

Back to the Future 4 New Australian Standard

HL7 Australia – May 2019

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Why a new Standard?

- Standards Australia shutdown
 - Significant updates were in progress and lost
 - Copyright issues
- Virtually all committee members the same
 - HL7 Australia held rights to standard
 - Moved working group to HL7 Australia
- Heavily based on International Standard
 - No restriction vs Standards Australia
- Heavily edited and customised version of international Standard is result
- More modern editing platform implemented

What's in new Standard

- Everything relevant to Clinical messaging in Australia
 - Includes MSIA white paper issues
 - Compliance points
 - ORU, REF and Order messaging included
- Currently does not cover ADT messaging
- Two balloted releases, second covers REF messages as well
- Attempt to integrate and align Clinical and Lab message conventions.
 - Aimed at code reuse, especially for display
- Move to HL7 V2.4 with minimal breaking changes from V2.3.1
- Several Useful Appendix sections

Appendix 1 Parsing HL7v2

Created by HL7 Australia Admin on 22 Aug, 2018

Introduction

HL7V2 was created prior to the advent of XML and established its own encoding formats to allow complex hierarchical data structures to be encoded into text strings. It was a significant advance on the previously standard fixed length data formats and was designed to allow backwards and forward compatibility. Unlike XML it does not add the field names to the message and prior out of band metadata is required to read the values in the message. This makes it less human

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Appendix 2 Rendering of reports and display formats

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- [A2.1 General](#)
- [A2.2 Use of HL7 Formatted text \(FT\)](#)
- [A2.3 Use of XHTML as display segments](#)
 - [A2.4 Example Message](#)

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Appendix 3 Common Errors

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Appendix 4 HL7 Code Tables

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In HL7 V2.4 there are two table types, reflecting content ownership: HL7 defined and User-defined. Local implementation may further constrain these table types.

User-defined Tables

A user-defined table is a set of values that are locally or site defined.

HL7 Tables

An HL7 table is a set of values defined and published by HL7. They are a part of the HL7 Standard because they affect the interpretation of the messages that contain them may be extended to accommodate locally defined values. HL7 tables can be thought of as universally used tables.

Quick links to HL7 and User-Defined code Tables

Appendix 5 Conformance Statements (Normative)

Created by HL7 Australia Admin, last modified by Jared Davison on 22 Aug, 2018

Conformance Statements have been developed to help in formulating conformance testing of pathology messaging implementations in Australia against this Implementation Guide. The list below is not exhaustive. The entries are included here primarily if they:-

- are important from a safety or quality perspective, or
- are commonly not correctly implemented, or
- are at variance with the base HL7 v2.4 specifications

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Appendix 6 Example Messages

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- [6.1 Pathology Reports Examples](#)
- [6.2 Patient Referral Examples](#)

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Appendix 7 Significant changes

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201808 release

1. Addition of Patient referral chapter and associated appendices HL7 v2.4.1.0

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Appendix 8 Simplified REF profile

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- [A8.1 Purpose](#)
- [A8.2 Conformance](#)
 - [A8.2.1 Conformance Levels](#)
 - [A8.2.1.1 Referral Level 1](#)
 - [A8.2.1.2 Referral Level 2](#)
 - [A8.2.1.3 Referral Level 1 & 2 Common requirements](#)
 - [A8.2.2 Conformance Statements](#)

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Appendix 9 HL7v2 Virtual Medical Record

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- [A9.1 Introduction](#)
- [A9.2 Implementing the HL7v2 Virtual Medical Record with OBX segments](#)
 - [A9.2.1 Specifying the HL7v2 VMR is in use.](#)

How could process be improved?

- Need implementer involvement
- Includes Implementation Guide within Standard
 - Can be expanded as need arises
 - Clarification of misunderstood issues
 - Establishment of conventions to enable Workflow
 - Terminology conventions included
 - Message addressing included
- Useless unless implementer's are involved
 - Feedback is welcome
 - Direct involvement is welcome
- Currently working with “Tower of Babel”
 - Need agreement to work from single source standard