Crosswalk – Common Events – ISO/HL7 Standards and ONC MU 2015 Edition (in GREEN) – DRAFT 27 June 2016				
#	**Record Entry Lifecycle Event**	**As specified in ISO/HL7 Standards ➔** Occurs when Record Entry(ies) ↓	•ISO/HL7 10781 EHR-S Functional Model Release 2 (2015) •ISO 21089 Trusted End-to-End Information Flows (2016 DTS) •HL7 FHIR Record Lifecycle Event Implementation Guide (part of FHIR DSTU-2, September 2015) **ONC MU 2015 Edition** Ref: ASTM 2147 Audit Events VDT= View/Download/Transmit	**Audit Event**
1	Originate/Retain	Content is originated and retained – often during the course of an Action itself – to document the Action and its context	Additions (retain)	Y
2	Update/Amend	Content is modified (from its original or previously retained state) – typically upon conclusion of an Action – to correct, update or complete content	Changes (retain)	Y
3	Translate/ Transform	Content is amended to include translation of content – typically to transform a) coded data from one coding/classification scheme to another, or alternatively b) one human language to another		
4	Attest	Content is attested for accuracy + completeness – typically during/after conclusion of an Action		
5	Access/View	Content is viewed or accessed	Access + VDT	Y
6	Output/Report	Content is output or reported	Print, Copy + VDT	Y
7	Disclose	Content is disclosed according to organizational policy and/or jurisdictional law	Disclose	N
8	Transmit	Content is transmitted – typically to an external entity or system	Transmit + VDT	N
9	Receive/Retain	Content is received and retained – typically from an external entity or system	Receive (retain)	Y
10	De-Identify	Content is transformed into de-identified version		
11	Pseudonymize	Content is transformed into an pseudonymized version		
12	Re-Identify	Content is re-identified from a previously pseudonymized version		
13	Extract	Content is extracted to render subsets, derivations, summaries or aggregations	Queries + VDT	Y
14	Archive	Are archived – typically to off-line (less readily available) storage media		
15	Restore	Are restored from archive		
16	Destroy/Delete	Are destroyed, deleted or identified as missing	Deletion	Y
17	Deprecate	Are deprecated if found to be improperly identified or otherwise invalid		
18	Re-Activate	Are made active again after being previously Destroyed/Deleted or Deprecated		
19	Merge	Are merged together		
20	Unmerge	Are unmerged from previous merge		
21	Link	Are linked together		
22	Unlink	Are unlinked from previous linkage		
23	Add Legal Hold	Are marked (and held in an unaltered state) for purposes of a legal hold (typically as the result of court or legal action)		
24	Remove Legal Hold	Are released from legal hold (previously marked and held in unaltered state)		
25	Verify	Content is verified for accuracy, completeness		
26	Encrypt	Content is encoded in a cipher or code	• Transmit/disclose • Retain (to datastore) • Close user session (on mobile device)	N Y N
27	Decrypt	Content is decoded from a cipher or code	• Access/view (from datastore) • Receive (retain) • Open user session (on mobile device)	Y Y N

ONC MU 2015 Edition = Analysis of Regulatory Language and Test Procedures