

3/22/2017 12:51																						SAND2017-2818C		
System		Mk #	Mods	Wpn Type	LANL	LLNL	Ck'd	Phase 1/2	Phase 3	Phase 4	FPU Phase 5	FPU Phase 6	Production Complete	Begin Phase 7	Begin Inactive Reserve	Complete Phase 7	Canceled	Phase 3 - 5	Life (yrs)	Phase Date References				
1.	Fat Man	FM	1	Bomb	1		x	8/42	6/43			8/45	12/48	3/49		7/49			2.2	5.5	1.2			
2.	Little Boy	Mk I	1	Bomb	1		x		6/43			8/45	2/50	1/51		1/51								
3.	Fat Man (Production)	Mk III	3	Bomb	1		x	8/45	6/43			4/47	4/49	3/50		12/50			1.7	3.7	1.2			
4.	Improved Fat Man	Mk 4	3	Bomb	1		x	8/45	6/43			3/49	5/51	7/52		5/53			3.6	4.2	1.2			
11.	Improved Little Boy	Mk 8	4	Bomb	1		x	4/48	3/50			2/52	5/53	5/57		8/57			1.9	5.5	1.2			
6.	First "Small" Diameter (Tactical)	Mk 5	4	Bomb	1		x		5/48			5/52	7/53	6/57		1/63			4.0	10.7	1.2			
7.	Regulus I, Matador, Rascal,	W 5	4	SSM	1		x		5/48			2/53	6/53	7/61		1/63			4.8	9.9	1.2			
8.	Improved Fat Man	Mk 6	7	Bomb	1		x	1/49	1/51			7/51	4/54	6/57		1/61			.5	9.5	1.2			
9.	"Thor"	Mk 7	10	Bomb	1		x	1/49	11/50			8/52	6/58	11/62		6/67			1.8	14.8	1.2			
10.	Corporal, Honest John, Boar	W 7	4	SSM, ADM, ASM	1		x	1/50	11/50			7/53	5/58	8/60		5/67			2.7	13.8	1.2			
13.	280mm Gun (T-124 Shell)	W 9	1	AFAP	1		x	1/50	10/50			4/52	11/53	5/57		5/57			1.5	5.1	1.2			
15.	Mk 91 Mod 0 Penetration Bomb	Mk 11	1	Bomb	1			1/50	9/52		7/53	1/56	1/57	12/57		6/60			3.3	4.4	1.2			
17.	"Brok"	Mk 12	3	Bomb	1		x	1/50	9/52			12/54	2/57	7/58		7/62			2.2	7.6	1.2			
12.	Regulus	W 8		SSM	CNX		x	2/50	3/50	5/58							5/58		5.2		1.2			
14.	Mk 8 Follow-on (Interim Mk 7)	Mk 10		Bomb	CNX		x	7/50	5/51	5/52							5/52		1.0		1.2			
18.	Boar, Talos	W 12		SSM, SAW	CNX		x	1/51	12/54	10/55							11/55		9		1.2			
19.	Mk 6 Follow-on	Mk 13		Bomb	CNX		x	1/51	8/54								8/54		.1		1.2			
27.	Mk 6 Follow-on ("Emergency")	Mk 18	2	Bomb	1		x	1/51	8/52			7/53	2/55	1/56		4/56			.9	2.8	1.2			
20.	Snark	W 13		SSM	CNX		x	9/51	8/54								9/54		.1		1.2			
16.	Early Missile EPW Candidate	W 11		SSM	CNX		x		10/51								5/55		3.6		1.2			
29.	Mk 13 Follow-on	TX 20		Bomb	CNX		x	1/52	10/53								8/54		.8		1.2			
21.	"Runaway" Super or Alarm	CTX/Mk 14	1	Bomb	EC		x	5/52	8/52			2/54	4/54	9/54		10/54			1.5	0.7	1.2			
24.	Jughead ("slenderized") IVY	TX 16	1	Bomb	EC		x	6/52	6/52			3/54	3/54	4/54		4/54			1.7	0.1	1.2			
22.	Zombie	Mk 15	5	Bomb	1		x	1/53	10/53			4/55	2/57	8/61		4/65			1.5	10.0	1.2			
23.	"Proposed missile warhead"	W 15		SSM	CNX		x	1/53	8/55								1/56		.4		1.2			
25.	Early solid-fueled bomb (sim)	EC 17	1	Bomb	EC		x	1/53	10/53			5/54	9/54	10/54		11/54			.6	0.5	1.2			
26.	TX 16 Follow-on (Solid fuelel)	Mk 17	3	Bomb	1		x	1/53	10/53			10/54	11/55	11/56		10/57			1.0	3.0	1.2			
31.	First UCRL TN Device	TX 22		Bomb		CNX		1/53	8/53								4/54		.7		1.2			
33.	Early solid-fueled bomb (sim)	EC 24	1	Bomb	EC		x	1/53	10/53			4/54	9/54	10/54		11/54			.5	0.6	1.2			
34.	TX 16 Follow-on (Solid fuelel)	Mk 24	2	Bomb	1		x	1/53	10/53			10/54	11/55	9/56		10/56			1.0	2.0	1.2			
28.	280mm Gun (T-315 Shell)	W 19	1	AFAP	1		x	3/53	4/53		7/55	3/56				12/63	3/56		2.9	7.8	1.2			
32.	"Katie" 16 in. Gun	W 23	2	AFAP	1		x	7/53	8/53			12/56		10/62		10/62			3.3	5.9	1.2			
30.	Mk 36 Predecessor (Class "B")	Mk 21	3	Bomb	1		x	1/54	5/54			12/55	7/56	6/57		11/57			1.6	1.9	1.2			
35.	"Emergency Capability" Genie	EC 25	1	AAW	EC		x	1/54	11/54			11/56	12/56	7/57		7/57			2.0	0.7	1.2			
36.	Genie	W 25	2	AAW	1		x	1/54	11/54	12/56			5/57	5/60	8/61		12/85		2.5	28.6	1.2			
40.	EX, IN, RE, RI, FI Variants	B 28	20	Bomb	1		x	1/54	9/55	1/57		8/58	5/66	1/64		10/91			2.9	33.2	1.2, 3			
41.	Mace, Hound Dog	W 28	3	GLCM, ASM	1		x	1/54	8/54	1/57		8/58	5/66	1/64		6/76			4.0	17.8	1.2			
42.	Redstone	W 29		SSM	CNX		x	1/54	9/54								8/55		.9		1.2			
44.	Hon John, Nike Herc, ADM,	W 31	3	SSM, SAM, ADM	1		x	1/54	12/54	3/57		10/58	12/61	7/67		9/89			3.8	30.9	1.2			
46.	8 in. Gun (T-317/422 Shell)	W 33	2	AFAP	1		x	1/54	12/54		9/56	1/57	1/65	10/77		7/93			2.1	36.5	1.2, 3			
47.	Lulu (Mk 101), Astor, Hotpoint	W 34	6	ASW/Torpedo/E	1		x	1/54	4/55	1/57		6/58	9/62	7/64		9/77			3.2	19.3	1.2			
48.	Thor, Atlas, Jupiter, Titan	W 35		RV	CNX		x	1/54	7/56								12/57		1.4		1.2			
49.	Improved Mk 21	Mk 36	3	Bomb	1		x	1/54	6/54	5/55		4/56	6/58	8/61		1/62			1.8	5.8	1.2			
37.	Mk 36 Predecessor (see also)	TX 26		Bomb	CNX		x		5/54								6/54		.1		1.2			
45.	240mm Gun	W 32		AFAP	CNX		x	5/54	12/54								5/55		.4		1.2			
38.	2-stage Class "D"	Mk 27	3	Bomb	1	1	x	1/55	9/55	3/57		11/58	3/60	11/62		7/64			3.2	5.7	1.2			
39.	Regulus I & Triton, Rascal, W	W 27	4	SLCM, ASM	1	1	x	1/55	9/55	9/56		9/58	6/59	8/62		7/65			3.0	6.8	1.2			
50.	Nike Hercules	W 37		SAM	CNX		x	1/55	4/56								10/56		.5		1.2			
52.	Merged Mk 15 & TX 29	Mk 39	3	Bomb	1		x	1/55	8/55	3/56		2/57	3/59	1/62		11/66			1.5	9.8	1.2			
43.	Talos	W 30	4	SAM, TADM	1		x	3/55	4/55	3/57		2/59	1/65	1/62		3/79			3.8	20.1	1.2			
51.	Atlas E/F, Titan I	W 38	4	RV		1	x	1/56	2/59	11/59		5/61	1/63	1/65		5/65			2.2	4.0	1.2			
53.	Redstone, Snark	W 39	2	GLCM, SSM	1		x	1/56	1/56	3/56		4/58	7/58	8/62		9/65			2.2	7.4	1.2			
54.	Bomarc, Lacrosse	W 40	4	SAM, SSM	1		x	1/56	5/56	2/58		9/59	5/62	10/63		11/72			3.3	13.2	1.2			
55.	SAC FUFO Bomb	Mk 41	1	Bomb	1	1	x	1/56	2/57	10/58		9/60	6/62	11/63		7/76			3.6	15.8	1.2			
56.	ICBM Warhead	W 41			CNX	CNX	x	1/56	11/56								7/57		.7		1.2			
57.	Hawk, Eagle, Sparrow, Falcon	W 42		SAM, AAM		CNX	x	1/56	5/57								6/61		4.1		1.2			
58.	Navy Laydown Bomb (Step 1)	B 43	5	Bomb	1		x	1/56	10/56	2/59		4/61	10/65	12/72		4/91			4.5	30.0	1.2			
59.	ASROC	W 44	1	ASW	1		x	1/56	11/56	8/59		5/61	3/68	6/74		9/89			4.5	28.4	1.2			
60.	Little John, Terrier, Bulloop	W 45	4	SSM, SAM, MADM		1	x	1/56	11/56	10/59		1/62	6/66	7/67		9/88			5.2	26.7	1.2			
5.	Early ADM (from Mk 8 comp)	T 4	1	ADM	1				1/57			6/57	12/57			1/63			.4	5.6	1			
61.	Improved Mk 21	Mk 46		Bomb	CNX		x	1/57	7/57								10/58		1.3		1.2			
62.	Redstone	W 46			CNX		x	1/57	7/57								10/58		1.3		1.2			
63.	"Emergency Capability" Polaris	EC 47	1	RB		EC	x	1/57	8/57			4/60	6/60	6/60		6/60			2.7	0.2	1.2			
64.	Polaris A1/2	W 47	4	RB		1	x	1/57	8/57	11/58		6/60	7/64	7/61		11/74			2.8	14.4	1.2			
65.	155mm Gun (M-454 Shell)	W 48	2	AFAP		1	x	1/57	7/57	1/61		10/63	3/68	9/65		9/91			6.3	27.9	1.2, 3			
66.	Thor, Atlas, Jupiter	W 49	7	RV	1		x	1/57	12/57	1/58		9/58	1/61	2/62		6/75			.8	16.8	1.2			
67.	Pershing, Nike Zeus (CNX)	W 50	2	RV	1		x	1/58	8/58	6/61		3/63	12/65	4/73		4/91			4.6	28.1	1.2			
68.	Falcon, Davy Crockett	W 51		AAM, SSM		CNX	x	1/58	6/58								1/59		.6		1.2			
70.	Strategic Bomb (successor)	B 53	2	Bomb	1		x	1/58	12/58	7/60	10/61	8/62	6/65	7/67		9/04			3.7	42.1	1.2, 3			
73.	Special ADM	B 54	3	SADM	1		x	2/58	8/60	6/62		8/64	6/66	9/86		9/89			4.0	25.2	1.2			
69.	Sergeant	W 52	3	SSM	1		x	1/59	5/60	7/61		5/62	4/66	3/74		8/78			2.0	16.3	1.2			
72.	Falcon, Davy Crocket	W 54	3	AAM, SSM	1	1	x	1/59	8/59	7/67		4/61	2/65	7/67		4/72			2.2	11.0	1.2			
74.	SUBROC	W 55	1	UUM/ASW		1	x	1/59	3/59	11/61		6/64	4/74	6/83		6/90			5.3	26.0	1.2			
75.	MM I	W 56	4	RV	1	1	x	1/59	12/60	9/61		3/63	5/69	9/66		9/93			2.2	30.5	1.2, 3			
76.	NDB	B 57	7	Bomb, ASW	1		x	1/59	1/60	1/61		1/63	5/67	6/75		9/93			3.0	30.7	1.2, 3			
71.	Titan II	W 53	1	RV	1		x	1/60	10/60	5/61		12/62	12/63	10/69		9/87			2.2	24.8	1.2			
77.	Polaris A3 MRV	W 58	1	RB		1	x	1/60	9/60	11/62		3/64	6/67	9/68		4/82			3.5	18.1	1.2			
78.	MM (ICBM), Skybolt (CNX-A)	W 59	2																					

