



# RescueNet® CaseReview HL7 Service HWSW Specification

VERSION 1.0 APRIL 2019

## **Table of Contents**

Introduction	1
Important Information	1
RescueNet CaseReview HL7 Service	2
Use Model	3
Installation Model	4
RescueNet CaseReview HL7 Service Hardware	5
RescueNet CaseReview HL7 Service	5
Operating System Version	5
Third Party Software	6
Windows Updates and Service Packs	6
Required Windows Components	6
Remote Access	6
Getting Help	7

# Introduction

Use this guide for hardware and third party software purchases for the required infrastructure to implement RescueNet CaseReview HL7 Service in your organization.

You can get the most from RescueNet CaseReview HL7 Service by ensuring that your hardware and software infrastructure meets, or exceeds, the minimum requirements outlined in these specifications. Additionally, an infrastructure based on these specifications ensures the most cost-effective and seamless upgrade path for future expansion.

## Important Information



**Note:** It is your responsibility to purchase, install, and license third party software outlined in this document.



### **Important Information:**

- **Minimum recommendations:** These specifications are minimum recommendations. If you add additional services/devices, remote users, etc. to your system, you will need to upgrade the specifications.
- **Hardware/network installation and support:** ZOLL does not provide system hardware or network installation and support. We highly recommend the use of a Microsoft Certified System Engineer (MCSE) to assist with the installation, configuration, and testing of all hardware and network software.
- **Pre-installation requirement:** To maximize the benefits of your deployment, your Wi-Fi network and domain name system (DNS) must be setup and functioning properly before you install ZOLL products.
- **Specification subject to change:** These specifications are subject to change without notice. Please contact ZOLL to ensure you have the latest version of this document.

# RescueNet CaseReview HL7 Service

RescueNet CaseReview HL7 Service enables your organization to more easily integrate PDF reports generated by RescueNet CaseReview into the hospital EMR by adding an HL7 wrapper. The service can be customized to specify which reports to generate, which HL7 version to use, and where to store the files.

RescueNet CaseReview HL7 Service runs on a standalone server as a Windows Service coupled with an administration utility.

RescueNet CaseReview HL7 tightly integrates several key components:

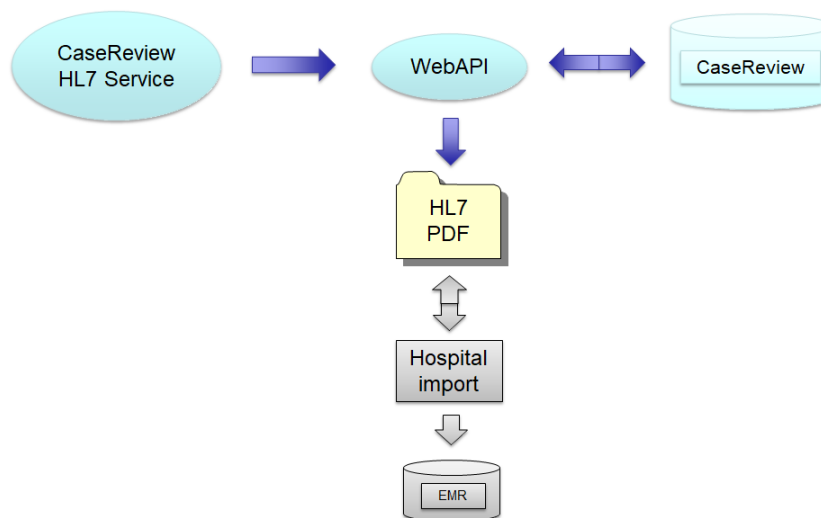
- **ZOLL defibrillators:** Featuring ZOLL's hallmark durability, quality, and value, these advanced technology devices capture information about a patient case and submit the data up to a server.
- **ZOLL Data Exchange Service:** Listens for data submissions from a supported ZOLL Defibrillator and forwards the data to RescueNet CaseReview to be stored in the database.
- **RescueNet CaseReview:** A browser-based application for the management of defibrillator cases - includes upload, download, export, searching, tagging, detailed CPR analysis, and case editing.
- **RescueNet CaseReview WebAPI:** Listens for requests to import and export data from the RescueNet CaseReview database.
- **RescueNet CodeWriter:** A mobile device application for documenting in-hospital cardiac arrests. The documentation files are linked to a defib case and then transmitted and stored in the RescueNet CaseReview database.
- **RescueNet CaseReview HL7 Service Configuration Utility:** RescueNet CaseReview HL7 Service includes a utility that allows for the configuration of security credentials to access CaseReview data, the HL7 version desired, the specific reports desired, the output folders, and polling frequency used by the RescueNet CaseReview HL7 Service.



**Note:** RescueNet CaseReview is a required component which serves as the data source for the RescueNet CaseReview HL7 Service. RescueNet CaseReview can reside either In-Premise or in the Cloud.

# Use Model

RescueNet CaseReview HL7 Service automatically requests HL7 wrapped PDFs for new cases recently uploaded to the RescueNet CaseReview system and places them in a specified folder on the hospital network. A third-party application can monitor this folder and import the HL7 PDFs into the hospital EMR.



The following steps outline the data flow and sequence of operations:

1. RescueNet CaseReview HL7 Service polls the CaseReview WebApi periodically at the configured interval looking for a case with an upload date/time greater than the last polled time. If CodeWriter is enabled, it will look for CodeWriter cases. If CodeWriter is not enabled, it will look for defibrillator cases.
2. The CaseReview WebApi returns a list of cases which meet the search criteria. RescueNet CaseReview HL7 Service then requests all the HL7 wrapped PDFs available for those cases.
3. Depending on how the RescueNet CaseReview HL7 Service is configured, only the desired reports with the specified HL7 version are saved to the specified network folder. If a Patient ID is present, the HL7 reports are considered valid and will have the Patient ID in the filename and the file will have a .txt extension. If the Patient ID is missing, the file will have an .err extension.
4. A client application provided by the hospital (or a manual user) monitors the network folder for new HL7 reports and imports them into the EMR.



**Note:** If CodeWriter is enabled, the Vital Trend and Full Disclosure reports will only be generated when the CodeWriter case has been previously linked to a defibrillator case, i.e. on the CodeWriter mobile device.

# Installation Model

ZOLL recommends that you install RescueNet CaseReview HL7 Service on the same machine that ZOLL Data Exchange Service is installed on within the hospital network.

# RescueNet CaseReview HL7 Service Hardware

## RescueNet CaseReview HL7 Service

ZOLL recommends a server-class machine.

Minimum System Requirements	
Processors	x64 Processor
Memory	8 GB of RAM or greater
Disk Space	100 GB or greater

### Operating System Version

ZOLL supports the following Operating Systems:

- Microsoft Windows 2012 R2 Standard or Datacenter Edition
- Microsoft Windows 2016 Standard or Datacenter Edition

## Third Party Software

RescueNet CaseReview HL7 Service requires certain third party software to function. ZOLL is not responsible for support or maintenance of any third party software used in conjunction with RescueNet CaseReview HL7 Service. Ensure that you have a valid maintenance and support agreement with all third party software providers.

## Windows Updates and Service Packs

ZOLL recommends that you install all security updates provided by Microsoft.

The following Windows updates are required. You must install them before you install the RescueNet CaseReview HL7 Service software:

- **Microsoft .NET Framework 4.6.2.** The .NET Framework must be installed before any other components and / or RescueNet CaseReview HL7 Service is installed. The .NET Framework can be downloaded from Microsoft's download site at <http://www.microsoft.com/downloads>.

## Required Windows Components

N/A

## Remote Access

To enhance our ability to support RescueNet CaseReview HL7 Service installations in distant locations, ZOLL has elected to use LogMeIn® to facilitate remote connections to customer sites. By using this software, ZOLL is able to more efficiently diagnose, repair and address issues or concerns. Connection to the internet is required to hold a LogMeIn support session.



# Getting Help

## **US/Canada**

Monday – Friday from 8:30 AM to 6:00 PM EST

Call direct: 978-421-9655

Toll free: 800-348-9011

Email: [SupportData@zoll.com](mailto:SupportData@zoll.com)

## **International**

Email support is available Monday – Friday 8:30 AM to 6:00 PM EST

[Tservicemaster@zoll.com](mailto:Tservicemaster@zoll.com)

Or, call your nearest regional office