TABLE VIII: Operator Authority Limits

start state	expected next-state	actual next-state	dangerous scenarios
Following	Speed_Control	Standby Following Override Hold	7, 8 5, 6, 7, 8 7, 8 7, 8
	Standby Following Override Hold	Speed_Control	5, 6 1, 2, 3, 4, 5, 6 5, 6 3, 4

TABLE IX: Inconsistent Behavior

start-state	expected next-state	actual next-state	dangerous scenarios
Following	Standby	Error	None
Following	Error	Standby	None
Following	Error	Speed_Control	None
Following	Hold	Following	None
Following	Override	Error	None
Following	Following	Error	1, 2, 3, 4
Following	Off	Error	None
Following	Error	Hold	None
Following	Speed_Control	Error	7, 8
Following	Following	Hold	None
Following	Error	Override	None
Following	Error	Following	None
Following	Error	Off	None
Following	Hold	Error	3, 4
Speed_Control	Standby	Error	None
Speed_Control	Error	Standby	None
Speed_Control	Following	Speed_Control	1, 2, 3, 4, 5, 6
Speed_Control	Following	Override	None
Speed_Control	Following	Standby	1, 2, 3, 4
Speed_Control	Error	Following	None
Speed_Control	Off	Error	None
Speed_Control	Override	Error	None
$Speed_Control$	Error	$Speed_Control$	None
$Speed_Control$	Speed_Control	Following	5, 6, 7, 8
$Speed_Control$	Override	Following	5, 6
$Speed_Control$	Following	Error	1, 2, 3, 4
$Speed_Control$	Error	Override	None
$Speed_Control$	Standby	Following	5, 6
$Speed_Control$	Error	Off	None
$Speed_Control$	Speed_Control	Error	7, 8
Override	Error	Off	None
Override	Off	Error	None
Override	Error	Override	None
Override	Following	Error	1, 2, 3, 4
Override	Speed_Control	Error	7, 8
Override	Override	Error	None
Override	Error	Following	None
Override	Error	Speed_Control	None

TABLE X: Nondeterminism

start state	expected next-state	actual next-state	dangerous scenarios
Standby	Speed_Control	Following	5, 6, 7, 8
Standby	Following	Speed_Control	1, 2, 3, 4, 5, 6
Override	Speed_Control	Following	5, 6, 7, 8
Override	Following	Speed_Control	1, 2, 3, 4, 5, 6
Hold	Hold	Error	3, 4
Hold	Error	Hold	None
Hold	$Speed_Control$	Hold	7, 8
Hold	Hold	Speed_Control	3, 4
Hold	Following	Standby	1, 2, 3, 4
Hold	Standby	Following	5, 6
Hold	Following	Off	1, 2, 3, 4
Hold	Off	Following	5, 6
Hold	Following	Hold	None
Hold	Hold	Following	None
Hold	Following	Override	None
Hold	Override	Following	5, 6
Hold	Standby	Hold	None
Hold	Hold	Standby	3, 4
Hold	Standby	Off	None
Hold	Off	Standby	None
Hold	Override	Hold	None
Hold	Hold	Override	None
Hold	Following	Error	1, 2, 3, 4
Hold	Error	Following	None
Hold	Hold	Off	3, 4
Hold	Off	Hold	None
Hold	Speed_Control	Standby	7, 8
Hold	Standby	Speed_Control	5, 6
Hold	Off	Speed_Control	5, 6
Hold	Speed_Control	Off	7, 8
Hold	Standby	Error	None
Hold	Error	Standby	None
Hold	Speed_Control	Following	5, 6, 7, 8
Hold	Following	Speed_Control	1, 2, 3, 4, 5, 6
Hold	Standby	Override	None
Hold	Override	Standby	None
Hold	$Speed_Control$	Override	7, 8
Hold	Override	$Speed_Control$	5, 6
Hold	Error	Override	None
Hold	Override	Error	None
Hold	Override	Off	None
Hold	Off	Override	None
Hold	Off	Error	None
Hold	Error	Off	None
Hold	${\tt Speed_Control}$	Error	7, 8
Hold	Error	Speed_Control	None

TABLE XI: Indirect Mode Changes

start state	expected next-state	actual next-state	dangerous scenarios
Following	Following Error Hold Following Following Speed_Control	Error Following Following Speed_Control Hold Following	1, 2, 3, 4 None None 1, 2, 3, 4, 5, 6 None 5, 6, 7, 8
Speed_Control	Speed_Control Following Speed_Control Error	Following Speed_Control Error Speed_Control	5, 6, 7, 8 1, 2, 3, 4, 5, 6 7, 8 None
Hold	Hold Standby Off Override Speed_Control Following Error Hold Hold Hold Hold	Standby Hold Hold Hold Hold Hold Off Override Following Speed_Control Error	3, 4 None None 7, 8 None None 3, 4 None None 3, 4 3, 4 3, 4
Override	Override Error	Error Override	None None