

ISO 10781 EHR System Functional Model Release 2

Report to ISO TC215 WG8

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ISO/HL7 10781 EHRS FM Release 2

Work in Progress


- Months of review
 - EHR WG Meetings: HL7 and SWAT
 - Weekly EHR Teleconferences
- Captures input from many sources including
 - ISO, CEN: R1.1 DIS/FDIS, R2 NWIP Ballots
 - 9 HL7 Functional Profiles
 - 10 CCHIT Functional Profiles
 - PHRS FM
- Incorporates HL7 EHR Interoperability and Lifecycle Models – previously HL7 DSTUs

Work in Progress

- Largely incorporates functions/criteria from Records Management/Evidentiary Support FP
- Adds 12-15 new functions
- Adds ~1000 new criteria
- Creates new xx.0 Sections for Overarching Criteria
- Makes explicit relationship between
 - Performance of Real-World Actions; which
 - Invoke Model Functions; which
 - May invoke Record Lifecycle Events; which
 - May invoke Audit Triggers

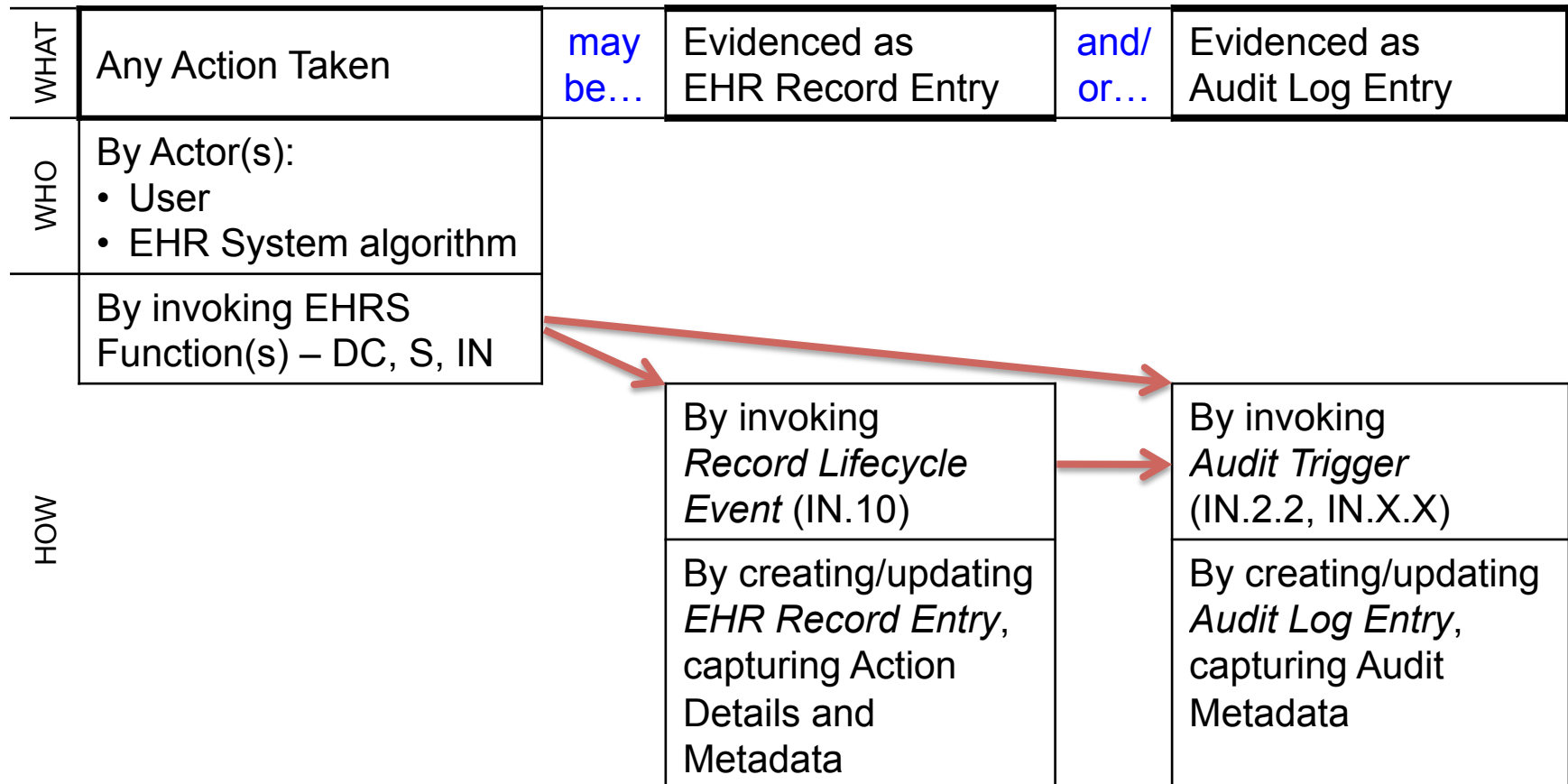
Relationship of Actions to EHR Record Entries

EHR FM R2 requires that Actions are documented by EHR Record Entries but does not prescribe specific relationship of Actions to Entries – one to one or many to one.

Sample Action Sequence	Example A: One to One	Example B: Many to One
1. Capture Patient Demographics, Start Ambulatory Encounter	Originate 1 st EHR Record Entry	 <p>Originate One Record Entry for Actions 1-6</p>
2. Take Vitals	Originate 2nd...	
3. Do History & Physical	Originate 3rd...	
4. Do Assessment	Originate 4th...	
5. Place Orders	Originate 5th...	
6. Complete Encounter	Originate 6th...	
Patient Encounter Documented in...	6 EHR Record Entries (6 “Originate” Lifecycle Events)	1 EHR Record Entry (1 “Originate” Lifecycle Event)
Later...	Amend (one or more) Entries	Amend (one) Entry

Evidence of Actions Taken

Record Lifecycle Events and Audit Triggers

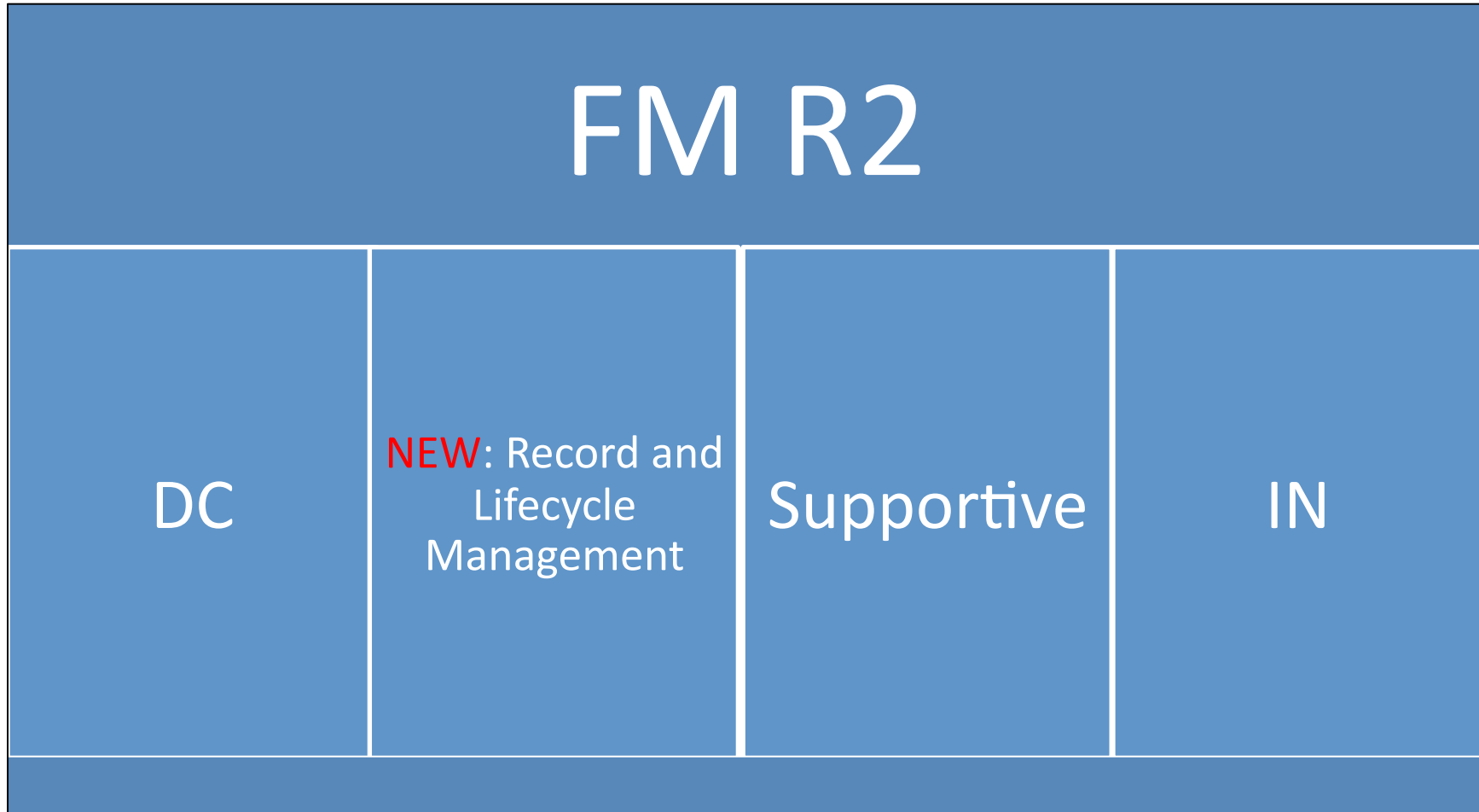


Work in Progress

- Newly Proposed: Records Management Chapter (RM)
 - IN.2 (current RM section), Record Archive and Record Lifecycle
- Reorganization
 - DC1 ↔ DC2, DC ↔ S
 - IN Audit Triggers: System, Security, Record
- Working with HL7 Security Co-Chairs to update IN.1 (Security)
- Working with NIST to incorporate US Meaningful Use Stage 1 & 2 Criteria

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Option for New Chapter



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Current IN Section

- IN.1 Security
- IN.2 Health Record Information & Mgt
- IN.3 Registry & Directory Services
- IN.4 Terminology & Services
- IN.5 Interchange Standards
- IN.6 Business Rules Mgt
- IN.7 Workflow Mgt
- IN.8 **New** – Backup & Restore
- IN.9 **New** - Archive & Restore
- IN.10 **New** – Lifecycle Event Mgt
- IN.11 **New** – Systems Operations, Management and Performance

ISO/HL7 10781 EHRS FM Release 2 Schedule

2011	February	Passed TC215 NWIP Ballot
	April/May	HL7 Ballots <ul style="list-style-type: none"> • EHRS FM R2 – Direct Care and Supportive • Three FPs: Public Health, Vital Records, Pharmacist/Pharmacy
	16-19 May	HL7 EHR WG Meeting – Orlando
	May – July	<ul style="list-style-type: none"> • Comment Reconciliation • Continued Development of IN and newly proposed Record Management (RM) Chapter
	28-30 June	HL7 EHR WG SWAT Meeting – Chicago and Washington DC
	1 August	Ballot Draft Ready
	Early October	TC215, TC251, CDISC, IHTSDO DIS Ballot Opens
	Early December	HL7 Normative Ballot Opens
2012	Early January	Joint Ballots Close
	16-19 January	HL7 EHR WG Meeting – San Antonio – Ballot Reconciliation
	And on...	Ballot Reconciliation and Re-Ballot if necessary

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Please Assist

- Need International Participation
 - Weekly Teleconferences
 - Tuesdays, 3PM US Eastern Time
 - 1-770-657-9270, passcode = 510269#