Maturity Model	Sub Group	*sub detail 1*	*sub detail 2*		Legacy
Interface Integration					
	Interfaces				
		Access to data			**x**
		API			
		data movement To other apps			**x**
	Componentized				
		separate interoperable components			
			Partial Full with GRID		
	Standards				
		Interchange formats Messaging			
	Platform independence				
		OS			

Maturity Model	Sub Group	*sub detail 1*	*sub detail 2*		Legacy
Vocabularies / Terminologies & Ontologies					
	Vocabulary types				
		Free text Controlled			**x**
			Local Standard		**x?**

Maturity Model	Sub Group	*sub detail 1*	*sub detail 2*		Legacy
Data Elements					
	Metadata				
		None Non-standard Standard			**x**

ISO 11179
caBIG
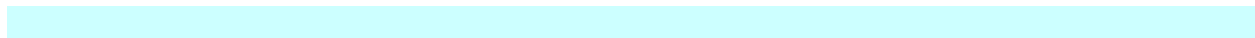
Retrieval from external source with shared apps.

Harmonization

Re-use across domain workspace

Programmatic Access to

Maturity Model	Sub Group	*sub detail 1*	*sub detail 2*	Legacy
Information Models				
	Models			
		None *Non-standard* *Standard*		**x**
			UML	
		Harminization		
			Re-use across domain workspace	

CTMS examples	Bronze	CTMS examples	Silver	CTMS examples	Gold
local free text files	x	client/server	x	Web-browser based?	x
	x	java (not open)	x	java (Open & described)	x
FTP	x	ODBC	x	ODBC, Web services or CGI	x
	x	Crystal Reports	x		x
					x
			x	Schedule links to eCRFs	x
					x
					x
			x	XML	x
			x	HL7	x
			x	Works on Mac & Windows	x

CTMS examples	Bronze	CTMS examples	Silver	CTMS examples	Gold
Used throughout	x	Some allowed	x	minimal	x
	x	Controlled by select lists	x	some	x
	x	EVS or SNOMED	x	EVS with CDEs	x

CTMS examples	Bronze	CTMS examples	Silver	CTMS examples	Gold
	x	locally developed			

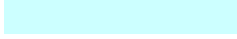| CTMS examples	Bronze	CTMS examples	Silver	CTMS examples	Gold
			x	ISO 11179	
					x
	x	shared with local developed CRF app.	x	shared with caBIG AE app.	x
			x		x
					x
CTMS examples	**Bronze**	**CTMS examples**	**Silver**	**CTMS examples**	**Gold**
	x				
			x		
					x

CTMS examples

CTMS examples

CTMS examples

caBIG

Shared with all
caBIG domain
apps.

CTMS examples