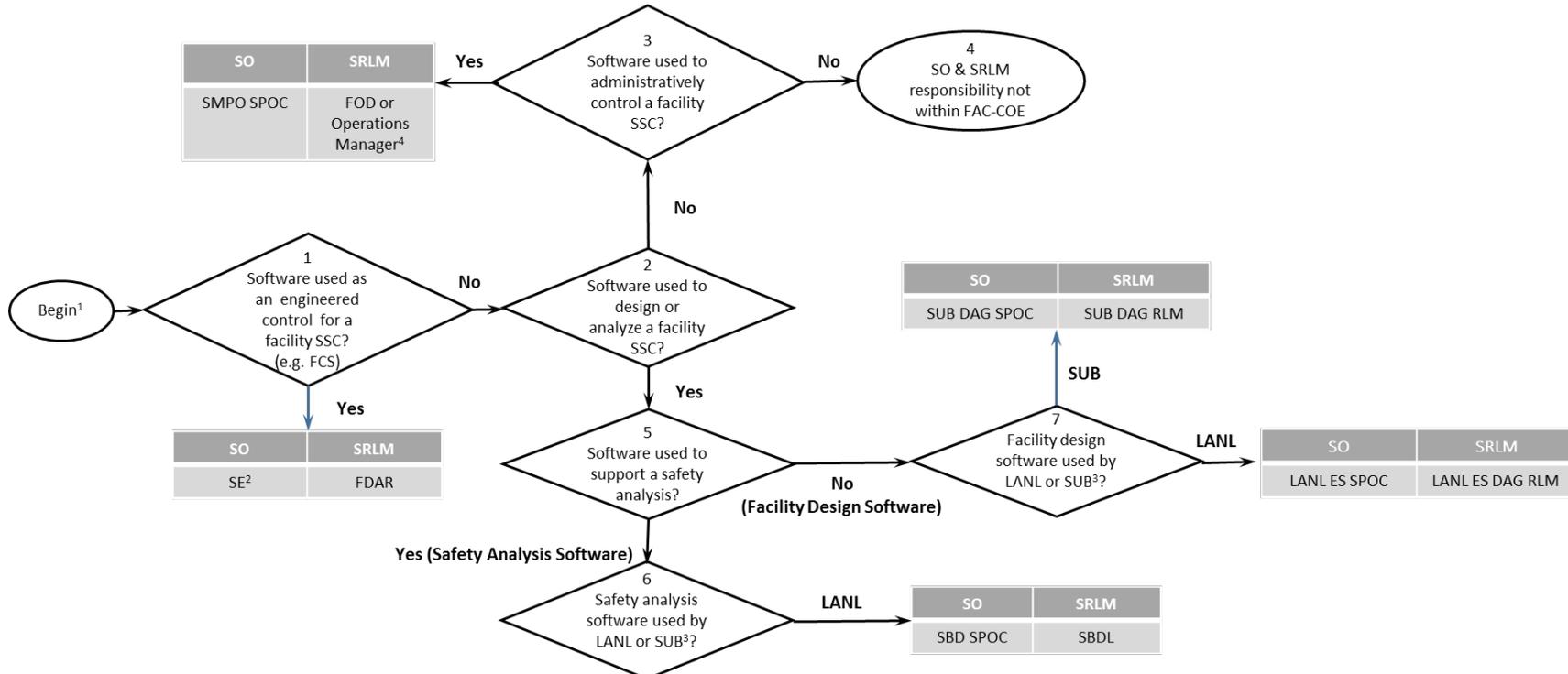**APPENDIX B:**   **SO AND SRLM DECISION DIAGRAM FOR FAC-COE**

Use Figure 21.1-B1 to identify the SO and SRLM. For clarification, contact the Facility Design Authority Representative (FDAR).

- For software used within a single facility/application and/or under a single FDAR, the associated FDAR has the ultimate authority to determine the appropriate SO and SRLM.

- For software used among multiple facilities/applications where there may be multiple FDARs, the LANL Facility Design Authority (DA) has the ultimate authority to make the determination.

Figure 21.1-B1 SO and SRLM Determination for FAC-COE (Guidance)

Begin[1]

1 Software used as an engineered control for a facility SSC? (e.g. FCS) — **No** → **2** Software used to design or analyze a facility SSC?

1 — **Yes** →

SO	SRLM
SE[2]	FDAR

2 — **No** → **3** Software used to administratively control a facility SSC?

3 — **Yes** →

SO	SRLM
SMPO SPOC	FOD or Operations Manager[4]

3 — **No** → **4** SO & SRLM responsibility not within FAC-COE

2 — **Yes** → **5** Software used to support a safety analysis?

5 — **No (Facility Design Software)** → **7** Facility design software used by LANL or SUB[3]?

7 — **SUB** →

SO	SRLM
SUB DAG SPOC	SUB DAG RLM

7 — **LANL** →

SO	SRLM
LANL ES SPOC	LANL ES DAG RLM

5 — **Yes (Safety Analysis Software)** → **6** Safety analysis software used by LANL or SUB[3]?

6 — **LANL** →

SO	SRLM
SBD SPOC	SBDL

6 — **SUB** →

SO	SRLM
SUB SBA	SUB SBA RLM

NOTES:

[1] Answer the questions to determine the SO and SRLM.

[2] Once operating, normally the plant system engineer, process engineer, or cognizant system engineer. During larger projects, functions are often performed by Design Agency.

[3] As flowed down in supplier/subcontractor agreement.

[4] For software used across multiple FODs, the SMP Program Owner should be the SRLM.

[5] For clarification, contact the FDAR who has the ultimate authority to determine the appropriate SO and SRLM.

KEY:

DAG	Design Agency		SBDL	**Safety Basis Division Leader**
ES	Engineering Services Division		SE	System Engineer
FAC-COE	Facility Conduct of Engineering		SMPO	Safety Management Program Owner
FCS	Facility Control System		SO	Software Owner
FDAR	Facility Design Authority Representative		SPOC	Software Point of Contact
FOD	Facility Operating Director		SRLM	Software Responsible Line Manager
MAR	Material at Risk		SSC	System, Structure, Component
RLM	Responsible Line Manager		SUB	Subcontractor
SBA	Safety Basis Analyst			