Functional coverage plan

SR NO.	Coverpoints	Description	No. of Bins created	Status
1	MODE_CP	To check whether ALU operates in logical or arithmetic	2	not started
2	INP_VALID_CP	To check whether ALU creates all possible input valid cases	4	not started
3	CMD_CP	To check whether ALU covers all the possible commands	14	not started
4	OPA_CP	To check whether ALU operand A is covering a value	depends on width	not started
5	OPB_CP	To check whether ALU operand B is covering a value	depends on width	not started
6	CIN_CP	To check whether ALU operand CIN is covering a value	2	not started
7	CMD_CP X INP_VALID_CP	To check all possible combination of CMD with INP_VALID are covered	14x4	not started
8	CMD_CP X MODE_CP	To check all possible combination of CMD with MODE are covered	14x2	not started
9	RES_CP	To check all possible res values	depends on width	not started
10	COUT_CG	To check all possible cout value	2	not started
11	ERR_CG	To check all possible err value	2	not started
12	OFLOW_CG	To check all possible oflow value	2	not started
13	G_CG	To check all possible g value	2	not started
14	L_CG	To check all possible l value	2	not started
15	E_CG	To check all possible e value	2	not started