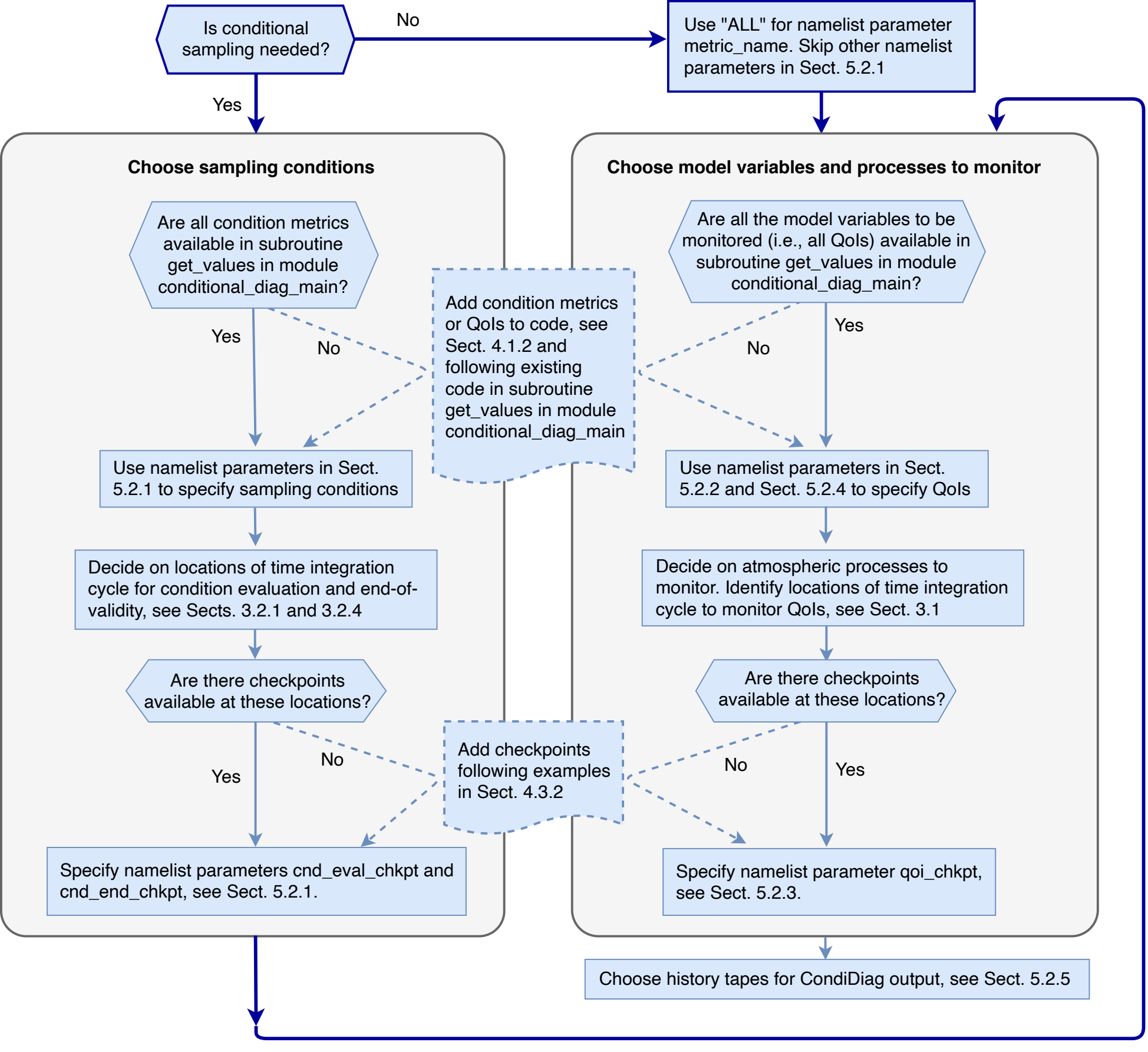
Is conditional sampling needed?
No
Use "ALL" for namelist parameter metric_name. Skip other namelist parameters in Sect. 5.2.1
Yes
Choose sampling conditions
Are all condition metrics available in subroutine get_values in module conditional_diag_main?
Yes
No
Add condition metrics or QoIs to code, see Sect. 4.1.2 and following existing code in subroutine get_values in module conditional_diag_main
Use namelist parameters in Sect. 5.2.1 to specify sampling conditions
Decide on locations of time integration cycle for condition evaluation and end-of-validity, see Sects. 3.2.1 and 3.2.4
Are there checkpoints available at these locations?
Yes
No
Add checkpoints following examples in Sect. 4.3.2
Specify namelist parameters cnd_eval_chkpt and cnd_end_chkpt, see Sect. 5.2.1.
Choose model variables and processes to monitor
Are all the model variables to be monitored (i.e., all QoIs) available in subroutine get_values in module conditional_diag_main?
Yes
No
Use namelist parameters in Sect. 5.2.2 and Sect. 5.2.4 to specify QoIs
Decide on atmospheric processes to monitor. Identify locations of time integration cycle to monitor QoIs, see Sect. 3.1
Are there checkpoints available at these locations?
No
Yes
Specify namelist parameter qoi_chkpt, see Sect. 5.2.3.
Choose history tapes for CondiDiag output, see Sect. 5.2.5