change the Storage option between synchronizations (for example, from “Main Memory” to “Storage Card”), the database is removed from the old location and synchronized to the new location.

**Advanced Data Synchronization**

Advanced synchronization is designed for users with very large databases (greater than 1000 products), allowing partial (and thus, smaller) databases to be used on the Mobile Device. With a smaller database, the sync process is faster (because the file is smaller) and the database searches performed by Pocket QUIC-CHECK® are faster (because there are fewer records to examine). To enable Advanced Synchronization, follow the instructions below:
1. Click the QUIC-CHECK® Plus button (the circular application button), and then click the QUIC-CHECK® Plus Options button:

2. Select Yes under the Sync Device – Show Advanced Sync Panel option, and click OK.

3. Now click on the Mobile tab.
4. The Advanced Sync panel, entitled **Partial Data**, is now visible.

With Standard Data Synchronization, the entire database is copied into a special database file for transfer to the Mobile Device. But with Advanced Data Synchronization enabled, you now have the option of using only the products visible in the results grid when creating the Mobile Device database.

Selecting the "**Only the products shown**" option will transfer all products shown in the results grid to the mobile device (and only those products). The complete set of inspection records will be transferred with each product, unless the "**Only the last inspection records**" option is also checked. Selecting both of these options will create the smallest database possible for transfer to the mobile device.

*Note: Any end user, manufacturer, or inspector records that are not associated with the records in the grid will not be transferred to the Mobile Device.*

In fact, the **Partial Data** panel also allows you to create Mobile Device databases even when the Mobile Device is unavailable (for instance, when it is being used out in the field). This is especially helpful
when a large database needs to be reduced in size and transferred to multiple devices. By choosing the "Sync to and from a folder" option, you can do the filtering process once, and then just push the resulting database to multiple devices; you only "pay" for the filtering process once, and if you are using a network database, the time savings is even more dramatic.

**Note:** When transferring data from a network database to a Mobile Device, all of the data must first be transferred over the network to create a local database file that can then be filtered and prepared for transfer to the Mobile Device. For large databases, the time to transfer the data and build the local file can be significant.

When transferring data from the Desktop to a Folder, the icon and label will change to indicate the direction of the transfer.

Similarly, the icon and label will change to indicate the direction of the transfer when copying data from a Folder to the Mobile Device. In this case, the items in the results grid will be ignored, and the prepared database file can be selected and quickly transferred to the Mobile Device.

The default location for these "Transfer to Folder" databases is "C:\Users\Public\Documents\Crosby QUIC-CHECK® Plus."

### Recovering Data Lost During a Sync

Connectivity issues during the sync of a Mobile Device with the desktop or laptop PC can result in what appears to be a successful sync — but is actually an incomplete sync process, resulting in the loss of data. Should this occur, the lost data can be recovered by performing the following steps.
1. Locate the backup copy of your mobile database:
   a. In the Documents\MyDocuments (Windows 7), Documents (Vista), or My Documents (XP) folder on your desktop PC, you will find the nested folder: "Crosby\US\backups\mobile."
   
   ![Image showing the Documents folder structure on a Windows system]

   b. In the mobile folder, locate the file with a Date-Time corresponding to the time of the sync. This is the backup copy of your mobile database. *(Tip: change the folder view in Windows Explorer to display Details in order to more easily see the file Date-Time stamp.)*

   c. Rename the file, removing only the last four characters (".bak"). Right-click the file and choose Rename, then delete the final four characters (".bak") of the file name.

2. Recover the missing data:
   a. Open the QUIC-CHECK® Plus desktop application, and make sure it is pointing to your main database (not the mobile backup file).

   b. Using the QUIC-CHECK® Plus button, select Merge Database from the menu.
c. Using the **Browse...** button, locate the desired mobile database backup file, and click **OK**.

Once the merge is complete, the missing data should appear in your master QUIC-CHECK® Plus desktop database. Perform another sync with the Mobile Device, and the recovered data will be available in Pocket QUIC-CHECK® as well.

Note that sometimes, data is not merged into the main database because the Mobile Device has a different date or time than the Desktop application. If the Mobile Device thinks it is an hour earlier than the Desktop application, that discrepancy can cause a recent change on the Mobile Device to be ignored (if a change on the Desktop to the same product would be considered more recent than the incorrectly time-stamped Mobile Device change).

☞ **It is very important that the Mobile Device be set up with the correct date and time. If the date and time are not correct, new records created on the Mobile Device may not be merged into the main database during data synchronization.**
Combining End Users, Inspectors and Manufacturers

When multiple people enter data into the QUIC-CHECK® Plus software, they may accidentally place duplicate End Users, Inspectors or Manufacturers in the system. For instance, one user may create an End User named “Jones Rigging” and another user may create an End User named “Jones Rigging Corporation”. In reality, these End Users are the same entity and need to be combined.

Additionally, during an inspection, multiple users may create the same inspector on multiple Mobile Devices using Pocket QUIC-CHECK®. When this data is synchronized with the QUIC-CHECK® Plus desktop application, QUIC-CHECK® Plus will list the inspector multiple times since each will have a distinct set of general properties that may differ. The sync process will also append a numeric indicator to the end of duplicate names found during the sync (i.e. John Doe, John Doe (1)). By simply combining the Inspectors in QUIC-CHECK® Plus, the user can tell the QUIC-CHECK® Plus software that “James Smith” and “JJ Smith” or “John Doe” and “John Doe (1)” are really the same person.

To combine two End Users, do the following:

1. On the Home tab, click on the "plus sign" icon to the left of the End User filter.

2. The End User dialog will display.

3. Click the Combine End Users button.

(In the following step, the End User “Jones Rigging Corporation” will be combined with the “Jones Rigging” End User.)
4. Choose the duplicate End User (the one you wish to delete).

5. Typically, you want to delete the duplicate End User once the products are reassigned.
   To do so, place a checkmark in the **Delete this End User after products are moved** checkbox.

6. Choose the preferred End User (the one you will keep).

7. Click the **OK** button.

The duplicate End User’s products will be reassigned to the preferred End User.

Combining Inspectors and Manufacturers can be done in the same way, using the "plus sign" icons to the left of the **Manufacturer** and **Inspector** filters. Each icon will bring up the respective **Manufacturer** or **Inspector** dialog.
Data Sharing

Overview

The Data Sharing component of QUIC-CHECK® Plus allows the user to share data quickly and easily with any other user, be they a member of the same organization or an outside entity. For instance, data can be shared between a distributor and a customer, between two or more distributors, or between branches of an organization. Because the sharing is accomplished via a web-based relationship, geographical location is not an issue. When the owner of data initiates sharing of data with another user, the owner determines the level of rights the other user will have in the relationship (for example, the right to update or delete data).

Example:

Red Inc. is sharing these dark red Products with Green Company.

What Do I Need To Get Started?

Data Sharing requires that you have an "identity" that labels your data as "yours", so that you can share data with others who have data that's "theirs". As you might guess, this is done with a username and password. However, Crosby realizes that many people use the same passwords for different accounts across the internet, so for your protection, we have opted to not store your username and password on our server. Even if we stored it in an encrypted form, your username and password is much more secure when it is an account maintained by Google, or Yahoo! (or other provider) and we want your information to be as safe as possible.

The technology we are using is called "OpenID". If you have a Google account, for instance, you can choose to establish your identity using this Google account. In this example, when asked to select an OpenId provider, click the Google icon. When asked for your username and password, enter the username and password you would use to access your Google account, and QUIC-CHECK® Plus will remember your identity the next time you sync your data with the web server.

If you do not already have an account with one of the listed providers, you will need to create one. You can do this within QUIC-CHECK® Plus when you create (or join) your first Data Share Circle, but often it is more convenient to do so before you even start. Just use your normal browser and visit any of the providers listed below and create an account so that you’ll have your OpenId credentials ready to go when QUIC-CHECK® Plus asks you for them.
Enabling the Data Sharing Tab

By default, the "Data Sharing" tab is hidden. To make it visible within QUIC-CHECK® Plus, do the following:

1. Click the QUIC-CHECK® Plus button (the circular application button), and then click the QUIC-CHECK® Plus Options button:
2. Click Yes under the Web Sync - Show Data Sharing option, then OK.

3. The "Data Sharing" tab will now be visible. Click on the tab to begin using the Data Sharing features of QUIC-CHECK® Plus.

Note: You will also notice a new filter that you can use to limit your products in the results grid, called "Circle". This filter will contain the names of all Share Circles to which you belong.
Creating a Share Circle

To create a Share Circle, do the following:

1. Navigate to the Data Sharing tab and click the New Share Circle button. This button will launch the Data Share Circle form.

2. Enter a name for the Share Circle in the Circle Name field. (The only restriction is that you should not use an asterisk in the name). Both the product data to be shared (Products tab) and the users to be included in the Share Circle (Users tab) are managed from this form.
3. On the Products tab, click the Add Products button, launching the Add Products form.

4. Products can be filtered by selecting the “funnel” icon to the right of each column header.

5. After filtering down to the products you wish to add (by End User, or Product Type for instance) select the products to be included by clicking and highlighting each product to be added, using the "ctrl" and "shift" keys to select multiple products.
6. Alternatively, clicking the Select All button will add all products to the Share Circle that are displayed in the grid (useful for when there are many products to be added to the Share Circle).

7. When all of the products you wish to add are selected, click the OK button.
8. Added products may be removed by selecting a product (or products) and clicking the **Remove Products** button.

9. To add users to the Share Circle, navigate to the **Users** tab.
10. Enter the user’s name and email address (necessary for inviting a user to the circle). Then uncheck the appropriate check-boxes to limit the user to the desired level of rights to the data.

- **Can Add**: The user may add new products to the circle.
- **Can Edit**: The user may edit existing product data in the circle.
- **Can Remove**: The user may remove products and inspections from the circle.
- **Can Inspect**: The user may add, edit, or delete inspections associated with the products in the circle.
- **If They Terminate, Grant Full Rights**: The user will retain full permissions to the product data in the event that the circle is dissolved.

11. Click the **Apply** button when finished adding all users. Do not click the **OK** button yet.

12. The progress marquee will display briefly as the products and users are applied to the Sharing Circle. (Note that product information has not been uploaded to the server at this point.)
13. While the user has now been added to the Sharing Circle, that user must first be “invited” to join the circle before he or she can participate in data sharing. To send an invitation email, highlight the user by clicking the left-most cell of the corresponding row, then click the Email Invitation button.

14. At this point you will be prompted to sign in to the QUIC-CHECK® Plus website using an existing OpenID username / password combination. Several different service providers are presented in the login dialog. Choose one with which you have a current account (or create a new account with the Crosby option, for instance). If you do not currently have an account with one of the providers, you will need to set up an account before continuing with the user invitation.

Note: it is important to always use the same account when logging in to the QUIC-CHECK® Plus website, whether to invite users to a share circle, sync data, or generate reports.
15. The first time you perform a Data Sharing task, your OpenId provider may ask you for permission to communicate with qcplus.thecrosbygroup.com. If you are using a Google account, for instance, be sure to select the "Remember this approval" checkbox and click "Allow".

16. After a successful login, the progress marquee will display as data from the Share Circle is transferred to the server. This transfer of data is referred to as a "Web Sync". A "Web Sync" synchronizes your database with the sharing server, just as the "Mobile" tab's "Sync Device" button synchronizes data with the Mobile Device.

17. Once QUIC-CHECK® Plus has verified that all data necessary to initiate the share has been transferred to the server, the "Send Invitation Email" dialog will be displayed.
Verify that the “From” address, “To” address, and “Name” field are correct, and if desired, use the “Message” field to include a message. The Invitation Code displayed at the bottom of the form will be used by the recipient to join the share circle. Click “Send” to dispatch the invitation. (See the section entitled Joining a Share Circle to see a sample email invitation.)

Note: The email is sent from the Data Sharing server, not from your email program.

18. To remove users that have been added to the circle, highlight the appropriate user row(s) by clicking on the left-most cell, and then click the Remove Users button.
Note: If you have already shared data with a user that you remove, those products that have been shared immediately become subject to the rights that you specified in the "If They Terminate, Grant Full Rights" checkbox. That is, the next time the user performs a Web Sync, the user will either become the new owner of those products, and have full access to them, or, if you unchecked the box, the user will be able to view the products and the product inspections, but will be unable to edit those products and inspections. The user will not be able to share these products in a Share Circle, nor can they add new inspections to the products, however, the user may manually delete these "locked" products from their database.

Joining a Share Circle

Joining a share circle requires an invitation from the data owner.

1. Copy the invitation code from the email that was sent by the owner of the Share Circle.

   ![Invitation Code](image-url)
2. Once you have the code, you can use it in one of two ways:
   a. If you do not wish to download the QUIC-CHECK\textsuperscript{®} Plus software, you can just click the link shown in the email to be taken directly to the Web Reports section of the QCPlus website. Clicking this link will enter the invitation code just as if you had entered it manually on the qcplus website.

   Note: Do not use this technique if you have QUIC-CHECK\textsuperscript{®} Plus already installed, since this code is good for only one successful invite.

   b. If you are using QUIC-CHECK\textsuperscript{®} Plus already (the typical case), then you should copy the invitation code and click the Join Share Circle button.

3. Paste the code into the Join Circle dialog box.

   Note: Unchecking the "Reset my Web Sync history when joining this share circle" may speed up the Web Sync process, however, if the Share Circle was created prior to your last Web Sync, it will not update correctly as a consequence. Therefore, keep this checkbox checked unless you know for sure that the Share Circle was created after your last Web Sync.
4. Once the circle has been successfully joined, a Web Sync process will be initiated and the progress marquee will display.

5. When the Web Sync completes, the new circle banner will appear in the upper-right panel of the Data Sharing tab, and the shared products will appear in the results grid.
Synchronizing Data Using Web Sync

As new products are created, the host can add them to the Share Circle using the Data Share Circle form, launched by double-clicking a Share Circle banner.

Once new products have been added to the circle, or new inspections have been performed, edited, or deleted, you, the host can “synchronize” the data in the circle by clicking the Web Sync button in the upper left-hand corner of the Data Sharing tab.
Once the Web Sync is completed, other circle members can perform a web sync as well, and each member will receive the new added products.

Similarly, circle members can also add new products to the circle (if they have been granted the rights to do so), and after a Web Sync is completed, the added products will be available to the circle host and other circle members.

**Data Sharing Rights: Explicit vs. Implicit**

When a *host* adds products, he or she can explicitly define the rights that each member will have if a product is removed from the Share Circle, or if the Share Circle is dissolved (which essentially just removes all products from the Share Circle). The interface will alert you to a restriction of rights.
If a Share Circle member (not the "host") adds a product to the Share Circle, there is no way for the member to define permissions for that added product. QUIC-CHECK® Plus makes a judgment call, and declares this product as "owned" by the user who contributed it. As such, if it is removed from a Share Circle, the product will become "locked".

A natural question is, "How do you unlock a 'locked' product?"

**Data Sharing: Unlocking a "Locked" Product**

In order to unlock a "locked" product, you will need to contact the original owner of the data and ask them for their *Ownership Key*, which they can obtain from the QUIC-CHECK® Plus Options screen, by clicking the Get Key button under the Web Sync - Get Ownership Key help option.

The original Data Owner will see a small window appear with a series of letters and numbers that they will need to communicate to you.
To "unlock" any locked products, you must become the owner of those products. Enter the Ownership Key in the text field under the **Web Sync - Take Ownership** help option, and click the **Apply** button.

If the process is successful, you will see a dialog that indicates how many unshared products were "unlocked".

As the owner, you can now inspect and edit any of these previously inaccessible products.
How Do I Access Extra Filtering Options?

You can add an advanced filtering panel to the Home tab that will allow you to filter by the Last Location field and by the Asset Number field by doing the following:

1. Click the QUIC-CHECK® Plus button (the circular application button), and then click the QUIC-CHECK® Plus Options button:

2. Scroll to the Home Tab - Show Advanced Filters Panel option, click Yes, then OK.
Back on the Home tab, you will now see an extra panel called Advanced Filters:

Different from the other filters, which use drop-down boxes, these filters allow you to type in the text for which you are searching. The checkboxes to either side of the text box indicate "wildcards", commonly seen as the symbol "\*".

In the example above, both checkboxes are checked, indicating a value of "\*SSG\*" for the filter. This value of "\*SSG\*" will match any product with an Asset Number that contains "SSG" anywhere in the field. If both checkboxes were unchecked, then only products with an Asset Number field of exactly "SSG" would match. "\*SSG" would have to have Asset Numbers ending with "SSG" to match, and "SSG\*" would have to have Asset Numbers starting with "SSG" in order for a match to occur.

**How Do I Create a Backup of My QUIC-CHECK® Plus Data?**

1. Using the QUIC-CHECK® Plus button in the top left corner, select **Backup or Save As**.
2. Select a backup file location

**Important Note: If you choose Copy to Mobile Device, you are choosing to create and save the Backup Database file on your connected mobile device instead of making a Backup Database on your Local Machine. PLEASE NOTE that your mobile device Pocket QUIC-CHECK® Plus database will be replaced and you will lose any data that has not been synced from the Mobile Tab in the desktop QUIC-CHECK® Plus application.

Move the backup database file from the location chosen in the step above to an appropriate disaster recovery location.
How do I get Technical Support for QUIC-CHECK® questions or problems?

Crosby offers a full range of QUIC-CHECK® Technical Support Services that can assist you with software training, quick tips and system issue resolution.

Crosby QUIC-CHECK® Plus Technical Support
Email: qc@thecrosbygroup.com
Phone: (918) 832-5240

How to Contact Technical Support within the QUIC-CHECK® Plus Software

1. Click the QUIC-CHECK® Plus button (the circular application button), and then click the QUIC-CHECK® Plus Options button:

2. In the list on the left side of the QUIC-CHECK® Options window, click Help and Support.
3. Click the **Contact Us** button.

![Contact Us button](image)

4. Complete the form and click **Send**. A Technical Support representative will contact you shortly.

![Contact form](image)
Appendix - Selected Menu Options

New Product Menu Options:

1. Product Category
   1. Slings
   2. Shackles
   3. Hoist Rings
   4. Plate Clamps
   5. Blocks

2. Product Type
   1. Slings
      a. Chain Sling
      b. Wire Rope Sling
      c. Round Sling
   2. Shackles
      a. Shackle
      b. Sling Saver Shackle
      c. Shackle (User-defined)
   3. Hoist Rings
      a. Hoist Ring
      b. Hoist Ring (User-defined)
   4. Plate Clamps
      a. Locking Clamp
      b. Non-Locking Clamp
      c. Non-Marring Clamp
      d. Specialty Clamp
      e. Clamp (User-defined)
   5. Blocks
      a. Mobile Crane Block
      b. Bridge Crane Block
      c. Scrap Yard Block
      d. Snatch Block
      e. Derrick Hoist Block
      f. Construction Block
      g. Tilt-Up Block
      h. Tubing Block
      i. Drilling Block
      j. General Oilfield Block
      k. Overhaul Ball
      l. Block (User-defined)
      m.

3. Slings
   1. Chain Slings
      Size
      a. 7/32"
      b. 9/32"
      c. 5/16"
      d. 3/8"
      e. 1/2"
QUIC-CHECK® PLUS ELECTRONIC TAGGING & IDENTIFICATION SYSTEM SOFTWARE MANUAL

f. 5/8"
g. 3/4"
h. 7/8"
i. 1"
j. 1-1/4"
k. 1-1/2"
l. 1-3/4"
m. 2"

Adjustable?
   a. No adjuster
   b. Style A (Short adjuster length)
   c. Style B (One foot or greater adjuster length)
   d. Crosby Eliminator

No. of Legs
   a. Single
   b. Double
   c. Triple
   d. Quad

Basic Type
1. Single Leg
   a. CO (SOO) Single-Oblong-Oblong
   b. SPP Single-Pear-Pear
   c. SRR Single-Ring-Ring
   d. SGG Single-Grab-Grab
   e. SGS Single-Grab-Sling
   f. SOG Single-Oblong-Grab
   g. SPG Single-Pear-Grab
   h. SRG Single-Ring-Grab
   i. SOF Single-Oblong-Foundry
   j. SPF Single-Pear-Foundry
   k. SRF Single-Ring-Foundry
   l. SOL Single-Oblong-Shur-Loc
   m. SPL Single-Pear-Shur-Loc
   n. SRL Single-Ring-Shur-Loc
   o. SOS Single-Oblong-Sling
   p. SPS Single-Pear-Sling
   q. SRS Single-Ring-Sling
   r. SSS Single-Sling-Sling
   s. SOX (Undefined) Single-Oblong-(Special)
   t. SPX (Undefined) Single-Pear-(Special)
   u. SRX (Undefined) Single-Ring-(Special)
   v. SX (Special) Single-(Special)
   w. EN Single-Endless

2. Double Leg
   a. DOG Double-Oblong-Grab
   b. DPG Double-Pear-Grab
   c. DRG Double-Ring-Grab
   d. DOL Double-Oblong-Shur-Loc
   e. DPL Double-Pear-Shur-Loc
### 3. Triple Leg

3 & 4 leg chain slings are the same as double except for the first letter of the abbreviation

<table>
<thead>
<tr>
<th>Letter</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>a.</td>
<td>TOG  Triple-Oblong-Grab</td>
</tr>
<tr>
<td>b.</td>
<td>TPG  Triple-Pear-Grab</td>
</tr>
<tr>
<td>c.</td>
<td>TRG  Triple-Ring-Grab</td>
</tr>
<tr>
<td>d.</td>
<td>TOL  Triple-Oblong-Shur-Loc</td>
</tr>
<tr>
<td>e.</td>
<td>TPL  Triple-Pear-Shur-Loc</td>
</tr>
<tr>
<td>f.</td>
<td>TRL  Triple-Ring-Shur-Loc</td>
</tr>
<tr>
<td>g.</td>
<td>TOF  Triple-Oblong-Foundry</td>
</tr>
<tr>
<td>h.</td>
<td>TPF  Triple-Pear-Foundry</td>
</tr>
<tr>
<td>i.</td>
<td>TRF  Triple-Ring-Foundry</td>
</tr>
<tr>
<td>j.</td>
<td>TOS  Triple-Oblong-Sling</td>
</tr>
<tr>
<td>k.</td>
<td>TPS  Triple-Pear-Sling</td>
</tr>
<tr>
<td>l.</td>
<td>TRS  Triple-Ring-Sling</td>
</tr>
<tr>
<td>m.</td>
<td>TOX  Triple-Oblong-(Special)</td>
</tr>
<tr>
<td>n.</td>
<td>TPX  Triple-Pear-(Special)</td>
</tr>
<tr>
<td>o.</td>
<td>TRX  Triple-Ring-(Special)</td>
</tr>
<tr>
<td>p.</td>
<td>TX   Triple-(Special)</td>
</tr>
<tr>
<td>q.</td>
<td>TEN  Triple-Endless</td>
</tr>
<tr>
<td>r.</td>
<td>Magnet Chain Magnet Chain</td>
</tr>
</tbody>
</table>

### 4. Four Leg

<table>
<thead>
<tr>
<th>Letter</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>a.</td>
<td>QOG  Quad-Oblong-Grab</td>
</tr>
<tr>
<td>b.</td>
<td>QPG  Quad-Pear-Grab</td>
</tr>
<tr>
<td>c.</td>
<td>QRG  Quad-Ring-Grab</td>
</tr>
<tr>
<td>d.</td>
<td>QOL  Quad-Oblong-Shur-Loc</td>
</tr>
<tr>
<td>e.</td>
<td>QPL  Quad-Pear-Shur-Loc</td>
</tr>
<tr>
<td>f.</td>
<td>QRL  Quad-Ring-Shur-Loc</td>
</tr>
<tr>
<td>g.</td>
<td>QOF  Quad-Oblong-Foundry</td>
</tr>
<tr>
<td>h.</td>
<td>QPF  Quad-Pear-Foundry</td>
</tr>
<tr>
<td>i.</td>
<td>QRF  Quad-Ring-Foundry</td>
</tr>
<tr>
<td>j.</td>
<td>QOS  Quad-Oblong-Sling</td>
</tr>
<tr>
<td>k.</td>
<td>QPS  Quad-Pear-Sling</td>
</tr>
<tr>
<td>l.</td>
<td>QRS  Quad-Ring-Sling</td>
</tr>
<tr>
<td>m.</td>
<td>QOX  Quad-Oblong-(Special)</td>
</tr>
<tr>
<td>n.</td>
<td>QPX  Quad-Pear-(Special)</td>
</tr>
<tr>
<td>o.</td>
<td>QRX  Quad-Ring-(Special)</td>
</tr>
<tr>
<td>p.</td>
<td>QX   Quad-(Special)</td>
</tr>
<tr>
<td>q.</td>
<td>QEN  Quad-Endless</td>
</tr>
</tbody>
</table>

---

138
Grade
  a. 63
  b. 80
  c. 100
  d. 120
  e. Carbon

Construction Type
  a. Mechanical
  b. Welded

Proof Tested

b. Round Slings
   Type
     a. Endless
     b. Bridle - Adjustable
     c. Bridle - Non-Adjustable
     d. Bridle - Single
     e. Bridle - Double
     f. Bridle - Triple
     g. Bridle - Quad
     h. Eye and Eye
     i. Other (Specify)

Rated Capacity
  a. 2600
  b. 5300
  c. 8400
  d. 10000
  e. 10600
  f. 13200
  g. 15000
  h. 16800
  i. 20000
  j. 21200
  k. 25000
  l. 30000
  m. 31000
  n. 40000
  o. 50000
  p. 53000
  q. 60000
  r. 66000
  s. 70000
  t. 85000
  u. 90000
  v. 100000
  w. 125000
  x. 150000
  y. 175000
  z. 200000
aa. 250000
bb. 275000
cc. 300000
dd. 400000
ee. 500000
ff. Other (Specify)

Type
Proof Tested
Manufacturer Code
c. Wire Rope Slings
Core Type
  a. IWRC
  b. Fibre

Construction Type
  a. 6 x 19
  b. 6 x 37
  c. 8 x 19
  d. 7 x 6 x 19 (cable laid)
  e. 7 x 6 x 36 (cable laid)
  f. 7 x 7 x 7 (cable laid)
  g. 7 x 7 x 19 (cable laid)
  h. Multi-part: 3 part
  i. Multi-part: 4 part
  j. Multi-part: 5 part
  k. Multi-part: 6 part
  l. Multi-part: 7 part
  m. Multi-part: 8 part
  n. Multi-part: 9 part

Splice Type
  a. Hand Spliced
  b. Hand Spliced - Flemish
  c. Mechanical Spliced
  d. Duplex Sleeve

Rope Size
  a. 1/4
  b. 5/16
  c. 3/8
  d. 7/16
  e. 1/2
  f. 9/16
  g. 5/8
  h. 3/4
  i. 7/8
  j. 1
  k. 1-1/8
  l. 1-1/4
  m. 1-3/8
  n. 1-1/2
o. 1-5/8
p. 1-3/4
q. 1-7/8
r. 2
s. 2-1/8
t. 2-1/4
u. 2-3/8
v. 2-1/2
w. 2-5/8
x. 2-3/4
y. 2-7/8
z. 3

Sling Top
a. E (Eye)
b. Thimble Eye
c. Oblong Master w/ Thimble
d. Oblong Master no Thimble
e. Pear Master w/ Thimble
f. Pear Master no Thimble
g. Soft Eye
h. H (Hook)
i. S (Slip through thimble)
j. CR
k. X (Special)

Sling Bottom
a. E (Eye)
b. Thimble Eye
c. Oblong Master w/ Thimble
d. Oblong Master no Thimble
e. Pear Master w/ Thimble
f. Pear Master no Thimble
g. Soft Eye
h. H (Hook)
i. S (Slip through thimble)
j. CR
k. X (Special)

Number of Legs
a. Single Leg
b. Two Leg
c. Three Leg
d. Four Leg
e. Grommet Sling: Cable laid hand tucked grommet
f. Grommet Sling: Cable laid mechanical spliced grommet
g. Grommet Sling: Strand laid hand tucked grommet
h. Grommet Sling: Strand laid mechanical spliced grommet
i. Multi-Part Grommet

Length
Proof Tested
4. Blocks
   a. Mobile Crane Block
   b. Bridge Crane Block
   c. Scrap Yard Block
   d. Snatch Block
   e. Derrick Hoist Block
   f. Construction Block
   g. Tilt-Up Block
   h. Tubing Block
   i. Drilling Block
   j. General Oilfield Block
   k. Overhaul Ball
   l. Block (User-defined)

5. Hoist Rings
   a. Hoist Ring
   b. Hoist Ring (User-defined)

Catalog Code / Product Description
   a. R100  Pivot Hoist Ring
   b. HR1000 Heavy Duty Hoist Ring
   c. HR1000M Metric Heavy Duty Hoist Ring
   d. HR100M Metric Pivot Hoist Ring
   e. HR1200 Side Pull Hoist Ring
   f. HR1200M Metric Side Pull Hoist Ring
   g. HR125 Engineered Hoist Ring
   h. HR125C Hoist Ring For Chain
   i. HR125M Metric Engineered Hoist Ring
   j. HR125W Hoist Ring For Synthetics
   k. HR500 Trench Cover Hoist Ring
   l. SS125 Stainless Steel Hoist Ring
   m. SS125M Metric Stainless Steel Engineered Hoist Ring

6. Plate Clamps
   a. Locking Clamp
   b. Non-Locking Clamp
   c. Non-Marring Clamp
   d. Specialty Clamp
   e. Clamp (User-defined)

Catalog Code / Product Description
   a. Locking Clamp
      i.  IP10 Vertical Lifting Clamp -Straight Eye
      ii. IP10H Vertical Lifting Clamp -Straight Eye For Hard Surfaces
      iii. IP10J Vertical Lifting Clamp -Straight Eye w/Large Jaw Opening
      iv.  IP10S Vertical Lifting Clamp -Straight Eye For Stainless Steel Surfaces
      v.   IPBHZZ Beam Clamp For Horizontal Transfer w/Pretension Lock
      vi.  IPBKZ Beam Clamp w/Hoisting Eye and Pretension Lock
      vii. IPBSNZ Beam Clamp
      viii. IPHGUZ Horizontal Lifting Clamp -Universal Eye w/Pretension Lock
      ix.  IPHGZ Horizontal Lifting Clamp -Straight Eye w/Pretension Lock
      x.   IPU10 Vertical Lifting Clamp -Universal Eye
xi. IPU10H  Vertical Lifting Clamp - Universal Eye For Hard Surfaces
xii. IPU10J Vertical Lifting Clamp - Universal Eye w/Large Jaw Opening
xiii. IPU10S Vertical Lifting Clamp - Universal Eye For Stainless Steel Surfaces
xiv. IPVUZ Beam Clamp For Vertical Lift & Transfer w/Pretension Lock
xv. IPVZ  Vertical Lifting Clamp w/Standard Eye

b. Non-Locking Clamp
   i. IPBC  Beam Clamp For Horizontal Transfer w/Pretension Lock
   ii. IPH10 Horizontal Lifting Clamp - Straight Eye w/Spring
   iii. IPHOZ Horizontal Lifting Clamp For Sagging Material
   iv. IPHSZ Horizontal Lifting Clamp w/Large Jaw Opening
   v. IPHTONZ Horizontal Lifting Clamp w/Standard Jaw Opening

c. Non-Marring Clamp
   i. IPHNM10 Horizontal Non-Marring Lifting Clamp w/Straight Eye
   ii. IPNM10 Non-Marring Vertical Lifting Clamp
   iii. IPNM10J Vertical Non-Marring Lifting Clamp

d. Specialty Clamp
   i. IPBUUZ Ship Building Clamp - Universal Eye
   ii. IPBUZ  Ship Building Clamp - Straight Eye
   iii. IPDV Drum Clamp For Vertical Lift & Transfer
   iv. IPSC  Positioning Clamp
   v. IPTK  Beam Clamp w/Hoisting Eye
   vi. IPTKW  Beam Clamp w/o Hoisting Eye
   vii. IPVK  Drum Clamp For Vertical Lift & Transfer

7. Shackles
   a. Shackle
   b. Sling Saver Shackle
   c. Shackle (User-defined)
   d. Shackle
      i. G209  Screw Pin Anchor Shackle Maxtough®
      ii. G209A Alloy Screw Pin Anchor Shackle
      iii. G210  Screw Pin Chain Shackle Maxtough®
      iv. G213  Round Pin Anchor Shackle Maxtough®
      v. G2130 Bolt Type Anchor Shackle Maxtough®
      vi. G2130CT COLD TUFF® Anchor Shackle
      vii. G2140 Alloy Bolt Type Anchor Shackle
      viii. G2140CT Alloy COLD TUFF® Anchor Shackle
      ix. G215  Round Pin Chain Shackle Maxtough®
      x. G2150 Bolt Type Chain Shackle Maxtough®
      xi. G2160 "Wide Body" Anchor Shackle
      xii. S209  Screw Pin Anchor Shackle Maxtough®
      xiii. S210  Screw Pin Chain Shackle Maxtough®
      xiv. S213  Round Pin Anchor Shackle Maxtough®
      xv. S2130 Bolt Type Anchor Shackle Maxtough®
      xvi. S2131 Trawling Shackle
      xvii. S2140 Alloy Bolt Type Anchor Shackle
      xviii. S215  Round Pin Chain Shackle Maxtough®
      xix. S2150 Bolt Type Chain Shackle Maxtough®
      xx. S2160 "Wide Body" Anchor Shackle
e. Sling Saver Shackle
   i. S237 High Performance Sling Connector
   ii. S238 High Performance Sling to Sling Connector
   iii. S252 Sling Saver Round Sling Bolt Type Sling Shackle
   iv. S253 Sling Saver Screw Pin Shackle
   v. S280 Sling Saver Web Connector
   vi. S281 Sling Saver Web Sling Shackle
   vii. S282 Sling Saver Web / Chain Connector

Other Menu Options

1.  **(General)**
   a. Create New Database – Allows creation of a new local or network database for a given distributor.
   b. Open Existing Database – Allows opening of an existing local or network database.
   c. Backup/Save As – Allows backup/export of current distributor database.
   d. Merge Database – Allows merging of a local or network database with the current distributor database.

2. **Reporting**
   a. Report Type
      i. Inspections
         Shows Inspection records for Active products within the specified date range. A Product Type may be specified, or <All> product types may be specified, in which case a separate report will be created for each product type that has inspections. Only scheduled inspections, or repair inspection, will be displayed on the Inspection report. Inspection records of a product's creation, deactivation or reactivation will not appear on this report. Product property information and defect criteria will be displayed on the report, and defects noted will be indicated on the report. At the end of each Product Type report, a pie chart will be displayed, indicating the ratio of Inspection records that are marked as having a status of Ok, Replace, and Repair.
      ii. Missing
         Shows items that do not have Inspection records within the specified date range for the specified End User. A Product Type may be specified, or <All> product types may be specified, in which case a separate report will be created for each product type that does not have inspections in the given date range.
      iii. Damaged
         Same report fields as the “Inspections” report, above, except only Inspection records that are marked as having a status of Replace or Repair are present on the report.
      iv. Repaired
         Same report fields as the “Inspections” report, above, except only Inspection records that are marked as having a state of Repaired are present on the report.
v. History

Shows all Inspection records within the specified date range, including records of a repair. Entering a serial number specifies the product or leaving serial number empty, specifies that all products are to be included in the report. Product property information and defect criteria will be displayed on the report, and defects noted will be indicated on the report.

vi. Pre-Inspection

Shows all Active products that are due for an inspection within the specified date range. A subset of products can be reported by using the filter options for Next Projected Inspection Date, Product Type and Location.

b. Select Logo
   i. JPG
   ii. BMP
   iii. GIF
   iv. TIFF
## Appendix - Inspection Standards

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<tr>
<td>Wire Rope Sling</td>
<td>ASME B30.9 &quot;Slings&quot;</td>
</tr>
<tr>
<td>Round Sling</td>
<td>ASME B30.9 &quot;Slings&quot;</td>
</tr>
<tr>
<td>Shackle</td>
<td>ASME B30.26 &quot;Rigging Hardware&quot;</td>
</tr>
<tr>
<td>Hoist Ring</td>
<td>ASME B30.26 &quot;Rigging Hardware&quot;</td>
</tr>
<tr>
<td>Block - Mobile Crane</td>
<td>ASME B30.5 &quot;Mobile and Locomotive Cranes&quot;</td>
</tr>
<tr>
<td>Block - Bridge Crane</td>
<td>HST4 &quot;Performance Standard for Electric Overhead Wire Rope Hoist&quot;</td>
</tr>
<tr>
<td>Block - Scrap Yard</td>
<td>ASME B30.5 &quot;Mobile and Locomotive Cranes&quot;</td>
</tr>
<tr>
<td>Block - Snatch</td>
<td>ASME B30.26 &quot;Rigging Hardware&quot;</td>
</tr>
<tr>
<td>Block - Derrick Hoist</td>
<td>ASME B30.26 &quot;Rigging Hardware&quot;</td>
</tr>
<tr>
<td>Block - Construction</td>
<td>ASME B30.26 &quot;Rigging Hardware&quot;</td>
</tr>
<tr>
<td>Block - Tilt-Up</td>
<td>ASME B30.26 &quot;Rigging Hardware&quot;</td>
</tr>
<tr>
<td>Block - Tubing</td>
<td>API RP 8B &quot;Recommended Practice for Procedures for Inspection, Maintenance, Repair and Remanufacturing of Hoisting Equipment&quot;</td>
</tr>
<tr>
<td>Block - Drilling</td>
<td>API RP 8B &quot;Recommended Practice for Procedures for Inspection, Maintenance, Repair and Remanufacturing of Hoisting Equipment&quot;</td>
</tr>
<tr>
<td>Block - General Oilfield</td>
<td>MANUFACTURER MANUFACTURER</td>
</tr>
<tr>
<td>Block - Overhaul Ball</td>
<td>ASME B30.5 &quot;Mobile and Locomotive Cranes&quot;</td>
</tr>
<tr>
<td>Clamp - Locking</td>
<td>ASME B30.20 &quot;Below the Hook Lifting Devices&quot;</td>
</tr>
<tr>
<td>Clamp - Non-Locking</td>
<td>ASME B30.20 &quot;Below the Hook Lifting Devices&quot;</td>
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<tr>
<td>Clamp - Non-Marring</td>
<td>ASME B30.20 &quot;Below the Hook Lifting Devices&quot;</td>
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<tr>
<td>Clamp - Specialty</td>
<td>ASME B30.20 &quot;Below the Hook Lifting Devices&quot;</td>
</tr>
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Appendix - Desktop Troubleshooting FAQ

<table>
<thead>
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<th>Issue</th>
<th>Resolution</th>
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</table>
| Throughout the program, various text input boxes (and other user controls) appear to be cut off. | QUIC-CHECK® Plus supports the default Windows DPI setting of 96 DPI. To verify/modify the dpi setting, first access the Windows Control Panel. Double-click Display to open the display properties dialog. Go to the Settings tab and press the Advanced button. On the General tab of the Advanced properties, verify the selected DPI setting is “Normal size (96 DPI)”.  

*Changing this setting will require you to log out of Windows for the new setting to be fully applied. Note that this setting will apply to all applications run in Windows, and cannot be limited only to QUIC-CHECK® Plus. |

Appendix - Mobile Device Troubleshooting Tips

I can't find the Pocket QUIC-CHECK® application on my Mobile Device. What's wrong?

If you are unable to find the Pocket QUIC-CHECK® application on your Mobile Device, it could be because the Mobile Device has not yet been synchronized with your desktop PC yet. The first-time Mobile Device synchronization installs the Pocket QUIC-CHECK® application as well as places a copy of your QUIC-CHECK® Plus data on the Mobile Device.

Be sure the synchronization is performed inside the desktop QUIC-CHECK® Plus application, from the “Mobile” tab. While your Mobile Device may indicate synchronization is complete just after you plug it in to the desktop PC, this is misleading. Microsoft Windows and Outlook are also capable of synchronizing with a Mobile Device, and this may be what you’re being informed about. If you’re not synchronizing from the desktop QUIC-CHECK® Plus application, you’re not synchronizing your QUIC-CHECK® Plus data.

See the section titled Mobile Device Software Instructions for more information on how to synchronize your Mobile Device for the first time.

How do I reset my Mobile Device?

Sometimes it is necessary to reset your Mobile Device. This can be done in one of two ways, depending on the problems you may be experiencing.
Method 1: “Soft” reset
A “soft” reset stops all running applications, but does not erase any data. Therefore it should be the first approach to correcting a problematic Mobile Device.
Perform a soft reset if:
  - The Mobile Device “freezes” or otherwise stops responding to your input
  - The RFID reader won’t read or write to QUIC-CHECK® tags
  - The Mobile Device becomes “sluggish” or takes a long time to respond to your input

To perform a soft reset:
1. Locate the recessed Reset button on the bottom of your Mobile Device (it will look like a pinhole). Consult your Mobile Device’s user manual if you can’t locate the button.
2. Use the stylus tip to lightly press the Reset button

The Mobile Device restarts and displays the Today screen.

Method 2: “Clean” reset
A “clean” reset erases all user-installed programs and data, returning the Mobile Device to its factory condition. Therefore it should only be used as a last resort. Note that the Pocket QUIC-CHECK® application will need to be re-installed after this procedure.

Warning: This procedure will erase all user data, including the Pocket QUIC-CHECK® database. If you have unsynchronized data on your Mobile Device, attempt the procedure summarized in “Manually moving a Pocket QUIC-CHECK® database” to preserve a copy of the database. However, depending on the problems you’re experiencing, the procedure may not be possible.

Perform a clean reset if:
  - You’ve already tried a “soft” reset and it didn’t correct the problem
  - You’re experiencing synchronization problems such as:
    - The desktop application doesn’t recognize the Mobile Device as being plugged in or available
    - The desktop application repeatedly experiences errors when trying to synchronize data
  - The mobile application won’t open

To perform a clean reset:
1. Locate and hold a special combination of buttons:
   i. **SocketMobile 650**: Press and hold the Left Programmable Application Button, the Calendar and Contacts shortcut buttons.
   ii. **HP iPAQ hx2490**: Press and hold the Calendar button, the Power button and the Messaging button at the same time.
   iii. **HP iPAQ 210**: Press and hold the Windows button, the OK button, and the Voice Recorder button at the same time.
   iv. **Other Mobile Device brands/models**: Consult the user manual that came with your Mobile Device.
2. While holding the three buttons, using the tip of your stylus, lightly press the Reset button inside the hole on the bottom of the Mobile Device and then release. (For HP models, keep the reset button pressed in for 2 seconds, then release.)
3. Keep pressing all three buttons until a splash screen appears with the Mobile Device logo and then disappears. After the splash screen disappears, release the three buttons and follow the onscreen instructions.

   Note: As this procedure is difficult for one person to perform, you may want to have someone help you.

Note that you will need to reset the Time and Date, as well as re-enter any owner information or preferences.

Once the Mobile Device displays the Today screen, connect it to the computer running the desktop application and perform a synchronization to reinstall the Pocket QUIC-CHECK® application.

Manually Moving a Pocket QUIC-CHECK® Database

In certain cases, it may be necessary to manually move or copy the Pocket QUIC-CHECK® database from the Mobile Device to a new location (for example, the Mobile Device needs to perform a “clean” reset). To do this, the Mobile Device needs to be connected to the desktop computer via Windows Mobile Device Center or ActiveSync

1. If the appropriate icon is visible in the desktop computer’s system tray, double-click the icon. If it’s not visible, point to the Start Menu, then point to All Programs > Microsoft Windows Mobile Device Center (or ActiveSync if on Windows XP).

2. For Windows Mobile Device Center:
   a. Once the Mobile Device Center opens and connects to the Mobile Device, click the “Connect without setting up your device” link.
   b. Under the “File Management” heading, click the “Browse the contents of your device” link
   c. Click on the hard disk represented by a single slash “\” (usually on the far left)

3. For ActiveSync:
   a. Once the ActiveSync window opens, click the Explore toolbar button. This opens the Mobile Device window and allows you to browse the contents of the Mobile Device.
   b. In the Mobile Device window, locate the item named “My Windows Mobile-Based Device” and double-click it.

4. Now double-click the folder named “Program Files,” then double-click the folder named “Pocket QUIC-CHECK”.

5. Locate the file named “quicheckdb.sdf.” This is the Pocket QUIC-CHECK® database.

6. Click and drag the “quicheckdb.sdf” file from the Mobile Device window to a location on the desktop computer (a folder on the Desktop, for example). The database file will be copied to this location.

7. The copied database file can be merged on the desktop (“Merge Database…”) or copied back to the Mobile Device at a later time.

Troubleshooting Mobile Device Synchronization

Synchronization between the QUIC-CHECK® Plus desktop application and Pocket QUIC-CHECK® on the Mobile Device is dependent upon software from Microsoft called Windows Mobile Device Center (for Windows 7 and Windows Vista) or ActiveSync (for Windows 2000 / XP). In many cases, troubleshooting synchronization problems involves troubleshooting Microsoft’s software as well.
Option 1: Pocket QUIC-CHECK is closed, but the desktop application thinks it isn’t
The desktop application checks a setting on the Mobile Device to see if Pocket QUIC-CHECK® is running. If the battery on your Mobile Device was depleted of power while Pocket QUIC-CHECK® was still open, then the flag will still indicate (incorrectly) that Pocket QUIC-CHECK® is currently running.

In this case, the resolution is simple. Just open Pocket QUIC-CHECK® and close it again to set the flag that will allow synchronization.

Option 2: Turning Off the Advanced Network Functionality
Often, a communication problem between the PC and the Mobile Device can be remedied by changing a single setting on the Mobile Device. Following these instructions are images that demonstrate the steps:

1. Go the Start menu of the Mobile Device and click “Settings”

2. Click on the "Connections" tab

3. Click on the icon labeled "USB to PC"
4. Uncheck the "Enable advanced network functionality" checkbox.

Other Options:
1. Have you tried disconnecting the Mobile Device from its cable or cradle, and re-connecting?
2. Have you tried restarting Windows on the desktop PC?
3. Have you tried updating Windows Mobile Device Center or ActiveSync to the latest version? ActiveSync is currently at version 4.5; Windows Mobile Device Center is at version 6.1. Both are available for free download at Microsoft.com.
4. If using ActiveSync, have you tried recreating a partnership between the desktop computer and the Mobile Device?
   a. Disconnect the Mobile Device from the desktop computer.
   b. Open ActiveSync, then point to File > Delete Mobile Device.
   c. Answer “Yes” to the warning dialog that is displayed.
   d. Reconnect the Mobile Device to the desktop computer.
   e. The “Synchronization Setup Wizard” window is displayed. Click the “Next” button.
   f. Choose the types of information you wish to synchronize. Crosby recommends that you uncheck ALL checkboxes to prevent personal information from being stored on the Mobile Device.
   g. Click the “Next” button.
   h. Click the “Finish” button.
5. Have you tried uninstalling the Pocket QUIC-CHECK® application and allowing the desktop application to re-install it?
   a. On the Mobile Device, tap the “Start” menu, and then tap “Settings.”
   b. Tap the “System” tab at the bottom of the screen.
   c. Locate the “Remove Programs” icon in the list, and tap it.
   d. Tap the entry for “The Crosby Group LLC Pocket QUI...” to highlight it, and then click the “Remove” button at the bottom of the screen.
   e. Answer “Yes” to the warning message.
   f. Tap the “ok” button in the top right corner of the screen. Then tap the “X” button in the top right corner.
   g. On the desktop computer, open the QUIC-CHECK® Plus application if it is not already running.
   h. Click the “Mobile” tab, and then click the “Install on Device” button.
   i. Follow the on-screen instructions to complete the re-installation of Pocket QUIC-CHECK®.
6. Have you tried performing a reset on the Mobile Device? See the section How do I reset my Mobile Device?
7. Have you tried removing the RFID scanner and re-synchronizing?
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