Data F	S&I Provenance	Source EHR System Events						Exchange	Receiving EHR System Events				♦TRUST Decision
HITSC DPROV TF Verbs		Create	Maintain	Change	Assemble	Compose	Export	→ →→	Import	Disassemble	Decompose	Maintain	Access
	tem Function?	(Originate) Yes	(Retain) Yes	(Update) Yes	Yes	Yes	(Transmit) Yes	No	(Receive) Yes	Yes	Yes	(Retain) Yes	(Use/View) Yes
		Human or											
w/Human	Participant? Exchange	Device Yes	No	Yes Yes (changed	No	Yes	No	No	No	No	Yes	No	Yes
Prov- enance Event?	No Transform	(new source record entry) Yes	No	source record entry) Yes (changed	N/A Yes (new	N/A Yes (new	No	No	No	N/A Yes	N/A Yes	No	No
	Exchange w/Transform	(new source record entry)	No	source record entry)	exchange artifact)	exchange artifact)	No	No	No	(new receiver record entry)	(new receiver record entry)	No	No
Audit, Tra Event?	aceability	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
WHO - Er			1		1					1			
Person		Person who is part of Action Taken and/or identified in record entry created	maintains record entry	Person who is identified in changed record entry	identified in assembled	Person who is identified in composed exchange artifact	Person who is identified in exported exchange artifact	t 0 e →→→	Person who is identified in imported exchange artifact	Person who is identified in disassembled exchange artifact	Person who is identified in decomposed exchange artifact	Person who is identified in maintained record entry	Person who is identified in accessed record entry
Organization		Organization who is source of record entry		Organization who is source of changed record entry		is composer of exchange artifact	exports exchange artifact			is disassembler of	Organization who is decomposer of exchange artifact	maintains record	Organization who views/accesses record entry content
System, Device or Software WHO - Entity Roles		System, device or software creating record entry	System, device or software maintaining record entry	System, device or software changing record entry	System, device or software assembling exchange artifact	System, device or software composing exchange artifact	System, device or software exporting exchange artifact		System, device or software importing exchange artifact	software disassembling	System, device or software decomposing exchange artifact	System, device or software maintaining record entry	System, device or software providing view/access to record entry
WHO - EI		Patient/Person		Patient/Person	Patient/Person	Patient/Person				Patient/Person	Patient/Person		
Subject/Ta	arget	who is subject of Action Taken and target of record entry		who is subject/target of record entry	who is subject/target of	who is subject/target of exchange artifact				who is subject/target of record entry	who is subject/target of record entry		
Device Author		Device who authored record entry Person who	- - - N/A	N/A Person who		N/A Person who composed exchange artifact	N/A	***	N/A		N/A Person who	N/A	N/A
Accountable Author		authored record entry		authored change to record entry	N/A						decomposed exchange artifact		
Enterer		Person or device who entered record entry		N/A							N/A		
Verifier		Person who verified record entry											
Attester		Person who attested record entry											
Performer		Person who is performer of Action Taken											
Informant		Person who is informant to Action Taken											
Participant Viewer, Accesser, User		Person who is participant in Action Taken											
		N/A											Person who views/accesses record entry content
WHAT													
Action Tal	ken	What Action was taken, as documented in record entry	N/A	N/A	N/A	N/A	N/A		N/A	N/A	N/A	N/A	N/A
Chain of Trust Event		What event occurred: originate	What event occurred: maintain (retain)	What event occurred: change (update)	occurred:	What event occurred: compose	What event occurred: export (transmit)	,,, ,	What event occurred: import (receive)	What event occurred: disassemble	What event occurred: decompose	What event occurred: maintain (retain)	What event occurred: access (use/view)
Provenan	ce Event	N/A	N/A	Original source record entry content (retained) New record entry content (retained)	Original source record entry content (retained) New exchange artifact originated	Original source record entry content (retained) New exchange artifact originated	N/A	777	N/A	Exchange artifact content (retained or deleted?) New receiver record entry content	Exchange artifact content (retained or deleted?) New receiver record entry content	New receiver record entry content (retained)	N/A
WHEN		Mhon Action was									1	1	
Action Date/Time		When Action was taken	N/A When record entry was maintained/ retained	entry was	artifact was	N/A When exchange artifact was composed	N/A		N/A When exchange	N/A When exchange	N/A When exchange	N/A When record entry was	N/A When record
Action Duration Data Event		Duration of Action					When exchange artiface was exported						
		entry was created							artiface was imported	artifact was disassembled	artifact was decomposed	maintained/ retained	entry was viewed/accessed
WHERE		Physical location											
Action Physical Location Data Location WHY		N/A Note Action N/A Network address Where record entry was created maintained/ retained		N/A Network address	N/A Network address N	N/A	N/A Network address	→ → →	N/A Network address	N/A Network address	N/A Network address	N/A Network address	N/A Network address
			where record entry was changed	where exchange	where exchange artifact was composed	where exchange artifact was exported		where exchange artifact was imported	where exchange artifact was disassembled	where exchange artifact was decomposed	where record entry was maintained/ retained	where record entry was viewed/accessed	
Action Reason		Why Action was		Why Action was	N/A	N/A	N/A	***		N/A M	N/A		Why record entry was accessed/viewed
		taken Why record entry content was created		taken Why record entry content was changed	Why exchange	Why exchange artifact was composed	Why exchange artifact was exported			Why exchange artifact was disassembled	Why exchange artifact was decomposed	N/A	
Additiona	al Provenace Me			onungeu	assembled	Joonipuseu	ехронеа			3.30336110/80			
Author Signature		Digital signature of record entry author		Digital signature of record entry change author	N/A	Digital signature of exchange artifact composer	N/A			N/A	Digital signature of exchange artifact decomposer		
System, D Software S	evice or Signature	Digital signature of system, device or software creating record entry	N/A	of system, device or software	of system, device or software assembling	Digital signature of system, device or software composing exchange artifact		}}}		or software disassembling	Digital signature of system, device or software decomposing exchange artifact	N/A	N/A