



ITL Type 98 Information Assurance Record

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ITL Type 98 Refresher



- Optional Record Type
- User-Defined Fields for actual IA data (defined by child standards)
- Specifies Fields for Format Owners and Format Types
- Contains an Audit Log Field which can be used (optional field) to populate changes to an ITL Record. Subfields are (* = required if Audit Log is used):
 - Event* (Added, Modified, Deleted, Corrupted)
 - Event Reason
 - Field ID*
 - OldValue*
 - Agent*



Updates from Type 98 Working Group



- Met during Fall 2010
- Corrected field numbering to be consistent with known reserved fields
- Removed IA Data Block –Left IA Data as user-defined
- Added an optional Audit Log
- Adjusted time/date format to be consistent with other records
- Developed Best Practice Guidance document for implementation
 - *Detailed implementation guidance for both encodings*
 - *Uses multiple user-defined fields depending on encoding*
- XML WG has developed schema and sample instance



ITL Type 98 Record



Mnemonic	Cond code*	Field number	Character Type	Value Constraints	Field name	Occur count	
						Min	Max
	M	98.001			Record Header	1	1
IDC	M	98.002	N; m=1;M= 3	0 < IDC < 255	Image Designation Character	1	1
DFO	M	98.003	AN (hex); m=4; M=4	Valid hex number	IA Data Format Owner	1	1
ORG	M	98.004	Container for Subfields		Originating Agency	1	1
ORI	M		ANS; m=1; M=35		Originating agency identifier	1	1
OAN	O		ANS; m=1; M=125		Originating agency name	0	1
DFT	M	98.005	ANS; m=1; M=125		IA Data Format Type	1	1
DCD	M	98.006	Dependent upon encoding	DCD < Today's date and time	IA Data Creation Date	1	1
RSV		98.007-98.199			Reserved For Future Definition		
UDF		98.200-98.899			User-Defined Fields		
ALF	O	98.900	Container for Subfields		IA Audit Log	0	∞
RSV		98.901-999			Reserved For Future Definition		



98.900 Audit Log Field



Mnemonic	Cond code*	Character Type	Value Constraints	Subfields	Occur count	
					Min	Max
ARN	MY	N; m=1; M=200	Non-repeating, unique to each ALF	Audit Revision Number	1	1
Repeating Subfields: 5-Tuples						
EVT	MY	A; m=5; M=9	EVT = Added, Modified, Deleted or Corrupted	Event	1	∞
EVR	O	ANS; m=1; M=200		Event reason	0	∞
IID	MY	ANS; m=15; M=30	Field number exists, Repeat count valid for the field number, Mnemonic exists	Information Identifier	1	∞
AGT	MY	ANS; m=1; M=200		Agent	1	∞
OLD	O	ANS; m=1; M=200		Value of data information prior to Event occurrence	1	∞



QUESTIONS?



Extra Slides



Cryptographic Binding (a visualization)





Validation of a Cryptographic Binding





IA of Biometric Identity Management from Edge to Core

