



HMS Client Version 6.6.2 Release Notes

Version 1.1

Build 6.6.2.2495

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1.1	02 Aug 2011	Wendy Wang/Simon Chadwick	R3 issues included. Mac OSX 10.7 added as supported platform.

Table of Contents

1	Overview	5
1.1	Document Purpose.....	5
1.2	Background	5
1.3	Online Resources and Customer Service Centre	5
2	Installation.....	6
2.1	Software Requirements	6
2.1.1	Software Requirements for HMS 6.6.2 Client	6
2.1.2	Software Requirements for HUO.....	7
2.2	Upgrade Paths to HMS 6.6.2	7
3	New Features	8
4	Resolved Issues	9
5	Known Issues.....	12

1 Overview

1.1 Document Purpose

This document provides information for the 6.6.2 release of the HealthLink Messaging System (HMS). This version of the document refers to build 6.6.2.2495 of the software.

1.2 Background

HMS is a messaging system which exchanges electronic messages between health providers' computer systems. Using a common electronic message exchange system means that health providers can quickly, easily and securely share information about their patients.

HMS can be used by any health provider organisation with a capable computer system. Many General Practices, Hospitals, Accident and Emergency Clinics and specialist surgeries are reducing their paper workload right now thanks to HMS.

The electronic message is typically created within the provider's clinical system and sent to the recipient using their HealthLink EDI address. The recipient's HealthLink EDI account (mailbox) will store any messages addressed to their organisation. Using HealthLink at their practice, the recipient will collect the messages and import them into their clinical systems. The receiving clinical system will display all newly received messages and sort them by individual recipient. The recipient can process the message, and the information is securely stored on their clinical system.

1.3 Online Resources and Customer Service Centre

Comprehensive information about the HealthLink Messaging System can be found on the HealthLink website: <http://www.healthlink.net/resources.htm>

This includes the following online resources:

- Download of the installer for HMS 6.6.2
- HMS 6.6.2 Installation and User Guide
- Integration Guides for Clinical Software Applications
- Directory of EDI Accounts
- Remote Support Service

HMS 6.6.2 Licensing information is provided as part of the HealthLink Service Agreement (<http://www.healthlink.net/support.htm>).

Additional support is available through HealthLink's Customer Service Centre via free phone (1800 125 036 in Australia; 0800 288 887 in New Zealand) or email helpdesk@healthlink.net.

2 Installation

You can download the software installer from the HealthLink website (<http://www.healthlink.net/software.htm>) or request an installation CD from HealthLink Customer Service Centre. The installer can be used for new installations of the HMS Client as well as for upgrading existing HMS Client installations to the 6.6.2 release.

For detailed installation instructions, please refer to the HMS 6.6.2 Installation and User Guide (see the Online Resources and Customer Service Centre section of these Release Notes).

2.1 Software Requirements

HMS 6.6.2 consists of two main applications, HMS 6.6.2 Client and HealthLink User Online (HUO). Their supported software environments are described in the following subsections.

2.1.1 Software Requirements for HMS 6.6.2 Client

Table 1 provides an overview of the software environments supported by the HMS 6.6.2 Client. The HMS 6.6.2 requires a software environment consisting of one of the listed supported operating systems and a compatible runtime environment.

Operating System	Windows	XP, 2003 Server, Vista (32 and 64 bit), 2008 Server (32 and 64 bit), 7 (32 and 64 bit), 2008 R2 Server
	MacOS ¹	10.5, 10.6, 10.7
Runtime Environment	Java ²	1.5.0

Table 1: Software Requirements for HMS 6.6.2 Client

¹ The HMS 6.6.2 Client features Quantum Synchronous Messaging, HealthLink Online (online forms) and HMS web service interface are not supported for MacOS.

² On non-MacOS machines, the HMS 6.6.2 Client installs its own copy of the Java Runtime Environment. This Java Runtime Environment can only be used by the HMS 6.6.2 Client itself and does not interfere with any existing Java installations (i.e. it neither uses nor modifies them). On MacOS machines, the HMS 6.6.2 Client relies on the operating system's automatic distribution mechanism to use the latest patch level of JRE 1.5.0.

2.1.2 Software Requirements for HUU

Table 2 provides an overview of the software environments supported by the HealthLink User Online (HUU) application. HUU requires a software environment consisting of one of the listed supported operating systems and a compatible web browser.

Operating System	Windows	XP, 2003 Server, Vista (32 and 64 bit), 2008 Server (32 and 64 bit), 7 (32 and 64 bit), 2008 R2 Server
	Web Browser	Internet Explorer
	Firefox	3.x

Table 2: Software Requirements for HUU

2.2 Upgrade Paths to HMS 6.6.2

The supported upgrade paths are listed in Table 3.

Before uninstalling your existing installation of the HMS Client, please ensure that your system is meeting the software requirements of the HMS 6.6.2 Client (see section 2.1.1 for details).

Previous HMS Version	Upgrade Type	Windows	Mac OS
6.5.1	Manual	Please uninstall your existing HMS version and subsequently install HMS 6.6.2 as a new installation. Please contact the HealthLink Customer Service Centre for assistance.	
	Remote	Not supported	
6.5.2 to 6.5.3	Manual	Manual upgrades using the HMS 6.6.2 installer are supported.	
	Remote	Can be performed on request or automatically	Not supported
6.5.5	Manual	Manual upgrades using the HMS 6.6.2 installer are supported.	
	Remote	Can be performed on request or automatically.	Not supported
6.5.6 to 6.6.1	Manual	Manual upgrades using the HMS 6.6.2 installer are supported.	
	Remote	Can be performed on request or automatically.	

Table 3: Supported Upgrade Paths

³ IE8 will be automatically set into IE7 compatibility mode. No user intervention required.

3 New Features

The following table provides an overview of the main feature set improvements introduced with HMS 6.6.2.

	Feature Description	JIRA Issue ID
1	Performance Monitoring Log for Forms Director	HMS-852
2	Forms Director Support for HISO 10014.2 v1.2 2010-06	HMS-931
3	Submission Gateway Support HISO 10014.2 v1.2 2010-06	HMS-932
4	<p>Schema Validation Configurable for Each Message Type</p> <p>Introduce message-type specific configuration parameters for the Submission Gateway to determine whether messages of a particular type should be validated against their XML schema by the Submission Gateway.</p> <p>Previously, schema validation could only be turned on or off for all message types at once.</p>	HMS-933
5	<p>Forms Director Caching for Both Forms Contents and Size</p> <p>Previously, only the forms contents were cached on a per-session basis by the Forms Director. This extension now also allows for the caching of the size of a form's contents.</p>	HMS-996
6	<p>Support for Form-Specific Entries in HMS Interface File</p> <p>The HMS Interface File, typically located in C:\HLINK\hms_config.xml, now supports forms-specific entries providing information about their invocation URLs, parameters and format requirements.</p>	HMS-943
7	<p>Submission Gateway Supporting Forms-Specific Submission Paths</p> <p>Forms are now able to provide a submission path together with each message submitted to the Submission Gateway. This path needs to be a relative path that, together with the fixed forms submission path configured in the Submission Gateway's configuration parameter, constitutes a valid URL for this message.</p> <p>This flexibility prevents the need for updating the Submission Gateway's configuration for each new or modified form deployed. Instead, the Submission Gateway's configuration only contains the URL "root" path for all forms, while the forms-specific part of the URL is provided by the form itself.</p> <p>This feature also provides the basis for running forms in trial or pre-production mode, in which all forms submissions get routed to a non-production server.</p>	HMS-1001
8	<p>SOAP Test Tool for NHI Lookup</p> <p>The HealthLink Quantum Administrator has a test Utility 'Test Server' that allows for the convenient testing of Quantum soap messages. This soap test tool has now been extended to support the simple and advanced NHI Lookup queries using the Submission Gateway web service interface in this release.</p>	HMS-956

4 Resolved Issues

The following table provides an overview of the most important issue resolutions.

	Issue Description	JIRA Issue ID
1	<p>Referral, discharge and health record messaging is not compliant with amendments to the Australian Standard AS4700.6 HL7 2.3.1</p> <p>The PRD segment is specified as optional and non-repeatable in the message validation definition for HL7 2.3.1 RRI response messages, in accordance with the original Australian Standard AS4700.6. The Amendment No 2 to the Australian Standard requires at least one PRD segment in the RRI message and allows for the segment to be repeated.</p> <p>The message validation definition for AS4700.6 HL7 2.3.1 messages has been updated to support multiple PRD segments as optional segments. Optionality is retained so it will support systems that do and do not comply with Amendment No 2.</p>	HMS-424
2	<p>Referrals, Status and Discharges Messaging using the valid code 'LOCAL' in PID-3 is rejected by HMS Client</p> <p>The code 'LOCAL' is allowed in HISO 10011.2 Standard. The issue has been fixed in this release by adding 'LOCAL' for locally created codes to the HL7 2.4 RSD message definition validation table HL70363. HL70363 is a table that validates the 'Assigning Authority' component in Patient Identifier field PID-3 'Patient Identifier List'. Other HL7 fields that have the 'Assigning Authority' component are amended as well.</p>	HMS-957
3	<p>Valid New Zealand messages using the correct country code set ISO 3166-1 alpha-2 are rejected</p> <p>The message definitions for the New Zealand HL7 v2.4 Laboratory Messaging and New Zealand HL7 v2.4 Referrals, Status and Discharges (RSD) Messaging use the ISO 3166-1 alpha-3 code set. The published HISO Standards that these two message definitions are based on use the ISO 3166-1 alpha-2 code set.</p> <p>This issue has been fixed in this release by removing the validation of the country code fields from the affected message definitions. So now messages with any value in the country code field will not be rejected, including ISO 3166-1 alpha-2 and ISO 3166-1 alpha-3 code sets; and plain English.</p>	HMS-993
4	<p>Valid RSD acknowledgment messages are rejected by HMS Client when MSH-9 'MessageType' is populated with RRI^I14^RRI_I14</p> <p>The RSD message validation definitions reject RRI acknowledgment messages when MSH-9 'MessageType' is populated with RRI^I14^RRI_I14. But New Zealand HISO and Australian Standards for Referrals, Status and Discharges (RSD) state the format used in MSH-9 is correct.</p> <p>This issue has been fixed in this release for the RSD New Zealand HL7 v2.4 installation and both RSD HL7 v2.3.1 and HL7 v2.4 Australian installation messages.</p>	HMS-1000
5	<p>Valid LAB acknowledgment messages are rejected by HMS Client when MSH-9 'MessageType' is populated with 'ACK^R01^ACK_R01'</p> <p>The Lab message validation definitions reject an acknowledgment message when MSH-9 'MessageType' is populated with 'ACK^R01^ACK_R01'. 'ACK^R01' is a valid value according to the Australian and New Zealand standards.</p> <p>This issue has been fixed in this release for LAB HL7 v2.4 New Zealand installation, and LAB HL7 v2.4 Australia installation messages.</p>	HMS-1000

	Issue Description	JIRA Issue ID
6	<p>Field Lengths of LAB2 Messages not compliant with Australian Standard AS4700.2-2004</p> <p>The Australian Standard AS4700.2-2004 for LAB messages differs from the international version of the HL7 v2.3.1 Standard in that it adopts maximum lengths for certain data types from the international HL7 v2.4 Standard. V2.4 lengths of these data types are greater than their v2.3.1 equivalents. HMS currently only supports the maximum lengths of the international HL7 v2.3.1 Standard.</p> <p>The following data types are affected: CE, CK, CN, CNE, CWE, CX, PPN, XAD, XCN, XON, XPN and XTN.</p> <p>This issue has been rectified in this release for LAB HL7 v2.3.1 Australia installation messages.</p>	HMS-1019
7	<p>RSD Messages that contain valid value 'CLN' in the RF1-3.1 field are rejected by HMS Client</p> <p>'HL7 Table 0281 - Referral Type' in the New Zealand HISO Standard for RSD messages was amended in August 2008 to include the value 'CLN' - Clinic Note.</p> <p>'CLN' has now been added to the validation table in the RSD HL7v2.4 New Zealand installation message definition for this release.</p>	HMS-1037
8	<p>Dynamic Correction of Wrong HL7 Error Path Reporting by Symphonia</p> <p>The generation of negative acknowledgement (NACK) messages by the HMS Client involves the quoting of any message parts that have failed validation. An error in Symphonia3 means that the path of the invalid message part is sometimes reported incorrectly, making the quoting of the invalid part in the NACK message unreliable.</p> <p>This issue has been addressed. In case of any invalid path information returned by Symphonia3, the generated NACK does not contain any quote of the invalid message part.</p>	HMS-1009
9	<p>Failed Flat-File Mapping for Nullified Datetime Fields</p> <p>Despite successfully passing message validation by both the sending and receiving sites, the mapping of an HL7 message containing the value "" for a datetime field to flat file format failed.</p> <p>This mapping has been updated to fix this issue.</p>	HMS-1006
10	<p>NACK Message Generation Fails for LABRESULT Messages</p> <p>LABRESULT messages are based on HL7 v2.1. Different from later versions of the ORU message specification, this version supports the MSH-9 field only as an unstructured value. The NACK generation mechanism was based only on the structured format for MSH-9 contents as specified in later versions of HL7.</p> <p>The generation mechanism for NACK messages has been modified to fix this issue.</p>	HMS-1007
11	<p>Failed Message Server Connections Logged as "Call Failed"</p> <p>This issue, introduced in HMS 6.5.4, complicated the error resolution process for affected sites.</p> <p>It has been rectified in this release.</p>	HMS-1018
12	<p>Special Characters Used in Comments Section Rejected</p> <p>Special characters (non-numbers and non-digits) used in the comments field of a form's attachment section produced an error generated by the Forms Director.</p> <p>This issue has been rectified in this release.</p>	HMS-1015
13	<p>Increase file size limit to 5 MB for GP2GP message type</p> <p>GP2GP message is introduced in HMS 6.6.1 R2 build 2426 with file size limit to 2 MB.</p> <p>It now has been extended to 5 MB in this release.</p>	HMS-1036

	Issue Description	JIRA Issue ID
14	Oversized warning message for form attachment contains duplication word 'file' When trying to attach a file which is too big to the eReferral form, the warning that is displayed contains duplicated word 'file'. This has been rectified in this release.	HMS-1038

5 Known Issues

	Issue Description	JIRA Issue ID
1	UniversalIDs Not Supported in NACKs for Generic XML Messages The generation of NACK messages for generic XML messages fails if the sending or receiving facility fields of the original message contain the optional UniversalId and/or UniversalIdType components.	HMS-1022