

Free!

Implementation Guide Authoring and Management Tool for HL7 v2

- ✓ Better requirement specification
- ✓ Web-application tools
- ✓ Single source-of-truth
- ✓ Computable HL7 vs Profiles
- ✓ Customization of local implementation guides

Faster, more efficient method to produce better quality, easier-to-maintain Implementation Guides

Issues and Need

- Improved methods and best practices for specifying requirements
- Antidote for ambiguous and inconsistent requirement specifications
- Support for local implementation guides

Description of NIST Implementation Guide Authoring and Management Tool

- Produces “automatic”, machine-computable interface specification artifacts exportable from tool as XML artifacts and in human readable formats (Word, HTML)
- Enables domain experts to create unambiguous and consistent requirement specifications
- Creates both narrative text and messaging requirements in a standardized and structured format
- Can be used to create adaptation of national standard to local jurisdictions
- Can be used for basis of testing tools

NIST Implementation Guide Authoring and Management Tool (IGAMT)

<https://hl7v2.igamt.nist.gov/>

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Advantages

- Better requirements specification leads to better implementations that improve data quality and consistency thereby **lowering costs**

The NIST IGAMT for HL7 v2 is being used by SDOs for creating implementation guides and by implementers for local specifications

NIST Implementation Guide Authoring and Management Tool

1 Select IG Document from the Menu Bar.

2 Select Current IG Document.

3 Select a Segment

4 Modify / enter Constraints for Segment Elements

Segment: **RXA_IJ_001**
Updated :04/11/2018 17:39 HL7 Version: 2.5.1

MetaData %Cross-References
Pre-Text Post-Text Conf. Statements Predicates

Context : ● segment ● Field ● Component

Name	Usage	Cardinality	Length	Conf. Length	Data Type	Value Set/Sin Code
F 1. Give Sub-ID Counter	R	1	1	1	HL7 2.5.1 NM	
F 2. Administration Sub-ID Counter	R	1	1	1	HL7 2.5.1 NM	
F 3. Date/Time Start of Administration	R	1			USR 2.5.1 TS_IJ_NZ	
F 4. Date/Time End of Administration	O	0			HL7 2.5.1 TS	
F 5. Administered Code	R	1			USR 2.5.1 CE_IJ_001	CVX
F 6. Administered Amount	R	1	20	1	HL7 2.5.1 NM	
F 7. Administered Units	C(R/X)	0			USR 2.5.1 CE_IJ_001	UCUM
F 8. Administered Dosage Form	O	0			HL7 2.5.1 CE	
F 9. Administration Notes	C(R/X)	0				

IG Documents List

IG Profiles Implementation Guide

- USR 2.5.1 MSH_IJ_Z32 --Message Header
- USR 2.5.1 MSH_IJ_Z33 --Message Header
- USR 2.5.1 MSH_IJ_Z34 --Message Header
- USR 2.5.1 MSH_IJ_Z42 --Message Header
- USR 2.5.1 MSH_IJ_Z44 --Message Header
- USR 2.5.1 NK1_IJ_001 --Next of Kin / Associated Parties
- USR 2.5.1 NTE_IJ_001 --Notes and Comments
- USR 2.5.1 OBX_IJ_001 --Observation/Result
- USR 2.5.1 ORC_IJ_001 --Common Order
- USR 2.5.1 PD1_IJ_001 --Patient Additional Demographic
- USR 2.5.1 PD1_IJ_002 --Patient Additional Demographic
- USR 2.5.1 PID_IJ_Z22 --Patient Identification
- USR 2.5.1 PID_IJ_Z31 --Patient Identification
- USR 2.5.1 PID_IJ_Z32 --Patient Identification
- USR 2.5.1 PID_IJ_Z42 --Patient Identification
- USR 2.5.1 PV1_IJ_001 --Patient Visit
- USR 2.5.1 PV2_IJ_001 --Patient Visit - Additional Information
- USR 2.5.1 QAK_IJ_001 --Query Acknowledgment
- USR 2.5.1 QPD_IJ_Z31 --Query Parameter Definition
- USR 2.5.1 QPD_IJ_Z32 --Query Parameter Definition
- USR 2.5.1 QPD_IJ_Z33 --Query Parameter Definition
- USR 2.5.1 QPD_IJ_Z34 --Query Parameter Definition
- USR 2.5.1 QPD_IJ_Z42 --Query Parameter Definition
- USR 2.5.1 QPD_IJ_Z44 --Query Parameter Definition
- USR 2.5.1 RCP_IJ --Response Control Parameter
- USR 2.5.1 RDF_IJ_001 --Table Row Definition
- USR 2.5.1 RDT_IJ_001 --Table Row Data
- USR 2.5.1 RXA_IJ_001 --Pharmacy/Treatment Administration

Connect To GVT Export Usage Filter Share Verify Close

SAVE RESET

Display Column + ADD

HELLO, Sheryl Taylor