

INDEX

	Paragraph	Page	Paragraph	Page
Airborne clearing equipment	4-2c	4-5	Strip	2-8b,2-10,2-12b 2-11,2-17,2-19
Airfields	F-6c	F-7	Time, length of	2-5b 2-3
Allocation of resources	2-2a	2-1	Trees (with explosives)	3-10 3-17
Anchor chains	3-8f,3-11d	3-8,3-24	External charges	3-10a 3-17
Area:			Internal charges	3-10b 3-20
Clearing operations	2-8a,2-9,2-12a	2-7,2-11,2-19	Climate	F-3 F-4
Cut	2-6,2-6c-i	2-4,2-5-6	Communication	2-6i 2-6
Aviation support	2-7a	2-6	Construction clearing	4-4 4-5
Balls, metal	3-8f	3-8	Requirements	4-5 4-6
Base camp clearing	4-3	4-5	Specifications	4-6 4-6
Base, fire support	4-2	4-5	Techniques	4-7 4-7
Beam, knockdown	3-8c,3-8e,3-14	3-5,3-7,3-2b	Conversion tables (App E)	
Blade:			Coordination, land clearing operations	2-2b 2-1
Angle (Rome K/G)	3-9e,3-16	3-14,3-27	Cut:	
Bulldozer	3-8a,3-9e,B-1	3-7,3-14,B-1	Patterns	2-9e 2-12
Cutting	3-9c,3-24	3-14,3-34	Types of	2-8 2-7
Maintenance	3-9e,D-4	3-14,D-2	Cutters, flail-type rotary	3-11b 3-22
Shearing	3-8b,3-9e,3-30b	3-4,3-14,3-42	Cutting blade	3-16,3-24a 3-27,3-35
V type	3-9e	3-14	Debris:	
Blowdown, tree	3-63,4-1d(3)	3-45,4-3	Burning	3-23 3-34
Brush burner	3-26	3-36	Disposal	3-21 3-33
Bulldozer:			Left in place	3-22 3-33
Blade	3-8a,3-9e	3-2,3-14	Piling	3-24 3-34
Clearing rates	3-30d	3-40	Removal	3-26 3-36
Rake	3-8b,3-8e	3-4,3-7	Demolition techniques	4-1c 4-3
Support	2-9d	2-12	Devices, protective:	
Burner, brush	3-26	3-36	Equipment	B-1 B-1
Burning	3-13,3-23,3-26	3-25,3-34,3-36	Operator	B-2 B-4
Cable	C-2c	C-2	Disking (See also Patterns)	2-9f 2-17
Capabilities, unit	2-3d	2-2	Duff	F-5c F-6
Charges, explosive (See Explosive charges)			Engineer support	2-7b 2-6
Chain:			Equipment (App B, App D)	2-3c 2-2
Anchor	3-8f,3-11d	3-8,3-24	Combinations	3-14 3-26
Link	3-8f	3-8	Land clearing company	2-3d 2-2
Saws	3-9c,3-14, 4-1e,D-2	3-14,3-26, 4-5,D-1,	Equipment, maintenance of:	
Sizes	3-8f	3-8	Chainsaws	D-2 D-1
Chopping (See also Patterns)	2-9f	2-17	Handtools	D-2 D-1
Clearing:			Land clearing blades	D-4 D-2
Area	2-8,2-9,2-11, 2-12a,3-4	2-7,2-11,2-19, 2-19,3-1	Tractors, land clearing	D-1,D-3 D-1,D-1
Base camp	4-3	4-5	Equipment protection	4-1 4-1
Clearing by hand (table 3-8)	3-29	3-40	Erosion	3-8e 3-7
Clearing reconnaissance form (table 3-7)	3-28b	3-38	Estimates, production	3-27 3-38
Construction	4-4	4-5	Quick	3-31 3-44
Fire support base	4-2	4-5	Shearing blade	3-30b 3-42
Hand	3-29	3-40	Explosive charges	3-10 3-17
Landing zone	4-1	4-1	Clearing munitions	4-1d 4-3
Munitions	4-1d	4-3	Demolition	4-1c 4-3
Orchard	2-8c,2-11,3-8f	2-11,2-19,3-8	External	3-10a 3-17
Overlay, approved	2-5c	2-3	Paste	3-10a(3) 3-19
Plantation	2-8c,2-11,3-8f	2-11,2-19,3-8	Plastic	3-10a(2) 3-19
Purpose	3-2	3-1	Ring	3-10a(3) 3-19
Rates	2-12	2-19	Shaped	3-10a(5) 3-20
Reconnaissance	2-7a,3-28b	2-6,3-38	Internal	3-10b 3-20
Spade plow	3-8e,3-23	3-7,3-34	Stump removal	3-20 3-32
Specifications	2-5	2-3	Tree cleaning	3-10,4-1c,d 3-17,4-3,4-3
			Felling	3-24b 3-36
			Chainsaws	3-14 3-26
			Equipment	3-14,3-30 3-26,3-40
			Explosives	3-9b 3-11

	Paragraph	Page	Paragraph	Page
Felling—Continued				
Hand	3-29	3-40		
Tree felling: basic charge-size formulas (table 3-1)	3-10a	3-17		
Wedges	3-9b	3-11		
Fire support base clearing	4-2	4-5		
Flail-type rotary cutters	3-11b			
Forests (App F)				
Dry, seasonally	F-8c	F-10		
Mangrove	F-8a	F-7		
Moist	F-8b	F-8		
Shrub	F-8f	F-11		
Swamp	F-8a	F-7		
Grapple	3-24	3-34		
Grubbing	3-8d,3-32	3-6,3-44		
Grubbing hoes	3-9a	3-11		
Hand felling	3-29	3-40		
Handtools	3-9a	3-11		
Axe, single or double bitted	3-9a	3-11		
Brush-hooks	3-9a	3-11		
Hoes, grubbing	3-9a	3-11		
Machete	3-9a	3-11		
Pick-mattocks	3-9a	3-11		
Harrows	3-12c	3-24		
Helicopters:				
Clearing support	2-7a	2-6		
Transporting cutting team	4-1b	4-1		
Landing zones	4-1d,F-6c	4-3,F-7		
Herbicides	3-13,3-23	3-25,3-34		
Hoes, grubbing (See also Handtools)	3-9a	3-11		
Intelligence reports	F-1b	F-1		
Intermediate clearing (vegetation 5 to 20 cm (2 to 8 in) diameter) (table 3-4)	3-13	3-25		
Knockdown beam	3-8c,3-8e,3-14	3-5,3-7,3-26		
Land clearing company, TOE	2-3a	2-2		
Assignment	2-3c	2-2		
Capabilities	2-3d	2-2		
Employment	2-3d	2-2		
Equipment	2-3c	2-2		
Mission	2-3b	2-2		
Organization	2-3d	2-2		
Reassignment	2-3c	2-2		
Security	2-6	2-3		
Land clearing operations (See Operations, tactical land clearing)				
Land clearing plan	2-2,2-4	2-1,2-3		
Landing zone clearing	4-1	4-1		
Cutting team	4-1b	4-1		
Demolition techniques	4-1c	4-3		
Logging	3-25	3-36		
Logistics	2-7c	2-6		
Machete (See Handtools)				
Mattocks, pick (See Handtools)				
Maintenance of equipment (App D)				
Blades, land clearing	D-1	D-1		
Chain saws	D-2	D-1		
Handtools (See also Tools)	D-2	D-1		
Land clearing tractors	D-1,D-3	D-1,D-1		
Manmade features	F-6	F-6		
Manual, purpose of	1-1	1-1		
Maps	F-1	F-1		
Metal balls	3-8f	3-8		
Metric conversion tables (App E)				
Missions of unit	2-3b	2-2		
Mowers:				
Rotary	3-11a	3-21		
Sickle	3-9d	3-14		
Munitions, clearing	4-1d	4-3		
Night defensive position (NDP)	2-6	2-3		
Bivouac	2-6b	2-4		
Clearing (requirements)	2-6c	2-5		
Location	2-6b(3)	2-5		
Maintenance base	2-6b	2-4		
Movement	2-6c	2-5		
Obstacles	F-6d	F-7		
Operations, tactical land clearing:				
Area clearing	2-8a,2-9	2-7,2-11		
2-12a		2-19		
Aviation support	2-7a	2-6		
Engineer support	2-7b	2-6		
Land clearing company	2-3	2-2		
Logistics requirements	2-7c	2-6		
Planning	2-2a	2-1		
Procedures	2-8	2-7		
Purpose	2-1	2-1		
Rates	2-12	2-19		
Responsibilities	2-2	2-1		
Strip clearing	2-8b,2-10,	1-11,2-17,		
2-12b		2-19		
Support requirements	2-7,2-9d	2-6,2-12		
Unit capabilities	2-3	2-2		
Operator protection	D-2	D-1		
Paste explosive	3-10a	3-17		
Patterns:				
Chopping	2-9f	2-17		
Cut	2-9e	2-12		
Disking	2-9f	2-17		
Piling	2-9e	2-12		
Tree	F-7a	F-7		
Personnel, land clearing	2-6	2-3		
Photographs	F-2	F-3		
Piling	3-24,3-24b,3-26,3-33	3-34,3-36,3-36,3-44		
Plan, land clearing	2-2,2-4	2-1,2-3		
Planning (See Operations, tactical land clearing)				
Plow:				
Anchor chain	3-8f	3-8		
Crawler tractor, large	3-8f	3-8		
Disk	3-12b	3-24		
Grubber	3-8d	3-6		
Moldboard	3-12a	3-24		
Root	3-8d	3-6		
Spade	3-8e,3-30c	3-7,3-43		
Production estimates	3-27	3-38		
Production rates:				
Burning	3-34	3-45		
Equipment felling	3-30	3-40		
Grubbing	3-32	3-44		
Hand felling	3-29	3-40		
Piling	3-33	3-44		
Protection:				
Equipment	B-1	B-1		
Operator	B-2	B-4		
Quick estimate for area clearing (table 3-11)	3-3	3-1		

	Paragraph	Page		Paragraph	Page
Radiator	B-1	B-1	Intelligence (App F)		
Rake:			Reports	F-1b	F-1
Clearing	3-8b,3-24b	3-4,3-36	Tillage:		
Tractor mounted	3-26	3-36	Disk plows	3-12b	3-24
Rappelling	4-1b(2)	4-1	Gang disk harrows	3-12c	3-24
Rates, clearing	2-12	2-19	Implements	3-12	3-24
Reconnaissance:			Moldboard plows	3-12a	3-24
Clearing	2-7a,3-28b	2-6,3-38	Offset harrows	3-12c	3-24
Terrain intelligence	F-2c	F-4	TOE land clearing company (<i>See</i>		
Recovery procedures	C-2	C-1	Land clearing company, TOE)		
Recovery vehicle	C-2d	C-2	Tools (<i>See also</i> Handtools)	3-9a	3-11
References	App A	A-1	Brush-hooks	3-9a	3-11
Removal:			Grubbing hoes	3-9a	3-11
Stump (or tree)	3-19,3-20	3-30,3-32	Hand axe	3-9,3-9a	3-11,3-11
Winch	3-19	3-30	Pick-mattocks	3-9a	3-11
Windrows	3-26	3-36	Machete	3-9,3-9a	3-11,3-11
Reports, intelligence	F-1b	F-1	Topography	F-4	F-4
Responsibility:			Trace cutting	2-9c	2-12
Combat unit commander	2-2a	2-1	Tractor	3-9c	3-14
Combined arms group commd	2-2a	2-1	Clearing	B-2	B-4
Security	2-6	2-3	Large crawler	3-8f,3-11d	3-8,3-24
Road net	F-6a	F-6	Maintenance	D-3	D-1
Rolling chopper	3-11c	3-22	Trafficability	F-5	F-5
Rooter	3-8d,3-18	3-6,3-30	Tree:		
Rotary mower	3-11a	3-21	Blowdown	3-36,4-1d(3)	3-45,4-3
Rubber, cultivated	2-12c	2-20	Counts	3-28b,F-9	3-38,F-13
Saw:			Orchards	F-8f	F-11
Chain	3-9b,3-9c, 3-10a(2),4-1e,D-2	3-11,3-14, 3-17,4-5,D-1	Patterns	F-7a	F-7
Circular, tractor	3-9c	3-14	Trees, clearing	3-10	3-17
Crosscut	3-9b	3-11	External charges	3-10a	3-17
Types of	3-9b	3-11	Internal charges	3-10b	3-20
Wheel mounted	3-9c	3-14	Tree felling basic charge-size formulas (table 3-1)	3-10a	3-17
Security:			Undergrowth	F-9b	F-14
Equipment, land clearing	2-6	2-3	Unit, missions of	2-3b	2-2
Forces necessary	2-6d	2-5	Vegetation (App F):		
Personnel, land clearing	2-6	2-3	Analysis	F-9	F-13
Responsibility	2-6	2-3	Count, tree	3-28b,F-9	3-38,F-13
Shearing:			Cover, types of	F-7	F-7
Blades	3-9e,3-30b	3-14,3-42	Cutting	3-9	3-11
Production (table 3-9)	3-30b	3-42	Density, wood	F-9b	F-14
Shrubs	F-7b	F-7	Forests:		
Forests	F-8f	F-11	Dry, seasonally	F-8c	F-10
Orchards	F-8i	F-12	Moist	F-8b	F-8
Sickle mower	3-9d	3-14	Swamp	F-8a	F-7
Spade plow	3-8e,3-23, 3-24b,3-30c	3-7,3-34, 3-36,3-43	Growth:		
Specifications, clearing	2-5	2-3	Leveling scrub	3-11	3-21
Splitter	3-9e	3-14	Light vegetation	3-11	3-21
Súnger	3-9e,C1	3-14,C-1	Secondary	F-9c	F-14
Strip clearing	2-8b,2-12b	2-11,2-19	Savannas, tree	F-8e	F-11
Structures	F-6b	F-7	Shearing	3-9	3-11
Stump blasting charge sizes re- quired under varying conditions (table 3-6)	3-20b	3-32	Shrubs	F-7b,F-8i	F-7,F-12
Stumps	3-17	3-28	Structures, types of	F-8	F-7
Support	2-9d	2-12	Tilling	3-12	3-24
Aviation	2-7a	2-6	Trees	F-7e	F-11
Bulldozer	2-9d	2-12	Undergrowth	F-9b	F-14
Engineer	2-7b	2-6	Uprooting	3-8	3-2
Tables, conversion (App E)			Weather	F-3	F-4
Taprooted stumps	3-20a(3)	3-32	Winches	3-19,C-2b	3-30,C-2
Team, landing zone cutting	4-1b	4-1	Windrows:		
Terrain:			Burning	3-24,3-26	3-34,3-36
Analysis	F-3—F-6	F-4,F-6	Rakes	3-8b,3-26	3-4,3-36