

Appendix A: Test Sequence

Note: A shaded Path History box indicates it appears more than once

						old	new	old	new			old	new	Tests Condition												
	Index	Outcome/ Special	Selector	Path History	Path History	Local Ctr	Local Ctr	Global Ctr	Global Ctr	Model	MP?	Sel Ctr	Sel Ctr	1	2	3	4	5	6	7	8	9	10	11	12	13
1		A Uncond		000000000000	00	100	101	10	11	Taken		wg	wg									x				
2		B Call		000000000001	01	100	101	10	11	Taken		wg	wg									x				
3		C Return		000000000011	03	100	101	10	11	Taken		wg	wg									x				
4		1 Taken	global	000000000111	07	100	101	10	11	Taken		wg	wg	x												
5		2 Not	global	000000001111	0F	100	011	10	01	Taken	x	wg	wg	x											x	
6		3 Taken	global	000000011110	1E	100	101	10	11	Taken		wg	wg	x												
7		1 Taken	global	000000111101	3D	101	110	10	11	Taken		wg	wg	x												
8		2 Not	global	000001111011	7B	011	010	10	01	Taken	x	wg	wl	x											x	
9		4 Taken	global	000011110110	F6	100	101	10	11	Taken		wg	wg	x												
10		2 Not	global	000111101101	1ED	010	001	10	01	Taken	x	wg	wl	x											x	
11		4 Taken	global	001111011010	3DA	101	110	10	11	Taken		wg	wg	x												
12		2 Not	global	011110110101	7B5	001	000	10	01	Taken	x	wg	wl	x											x	
13		3 Taken	global	111101101010	F6A	101	110	10	11	Taken		wg	wg	x												
14		2 Not	global	111011010101	ED5	000	000	10	01	Taken	x	wg	wl	x					x						x	
15		3 Taken	global	110110101010	DAA	110	111	10	11	Taken		wg	wg	x												
16		1 Taken	global	101101010101	B55	110	111	10	11	Taken		wg	wg	x												
17		1 Taken	global	011010101011	6AB	111	111	10	11	Taken		wg	wg	x					x							
18		1 Not	global	110101010111	D57	111	110	10	01	Taken	x	wg	wg	x											x	
19		2 Taken	global	101010101110	AAE	000	001	10	11	Taken		wg	sg	x												
20		2 Not	global	010101011101	55D	001	000	10	01	Taken	x	wg	wl	x											x	
21		3 Taken	global	101010111010	ABA	111	111	10	11	Taken		wg	wg	x					x							
22		1 Not	global	010101110101	575	110	101	10	01	Taken	x	wg	wg	x											x	
23		2 Taken	global	101011101010	AEA	000	001	10	11	Taken		wg	sg	x												
24		1 Not	global	010111010101	5D5	101	100	10	01	Taken	x	wg	wg	x											x	
25		2 Taken	global	101110101010	BAA	001	010	10	11	Taken		wg	sg	x												
26		1 Taken	global	011101010101	755	100	101	10	11	Taken		wg	wg	x												
27		1 Taken	global	111010101011	EAB	101	110	10	11	Taken		wg	wg	x												
28		2 Not	global	110101010111	D57	010	001	01	00	Not		wg	wg	x									x			

29	2 Taken	global	101010101110	AAE	001	010	11	11	Taken	sg	sg	x	x		x	x	
30	2 Not	local	010101011101	55D	010	001	01	00	Not	wl	wl		x			x	
31	3 Taken	global	101010111010	ABA	111	111	11	11	Taken	wg	wg	x	x	x		x	
32	1 Not	global	010101110101	575	110	101	01	00	Not	wg	wg	x				x	
33	2 Not	global	101011101010	AEA	001	000	11	10	Taken	x	sg	wg	x			x	x
34	2 Not	global	010111010100	5D4	010	001	10	01	Taken	x	wg	wl	x				x
35	3 Not	global	101110101000	BA8	111	110	10	01	Taken	x	wg	wg	x				x
36	4 Not	global	011101010000	750	110	101	10	01	Taken	x	wg	wg	x				x
37	5 Taken	global	111010100000	EA0	100	101	10	11	Taken		wg	wg	x				
38	1 Taken	global	110101000001	D41	101	110	10	11	Taken		wg	wg	x				
39	2 Taken	global	101010000011	A83	001	010	10	11	Taken		wg	wg	x				
40	1 Taken	global	010100000111	507	110	111	10	11	Taken		wg	wg	x				
41	2 Not	global	101000001111	A0F	010	001	10	01	Taken	x	wg	wl	x				x
42	3 Taken	global	010000011110	41E	110	111	10	11	Taken		wg	wg	x				
43	1 Taken	global	100000111101	83D	111	111	10	11	Taken		wg	wg	x		x		
44	1 Taken	local	000001111011	7B	111	111	01	10	Taken		wl	sl		x	x		x
45	2 Not	global	000011110111	F7	001	000	10	01	Taken	x	wg	wl	x				x
46	3 Taken	global	000111101110	1EE	111	111	10	11	Taken		wg	wg	x		x		
47	2 Not	global	001111011101	3DD	000	000	10	01	Taken	x	wg	wl	x		x		x
48	3 Taken	global	011110111010	7BA	111	111	10	11	Taken		wg	wg	x		x		
49	2 Not	global	111101110101	F75	000	000	10	01	Taken	x	wg	wl	x		x		x
50	3 Not	global	111011101010	EEA	111	110	10	01	Taken	x	wg	wg	x				x
51	4 Not	global	110111010100	DD4	101	100	10	01	Taken	x	wg	wg	x				x
52	5 Not	global	101110101000	BA8	101	100	01	00	Not		wg	sg	x				x
53	6 Not	global	011101010000	750	100	011	01	00	Not		wg	sg	x				x
54	7 Taken	global	111010100000	EA0	100	101	11	11	Taken		wg	wg	x	x			x
55	1 Taken	global	110101000001	D41	111	111	11	11	Taken		wg	wg	x	x	x		x
56	2 Taken	global	101010000011	A83	000	001	11	11	Taken		wg	sg	x	x			x
57	2 Taken	global	010100000111	507	001	010	11	11	Taken		wg	sg	x	x			x
58	2 Not	local	101000001111	A0F	010	001	01	00	Not		wl	wl		x			x
59	3 Taken	global	010000011110	41E	110	111	11	11	Taken		wg	wg	x	x			x
60	2 Taken	global	100000111101	83D	001	010	11	11	Taken		wg	sg	x	x			x
61	2 Not	local	000001111011	7B	010	001	10	01	Not		sl	sl		x		x	x
62	3 Taken	global	000011110110	F6	111	111	11	11	Taken		wg	wg	x	x	x		x

63	2 Not	global	000111101101	1ED	001	000	01	00	Not	wg	wg	x				x	
64	3 Taken	global	001111011010	3DA	111	111	11	11	Taken	wg	wg	x	x	x		x	
65	2 Not	local	011110110101	7B5	000	000	01	00	Not	wl	wl		x		x	x	
66	3 Not	global	111101101010	F6A	111	110	11	10	Taken	x	wg	wg	x			x	x
67	4 Not	global	111011010100	ED4	100	011	10	01	Taken	x	wg	wg	x				x
68	5 Not	global	110110101000	DA8	100	011	10	01	Taken	x	wg	wg	x				x
69	6 Not	global	101101010000	B50	011	010	10	01	Taken	x	wg	wl	x				x
70	7 Taken	global	011010100000	6A0	101	110	10	11	Taken		wg	wg	x				
71	1 Taken	global	110101000001	D41	111	111	11	11	Taken		wg	wg	x	x	x		x
72	2 Taken	global	101010000011	A83	000	001	11	11	Taken		sg	sg	x	x		x	x
73	A Uncond		010100000111	507	101	110	11	11	Taken		sg	sg		x		x	x
74	2 Not	local	101000001111	A0F	001	000	00	00	Not	wl	wl		x	x		x	x
75	3 Taken	global	010000011110	41E	111	111	11	11	Taken		wg	wg	x	x	x		x
76	B Call	global	100000111101	83D	101	110	11	11	Taken		sg	sg	x	x		x	x
77	2 Taken	local	000001111011	7B	000	001	01	10	Not	x	sl	sl		x		x	x
78	3 Not	local	000011110111	F7	111	111	01	10	Taken	x	wl	wg		x	x	x	x
79	4 Taken	global	000111101110	1EE	011	100	11	11	Taken		wg	sg	x	x		x	
80	1 Not	local	001111011101	3DD	111	110	01	00	Taken	x	wl	wg		x		x	x
81	2 Taken	global	011110111010	7BA	001	010	11	11	Taken		wg	sg	x	x		x	
82	1 Not	local	111101110101	F75	110	101	01	00	Taken	x	wl	wg		x		x	x
83	C Return	global	111011101010	EEA	101	110	01	11	Taken		wg	wl	x			x	x