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A	1 November 2012	Internal Release
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C	10 January 2013	Per SPR HCSDM00174744, the following updates are made: - Re-layout the manual - Added information about Configuration for PDF Import
D	22 July 2013	Per SPR HCSDM00221948, a new chapter titled: <i>Connecting the MAC 1200 System</i> was added.

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To access Original Equipment Manufacturer (OEM) manuals, go to the device manufacturer's Web site.

Service Manual Language Information

WARNING (EN)	This service manual is available in English only. - If a customer's service provider requires a language other than English, it is the customer's responsibility to provide translation services. - Do not attempt to service the equipment unless this service manual has been consulted and is understood. - Failure to heed this warning may result in injury to the service provider, operator, or patient, from electric shock, mechanical or other hazards.
ПРЕДУПРЕЖДЕНИЕ (BG)	Това упътване за работа е налично само на английски език. - Ако доставчикът на услугата на клиента изиска друг език, задължение на клиента е да осигури превод. - Не използвайте оборудването, преди да сте се консултирали и разбрали упътването за работа. - Неспазването на това предупреждение може да доведе до нараняване на доставчика на услугата, оператора или пациент в резултат на токов удар или механична или друга опасност.
警告 ZH-CN	本维修手册仅提供英文版本。 - 如果维修服务提供商需要非英文版本，客户需自行提供翻译服务。 - 未详细阅读和完全理解本维修手册之前，不得进行维修。 - 忽略本警告可能对维修人员，操作员或患者造成触电、机械伤害或其他形式的伤害。
警告 (ZH-TW)	本維修手冊只提供英文版。 - 如果客戶的維修人員有英語以外的其他語言版本需求，則由該客戶負責提供翻譯服務。 - 除非您已詳閱本維修手冊並了解其內容，否則切勿嘗試對本設備進行維修。 - 不重視本警告可能導致維修人員、操作人員或病患因電擊、機械因素或其他因素而受到傷害。

Service Manual Language Information (cont'd.)

UPOZORENJE (HR)	Ove upute za servisiranje dostupne su samo na engleskom jeziku. • Ukoliko korisnički servis zahtijeva neki drugi jezik, korisnikova je odgovornost osigurati odgovarajući prijevod. • Nemojte pokušavati servisirati opremu ukoliko niste konzultirali i razumjeli ove upute. • Nepoštivanje ovog upozorenja može rezultirati ozljedama servisnog osoblja, korisnika ili pacijenta prouzročenim električnim udarom te mehaničkim ili nekim drugim opasnostima.
VAROVÁNÍ (CS)	Tento provozní návod existuje pouze v anglickém jazyce. • V případě, že externí služba zákazníkům potřebuje návod v jiném jazyce, je zajištění překladu do odpovídajícího jazyka úkolem zákazníka. • Nesnažte se o údržbu tohoto zařízení, aniž byste si přečetli tento provozní návod a pochopili jeho obsah. • V případě nedodržování této varování může dojít k poranění pracovníka prodejního servisu, obslužného personálu nebo pacientů vlivem elektrického proudu, respektive vlivem mechanických či jiných rizik.
ADVARSEL (DA)	Denne servicemanual findes kun på engelsk. • Hvis en kundes tekniker har brug for et andet sprog end engelsk, er det kundens ansvar at sørge for oversættelse. • Forsøg ikke at servicere udstyret medmindre denne servicemanual har været konsulteret og er forstået. • Manglende overholdelse af denne advarsel kan medføre skade på grund af elektrisk, mekanisk eller anden fare for tekniker, operatøren eller patienten.
WAARSCHUWING (NL)	Deze service manual is alleen in het Engels verkrijgbaar. • Indien het onderhoudspersoneel een andere taal nodig heeft, dan is de klant verantwoordelijk voor de vertaling ervan. • Probeer de apparatuur niet te onderhouden voordat deze service manual geraadpleegd en begrepen is. • Indien deze waarschuwing niet wordt opgevolgd, zou het onderhoudspersoneel, de gebruiker of een patiënt gewond kunnen raken als gevolg van een elektrische schok, mechanische of andere gevaren.
HOIATUS (ET)	Käesolev teenindusjuhend on saadaval ainult inglise keeles. • Kui klienditeeninduse osutaja nõuab juhendit inglise keelest erinevas keeles, vastutab klient tõlketeenuse osutamise eest. • Ärge üritage seadmeid teenindada enne eelnevalt käesoleva teenindusjuhendiga tutvumist ja sellest aru saamist. • Käesoleva hoiatuse eiramine võib põhjustada teenuseosutaja, operaatori või patsiendi vigastamist elektrilöögi, mehaanilise või muu ohu tagajärjel.
VAROITUS (FI)	Tämä huolto-ohje on saatavilla vain englanniksi. • Jos asiakkaan huoltohenkilöstö vaatii muuta kuin englanninkielistä materiaalia, tarvittavan käännöksen hankkiminen on asiakkaan vastuulla. • Älä yritä korjata laitteistoa ennen kuin olet varmasti lukenut ja ymmärtänyt tämän huolto-ohjeen. • Mikäli tätä varoitusta ei noudateta, seurauksena voi olla huoltohenkilöstön, laitteiston käyttäjän tai potilaan vahingoittuminen sähköiskun, mekaanisen vian tai muun vaaratilanteen vuoksi.

Service Manual Language Information (cont'd.)

ATTENTION (FR)	Ce manuel technique n'est disponible qu'en anglais. • Si un service technique client souhaite obtenir ce manuel dans une autre langue que l'anglais, il devra prendre en charge la traduction et la responsabilité du contenu. • Ne pas tenter d'intervenir sur les équipements tant que le manuel technique n'a pas été consulté et compris. • Le non-respect de cet avertissement peut entraîner chez le technicien, l'opérateur ou le patient des blessures dues à des dangers électriques, mécaniques ou autres.
WARNUNG (DE)	Diese Serviceanleitung ist nur in englischer Sprache verfügbar. • Falls der Kundendienst eine andere Sprache benötigt, muss er für eine entsprechende Übersetzung sorgen. • Keine Wartung durchführen, ohne diese Serviceanleitung gelesen und verstanden zu haben. • Bei Zuwiderhandlung kann es zu Verletzungen des Kundendiensttechnikers, des Anwenders oder des Patienten durch Stromschläge, mechanische oder sonstige Gefahren kommen.
ΠΡΟΕΙΔΟΠΟΙΗΣΗ (GR)	Το παρόν εγχειρίδιο σέρβις διατίθεται στα αγγλικά μόνο. • Εάν το άτομο παροχής σέρβις ενός πελάτη απαιτεί το παρόν εγχειρίδιο σε γλώσσα εκτός των αγγλικών, αποτελεί ευθύνη του πελάτη να παρέχει υπηρεσίες μετάφρασης. • Μην επιχειρήσετε την εκτέλεση εργασιών σέρβις στον εξοπλισμό εκτός εάν έχετε συμβουλευτεί και έχετε κατανοήσει το παρόν εγχειρίδιο σέρβις. • Εάν δεν λάβετε υπόψη την προειδοποίηση αυτή, ενδέχεται να προκληθεί τραυματισμός στο άτομο παροχής σέρβις, στο χειριστή ή στον ασθενή από ηλεκτροπληξία, μηχανικούς ή άλλους κινδύνους.
FIGYELMEZTETÉS (HU)	Ez a szerviz kézikönyv kizárólag angol nyelven érhető el. • Ha a vevő szerviz ellátója angoltól eltérő nyelvre tart igényt, akkor a vevő felelőssége a fordítás elkészítése. • Ne próbálja elkezdni használni a berendezést, amíg a szerviz kézikönyvben leírtakat nem értelmezték és értették meg. • Ezen figyelmeztetés figyelmen kívül hagyása a szerviz ellátó, a működtető vagy a páciens áramütés, mechanikai vagy egyéb veszélyhelyzet miatti sérülését eredményezheti.
ADVÖRUN (IS)	Þessi þjónustuhandbók er eingöngu fáanleg á ensku. • Ef að þjónustuveitandi viðskiptamanns þarfnast annars tungumáls en ensku, er það skylda viðskiptamanns að skaffa tungumálþjónustu. • Reynið ekki að afgreiða tækið nema þessi þjónustuhandbók hefur verið skoðuð og skilin. • Brot á að sinna þessari aðvörun getur leitt til meiðsla á þjónustuveitanda, stjórnanda eða sjúklingi frá raflosti, vélrænum eða öðrum áhættum.
PERINGATAN (ID)	Manual servis ini hanya tersedia dalam bahasa Inggris. • Jika penyedia jasa servis pelanggan memerlukan bahasa lain selain dari Bahasa Inggris, merupakan tanggung jawab dari penyedia jasa servis tersebut untuk menyediakan terjemahannya. • Jangan mencoba melakukan servis terhadap perlengkapan kecuali telah membaca dan memahami manual servis ini. • Mengabaikan peringatan ini bisa mengakibatkan cedera pada penyedia servis, operator, atau pasien, karena terkena kejut listrik, bahaya mekanis atau bahaya lainnya.

Service Manual Language Information (cont'd.)

AVVERTENZA (IT)	Il presente manuale di manutenzione è disponibile soltanto in Inglese. - Se un addetto alla manutenzione richiede il manuale in una lingua diversa, il cliente è tenuto a provvedere direttamente alla traduzione. - Si proceda alla manutenzione dell'apparecchiatura solo dopo aver consultato il presente manuale ed averne compreso il contenuto. - Il non rispetto della presente avvertenza potrebbe far compiere operazioni da cui derivino lesioni all'addetto, alla manutenzione, all'utilizzatore ed al paziente per folgorazione elettrica, per urti meccanici od altri rischi.
警告 (JA)	このサービスマニュアルは英語版しかありません。 - サービスを担当される業者が英語以外の言語を要求される場合、翻訳作業はその業者の責任で行うものとさせていただきます。 - このサービスマニュアルを熟読し、十分に理解をした上で装置のサービスを行ってください。 - この警告に従わない場合、サービスを担当される方、操作員あるいは患者が、感電や機械的又はその他の危険により負傷する可能性があります。
경고 (KO)	본 서비스 지침서는 영어로만 이용하실 수 있습니다. - 고객의 서비스 제공자가 영어 이외의 언어를 요구할 경우, 번역 서비스를 제공하는 것은 고객의 책임입니다. - 본 서비스 지침서를 참고했고 이해하지 않는 한은 해당 장비를 수리하려고 시도하지 마십시오. - 이 경고에 유의하지 않으면 전기 쇼크, 기계상의 혹은 다른 위험으로부터 서비스 제공자, 운영자 혹은 환자에게 위험을 가할 수 있습니다.
BRĪDINĀJUMS (LV)	Šī apkalpotāju rokasgrāmata ir pieejama tikai angļu valodā. - Ja apkalpošanas sniedzējam nepieciešama informācija citā, nevis angļu, valodā, klienta pienākums ir nodrošināt tās tulkošanu. - Neveiciet aprīkojuma apkopi, neizlasot un nesaprotot apkalpotāju rokasgrāmatu. - Šī brīdinājuma neievērošana var radīt elektriskās strāvas trieciena, mehānisku vai citu risku izraisītu traumu apkopes sniedzējam, operatoram vai pacientam.
ĮSPĖJIMAS (LT)	Šis eksploataavimo vadovas yra prieinamas tik anglų kalba. - Jei kliento paslaugų tiekėjas reikalauja vadovo kita kalba - ne anglų, numatyti vertimo paslaugas yra kliento atsakomybė. - Nemėginkite atlikti įrangos techninės priežiūros, nebent atsižvelgėte į šį eksploataavimo vadovą ir jį supratote. - Jei neatkreipsite dėmesio į šį perspėjimą, galimi sužalojimai dėl elektros šoko, mechaninių ar kitų paslaugų tiekėjui, operatoriui ar pacientui.
ADVARSEL (NO)	Denne servicehåndboken finnes bare på engelsk. - Hvis kundens serviceleverandør trenger et annet språk, er det kundens ansvar å sørge for oversettelse. - Ikke forsøk å reparere utstyret uten at denne servicehåndboken er lest og forstått. - Manglende hensyn til denne advarselen kan føre til at serviceleverandøren, operatøren eller pasienten skades på grunn av elektrisk støt, mekaniske eller andre farer.

Service Manual Language Information (cont'd.)

OSTRZEŻENIE (PL)	Niniejszy podręcznik serwisowy dostępny jest jedynie w języku angielskim. • Jeśli dostawca usług klienta wymaga języka innego niż angielski, zapewnienie usługi tłumaczenia jest obowiązkiem klienta. • Nie należy serwisować wyposażenia bez zapoznania się i zrozumienia niniejszego podręcznika serwisowego. • Niezastosowanie się do tego ostrzeżenia może spowodować urazy dostawcy usług, operatora lub pacjenta w wyniku porażenia elektrycznego, zagrożenia mechanicznego bądź innego.
AVISO (PT-BR)	Este manual de assistência técnica só se encontra disponível em inglês. • Se o serviço de assistência técnica do cliente não for GE, e precisar de outro idioma, será da responsabilidade do cliente fornecer os serviços de tradução. • Não tente reparar o equipamento sem ter consultado e compreendido este manual de assistência técnica. • O não cumprimento deste aviso pode por em perigo a segurança do técnico, operador ou paciente devido a choques elétricos, mecânicos ou outros.
AVISO (PT-PT)	Este manual técnico só se encontra disponível em inglês. • Se a assistência técnica do cliente solicitar estes manuais noutro idioma, é da responsabilidade do cliente fornecer os serviços de tradução. • Não tente reparar o equipamento sem ter consultado e compreendido este manual técnico. • O não cumprimento deste aviso pode provocar lesões ao técnico, ao utilizador ou ao paciente devido a choques eléctricos, mecânicos ou outros.
AVERTISMENT (RO)	Acest manual de service este disponibil numai în limba engleză. • Dacă un furnizor de servicii pentru clienți necesită o altă limbă decât cea engleză, este de datoria clientului să furnizeze o traducere. • Nu încercați să reparați echipamentul decât ulterior consultării și înțelegerii acestui manual de service. • Ignorarea acestui avertisment ar putea duce la rănirea depanatorului, operatorului sau pacientului în urma pericolelor de electrocutare, mecanice sau de altă natură.
ПРЕДУПРЕЖДЕНИЕ (RU)	Настоящее руководство по обслуживанию предлагается только на английском языке. • Если сервисному персоналу клиента необходимо руководство не на английском, а на каком-то другом языке, клиенту следует обеспечить перевод самостоятельно. • Прежде чем приступать к обслуживанию оборудования, обязательно обратитесь к настоящему руководству и внимательно изучите изложенные в нем сведения. • Несоблюдение требований данного предупреждения может привести к тому, что специалисты по обслуживанию, операторы или пациенты получат удар электрическим током, механическую травму или другое повреждение.
UPOZORENJE (SR)	Ovo servisno uputstvo je dostupno samo na engleskom jeziku. • Ako klijentov serviser zahteva neki drugi jezik, klijent je dužan da obezbedi prevodilačke usluge. • Ne pokušavajte da opravite uređaj ako niste pročitali i razumeli ovo servisno uputstvo. • Zanemarivanje ovog upozorenja može dovesti do povređivanja serviser, rukovaoca ili pacijenta usled strujnog udara, ili mehaničkih i drugih opasnosti.

Service Manual Language Information (cont'd.)

VAROVANIE (SK)	Tento návod na obsluhu je k dispozícii len v angličtine. • Ak zákazníkovi poskytovateľ služieb vyžaduje iný jazyk ako angličtinu, poskytnutie prekladateľských služieb je zodpovednosťou zákazníka. • Nepokúšajte sa o obsluhu zariadenia skôr, ako si neprečítate návod na obsluhu a neporozumiete mu. • Zanedbanie tohto varovania môže vyústiť do zranenia poskytovateľa služieb, obsluhujúcej osoby alebo pacienta elektrickým prúdom, mechanickým alebo iným nebezpečenstvom.
OPOZORILO (SL)	Ta servisni priročnik je na voljo samo v angleškem jeziku. • Če ponudnik storitve stranke potrebuje priročnik v drugem jeziku, mora stranka zagotoviti prevod. • Ne poskušajte servisirati opreme, če tega priročnika niste v celoti prebrali in razumeli. • Če tega opozorila ne upoštevate, se lahko zaradi električnega udara, mehanskih ali drugih nevarnosti poškoduje ponudnik storitev, operater ali bolnik.
ADVERTENCIA (ES)	Este manual de servicio sólo existe en inglés. • Si el encargado de mantenimiento de un cliente necesita un idioma que no sea el inglés, el cliente deberá encargarse de la traducción del manual. • No se deberá dar servicio técnico al equipo, sin haber consultado y comprendido este manual de servicio. • La no observancia del presente aviso puede dar lugar a que el proveedor de servicios, el operador o el paciente sufran lesiones provocadas por causas eléctricas, mecánicas o de otra naturaleza.
VARNING (SV)	Den här servicehandboken finns bara tillgänglig på engelska. • Om en kunds servicetekniker har behov av ett annat språk än engelska ansvarar kunden för att tillhandahålla översättningstjänster. • Försök inte utföra service på utrustningen om du inte har läst och förstår den här servicehandboken. • Om du inte tar hänsyn till den här varningen kan det resultera i skador på serviceteknikern, operatören eller patienten till följd av elektriska stötar, mekaniska faror eller andra faror.
UYARI (TR)	Bu servis kılavuzunun sadece İngilizcesi mevcuttur. • Eğer müşteri teknisyeni bu kılavuzu İngilizce dışında bir başka lisandan talep ederse, bunu tercüme ettirmek müşteriye düşer. • Servis kılavuzunu okuyup anlamadan ekipmanlara müdahale etmeyiniz. • Bu uyarıya uyulmaması, elektrik, mekanik veya diğer tehlikelerden dolayı teknisyen, operatör veya hastanın yaralanmasına yol açabilir.

Service Manual Language Information (cont'd.)

ЗАСТЕРЕЖЕННЯ (UK)	Дане керівництво з сервісного обслуговування постачається виключно англійською мовою. • Якщо сервісний інженер потребує керівництво іншою мовою, користувач зобов'язаний забезпечити послуги перекладача. • Не намагайтеся здійснювати технічне обслуговування даного обладнання, якщо ви не читали, або не зрозуміли інформацію, надану в керівництві з сервісного обслуговування. • Недотримання цього застереження може призвести до травмування сервісного інженера, користувача даного обладнання або пацієнта внаслідок електричного шоку, механічного ушкодження або з інших причин невірної обслуговування обладнання.
CẢNH BÁO (VI)	Tài Liệu Hướng Dẫn Sửa Chữa chỉ có bản tiếng Anh. • Nếu các đơn vị cung cấp dịch vụ cho khách hàng yêu cầu một ngôn ngữ nào khác tiếng Anh, thì khách hàng sẽ có trách nhiệm cung cấp các dịch vụ dịch thuật. • Không được sửa chữa thiết bị trừ khi đã tham khảo và hiểu Tài liệu Hướng dẫn Sửa chữa. • Không tuân thủ những cảnh báo này có thể dẫn đến các tổn thương cho người thực hiện sửa chữa, người vận hành hay bệnh nhân, do sốc điện, các rủi ro về cơ khí hay các rủi ro khác.

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1

Introduction

This chapter provides general information required for the proper use of the system and this manual. Familiarize yourself with this information before using the system.

Manual Information

This section provides information for the correct use of this manual.

Keep this manual with the equipment at all times and periodically review it. You should request training assistance from GE Healthcare, if needed.

Intended Audience

This manual is intended for use by the person who is responsible for configuring the GE Healthcare device for the Optima EMS system (also referred to as "the system" throughout this manual).

Manual Purpose

This document provides a detailed description of how to configure your GE Healthcare device (MAC 800, MAC 1600, MAC 5500/3500) to connect to your system for data transmission.

Document Conventions

This manual uses the following conventions.

Typographical Conventions

Convention	Description
Bold Text	Indicates keys on the keyboard, text to enter, or hardware items such as buttons or switches on the equipment.
<i>Italicized-Bold Text</i>	Indicates software terms that identify menu items, buttons or options in various windows.
CTRL+ESC	Indicates a keyboard operation. A plus (+) sign between the names of two keys indicates that while holding the first key, you should press and release the second key. For example, Press CTRL+ESC means to press and hold the CTRL key and then press and release the ESC key.

Convention	Description
<space>	Indicates that you must press the spacebar. When instructions are given for typing a precise text string with one or more spaces, the point where you must press the spacebar is indicated as <space>. This ensures that the correct number of spaces is inserted in the correct positions within the literal text string. The purpose of the < > brackets is to distinguish the command from the literal text within the string.
Enter	Indicates that you must press the Enter or Return key on the keyboard. Do not type Enter .
>	The greater than symbol, or right angle bracket, is a concise method to indicate a sequence of menu selections. For example, the statement "From the main menu, select System > Setup > Options to open the Option Activation window" replaces the following: 1. From the main menu, select System to open the System menu. 2. From the System menu, select Setup to open the Setup menu. 3. From the Setup menu, select Options to open the Option Activation window.

Illustrations

All illustrations in the manual are provided as examples only. Depending on system configuration, screens in the manual may differ from the screens on your system.

All patient names and data are fictitious. Any similarity to actual persons is coincidental.

Notes

Notes provide application tips or additional information that, while useful, are not essential to the correct operation of the system. They are called out from the body text through a flag word and indentation, as follows:

NOTE:

The tip or additional information is indented below the **NOTE** flag word.

Responsibility of the Purchaser/Customer

The customer is responsible for providing appropriate desks, chairs, electrical wall outlets, network connections, analog phone lines, and for locating any of the Optima EMS System components described in this manual in compliance with all local, state or national codes.

Additional Assistance

GE Healthcare maintains a trained staff of application and technical experts to answer questions and respond to issues and problems that may arise during the installation, maintenance, and use of this system.

Contact your local GE Healthcare representative to request additional assistance.

MAC Carts Configuration Overview

Carts, which support Order Download, can retrieve orders from the Optima EMS system. You must purchase Order Download as a cart option. The system runs a thread for Order Download for each site. Carts must indicate the site ID, from which the orders are downloaded. If the site ID does not match with the thread, no order is returned.

The following table provides the methods available for transferring data from the Cart to the system. Many of the methods listed in the following table require the purchase and activation of an option on the Cart. Refer to your GE Healthcare sales representative for more information.

ECG Cart Interfaces to the System

ECG Cart	CSI-LAN	CSI-Serial	Shared Folder	DCP
MAC 800 Software Version 1.X.X	✗	✗	✗	
MAC 800 Software Version 2.X.X	✗	✗	✗	✗
MAC 1600	✗	✗	✗	
MAC 3500	✗ ¹	✗		
MAC 5000		✗		
MAC 5500	✗	✗		
¹ This option is available on the MAC 3500 only outside of North America.				

2

Connecting the MAC 1600/MAC 800 Systems to the Optima EMS System

There are three ways to connect the MAC 1600/MAC 800 devices to the Optima EMS system:

- **CSI-LAN**
- **CSI-Serial**
- **Shared Folder**

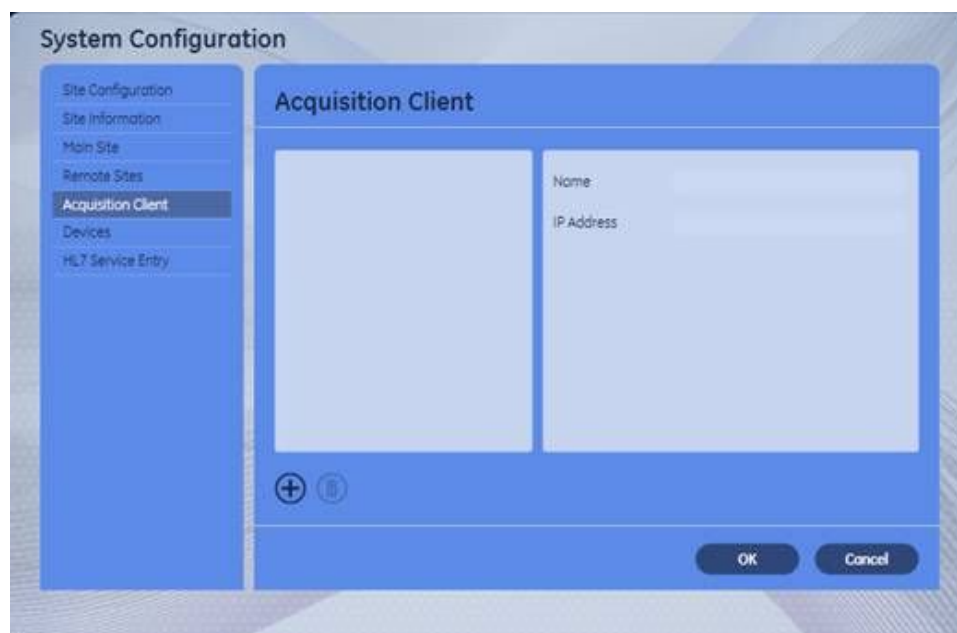
The following instructions use the MAC 800 as an example, but both the MAC 1600 and the MAC 800 UI are the same.

Setting Up the Acq. Client

Before setting up the connection between the device and the Optima EMS system, perform the following procedure in the Optima EMS system client to create Acq. Client:

1. Log on the Optima EMS system.
2. From the **Main** window, click **Configuration > System Configuration**.
The **System Configuration** window opens.

3. Select **Acquisition Client** to open the **Acquisition Client** panel.



4. Click **+** and a new device named **New Acq. Client** listed in the left list.
5. Type the client name in the **Name** field.
6. Type the client computer IP address in the **IP Address** field.
7. Click **OK** to save the modification.

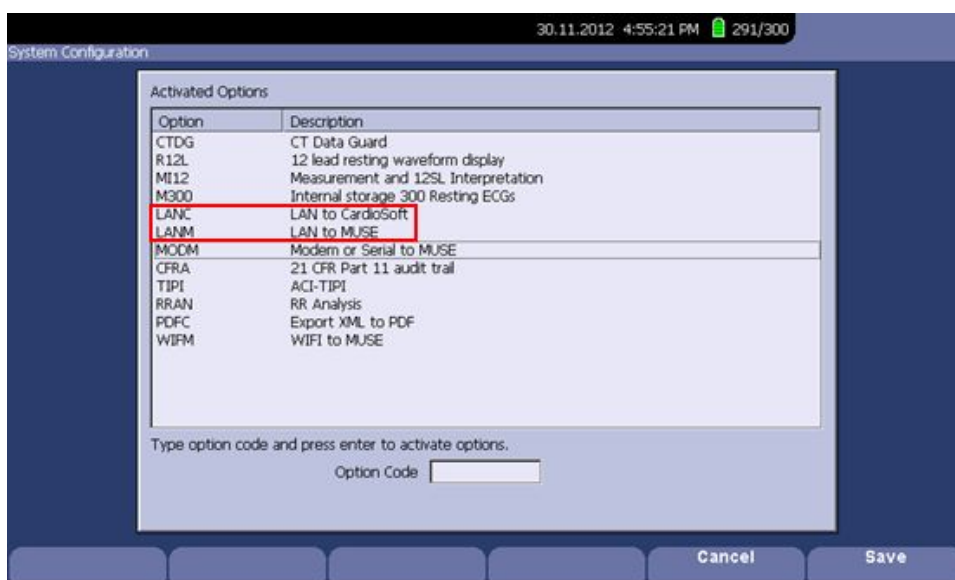
CSI-LAN Connection

Before using a CSI-LAN connection, please make sure that the **LANM** (LAN to MUSE Communication) or **LANC** (LAN to Cadisoftware Communication) option of your MAC 800 device has been purchased and activated.

The following steps describe how to activate the MAC 800 options.

1. Purchase the **LANM** (LAN to MUSE Communication) or **LANC** (LAN to Cadisoftware Communication) option to get the option code.
Please contact GE Healthcare support for detailed information.
2. Power on the MAC 800 system.
3. From the **Main Menu**, press **F4 (System Configuration)** > **F6 (More)** > **F6 (More)** > **F4 (Options Setup)**.
The **Options Setup** window opens.

4. Type the option code in the **Option Code** field.
5. Press **Enter** to activate the option.



Setting Up the Device

NOTE:

Before setting up the device, please make sure that the Ethernet cable has been plugged into the cable socket of the device.

1. Power on the MAC 800 device.
2. From the **Main Menu**, press **F4 (System Configuration)** > **F6 (More)** > **F1 (Communication Setup)**.

The **Data Communication Settings** window opens.

3. Press **F4 (Page Down)** repeatedly until the **Data Communication Locations** window opens.

Entry	Location	Phone Number	Device	Protocol
#1	LAN		LAN	CSI
#2				
#3				
#4				

4. Type the location name in the **Location** field.
5. At the **Device** field, select **LAN** from the drop-down menu.
6. At the **Protocol** field, select **CSI** from the drop-down menu.
7. Press **F4 (Page Down)**.

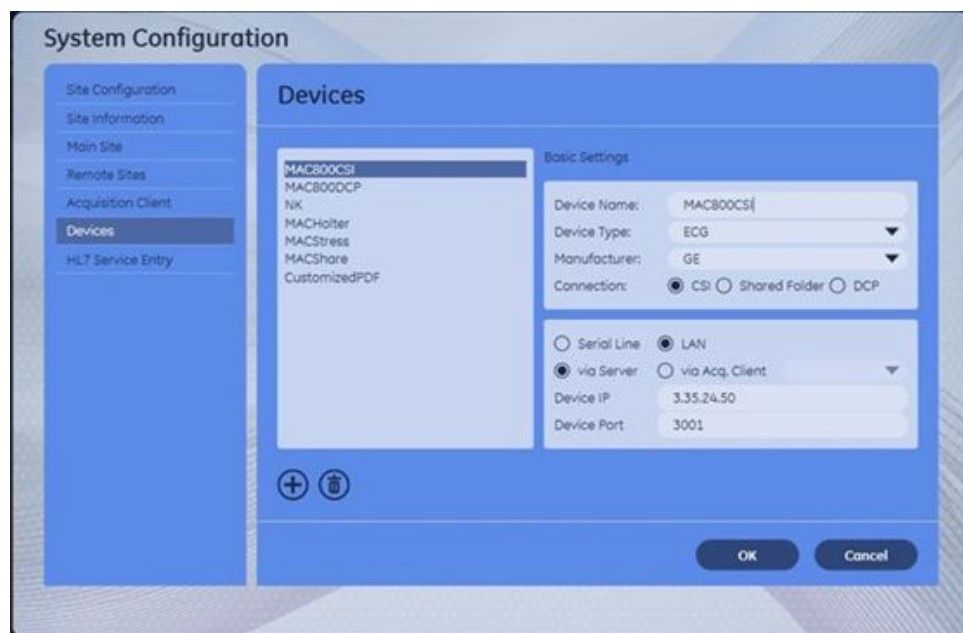
The **Wired LAN Settings** window opens.

Field	Value
Cardiograph Device Name	GE SDS10492422WA
Serial/IP Redirector Listen Port	3001
Obtain an IP address automatically (DHCP)	☒
IP Address	3.35.24.50
Netmask	255.255.255.0
Gateway	3.35.24.254
Obtain DNS server address automatically (DHCP)	☒
Preferred DNS Server	3.35.88.200
Alternate DNS Server	3.36.234.13
Preferred WINS Server	0.0.0.0
Alternate WINS Server	0.0.0.0

8. Record the data in the **Serial/IP Redirector Listen Port** field and the **IP Address** field, which will be used in the Optima EMS system settings.
9. Press **F6 (Save)** to complete the configurations of the MAC 800 device.

Setting Up the Optima EMS System Client

1. Log on to the Optima EMS system client.
2. From the **Main** window, click **Configuration > System Configuration**.
The **System Configuration** window opens.
3. Select **Devices** to open the **Devices** panel.



4. Click the **+** icon.
A new device named **New Device** is created and listed in the devices list.
5. At the **Basic Settings** field, add the following information:
 - **Device Name:** type the ECG device name, for example, **MAC800CSI**.
 - **Device Type:** select **ECG**.
 - **Manufacture:** select **GE**.
 - **Connection:** select **CSI**.
Once **CSI** is selected, the **CSI Configuration** panel opens.
 - Select **LAN** for the connection.
 - Select **via Server/via Acq. Client** according to the following rules
 - **via Server:** the device is set to connect to the Optima EMS Server via LAN
 - **via Acq. Client:** the device is set to connect to the Optima EMS Acquisition Client via LAN
 - Select one Acq. Client from the drop-down list if **via Acq. Client** is selected.

Refer to [“Setting Up the Acq. Client” on page 15](#) for the instructions of creating Acq. Client.

- Type the **IP Address** and **Device Port** you recorded in Step 8 in [“Setting Up the Device” on page 17](#).

6. Click **OK** to save the modification.

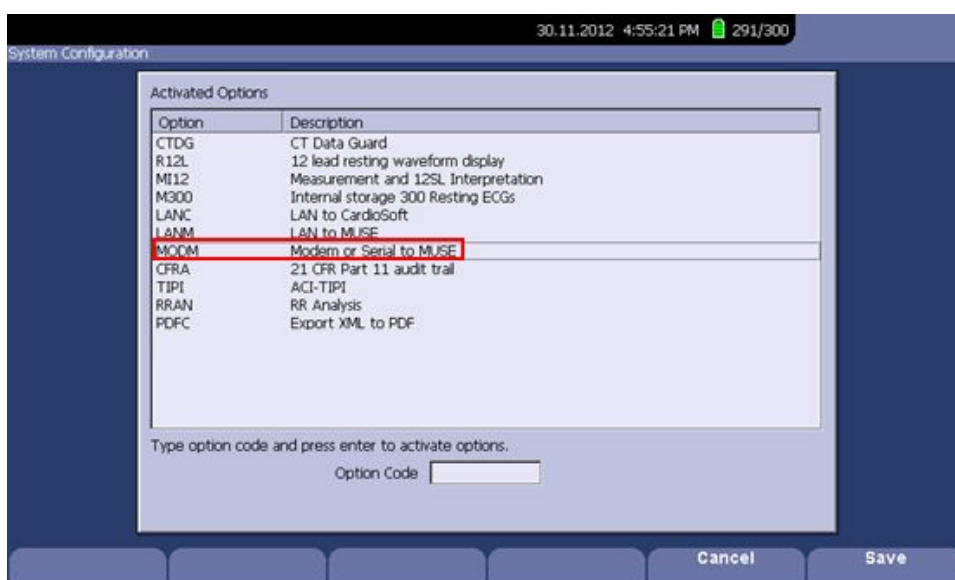
You may now transmit data from the MAC 800 device to the Optima EMS system via a CSI-LAN connection.

CSI-Serial Connection

Before using a CSI-Serial connection, please make sure that the **MODM** (Modem or Serial to Muse) option of your MAC 800 device has been purchased and activated.

The following steps describes how to activate the **MODM** option on your MAC 800 device.

1. Purchase the **MODM** (Modem or Serial to Muse) option to get the option code. Please contact GE Healthcare support for detailed information.
2. Power on the MAC 800 system.
3. From the **Main Menu**, press **F4 (System Configuration)** > **F6 (More)** > **F6 (More)** > **F4 (Options Setup)**.
The **Options Setup** window opens.
4. Type the option code in the **Option Code** field.
5. Press **Enter** to activate the option.



Setting Up the Device

NOTE:

Before setting up the device, please make sure that the serial cable has been plugged into the cable socket of the device.

1. Power on the MAC 800 device.
2. From the **Main Menu**, press **F4 (System Configuration)** > **F6 (More)** > **F1 (Communication Setup)**.

The **Data Communication Settings** window opens.

3. Record the data in the **Serial Baud Rate** field, which will be used in the Optima EMS system settings.

Data Communication Settings

Default Location: Location 1

Export XML: ☐

Serial Baud Rate: 115200

Shared Directory Settings

☒ Allow Export using Shared Directory

Share Name:

Username:

Password:

Confirm:

Domain:

Page Down

Page Down Cancel

4. Press **F4 (Page Down)** repeatedly until the **Data Communication Locations** window opens.

#1	Location	1	Device	Serial	Protocol	CSI
	Phone Number					
#2	Location		Device		Protocol	
	Phone Number					
#3	Location		Device		Protocol	
	Phone Number					
#4	Location		Device		Protocol	
	Phone Number					

Page Down

Page Up Page Down Cancel

5. Type the location name in **Location** field.
6. At the **Device** field, select **Serial** from the drop-down menu.
7. At the **Protocol** field, select **CSI** from the drop-down menu.
8. Press **F6 (Save)** to complete the configurations in the MAC 800 device.

Setting Up the Optima EMS System Client

1. Log on to the Optima EMS system client.
2. From the **Main** window, click **Configuration > System Configuration**.
The **System Configuration** window opens.

3. Select **Devices** to open the **Devices** panel.



4. Click the **+** icon.

A new device named **New Device** is created and listed in the devices list.

5. At the **Basic Settings** field, add the following information:

- **Device Name:** type the ECG device name, for example, **CSI**.
- **Device Type:** select **ECG**.
- **Manufacture:** select **GE**.
- **Connection:** select **CSI**.

Once **CSI** is selected, the **CSI Configuration** panel opens.

- Select **Serial** for the connection.
- Select **via Server/via Acq. Client** according to the following rules
 - **via Server:** the device is set to connect to the Optima EMS Server via COM Port
 - **via Acq. Client:** the device is set to connect to the Optima EMS Acquisition Client via COM Port
- Select one Acq. Client from the drop-down list if **via Acq. Client** is selected. Refer to [“Setting Up the Acq. Client” on page 15](#) for the instructions of creating Acq. Client.
- Choose the **COM Port** which depends on the COM port of the MAC 800 device connecting to the Optima EMS system.
- Type the **Baudrate** you recorded in Step 3 in [“Setting Up the Device” on page 21](#).

6. Click **OK** to save the modification.

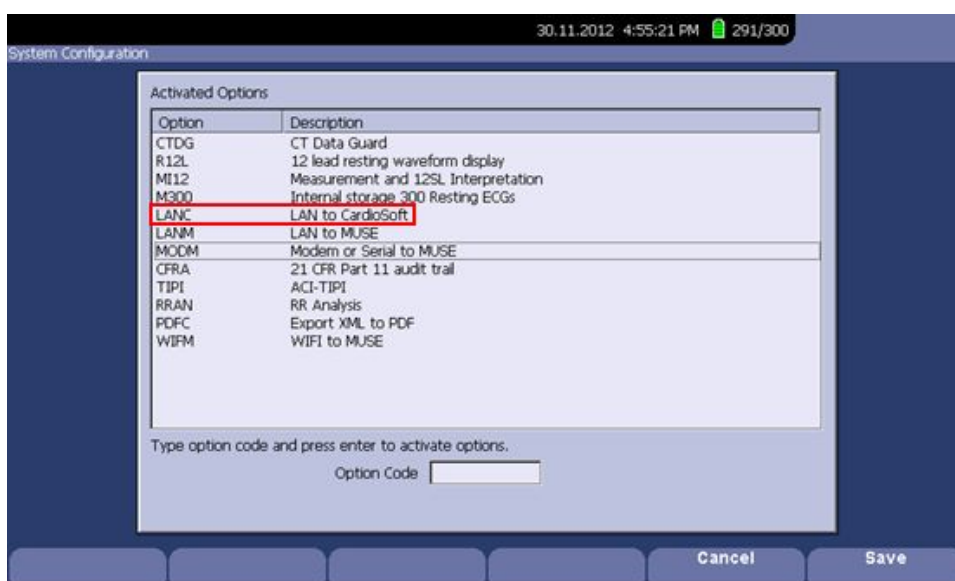
You may now transmit data from the MAC 800 device to the Optima EMS system via a CSI-Serial connection.

Shared Folder Connection

Before using a Shared Folder connection, please make sure that the **LANC** (LAN to Cardiosoft Communication) option of your MAC 800 device has been purchased and activated.

The following steps describes how to activate the **LANC** option at the MAC 800 device.

1. Purchase the **LANC** (LAN to Cardiosoft Communication) option to get the option code.
Contact GE Healthcare support for detailed information.
2. Power on the MAC 800 system.
3. From the **Main Menu**, press **F4 (System Configuration)** > **F6 (More)** > **F6 (More)** > **F4 (Options Setup)**.
The **Options Setup** window opens.
4. Type the option code in the **Option Code** field.
5. Press **Enter** to activate the option.



Setting Up the Device

1. Power on the MAC 800 device.
2. From the **Main Menu**, press **F4 (System Configuration)** > **F6 (More)** > **F1 (Communication Setup)**.

The **Data Communication Settings** window opens.



3. Select the **Allow Export using Shared Directory** check box.
The detailed settings are enabled.
4. Type the **Share Name** according to the following rules:
 - If the **Connection** setting in the Optima EMS system is **via Server**, perform the following:
 - If your device software version is 1.X.X, type **\\[Server Computer Name]\[Device Name]**
 - If your device software version is 2.X.X, type **\\[Server Computer Name]\[Site Name]\[Device Name]**
 - If the **Connection** setting in the Optima EMS system is **via Acq. Client**, perform the following:
 - If your device software version is 1.X.X, type **\\[Client Computer Name]\[Device Name]**
 - If your device software version is 2.X.X, type **\\[Client Computer Name]\[Site Name]\[Device Name]**
5. Type the **Username** and **Password** which you used to log on to your PC.
6. Confirm your password in the **Confirm** field.
7. Press **F6 (Save)** to save the modification.

Setting Up the Optima EMS System Client

1. Log on the Optima EMS system client.
2. From the **Main** window, click **Configuration > System Configuration**.
The **System Configuration** window opens.
3. Select **Device** to open the **Device** panel.



4. Click the **+** icon.
A new device named **New Device** is created and listed in the devices list.
5. At the **Basic Settings** field, add the following information:
 - **Device Name:** type the ECG device name, for example, **Sharetest**.
 - **Device Type:** select **ECG**.
 - **Manufacture:** select **GE**.
 - **Connection:** select **Shared Folder**.
Once **Shared Folder** is selected, the **Shared Folder Configuration** panel opens.
 - Select **via Server/via Acq. Client** according to the following rules
 - **via Server:** the device transmits data directly to the Optima EMS Server
 - **via Acq. Client:** the device transmits data directly to the Optima EMS Acquisition Client
 - Select one Acq. Client from the drop-down list if **via Acq. Client** is selected. Refer to [“Setting Up the Acq. Client” on page 15](#) for the instructions of creating Acq. Client.
6. Click **OK** to save the modification.

You may now transmit data from the MAC 800 device to the Optima EMS system via a Shared Folder connection.

DCP Connection

If the MAC 800 device software version is 2.X.X, you can connect the device to the Optima EMS system via DCP.

There are 2 connection types for DCP:

- **Wired LAN** (LANM)
- **Wireless LAN** (WIFM)

Before using the DCP connection, please make sure that **LANM** (LAN to MUSE Communication) or **WIFM** (WiFi to MUSE Communication) option of your MAC 800 device has been purchased and activated.

The following steps describes how to activate the **LANM** and **WIFM** options of the MAC 800 device.

1. Purchase the **LANM** (LAN to MUSE Communication) or **WIFM** (WiFi to MUSE Communication) option to get the option code.
Contact GE Healthcare support for detailed information.
2. Power on the MAC 800 system.
3. From the **Main Menu**, press **F4 (System Configuration)** > **F6 (More)** > **F6 (More)** > **F4 (Options Setup)**.
The **Options Setup** window opens.

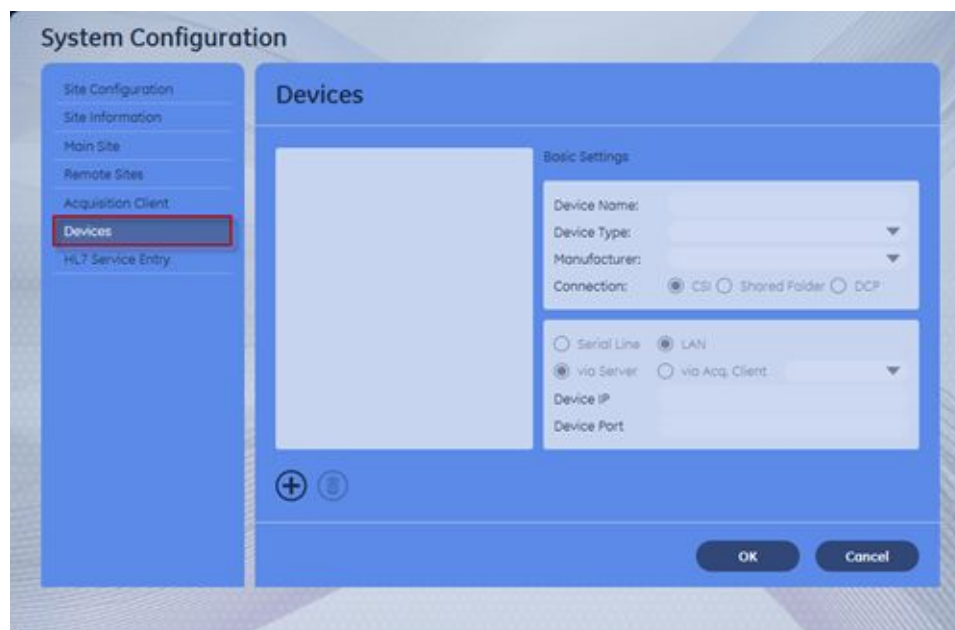
4. Type the option code in the **Option Code** field.
5. Press **Enter** to activate the option.



DCP Wired LAN Settings

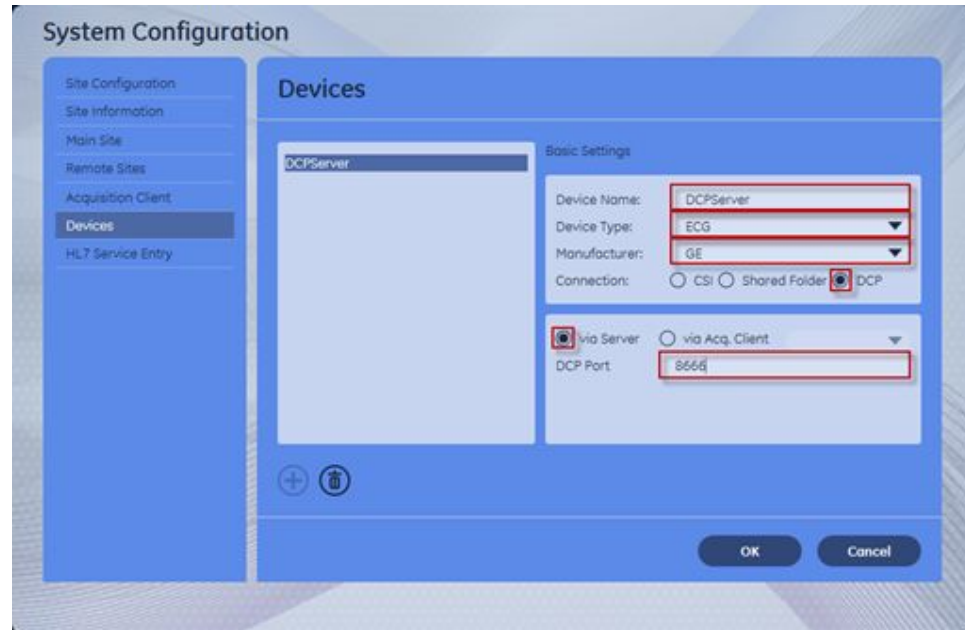
Setting Up the Optima EMS System Client

1. Log on the Optima EMS system client.
2. From the **Main** window, click **Configuration > System Configuration**.
The **System Configuration** window opens.
3. Select **Devices** to open the **Devices** panel.



4. Click the **+** icon.

A new device named **New Device** is created and listed in the devices list.



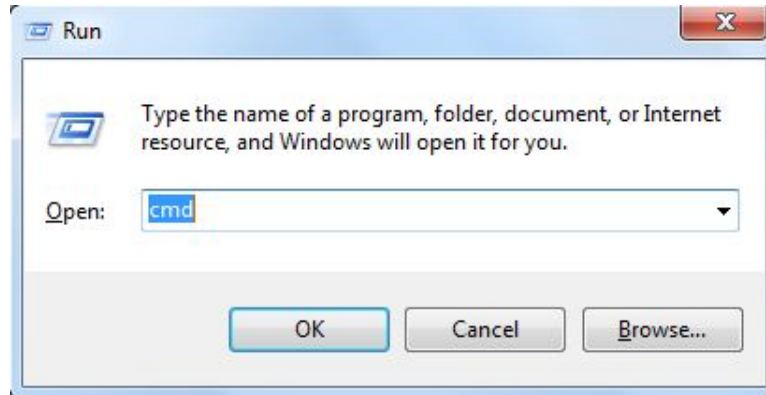
5. At the **Basic Settings** field, add the following information:
 - **Device Name:** type the ECG device name, for example, **DCPServer**.
 - **Device Type:** select **ECG**.
 - **Manufacture:** select **GE**.
 - **Connection:** select **DCP**.
Once **DCP** is selected, the **DCP Configuration** panel opens under the **Basic Settings** panel.
 - Select **via Server** for LAN connection.
 - Type a port number in the **DCP Port** field.

NOTE:

The port number should not be occupied by other application on the server.

6. Click **OK** to save the modification.
7. On the desktop, select **Start > Run**.
The **Run** window opens.

8. Type **cmd** in the **Open** field.



9. Click **OK** to open the **Command Prompt** window.
10. Type **ipconfig** and press **Enter**.
11. Record the IPv4 Address displayed in the window for further use.



Setting Up the Device

NOTE:

Before setting up the device, please make sure that the serial cable has been plugged into the cable socket of the device.

1. Power on the MAC 800 device.
2. From the **Main Menu**, press **F4 (System Configuration)** > **F6 (More)** > **F1 (Communication Setup)**.

The **Data Communication Settings** window opens.

- Press **F4 (Page Down)** repeatedly until the **Data Communication Locations** window opens.

The screenshot shows the 'Data Communication Locations' window. It contains four rows, each with a location number (#1 to #4). Each row has three fields: 'Location', 'Phone Number', and 'Device'. The 'Device' field is a drop-down menu. The 'Protocol' field is also a drop-down menu. In the first row (#1), the 'Location' is 'LAN', 'Phone Number' is empty, 'Device' is 'LAN', and 'Protocol' is 'DCP'. The other rows are empty. The window has 'Page Up' and 'Page Down' buttons.

- Type the location name in **Location** field.
- At the **Device** field, select **LAN** from the drop-down menu.
- At the **Protocol** field, select **CSI** from the drop-down menu.
- Press **F4 (Page Down)** repeatedly until the **DCP Settings** window opens.
- Type the **IP Address** and **Port** you recorded in Step 11 of [“Setting Up the Optima EMS System Client”](#) on page 28.

The screenshot shows the 'DCP Settings' window. It has a 'Discover DCP Device...' button at the top. Below it is the 'DCP WS Address' section with three fields: 'IP Address' (3.35.164.96), 'Port' (8066), and 'Server String' (SendTest). At the bottom, there is a 'Test Device Connection' button and an empty text field. The window has a 'Page Up' button in the top right corner.

- Press **F6 (Save)** to save the modification.

DCP Wireless LAN Settings

Setting Up the Optima EMS System Client

Please refer to “Setting Up the Optima EMS System Client” on page 28 in “DCP Wired LAN Settings”.

Setting Up the Device

1. Connect the WiFi module to the MAC 800 device.



2. Power on the MAC 800 device.
3. From the **Main Menu**, press **F4 (System Configuration)** > **F6 (More)** > **F1 (Communication Setup)**.

The **Data Communication Settings** window opens.

4. Press **F4 (Page Down)** repeatedly until the **Data Communication Locations** window opens.

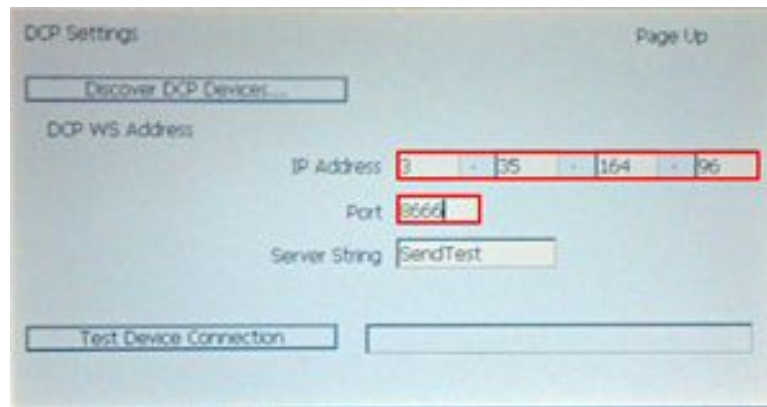
The screenshot shows the 'Data Communication Locations' window. It has a title bar with 'Data Communication Locations' and buttons for 'Page Up' and 'Page Down'. The window contains four entries, each with fields for 'Location', 'Phone Number', 'Device', and 'Protocol'. Entry #1 is pre-filled with 'LAN' for Location and 'DCP' for Protocol. Entries #2, #3, and #4 are empty.

5. Type the location name in **Location** field.
6. At the **Device** field, select **LAN** from the drop-down menu.
7. At the **Protocol** field, select **DCP** from the drop-down menu.
8. Press **F4 (Page Down)** repeatedly until the **Wireless Networking Settings** window opens.

The screenshot shows the 'Wireless Networking Settings' window. It has a title bar with 'Wireless Networking Settings' and buttons for 'Page Up' and 'Page Down'. The window contains a checkbox 'Enable Wireless LAN' which is checked. Below it are fields for 'Network Name (SSID)' (OPTIMA), 'Authentication' (Open), 'Encryption' (Disabled), 'Key Index' (1), and 'Key'.

9. Select the **Enable Wireless LAN** check box.
10. Type the **Network Name (SSID)**.
Please contact your network administrator for additional details.
11. Press **F4 (Page Down)** repeatedly until the **DCP Settings** window opens.

12. Type the **IP Address** and **Port** you recorded in Step 11 of “Setting Up the Optima EMS System Client” on page 28.



The screenshot shows the 'DCP Settings' window. At the top left is the title 'DCP Settings' and at the top right is a 'Page Up' button. Below the title is a button labeled 'Discover DCP Devices...'. Underneath is the label 'DCP WS Address'. There are three input fields: 'IP Address' containing '3', '35', '164', and '96' separated by dots; 'Port' containing '8666'; and 'Server String' containing 'SendTest'. The 'IP Address' and 'Port' fields are highlighted with red rectangular boxes. At the bottom left is a button labeled 'Test Device Connection' next to an empty text input field.

13. Press **F6 (Save)** to save the modification.

4

Connecting the MAC 1200 System

Connecting the MAC 1200 System to the Optima EMS System via CSI-Serial

The section describes the connection method between MAC 1200 device and the Optima EMS system.

Setting Up the MAC 1200 System

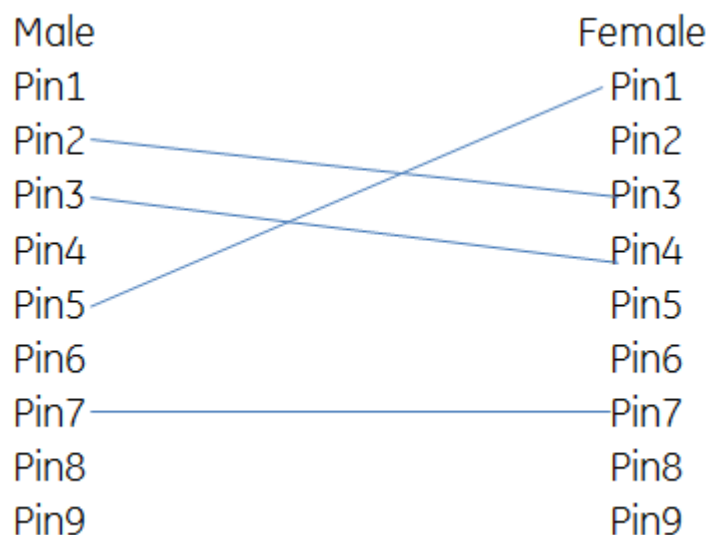
1. Power on the MAC 1200 device.
2. From the **Main Menu**, press **Config**.
The **Configuration** window opens.
3. Use the **Down** key to highlight **Automatic** and press **Enter**.
The **Configuration: Automatic** window opens.
4. Press the **Down** key repeatedly to highlight Manual copy to.
Make sure the **HOST** is highlighted for this field. If not, use the **Left** key to highlight **HOST** and press **Enter**.
5. Press the **Record/Stop** key to return to the **Configuration** window.
The system will automatically save the modification.
6. In the **Configuration** window, use the **Down** key to highlight **Communication** and press **Enter**.
The **Configuration: Communication** window opens.
7. Use the **Arrow** keys to make sure the fields list the exact values as follows:
 - **Baud rate(PC): 57600**
 - **Protocol: CSI**
 - **Modem: no**

Requirements for Connecting the Serial Line

NOTE:

GE Healthcare recommends you to buy standard serial line from GE Healthcare (PN 22336203).

Refer to the following graphic for detailed information about connecting MAC 1200 to PC with serial line.



Setting Up the Optima EMS System Client

1. Log on to the Optima EMS system client.
2. From the **Main** window, select **Configuration > System Configuration**.
The **System Configuration** window opens.

3. Select **Devices** to open the **Devices** panel.



4. Click the  icon.
A **New Device** is created and listed in the **Devices** list.
5. In **Basic Settings**, add the following information:
 - **Device Name:** type the ECG device name, for example, MAC1200CSI.
 - **Device Type:** ECG.
 - **Manufacturer:** GE.
 - **Connection:** CSI.

After **CSI** is selected, the **CSI Configuration** panel opens, add the following information:

 - Connection: **Serial Line** and **via Server**
 - **COM Port:** COM1
 - **Baudrate:** 57.6K
6. Click **OK** to save the modification.
You may now transmit data from the MAC 1200 device to the Optima EMS system via a CSI-Serial connection.

Verify the Connection

1. Set up the MAC 1200 device according to “[Setting Up the MAC 1200 System](#)” on page 35.
2. Connect the MAC 1220 device and the Optima EMS system client with a serial line according to “[Requirements for Connecting the Serial Line](#)” on page 36.
3. Enter the patient information on the MAC 1200 device.
4. Press the **Record/Stop** key to acquire the ECG data.

5. Press the **Transmit** key to start transmitting the ECG data.
6. During transmission, the following progress bars will be displayed:
 - ***Initializing transmission...***
 - ***ECG transmission (CSI)...***

The transmission is successfully finished when the progress bars close.

You should now be able to access the transmitted ECG data on the Optima EMS system client.

5

Connecting the MAC 3500/MAC 5000/MAC 5500 Systems to the Optima EMS System

There are three ways to connect the MAC 3500/MAC 5000/MAC 5500 devices to the Optima EMS system:

- **CSI-LAN**

NOTE:

CSI-LAN Connection is not available for MAC 5000 device.

- **CSI-Serial**

The following instructions use the MAC 3500 as an example, but the MAC 3500, MAC 5000 and the MAC 5500 UI are the same.

CSI-LAN Connection

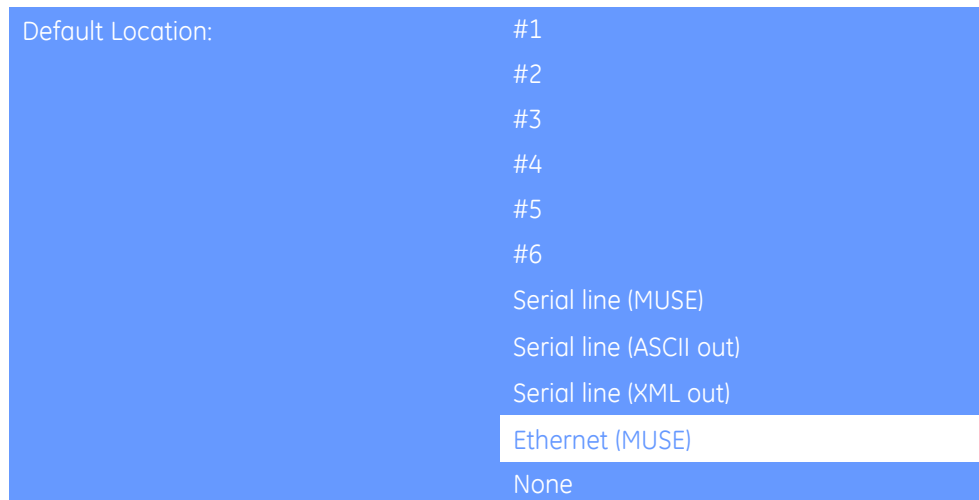
Before using a CSI-LAN connection, please make sure that the **ELAN** option of your MAC 3500 device has been purchased and activated.

Contact GE Healthcare support for detailed information if the option is not purchased or activated.

Setting Up the Device

1. From the main window, select **Main Menu > System Setup**.
2. Type the system password.
3. Select **Basic System > Transmission**.

4. In the **Default Location** field, select **Ethernet (MUSE)**.



Default Location:

- #1
- #2
- #3
- #4
- #5
- #6
- Serial line (MUSE)
- Serial line (ASCII out)
- Serial line (XML out)
- Ethernet (MUSE)**
- None

5. Press **ESC** to return to the main window.
6. Select **Basic System > Network Setup**.
The **Network Setup** window opens.
7. Type the **IP Address**, **Subnet Mask**, **Gateway** and **Port Number**.



Network Setup

IP Address : ____ . ____ . ____ . ____

Subnet Mask : ____ . ____ . ____ . ____

Gateway : ____ . ____ . ____ . ____

Port Number : ____

Return

NOTE:

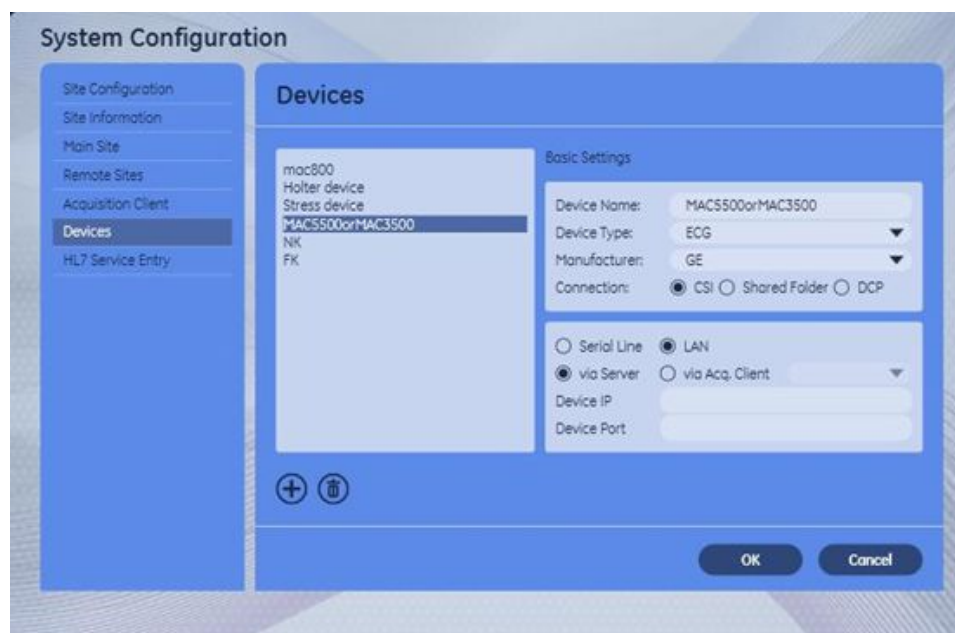
Record the **IP Address** and **Port Number** which will be used in Optima EMS system setup.

8. For MAC 3500/5000/5500, you are request to save all your modification.

Setting Up the Optima EMS System Client

1. Log on to the Optima EMS system client.
2. From the **Main** window, click **Configuration > System Configuration**.
The **System Configuration** window opens.

3. Select **Devices** to open the **Devices** panel.



4. Click the **+** icon.
A new device named **New Device** is created and listed in the devices list.
5. At the **Basic Settings** field, add the following information:
 - **Device Name:** type the ECG device name, for example, **MAC3500CSI**.
 - **Device Type:** select **ECG**.
 - **Manufacture:** select **GE**.
 - **Connection:** select **CSI**.
Once **CSI** is selected, the **CSI Configuration** panel opens.
 - Select **LAN** for the connection.
 - Select **via Server/via Acq. Client** according to the following rules
 - **via Server:** the device is set to connect to the Optima EMS Server via LAN
 - **via Acq. Client:** the device is set to connect to the Optima EMS Acquisition Client via LAN
 - Select one Acq. Client from the drop-down list if **via Acq. Client** is selected. Refer to [“Setting Up the Acq. Client” on page 15](#) for the instructions of creating Acq. Client.
 - Type the **IP Address** and **Device Port** you typed in Step 7 in [“Setting Up the Device” on page 39](#).
6. Click **OK** to save the modification.

You may now transmit data from the device to the Optima EMS system via a CSI-LAN connection.

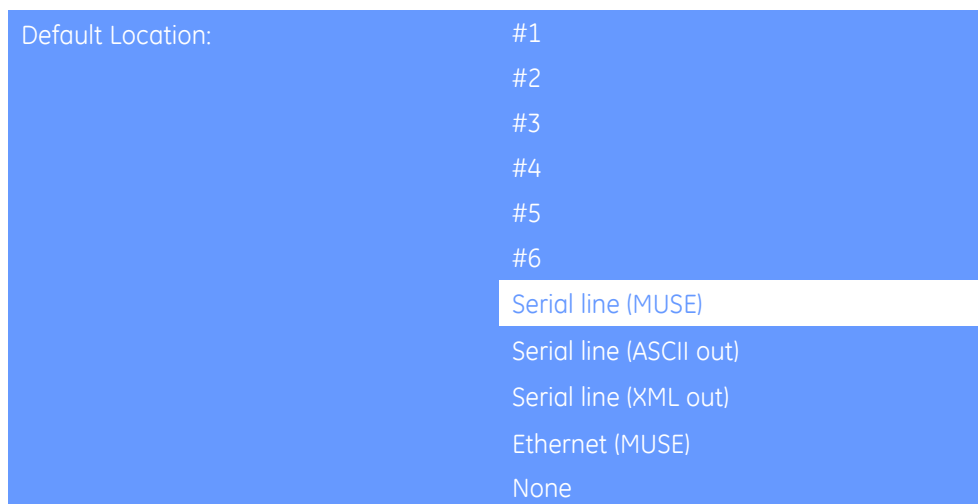
NOTE:

Make sure you have both **Patient Name** and **Patient ID** for the report, otherwise the transmission will be failed.

CSI-Serial Connection

Setting Up the Device

1. From the main window, select **Main Menu > System Setup**.
2. Type the system password.
3. Select **Basic System > Transmission**.
4. In **Default Location** field, select **Serial line (MUSE)**.



5. For MAC 5500, you are request to save all your modification.

Setting Up the Optima EMS System Client

1. Log on to the Optima EMS system client.
2. From the **Main** window, click **Configuration > System Configuration**.
The **System Configuration** window opens.
3. Select **Devices** to open the **Devices** panel.



4. Click the **+** icon.
A new device named **New Device** is created and listed in the devices list.
5. At the **Basic Settings** field, add the following information:
 - **Device Name:** type the ECG device name, for example, **MAC3500CSI**.
 - **Device Type:** select **ECG**.
 - **Manufacture:** select **GE**.
 - **Connection:** select **CSI**.
Once **CSI** is selected, the **CSI Configuration** panel opens.
 - Select **Serial Line** for the connection.
 - Select **via Server/via Acq. Client** according to the following rules
 - **via Server:** the device is set to connect to the Optima EMS Server via COM Port
 - **via Acq. Client:** the device is set to connect to the Optima EMS Acquisition Client via COM Port
 - Select one Acq. Client from the drop-down list if **via Acq. Client** is selected. Refer to [“Setting Up the Acq. Client” on page 15](#) for the instructions of creating Acq. Client.
 - Choose the **COM Port** which depends on the COM port of the MAC 3500 device connecting to the Optima EMS system.
 - Select **Baudrate** which is the same as the baud rate of MAC 3500.
6. Click **OK** to save the modification.

You may now transmit data from the device to the Optima EMS system via a CSI-Serial connection.

NOTE:

Make sure you have both **Patient Name** and **Patient ID** for the report, otherwise the transmission will be failed.

6

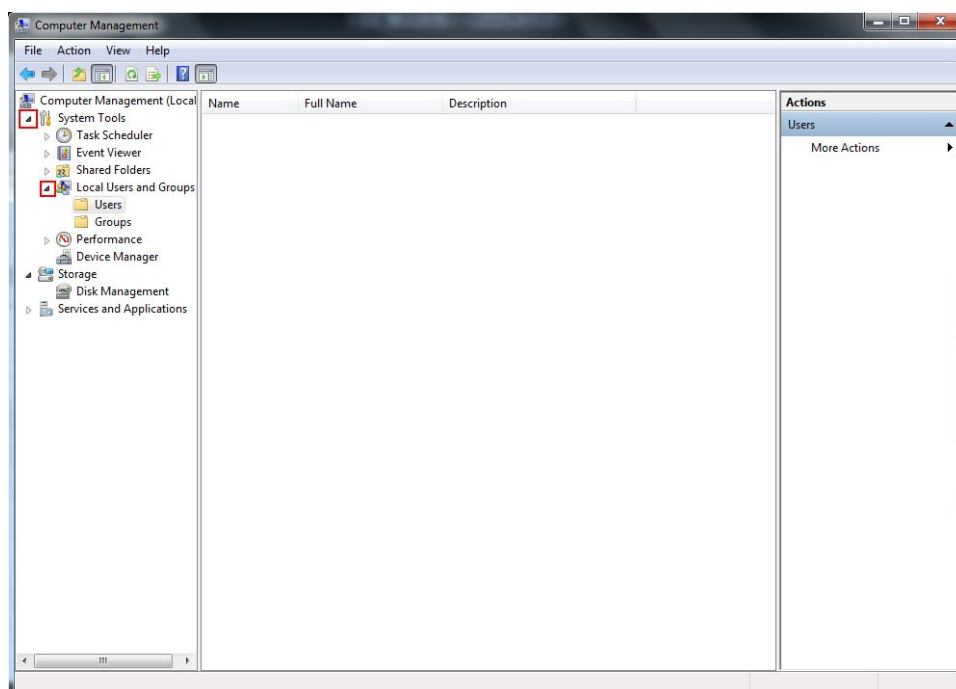
Configuration for PDF Import

This section describes the configurations for GE Healthcare Stress and Holter PDF Import.

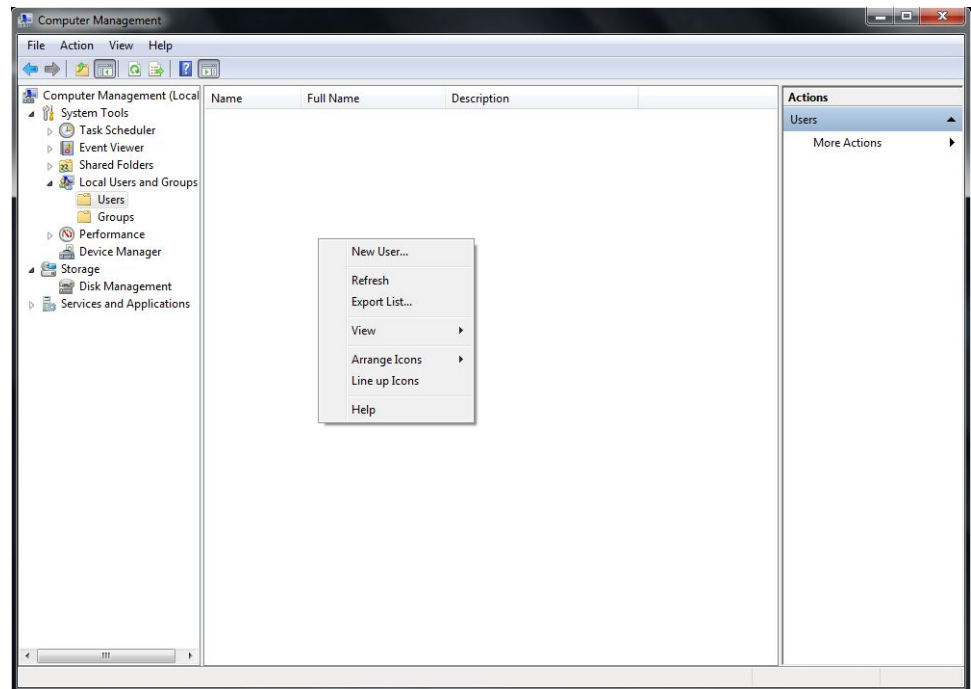
Setting Up Shared Folder

To import the Stress/Holter report, you need to setup a shared folder on the Optima EMS system server before you setup in the system client.

1. Before setting up the shared folder, you need to perform the following procedure to create a local user on your computer.
 - a. Right-click on **My Computer** and select **Manage**.
The **Computer Management** window opens.
 - b. Click **System Tools > Local Users and Groups > Users** to open the **Users** window.



- c. Right-click in the **Users** window and select **New User....**



The **New User** window opens.

- d. Complete the following information in the **New User** window.
- **User name:** type **pdfimport**.
 - **Password:** type **Pdf!Import**.

- Confirm Password: type **Pdf!Import**.
- Unselect the check box of **User must change password at next login**.

The screenshot shows a 'New User' dialog box with the following fields and options:

- User name:** pdfimport
- Full name:** (empty)
- Description:** (empty)
- Password:** (masked with three dots)
- Confirm password:** (masked with three dots)
- ☐ User must change password at next login
- ☐ User cannot change password
- ☐ Password never expires
- ☐ Account is disabled
- Buttons:** Help, Create, Close

- e. Click **Create** and the new user is created and listed in the **User** window.
- f. Click **Close** to close the **New User** window and return back to the **User** window.

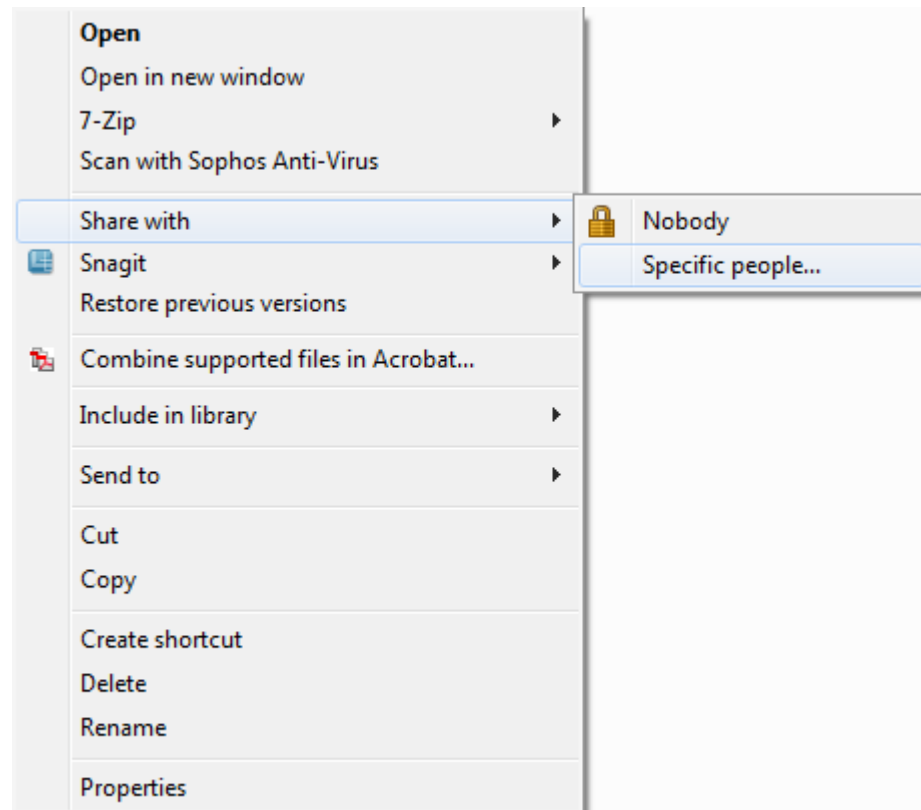
You have successfully created a new user for your computer.

2. Create a new folder on your computer.

C:\Stress folder is created as an example in this section.

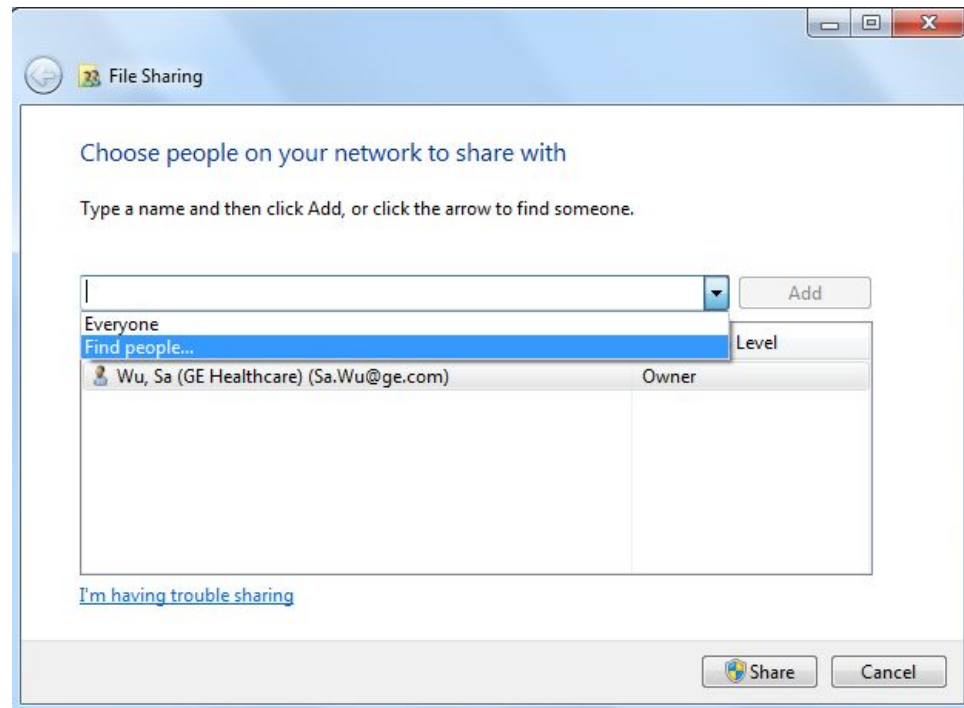
You can create a folder named with **Holter** if you are transmitting Holter report.

3. Right-click the folder icon and select **Share with > Specific people....**



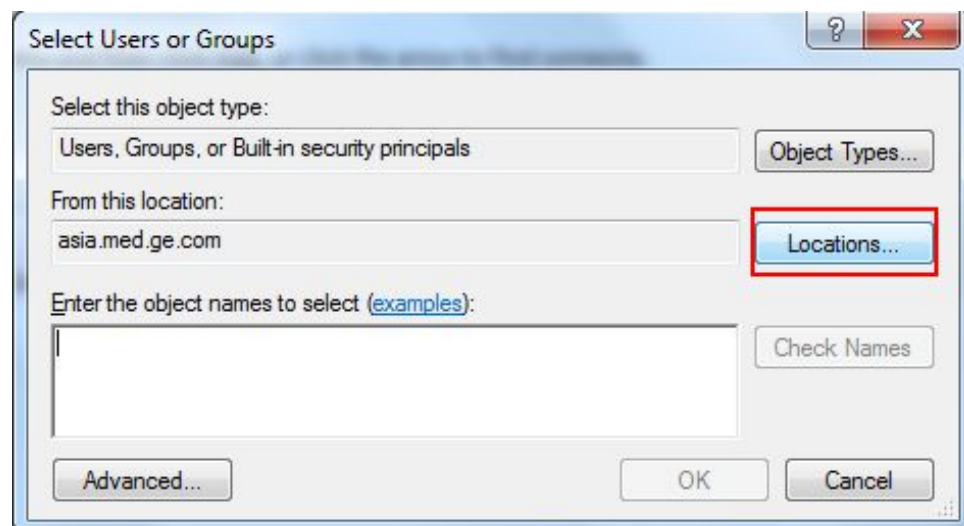
The **File Sharing** window opens.

4. Choose **Find people...** from the drop-down menu.



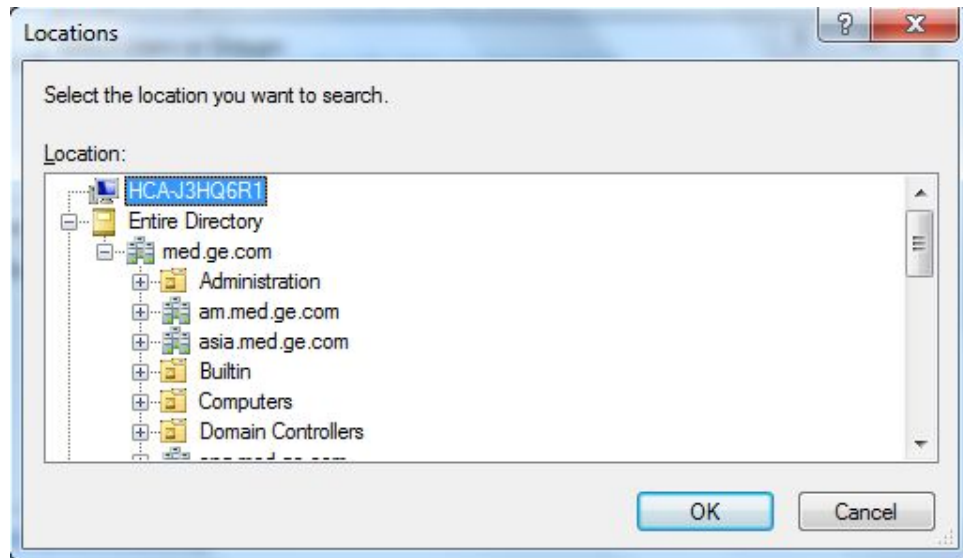
The **Select Users or Groups** window

5. Click **Locations...** at the **From this location:** field.

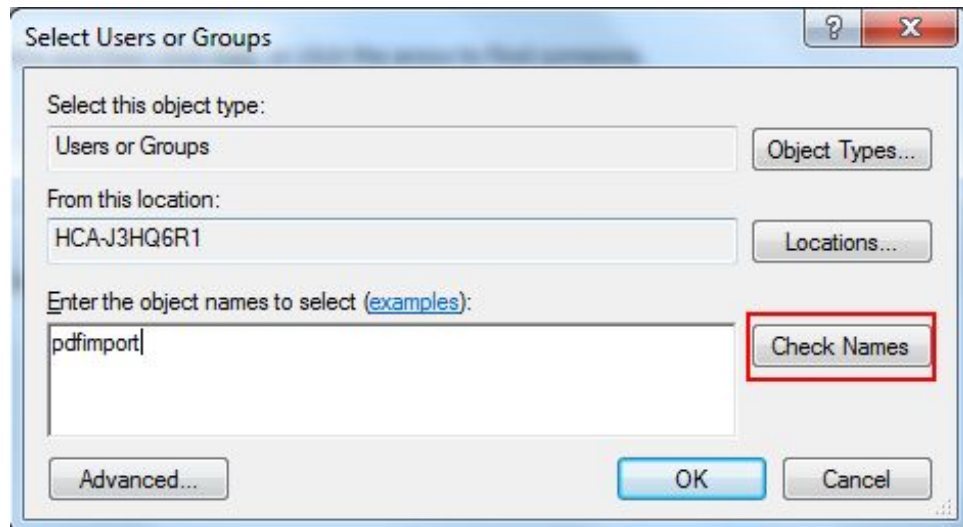


The **Locations** window opens.

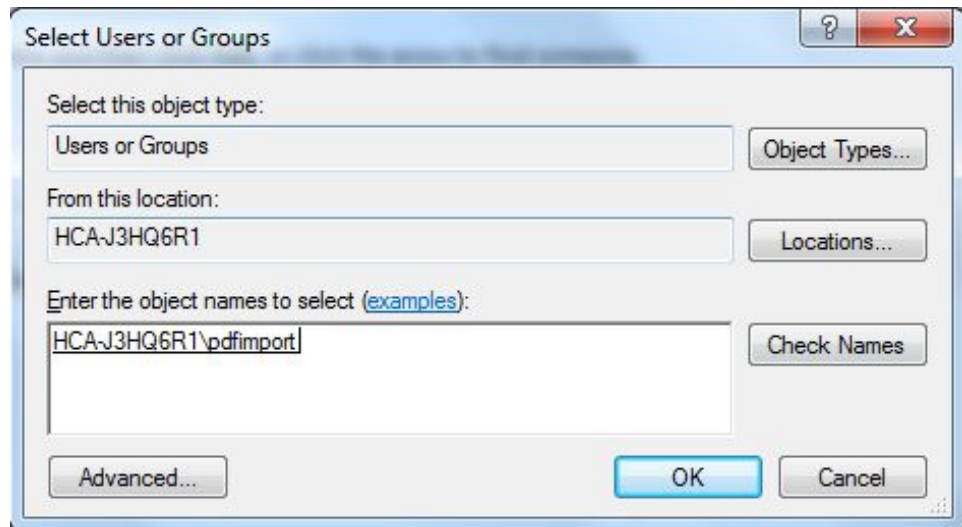
6. Select your computer name in the **Location:** field.



7. Click **OK**, the location is selected in the **Select Users or Groups** window.
8. Type **pdfimport** in the **Enter the object names to select (example):** field and click **Check Names**.



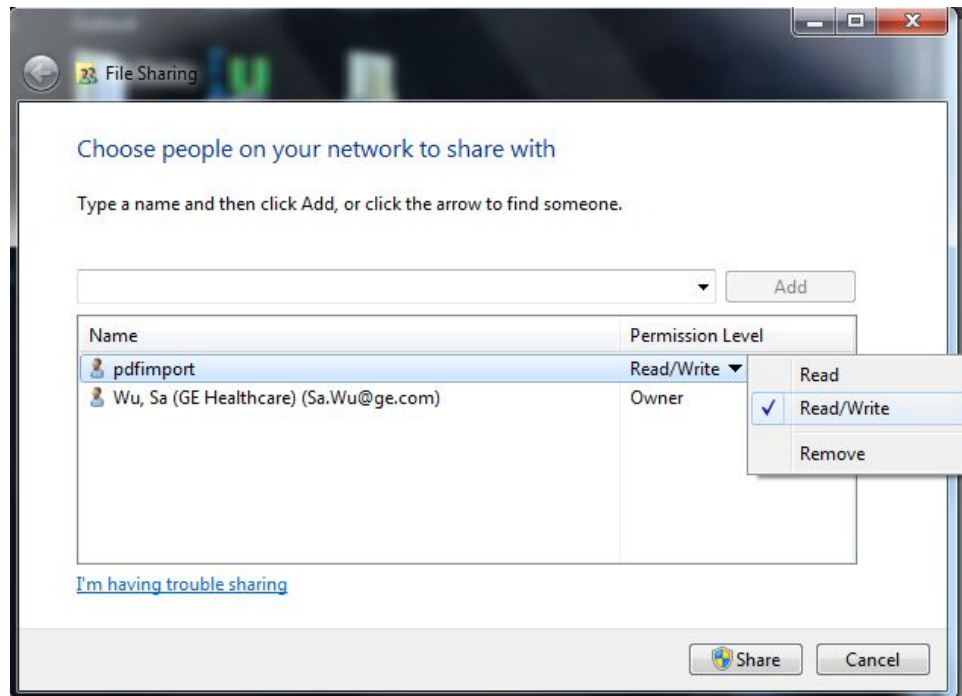
The user **pdfimport** will be listed in the field.



9. Click **OK**.

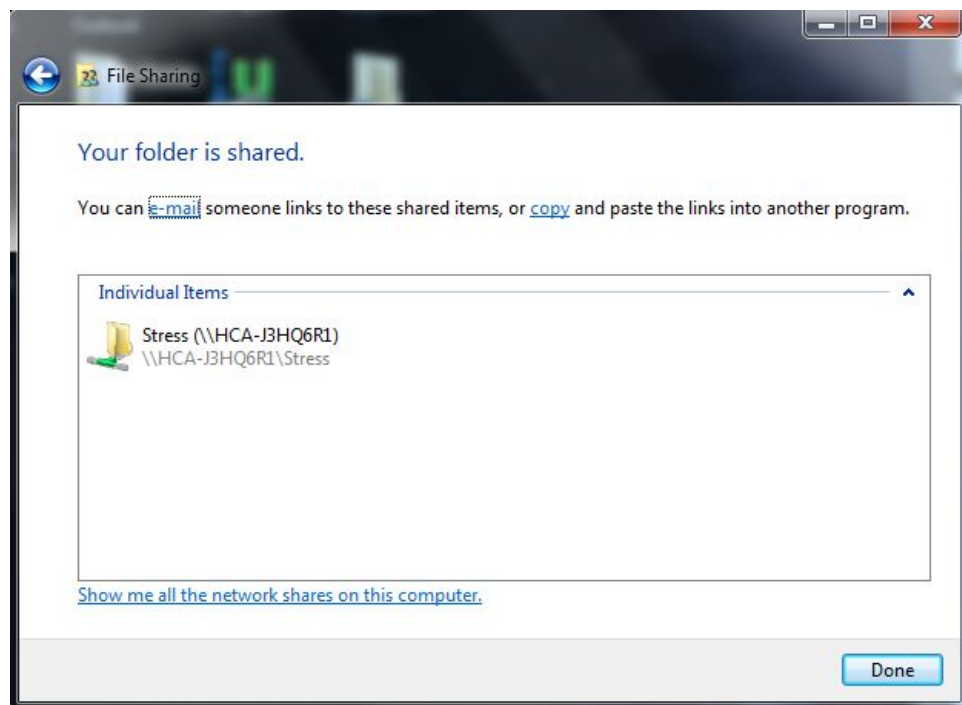
The user **pdfimport** will be listed in the **File Sharing** window

10. At the **Permission Level** column, Select **Read/Write** for **pdfimport**.



11. Click **Share**.

The **Your folder is shared.** window opens, and the folder is now successfully shared.



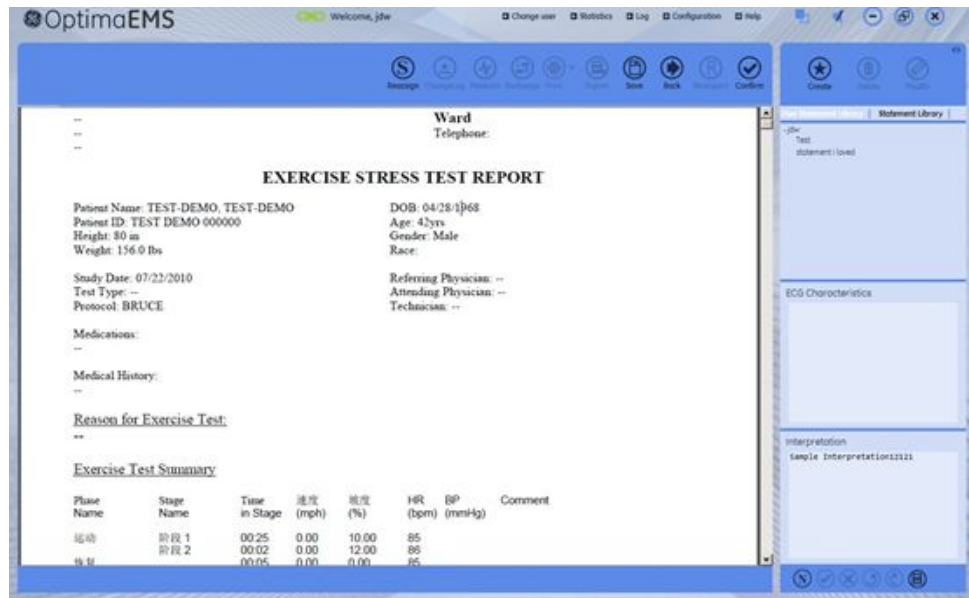
Configuring the Stress PDF Report Import in the Optima EMS System Client

1. Log on to the Optima EMS system client.
2. From the **Main** window, click **Configuration** > **System Configuration**.
The **System Configuration** window opens.
3. Select **Devices** to open the **Devices** panel.



4. Click the **+** icon.
A new device named **New Device** is created and listed in the devices list.
5. At the **Basic Settings** field, add the following information:
 - **Device Name:** type the ECG device name, for example, **Stress**.
 - **Device Type:** select **Stress**.
 - **Manufacture:** select **GE**.
 - **Connection:** select **Shared Folder**.
Once **Shared Folder** is selected, the **Shared Folder Configuration** panel opens.
 - Select **via Server** for the connection.
 - Type the path that you used to share in **Shared Folder Path** field.
For example, **\\3.35.24.39\\Stress**.

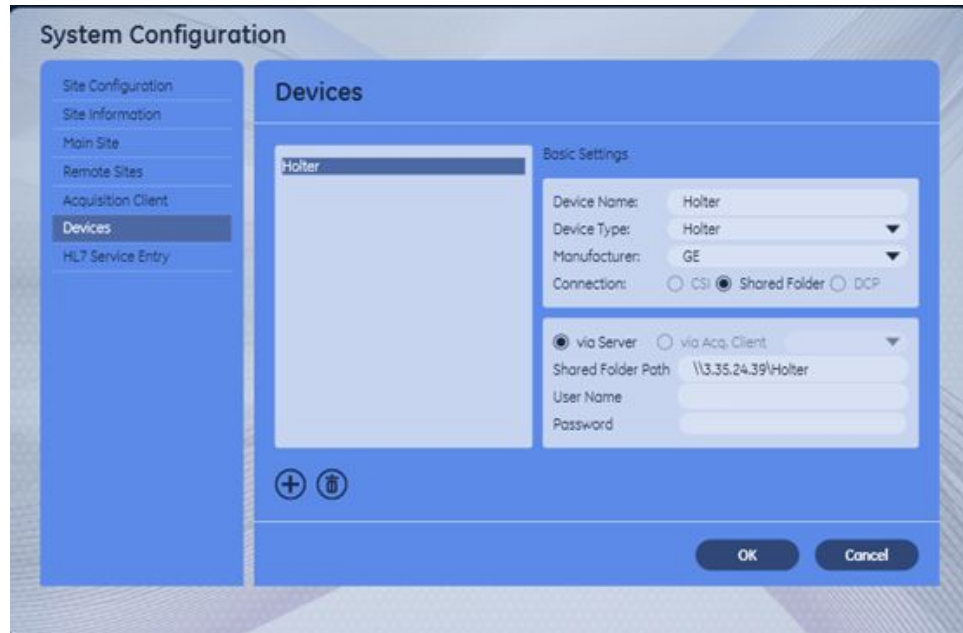
6. Click **OK** to save the modification.
7. To verify the configuration is correct, perform the following actions:
 - a. Copy the stress PDF report sample in the **Stress** folder from Optima EMS Installation DVD to the shared folder you have configured (for example, **\\3.35.24.39\Stress**).
 - b. Open the **Order List** window of the Optima EMS system to check if you can find the Stress order in the list.
 - c. Double-click the Stress order, the PDF report will be displayed in the **Diagnosis** window.



Configuring the Holter PDF Report Import in the Optima EMS System

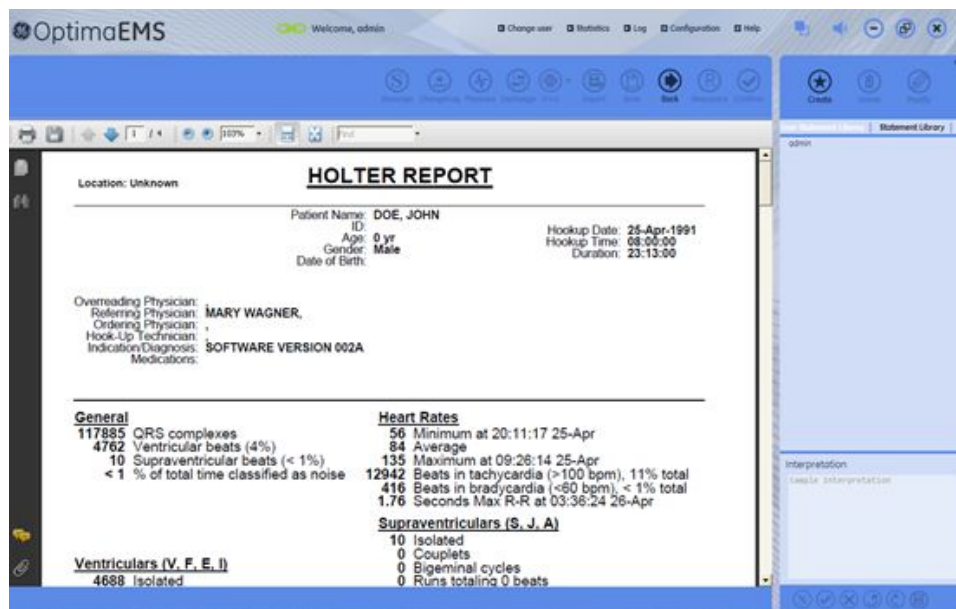
1. Log on to the Optima EMS system.
2. From the **Main** window, click **Configuration** > **System Configuration**.
The **System Configuration** window opens.

3. Select **Devices** to open the **Devices** panel.



4. Click the + icon.
A new device named **New Device** is created and listed in the devices list.
5. At the **Basic Settings** field, add the following information:
 - **Device Name:** type the ECG device name, for example, **Holter**.
 - **Device Type:** select **Holter**.
 - **Manufacture:** select **GE**.
 - **Connection:** select **Shared Folder**.
Once **Shared Folder** is selected, the **Shared Folder Configuration** panel opens.
 - Select **via Server** for the connection.
 - Type the path that you used to share in **Shared Folder Path** field.
For example, **\\3.35.24.39\\Holter**.

6. Click **OK** to save the modification.
7. To verify the configuration is correct, perform the following actions:
 - a. Copy the Holter PDF report sample in the **Holter** folder from Optima EMS Installation DVD to the shared folder you have configured (for example, **\\3.35.24.39\Holter**).
 - b. Open the **Order List** window of the Optima EMS system to check if you can find the Holter order in the list.
 - c. Double-click the Holter order, the PDF report will be displayed in the **Diagnosis** window.





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