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Dear HL7 Member,

The HL7 Public Health and Emergency Response Work Group have asked me to forward onto you a set of recommended corrections and modifications to the currently published “HL7 v2.5.1 Implementation Guide: Electronic Laboratory Reporting To Public Health (US Realm), Release 1.” The referenced current balloted informative Implementation Guide dated February 2010 can be found on the HL7 Web site under the Standards Tab > All HL7 Standards > V2 Messages.

A future balloted and published version of this Implementation Guide will contain these recommended changes. However, the Work Group felt that the activity in the US supporting the adoption of Meaningful Use Rules and a push for increased interoperability among providers and public health agencies warranted that this letter be sent out to insure that all who use this Implementation Guide have the most current information.

Please be sure to also review the Technical Guidance and Clarification notes on the last page of this document in addition to the tables of referenced chapter and section changes.

Sincerely,

A handwritten signature in black ink that reads "John J. Quinn".

# HL7 v2.5.1 IG: Electronic Laboratory Reporting To Public Health (US Realm), Release 1

## Errata and Clarifications

Approved by the HL7 Public Health and Emergency Response Work Group 9/29/2011

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### Errata

#	Chapter	Section	Element	Correction	Type of Correction
1	1	3	1st bulleted paragraph	Change 5th sentence from: "In this guide, an assigning authority is normally handled either as an ISO Object Identifier (OID)." to "In this guide, an assigning authority is normally handled as an ISO Object Identifier (OID)." (Remove "either" from sentence).	Typo
2	1	3	2nd bulleted paragraph	Add "not the least of which is semantic interoperability, the ability for a computer to understand and process exchanged data" to the end of the 2nd sentence.	Clarification

#	Chapter	Section	Element	Correction	Type of Correction
3	1	4.1	Table 1-1	<p>For the <b>hyphen</b> element in the <b>Usage</b> row: Change <b>Definition</b> from:            "The hyphen (-) Indicates the profile using the actor does not provide documentation of the structure containing the particular element or does not provide documentation of the particular element in the structure. For instance in a data type specification for CE, if a profile does not provide documentation of the CE data type, then each component of the data type would have a “-“ for the usage for the actor associated with that profile."            to:            "The hyphen (-) Indicates the profile as used by the actor does not provide documentation of the structure containing the particular element and/or does not provide documentation of the particular element in the structure. For instance in a specification for a CE data type, if a profile does not provide documentation of the CE data type for a particular actor, then each component of the data type would have a “-“ for the usage for the actor of that profile."</p>	Clarification
4	2	1.4.2		<p>In the 2nd paragraph, 4th sentence, change:            "That means that a particular accession number may be use repeatedly for different orders over time."            to            "That means that a particular accession number may be used repeatedly for different orders over time."            (Correct "use" to "used").</p>	Typo

#	Chapter	Section	Element	Correction	Type of Correction
5	2	1.4.2		3rd paragraph, 1st sentence, change "Another issue with matching results from multiple messages is because not all laboratories properly identify the assigning authority associated with an identifier (such as a placer or filler order number)." to "Another issue with matching results from multiple messages arises when all laboratories do not properly identify the assigning authority associated with an identifier (such as a placer of filler order number)."	Clarification
6	2	3.10	ED.3	Add to <b>Comments</b> column: "Guidance: LEN may need to be expanded upon implementation to accommodate all values."	Guidance
7	2	3.2	CNN.7	Add to <b>Comments</b> column: "Guidance: LEN may need to be expanded upon implementation to accommodate all values."	Guidance
8	2	3.24	PRL.3	Add sentence to <b>Comments</b> column: "Guidance: it is recommended that the maximum length follow the HL7 version 2.6 maximum of 250."	Guidance
9	2	3.26	RP.4	Add to <b>Comments</b> column: "Guidance: LEN may need to be expanded upon implementation to accommodate all values."	Guidance
10	2	3.36	XCN	Correct use of HL7 delimiter ^ for XCN.9 & 16 in example; replace ^ with & between OID and "ISO".	Typo

#	Chapter	Section	Element	Correction	Type of Correction
11	2	3.36	XCN.7	Add to <b>Comments</b> column: "Guidance: LEN may need to be expanded upon implementation to accommodate all values."	Guidance
12	2	3.37	XON	Correct use of HL7 delimiter ^ for XON.6 in example; replace ^ with & between OID and "ISO".	Typo
13	2	3.38	XPN.6	Add to <b>Comments</b> column: "Guidance: LEN may need to be expanded upon implementation to accommodate all values."	Guidance
14	2	3.5	CWE.7	Remove "The length has been increased to handle longer versioning strings." from <b>Description/Comments</b> column.	Technical correction
15	2	3.5	CWE.8	Remove "The length has been increased to handle longer versioning strings." from <b>Description/Comments</b> column.	Technical correction
16	2	3.6	CX.10	Remove "3..3" from <b>LEN</b> column	Typo
17	3	3	Table 3-2	Added Profile Assigning Authority Universal ID - ELR Receiver row with value 2.16.840.1.113883.9.11	Technical correction
18	3	3	Table 3-2	Added Profile Assigning Authority Universal ID - Lab Sender row with value 2.16.840.1.113883.9.10	Technical correction
19	3	3	Table 3-3	Added Profile Assigning Authority Universal ID - ELR Receiver row with value 2.16.840.1.113883.9.11	Technical correction
20	3	3	Table 3-3	Added Profile Assigning Authority Universal ID - Lab Sender row with value 2.16.840.1.113883.9.10	Technical correction
21	3	3	Table 3-4	Added Profile Assigning Authority Universal ID - ELR Receiver row with value 2.16.840.1.113883.9.11	Technical correction

#	Chapter	Section	Element	Correction	Type of Correction
22	3	3	Table 3-4	Added Profile Assigning Authority Universal ID - Lab Sender row with value 2.16.840.1.113883.9.10	Technical correction
23	4	1		Update <b>Segment in Standard</b> column from "FTI" to "FT1"	Typo
24	5	1	MSH-2	<b>Description/Comments</b> column: Change "Four characters, always appearing in the same order:  ^~\&# ." To "Five characters, always appearing in the same order:  ^~\&# ."	Typo
25	5	1	MSH-8	Delete "Not supported" from the <b>Description/Comments</b> column	Technical correction
26	5	1		Correct MSH example by updating MSH.21 with new OIDs	Technical correction
27	5	2		Correct SFT example by removing set ID and changing ^ before "ISO" to &. Example should read: "SFT Level Seven Healthcare Software, Inc.^L^^^^&2.16.840.1.113883.19.4.6&ISO^XX^^1234 1.2  An Lab System 56734  20080817"	Technical correction
28	5	5		Highlight PID-2 in yellow to indicate not supported.	Technical correction
29	5	7		Highlight PV1-40 in yellow to indicate not supported.	Technical Correction
30	5	7	PV1-52	Add to <b>Description/Comments</b> column: Guidance: this element should be not supported (X) for all profiles since it was removed (usage = B) as of HL7 version 2.3.1. Therefore, it is recommended that implementation profiles list this element as not supported.	Clarification & Guidance
31	5	8		Correct PV2 example segment by removing extra field delimiter after PV2-3.	Technical correction

#	Chapter	Section	Element	Correction	Type of Correction
32	5	9	ORC-13	Remove extra right square bracket (]) from <b>Cardinality</b> column.	Typo
33	5	9	ORC-14	<b>Description/Comments</b> column: Change " ELR Cardinality: ELR currently supports up to call back phone numbers." to " ELR Cardinality: ELR currently supports up to 2 call back phone numbers."	Typo
34	5	9	ORC-14	Update <b>Cardinality</b> from "[0..*]" to "[0..2]"	Technical Correction
35	5	9	ORC-22	Change <b>Cardinality</b> from "[1..*]" to "[1..*]" (add dot).	Typo
36	5	9	ORC-5	Add to <b>Description/Comments</b> column: "Guidance: A value in table HL70038 is shorter than the allowed minimum LEN; it is recommended that a minimum LEN of 1 be pre-adopted from HL7 version 2.8 upon implementation."	Guidance
37	5	10	OBR-13	Add to <b>Description/Comments</b> column: "Guidance: it is recommended that the length follow the HL7 version 2.7 maximum of 300=."	Guidance
38	5	10	OBR-17	Update last sentence in <b>Description/Comments</b> column from: "Note that ORC.17 Call Back Phone Number is constrained to contain the same value as this field." to "Note that ORC.14 Call Back Phone Number is constrained to contain the same value as this field."	Typo

#	Chapter	Section	Element	Correction	Type of Correction
39	5	10	OBR-22	Update format to reflect minimum precision of a minute. Change last line of description "YYYYMMDDHHMMSS.SS[...]+/-ZZZZ" to "YYYYMMDDHHMM[SS.SS]+/-ZZZZ"	Technical correction
40	5	10	OBR-25	Update Value Set from "V2 Result Status Value Set" to "HL70123"	Technical correction
41	5	10	OBR-3	Add "R" to <b>Lab Result Sender Usage</b> column	Technical correction
42	5	12	OBX-15	<b>HL7 Element Name</b> column: Change "Producer's Reference" to "Producer's ID"	Technical correction
43	5	12	OBX-2	Correct references to "section 5.8.1" to "section 6.1.1.1" in <b>Description/Comments</b> column.	Typo
44	5	12	OBX-24	Change <b>Description/Comments</b> column from: "Address of the laboratory that actually performed the test when used as a reference laboratory." to: "Address of the laboratory that actually performed the test."	Technical Correction
45	5	12	OBX-25	Remove the following sentence from the <b>Description/Comments</b> column: "Required when OBX-24 indicates the performing lab is in a jurisdiction that requires this information"	Technical Correction
46	5	12	OBX-8	<b>Description/Comments</b> column: Change "ELR-Note that this IG is adopting HL70078 form 2.7." to "ELR-Note that this IG is adopting HL70078 from 2.7."	Typo
47	5	12	OBX-8	Remove LEN value from OBX-8.	Technical Correction



#	Chapter	Section	Element	Correction	Type of Correction
48	5	12	OBX-8	Update examples in <b>Description/Comments</b> column to follow CWE (rather than IS or ID) data type & structure.	Technical Correction
49	5	13	SPM-14	Add to <b>Description/Comments</b> column: "Guidance: Implementers will need to decide the length to be supported if this element is supported."	Guidance
50	5	15		Highlight FHS-8 in yellow to indicate not supported.	Technical Correction
51	6	1		Add row to Table 6-1 for HL70123	Typo
52	6	1		Add row to Table 6-1 for "local" with <b>Description</b> "Local value sets/code systems are defined in implementation profiles"	Technical correction
53	6	1	HL70125	Update <b>Value Set/Code System</b> column to HL7 Version 2.6.	Technical Correction
54	6	1	HL70189	Change <b>Description</b> column from "A constrained version of the value set without the UNK value is available from PHIN VADS as: PHVS_EthnicityGroup_CDC" to "Also available from PHIN VADS as: PHVS_EthnicGroup_HL7_2x"	Technical correction
55	6	1	ICD-10	Change <b>Description</b> column from "TBD" to " For more information, see <a href="http://www.cdc.gov/nchs/icd/icd10cm.htm">http://www.cdc.gov/nchs/icd/icd10cm.htm</a> "	Technical correction
56	6	1.1.1	Table 6-3	Add DTM as value in value set; remove TS as value. Transfer TS usage codes for all profiles to DTM.	Technical Correction
57	7			Correct MSH.21 in all examples.	Technical correction
58	7			Removed set ID from all SFT examples in Chapter 7.	Technical correction
59	7		OBX-8	Correct example values in all examples in Chapter 7	Technical Correction

#	Chapter	Section	Element	Correction	Type of Correction
60	7	1		Correct use of HL7 delimiter ^ for XCN.9 & 16 in example; replace ^ with & between OID and "ISO" in PV2 and OBR segments.	Typo
61	7	1		Correct use of HL7 delimiter ^ for XON.6 in example; replace ^ with & between OID and "ISO".	Typo
62	7	1		Correct PV2 example segment by removing extra field delimiter after PV2-3.	Technical correction
63	7	2		Correct use of HL7 delimiter ^ for XCN.9 & 16 in example; replace ^ with & between OID and "ISO" in ORC and OBR segments.	Typo
64	7	2		Correct use of HL7 delimiter ^ for XON.6 in example; replace ^ with & between OID and "ISO".	Typo
65	7	2		Correct PV2 example segment by removing extra field delimiter after PV2-3.	Technical correction
66	7	4		Correct use of HL7 delimiter ^ for XCN.9 & 16 in example; replace ^ with & between OID and "ISO" in ORC and OBR segments.	Typo
67	7	4		Correct use of HL7 delimiter ^ for XON.6 in example; replace ^ with & between OID and "ISO".	Typo
68	7	4		Correct PV2 example segment by removing extra field delimiter after PV2-3.	Technical correction
69	7	5.1		Correct use of HL7 delimiter ^ for XCN.9 & 16 in example; replace ^ with & between OID and "ISO" in ORC and OBR segments.	Typo

#	Chapter	Section	Element	Correction	Type of Correction
70	7	5.1		Correct use of HL7 delimiter ^ for XON.6 in example; replace ^ with & between OID and "ISO".	Typo
71	7	5.3		Correct use of HL7 delimiter ^ for XCN.9 & 16 in example; replace ^ with & between OID and "ISO" in ORC segment.	Typo
72	7	5.3		Correct use of HL7 delimiter ^ for XON.6 in example; replace ^ with & between OID and "ISO".	Typo
73	7	5.4		Correct use of HL7 delimiter ^ for XCN.9 & 16 in example; replace ^ with & between OID and "ISO" in ORC and OBR segments.	Typo
74	7	5.4		Correct use of HL7 delimiter ^ for XON.6 in example; replace ^ with & between OID and "ISO".	Typo
75	A			Remove set ID from all SFT examples in Appendix A	Technical correction
76	A	2.1		Correct use of HL7 delimiter ^ for XCN.9 & 16 in example; replace ^ with & between OID and "ISO" in ORC and OBR segments.	Typo
77	A	2.1		Correct use of HL7 delimiter ^ for XON.6 in example; replace ^ with & between OID and "ISO".	Typo
78	A	3.1		Correct use of HL7 delimiter ^ for XCN.9 & 16 in example; replace ^ with & between OID and "ISO" in ORC and all 4 OBR segments.	Typo
79	A	3.1		Correct use of HL7 delimiter ^ for XON.6 in example; replace ^ with & between OID and "ISO".	Typo

## Technical Guidance and Clarification

1. Refer to the HL7 standard for any/all datatypes used but not described in the ELR guide.
2. It is recommended that elements with a TX datatype follow the HL7 v2.5.1 maximum length for that element (e.g., 250 for PRL-3).
3. PV1-52 has a usage code of B as of version 2.3; it is recommended that this element not be supported (usage = X) in ELR implementations.
4. It is recommended that the length constraint for OBR-13 follow the v2.7 length of 300=.
5. It is recommended that CWE.9 have a usage code of C (Conditional) with conditional rule that that CWE.9 must be populated if nothing else in the datatype is populated.
6. Unless otherwise specified, it is recommended that the granularity for the representation of date and time using the date/time (DTM) data type be minutes, with seconds and milliseconds optional. As mentioned in the Guide, "It is strongly recommended that the time zone offset always be included in the DTM particularly if the granularity includes hours, minutes, seconds, etc.":  
YYYYMMDDHHMM[SS.SSS]+/-ZZZZ.