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As part of the mandatory submission of electronic data to the authorities, annotated Case Report Forms (aCRF) are included. Clinical Data Interchange Standards Consortium (CDISC) has determined the requirements imposed by the regulatory body to guarantee that variable annotations are placed in their corresponding fields of CRF. This will create an efficient way for the reviewer to check the metadata definitions by tracing data originating from the CRF. However, there is a challenge to achieve the desired outcome in an efficient way, since there are many sources of data to be combined and many features to be dealt with, such as the font, color and placement of the annotation boxes. In this paper we conduct such an analysis by using both SAS and Excel, showing the advantages and disadvantages of such an approach.

	A	B	C
1	CRFPAGE	VARIABLE	ORIENTATION
2	24	DM.STUDYID	3
3	24	DM.SITEID	3
4	24	___.VISITNUM	3
5	24	DM.SUBJID	3
6	24	SUPPDM.QVAL when QNAM = "RACEOTH"	3
7	25	CM.CMROUTE	4
8	25	CM.DTC	4
9	25	CM.CMOCCUR	4
10	25	CM.CMTRT	4
11	25	[NOT SUBMITTED]	4

Labsample [frmLabsample__8]		
[NOT SUBMITTED] LB.LBREFID [NOT SUBMITTED] LB.LBDTC LB.LBDTC LB.LBNAME	[itmLabsampleDrawn] [A:2] ☐ [itmBarcode] Yes, please record Label A20 [itmLabelSubjectCode] and please record Subject Code on Label A3 [A:1] ☐ No	
3. Draw TIME ☒	[itmDrawDate] Req/Unk ☐ / Req/Unk ☐ / Req ☐ (2010-2012)	
4. Labno Identifier [hidden] ☒	[itmDrawTime] Req/Unk ☐ : Req/Unk ☐ 24-hour clock	
	[itmLabnoID] N2	

Labsample [frmLabsample___8]	
1.* ✓	Was sample drawn? [itmLabsampleDrawn] [A:2] ☐ [itmBarcode] Yes, please record Label A20 [NOT SUBMITTED] [itmLabelSubjectCode] and please record Subject Code on Label A3 [LB.LBREFID] [A:1] ☐ No [NOT SUBMITTED]
2. ✓	Draw Date [itmDrawDate] Req/Unk / Req/Unk / Req (2010-2012) [LB.LBDTC]
3. ✓	Draw Time [itmDrawTime] Req/Unk : Req/Unk 24-hour clock [LB.LBDTC]
4.* ✓	Labno identifier [hidden] [itmLabnoID] N2 [LB.LBNAM]

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