Index

Entries are by paragraph number unless page (p.), figure (fig.), or table (tbl.) is specified.

A
A2C2, AO and, 2-46–2-48
PAA and, 2-119
AATF. See air assault operations, ACA, 2-88–2-92
ACM, AO and, 2-48, 2-49
actions on contact, defined, 4-43
active air defense, during defensive operations, 8-61–8-65
ADC, E-97, E-111, E-145–E-149
area defense and, 9-29
administrative movement, 14-7
advance guard, 12-69–12-75
exploitation, use during, 6-14
infiltration (form of maneuver) and, 3-71, 3-77
MTC, use during, 4-8–4-10, 12-70
pursuit, use during, 7-35
retirement, use during, 11-98
suitable units for, 4-9
advance party, relief in place, 15-4, 15-28
air assault forces/operations, 3-155, C-45–C-71
as a subset of airborne operations, C-47
C2 of, C50–C54
CSS for, C-63
defense against, 8-112–8-113
defense, use during, 8-49
defined, C-45
delay, use during, 11-41
envelopment, use during, 3-29
example of, p. 3-1–3-3
exploitation, use during, 6-47
fire support for, C-60
ground tactical plan, C-58–C-59
linkup, D-75
pursuit, use during a, 7-7, 7-12
military deception, use for, C-48
reaction force, use during, C-62
reaction force, use as, C-48
river-crossing, use during, C-49
search and attack operations, C-48
security for, C-67
smoke support for, C-69
stay-behind operations use for, 11-120
supporting distance, for CSS, C-63
air control point, 2-35
air corridor, 2-35
air defense, aerial IPB and, 8-72
base/base cluster defense, E-94
breakout, during, D-70
CSS considerations for, 8-72
defensive operations, during, 8-59–8-70
defensive encirclement operations, D-35
delay, during, 11-21
ISR and, 8-72
mobile defense, 10-17
MTC, during, 4-35
passage of lines, during, 16-14
relief in place, during, 15-14
TCF, for, E-63
air movements, 14-4
air support (US Air Force), area defense and, 9-1
breakout, during, D-58
envelopment, during, 3-37
exploitation, during, 6-9, 6-30
delay, during, 11-60
MTC, during, 4-2
passage of lines, during, 16-15
relief in place, during, 15-14
turning movement, during, 3-52
air tasking order, FSCL and, 2-85
airborne forces/operations, 3-155, C-12–C-44. See also airborne/air assault operations
airhead, C-12
airhead line, C-23, C-44
Army aviation and, C-29, C-30, C-38
assault echelon, C-35
assault objectives, C-20–C-23
communications for, C-39
COP, C-38
CSS, C-15, C-28, C-31–C-32, C-44
defined, C-12
defense against, 8-112–8-113
DZ selection, C-19
defense against, 8-112–8-113
envelopment, use during, 3-29
exploitation, use during, 6-47
FEBA for, C-23
fire support for, C-29, C-34
follow-on echelon, C-15, C-44
ground tactical plan, C-35
human dimension and, C-33, C-35
information management during, C-37
initiating directive for, C-25
index-0
<table>
<thead>
<tr>
<th>Topic</th>
<th>Page(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>airborne forces/operations (continued)</td>
<td>3-131, 3-132</td>
</tr>
<tr>
<td>ISR for, C-38</td>
<td>14-28</td>
</tr>
<tr>
<td>linkup operations and, C-26, C-44, D-75</td>
<td>14-29</td>
</tr>
<tr>
<td>NBC operations and, C-23</td>
<td>14-29</td>
</tr>
<tr>
<td>patrolling and, C-38</td>
<td>14-31</td>
</tr>
<tr>
<td>pursuit, use during, 7-7, 7-12</td>
<td></td>
</tr>
<tr>
<td>reconnaissance operations, C-37, C-43</td>
<td></td>
</tr>
<tr>
<td>reserve, C-41–C-42</td>
<td></td>
</tr>
<tr>
<td>security operations, C-37, C-43</td>
<td></td>
</tr>
<tr>
<td>stay-behind operations, use for, 11-120</td>
<td></td>
</tr>
<tr>
<td>tactical mobility of, C-30</td>
<td></td>
</tr>
<tr>
<td>airspace C2. See A2C2, alternate bounds, 14-37</td>
<td></td>
</tr>
<tr>
<td>alternate position, 8-19</td>
<td></td>
</tr>
<tr>
<td>ambush, 5-123–5-144</td>
<td></td>
</tr>
<tr>
<td>area, 5-133</td>
<td></td>
</tr>
<tr>
<td>base/base cluster defense, use during, E-125</td>
<td></td>
</tr>
<tr>
<td>categories of, 5-125</td>
<td></td>
</tr>
<tr>
<td>control of, 5-134–5-135, 5-137</td>
<td></td>
</tr>
<tr>
<td>defined, 5-123</td>
<td></td>
</tr>
<tr>
<td>delay, use in, 11-40</td>
<td></td>
</tr>
<tr>
<td>infiltration (form of maneuver), and, 3-58</td>
<td></td>
</tr>
<tr>
<td>point, 5-129–5-132</td>
<td></td>
</tr>
<tr>
<td>AO, 2-36–2-56</td>
<td></td>
</tr>
<tr>
<td>A2C2 and, 2-46–2-48</td>
<td></td>
</tr>
<tr>
<td>ACM and, 2-48,2-49</td>
<td></td>
</tr>
<tr>
<td>area of influence and, 2-39</td>
<td></td>
</tr>
<tr>
<td>assembly area and, 2-58</td>
<td></td>
</tr>
<tr>
<td>assignment of and mission command, 2-37</td>
<td></td>
</tr>
<tr>
<td>contiguous. See contiguous AO defined, 2-36</td>
<td></td>
</tr>
<tr>
<td>fires and, 2-43–2-44</td>
<td></td>
</tr>
<tr>
<td>noncontiguous. See noncontiguous AO PAA and, 2-117</td>
<td></td>
</tr>
<tr>
<td>security and, 2-45</td>
<td></td>
</tr>
<tr>
<td>approach march, 14-26–14-31</td>
<td></td>
</tr>
<tr>
<td>defined, 14-26</td>
<td></td>
</tr>
<tr>
<td>formation for, 3-131, 3-132</td>
<td></td>
</tr>
<tr>
<td>IPB, 14-28</td>
<td></td>
</tr>
<tr>
<td>reconnaissance operations and, 14-29</td>
<td></td>
</tr>
<tr>
<td>security operations and, 14-29</td>
<td></td>
</tr>
<tr>
<td>tactical road march, compared with, 14-31</td>
<td></td>
</tr>
<tr>
<td>area ambush, 5-133</td>
<td></td>
</tr>
<tr>
<td>area defense, battlefield organization for, 2-80</td>
<td></td>
</tr>
<tr>
<td>BHL, 9-75</td>
<td></td>
</tr>
<tr>
<td>control measures for, 9-16–9-18</td>
<td></td>
</tr>
<tr>
<td>counterattacks during, 9-39–9-43</td>
<td></td>
</tr>
<tr>
<td>CSS for, 6-64, 9-66, 9-77</td>
<td></td>
</tr>
<tr>
<td>decisive operation of, 9-8</td>
<td></td>
</tr>
<tr>
<td>defense in depth, as a, 9-3, 9-28–9-31</td>
<td></td>
</tr>
<tr>
<td>defined, p. 9-1</td>
<td></td>
</tr>
<tr>
<td>example of, p. 8-2–8-3</td>
<td></td>
</tr>
<tr>
<td>execution of, 9-54–9-89</td>
<td></td>
</tr>
<tr>
<td>force protection during, 9-6, 9-36</td>
<td></td>
</tr>
<tr>
<td>forward defense, as a, 9-3, 9-32–9-33</td>
<td></td>
</tr>
<tr>
<td>guard as an, 12-66</td>
<td></td>
</tr>
<tr>
<td>ISR during, 9-4–5, 9-44, 9-57</td>
<td></td>
</tr>
<tr>
<td>keys to a successful, 9-21</td>
<td></td>
</tr>
<tr>
<td>linear obstacle, of, 8-114</td>
<td></td>
</tr>
<tr>
<td>local counterattack during, 9-10, 9-25, 9-79–9-82</td>
<td></td>
</tr>
<tr>
<td>MBA operations for, 9-8–9-9</td>
<td></td>
</tr>
<tr>
<td>movement planning for, 9-18</td>
<td></td>
</tr>
<tr>
<td>obstacles, use of, 9-72, 9-77</td>
<td></td>
</tr>
<tr>
<td>offensive operations during, 9-69</td>
<td></td>
</tr>
<tr>
<td>planning for, 9-19–9-43</td>
<td></td>
</tr>
<tr>
<td>possible results of, 9-83, 9-88–9-89</td>
<td></td>
</tr>
<tr>
<td>preparing for, 9-44–9-53</td>
<td></td>
</tr>
<tr>
<td>rear area and base security during, 9-7</td>
<td></td>
</tr>
<tr>
<td>rehearsals for, 9-49–9-50, 9-52–9-53</td>
<td></td>
</tr>
<tr>
<td>reserve, 9-2, 9-10–9-15, 9-51, 9-65, 9-81–9-82, 9-84</td>
<td></td>
</tr>
<tr>
<td>reserve, positioning of, 9-34–9-38</td>
<td></td>
</tr>
<tr>
<td>retransmission nodes for, 9-36</td>
<td></td>
</tr>
<tr>
<td>risk during, 9-7</td>
<td></td>
</tr>
<tr>
<td>security operations during, 9-27, 9-57–9-66, 9-75</td>
<td></td>
</tr>
<tr>
<td>shaping operations during, 9-57, 9-67–9-71</td>
<td></td>
</tr>
<tr>
<td>smoke, use during, 9-75</td>
<td></td>
</tr>
<tr>
<td>spoiling attacks during, 9-39–9-43</td>
<td></td>
</tr>
<tr>
<td>stalemate, 9-83–9-84, 9-88</td>
<td></td>
</tr>
<tr>
<td>TCF, resourcing, 9-7</td>
<td></td>
</tr>
<tr>
<td>transitions from, 3-198, 8-161, 9-88–9-89</td>
<td></td>
</tr>
<tr>
<td>WMD threat during, 9-29, 9-36</td>
<td></td>
</tr>
<tr>
<td>area of influence, AO and, 2-39, 2-53</td>
<td></td>
</tr>
<tr>
<td>area of interest, 3-115</td>
<td></td>
</tr>
<tr>
<td>area reconnaissance, 13-35–13-38</td>
<td></td>
</tr>
<tr>
<td>base/base cluster defense, E-106, E-107</td>
<td></td>
</tr>
<tr>
<td>zone reconnaissance, compared with, 13-35</td>
<td></td>
</tr>
<tr>
<td>area security, 12-113–12-117</td>
<td></td>
</tr>
<tr>
<td>civil considerations, 12-116</td>
<td></td>
</tr>
<tr>
<td>defined, 12-1</td>
<td></td>
</tr>
<tr>
<td>force protection, 12-116</td>
<td></td>
</tr>
<tr>
<td>hostile IO, 12-116</td>
<td></td>
</tr>
<tr>
<td>human dimension, 12-116</td>
<td></td>
</tr>
<tr>
<td>local security and, 12-115</td>
<td></td>
</tr>
<tr>
<td>rear area and base security, E-23</td>
<td></td>
</tr>
<tr>
<td>route security, E-150</td>
<td></td>
</tr>
<tr>
<td>rules of engagement, 12-116</td>
<td></td>
</tr>
<tr>
<td>Army air movements, 14-4</td>
<td></td>
</tr>
<tr>
<td>Army aviation. See also airborne operations; air assault operations,</td>
<td></td>
</tr>
<tr>
<td>attack, use during, 5-85</td>
<td></td>
</tr>
<tr>
<td>base/base cluster defense, use during, E-76</td>
<td></td>
</tr>
<tr>
<td>breakout, use during, D-63</td>
<td></td>
</tr>
</tbody>
</table>
Army aviation (continued)
communications for, 3-148
CSS, in support of, 3-174
defense, use in the, 8-50
defensive encirclement operations, use during, D-34
delay, use during, 11-12, 11-41, 11-42, 11-55
exploitation, use during, 6-10, 6-44, 6-45
fire support and, 3-144, 5-115
flank guard and, 12-81
forward passage of lines, use during, 16-27
infiltration (form of maneuver), and, 3-73
mobile defense, use during, 10-10, 10-30
MTC, use during, 4-12, 4-54
offensive encirclement operations, D-6, D-19
passage of lines, 16-4
penetration, 3-93, 3-100
pursuit, use during, 7-20
reconnaissance operations, 13-13, 13-58, 13-68
retirement, 11-99
security operations, 12-30, 12-39, 12-40
spoilng attacks and, 5-166, 5-168
TCF, as a, E-63
troop movement, use for, 14-48
art of tactics, 1-12–1-19, p. 1-6–1-9
artillery. See fire support (assets),
assailable flank, defined, 2-18
envelopment and an, 3-29, 3-31, 3-38
frontal attack and an, 3-102
penetration and an, 3-82
assault echelon, airborne
operations, C-15, C-35
assault position, defined, 3-12, 5-84, 5-89–5-93
assault time, 3-13
assembly area, 2-57–2-59
attack, breakout, D-60
daylight, 5-29
defined, p. 5-1
fire support for, 5-5, 5-39–5-41, 5-50, 5-82, 5-85, 5-96
ISR, 5-19, 5-20, 5-49, 5-65
limited-visibility, 5-30–5-38
maneuver sequence during, 5-83
MTC, differences, 3-7
offensive IO and, 5-28
preparation tasks, 5-48
rehearsal for, 5-51
reserve and, 5-5, 5-6, 5-7–5-10
shaping operations and, 5-6
situation understanding during, 5-65
attack position, defined, 3-15, 5-54
attack-by-fire position, defined, 3-14
axis of advance, defined, 3-16
trigger line and, 2-70
base, 8-113, E-19–E-22. See also perimeter defense
base/base cluster defense, E-47–E-149. See also perimeter defense
ADC, E-97, E-112, E-145–E-149
air defense for, E-94
ambush, use during, E-125
area reconnaissance for, E-106, E-107
Army aviation, E-76
attack-by-fire, defense against, E-139
base cluster defense force, E-56
BDF, E-49–E-55
bunkers, E-130, E-132
C2 of, E-79
CFZ, E-141
base/base cluster defense, (continued)
situational understanding during, E-116
snipers, use of, E-142–E-143
static positions, E-130–E-134
survivability operations, E-95, E-110–E-112
TCF, E-60–E-64, E-84, E-87, E-118
training, E-114–E-115
base cluster, E-19, E-27–E-29.
  See also base
base cluster defense force, E-56
battle, 1-4, 1-5
battle position, AO, compared with, 8-14–8-15
  defined, 8-13
types of, 8-17
battlefield mobility. See tactical mobility,
battlefield organization, 2-5, 2-74–2-80
battlefield visualization,
  reconnaissance operations, 13-43
BDAR, offensive operations, 3-172
BDOC, E-23–E-26
BHL, 8-10
  area defense, 9-75
  area defensive operations, during, 9-61, 9-64
  security area for rearward passage of lines, and, 16-35
  security operations, 12-14, 12-15
BOS, defined, 2-10
boundaries, ACM and, 2-49
  AO and, 2-38
  defined, 2-49
infiltration lane as, 3-65
infiltration (form of maneuver), and, 3-65
noncontiguous AO, 2-53–2-54
obstacles and, 2-105, 2-108
penetration and, 3-85
bounding overwatch (movement technique), 14-36
bounds, withdraw by, 5-142
box formation, 3-131
branches. See transitions,
breach, breakout, during a, D-61
  infiltration (form of maneuver), and, 3-58
  penetration, during a, 3-96–3-99
breach force, 5-90–5-91
breakout, D-41–D-71
air defense for, D-70
air support for, D-58
attack during, D-44, D-60
breach during, D-61
counter mobility operations for, D-69
CSS for, D-47, D-70
delay during, D-48, D-64
destruction criteria, D-43
DLIC, D-60
fire support for, D-63, D-68
follow and assume force during, D-42, D-46, D-62, D-63
follow and support force during, D-46
ISR during, D-53–D-54
limited visibility, D-58
military deception during, D-50, D-55–D-57, D-59
mobility operations during, D-69
momentum, D-42
MTC during, D-60
offensive IO for, D-55–D-57
penetration during, D-44
rear guard for, D-48, D-65, D-67
reconnaissance in force during, D-54
reserve for, D-42, D-49
rupture force for, D-44–D-45
security operations during, D-47
shaping operations during, D-55–D-57, D-59
situational understanding
during, D-53
stay-behind operations during, 11-119
troop movement during, D-66
bypass (tactical mission task), 5-120
attack, during, 5-88
exploitation, during, 6-47
pursuit, during, 7-25, 7-29
execution of, 4-30–4-59
MTC during, 4-25, 4-49

C
C2 system, decision making and, 1-16, 1-33
modernized, 5-66
momentum and, 1-42
caches, 11-85
calculated risk, defined, 1-27. See also risk
camouflage, 8-70
campaign, 1-4
CAS. See also air support
delay, during, 11-55
exploitation, during, 6-9, 6-30
fire support, during, 3-144
forward passage of lines, 16-27
MTC, during, 4-34, 4-54
pursuit, during, 7-20
CFL, defined, 2-83
exploitation, use during, 6-18
offensive operations, use during, 3-147
CFZ, base/base cluster defense, E-141
defined, 2-61
infiltration (form of maneuver), and, 3-73
check point, 2-60
civil affairs. See CMO,
civil considerations, area security, for, 12-116
base/base cluster defense, during, E-66, E-77, E-82, E-90, E-107

Index-3
Civil Considerations (continued)

Defensive operations, during, 8-31, 8-74

Denial operations, during, 11-110, 11-113, 11-116

Exploitation, during, 6-34

Forward passage of lines, during, 16-29

Infiltration (form of maneuver), during, 3-68, 3-72

Movement of fire support assets, for, 5-115

Offensive operations, during, 3-117

Perimeter defense, during, 8-120

Rear area and base security, during E-29, E-40–E-46

Reconnaissance operations, 13-1, 13-8, 13-14

Retirement, during, 11-106, 11-108

RFL, for, 2-95

Route reconnaissance, during, 13-23

TCF, for, E-64

Troop movement, for, 14-5, 14-41

Clear (tactical mission task), base/base cluster defense, during E-119

Heavy force technique for, 5-103

Close area, 2-77

Close column, 14-21–14-22

Close combat, close area and, 2-77

Defined, 3-120

CMO, base/base cluster defense, during, E-92, E-144

Defensive operations, during, 8-74

Denial operations, during, 11-113

Exploitation, during, 6-34

Rear area and base security, during, E-43

Troop movements and, 8-103

cohesion, 5-112. See also human dimension

column formation, 3-125–3-126

Combat formation, 3-122–3-137

Combat information, 1-24. See also information

Combat load, 3-168

Combat outpost, 12-121–12-123. See also defensive encirclement operations

Combat power, 2-4, 8-176

Combat security (route security technique), E-159–E-160

Combat-configured loads, 8-97

Combination pursuit, 7-10–7-13

Combined arms, 2-12–2-14

Commander's visualization. See visualization,

Complementary effects, 2-13

Concealment, 8-68–8-69

Consolidation, 5-105–5-112, 5-114

Contact point, 2-61–2-62, 11-15

Contiguous AO, 2-50, 2-52, 2-74–2-80

Continuous operations, 1-19

Contractors, E-6–E-10

Control measures, basic, 2-31–2-34

Direct fire. See 2-64–2-73

Labeling for security operation, 12-13

Convex slope, fig. 8-14

Convoys, CSS for, E-174

Fire support for, E-173, E-179

Urban environment, in an, E-175

Coordinating altitude, 2-46, 2-48

COP, 1-22, 5-66

Airborne operations, during, C-38

Area defense, during an, 9-59, 9-60

Base/base cluster defense, during a, E-99, E-116

Decision making and, 1-16

Delay, during a, 11-43

Linkup, during a, D-76

Mobile defense, during a, 10-1

Offensive operations, during, 3-3, 3-184

Security operations, during, 12-32

Transitions, during, 8-169

cordon security (route security technique), E-155–E-158

counterattack(s), 5-145–5-159, 8-44

Area defense, during, 9-39–9-43

Base/base cluster defense, during, 8-113, E-75

Cover, during, 12-94

defensive cover, during, 12-109

defined, 5-145

delay, during, 11-54

Local, 5-149, 5-152, 5-158, 5-159

Major, 5-147, 5-152

Mobile defense, during. See striking force

Withdrawal, during, 11-89

counterfire missions, timing of, 8-55

counterintelligence, rear area and base security, E-46, E-72

countermobility operations, base/base cluster defense, E-95

Breakout, during, D-69

CSS considerations, 8-76, 8-83

defensive encirclement operations, during, D-36

defensive operations, during, 8-76–8-84, 8-112

delay, during, 11-45

denial operations, compared to, 11-113

Mobile defense, during, 10-14, 10-18

Offensive encirclement operations, during, D-13

Offensive operations, during, 3-157–3-160

Index-4
countermobility operations (continued)
pursuit, during, 7-12
security operations, during, 12-31
striking force, during, 10-8, 10-36
counterreconnaissance, base/base cluster defense, E-75
counterslope, fig. 8-14
counterterrorism operations, rear area and base security, E-48, E-65
cover (form of security operations)/covering force, 12-88–12-112
counterattack, during, 12-94
defensive, 12-107–12-112. See also defensive cover
defined, 12-1
flank, 12-91, 12-105–12-106
guard, during, 12-93
guard, compared to, 12-89–12-90
MTC, during, 4-7
offensive, 12-97–12-104. See also offensive cover
reserve for, 12-94
screen and, 12-93
screen, compared to, 12-89–12-90
covering force. See cover
criminal investigation, rear area and base security, E-46
critical area, rear area and base security, E-35
CS. See CSS
CSS (assets). See also perimeter defense
air assault operations, for, C-63
air defense considerations, 8-72
airborne operations, for, C-15, C-28, C-31–C-32, C-44
area defense, during, 6-64, 9-66, 9-77
base/base cluster defense, for, E-98
breakout, for, D-47, D-70
C2 of, 2-78
convoy security and, E-174
defensive operations, during, 8-87, 8-95–8-104
defensive encirclement operations, during, D-37–D-38
delay, during, 11-13–11-14, 11-63
exploitation for, 3-174, 6-15
forward passage of lines, for, 16-29
frontal attack, for, 3-108
infiltration (form of maneuver), for, 3-63
mobile defense, for, 10-19
momentum and, 3-167, 3-168
movement control and, 14-55
MTC, for, 4-14–4-15
mutual support of, 2-21
noncontiguous AOs and, 2-56
offensive encirclement operations, for, D-19
offensive operations, during, 3-167–3-175
perimeter defense, of, 8-141
positioning of, 8-100, 8-104
pursuit, during, 3-174
raid, for a, 3-175
rear area and, 2-78–2-79
rear area and base security and, E-25, E-36
rearward passage of lines, during, 16-37, 16-40
reconnaissance operations, for, 13-56–13-57
rehearsals and, 9-52
relief in place, for, 15-7, 15-12, 15-17, 15-28
retirement, for, 11-95, 11-99, 11-101–11-108
security operations, for, 12-33–12-36
striking force, for, 10-7

TCF, for, E-64
terrain management and, 8-100
transitions and, 8-164
troop movements, for, 14-44, 14-52, 14-55
turning movement, for, 3-50–3-51
withdrawal, 11-67, 11-81, 11-85, 11-88
cueing reconnaissance assets, 13-52
culmination/culminating point, 6-7
delay, during a, 11-64
delay, enemy indications of, 8-159
exploitation, during an, 6-7, 6-52
offensive operations, during, 3-186–3-198
pursuit, during, 7-5, 7-28, 7-39
transitions to the offense and, 8-159
withdrawal, during, 11-66

D
decision operations. See military deception,
decision making, art of tactics and, 1-16
C2 system and, 1-33
time-constrained environment, in a, 1-31
training and, 1-29
decision point(s), offensive operations, 3-181
trigger line and, 2-73
transitions and, 3-47
decisive counterattack, area defense, and, 9-85–9-87
local counterattack, comparison with, 9-85
decisive engagement, 2-15
decisive operation, attack, of an, 5-4
counterattack and, 5-145
designation of, 4-29
width of AO and, 5-6
decisive point, defensive operations, during, 8-45

decisive terrain, defined, 2-55, 3-121

deep area, 2-75–2-76
  forward boundary and, 2-51

defeat in detail, 1-30, 7-23, 8-46, 9-57, 9-77
defensive encirclement operations and, D-31
defined, 2-16
exploitation and, 6-46
mutual support and, 2-22
offensive operations and, 3-157
penetration and, 3-82
piecemeal commitment and, 2-24
pursuit and, 7-3
defense. See defensive operations
defense in depth, linear obstacle, of, 8-115
  perimeter defense and, 8-122, 8-124, 8-137
defensive cover, 12-107–12-112
defensive encirclement operations, D-26–D-40. See also perimeter defense
defensive IO, defensive operations, during, 8-43
defensive encirclement operations, during, D-40
mobile defense, during, 10-22
offensive operations, during, 3-3, 3-163
defensive operations/defense. See also base/base cluster defense; perimeter defense
advantages of, 8-1, 8-11
C2 considerations, 8-9–8-27, 8-105–8-110
countermobility efforts, 8-112
covering force operations and, 12-109
CSS considerations, 8-95–8-104
defined, p. 8-1

IPB for, 8-112
ISR during, 8-31–8-94
linear obstacle, of a, 8-114–8-117
maintenance during, 8-100
mass-casualties during, 8-102
offensive IO and, 8-1
offensive operations during, 9-21, 9-24
positioning of assets, 8-104
pursuit, transition to, 7-39
rear area and base security, during, 8-112
reasons for conducting, p. 8-1
reserve, use of, 8-107
reverse slopes and, 8-142–8-154
risk during, 8-112, 8-115
security operations during, 8-43
seizing the initiative during, 9-21, 9-24
shaping operations during, 8-107
signal support for, 8-106
situational understanding and, 8-106
strengths of, 8-1
survivability operations during, 8-112
tactical mobility and, 9-25
task organization for, 8-108
terrain features that favor, 8-42
transitions and, 3-196–3-197, 8-155–8-176
troop movements during, 8-103
types of, 8-3
delay, 11-5–11-64
  air defense for, 11-21
  air support for, 11-55, 11-60
  ambushes during, 11-40
  Army aviation, use of, 11-12, 11-41, 11-55
  assessing, 11-58
  breakout, D-48, D-64
  C2 of, 11-43–11-44
  communications for, 11-43
  conducted by, 11-9
  contact points and, 11-15
  counterattacks during, 11-54
  countermobility operations for, 11-45
  CP displacement during, 11-44
  CSS for, 11-13–11-14, 11-63
  culmination during, 11-64
defensive cover during, 12-109
defined, 11-5
dispacement criteria, 11-23
effects of terrain on, 11-31–11-34
engineer priorities for, 11-13
fire support for, 11-12, 11-20, 11-55, 11-60
flanks, 11-22, 11-48
guard as a delay force, 12-66
heavy forces, use of, 11-39
ISR, 11-35–11-36, 11-47
light forces, use of, 11-40
mobile defense, compared with, 11-38
obstacle lane
obstacles, use during, 11-20, 11-23, 11-32, 11-40, 11-56, 11-61
offensive IO during, 11-34
reasons to conduct, 11-6
recovery operations during, 11-53
reserve, use of, 11-11, 11-41, 11-62
risk involved, 11-7, 11-25
security operations for, 11-41, 11-48, 11-50–11-53
smoke, 11-34, 11-46
survivability operations during, 11-46
tactical mobility and, 11-20
techniques of, 11-24–11-30, tbl. 11-1
termination of, 11-64
transitions and, 11-64
trigger lines, use of, 11-57
delay line, 11-17
delay order, 11-24–11-26
delaying operation, offensive encirclement operations, D-15
deliberate operation, 1-21–1-37
demolition policy, denial operations, 11-114
demonstration, 5-160–5-161
frontal attack, and, 3-106
denial operations, 11-110–11-117
destruction criteria, breakout, D-43
withdrawal, 11-85
destruction of civilian property, 11-110

destruction of equipment to prevent capture, 11-104. See also denial operations
diamond formation, 3-132–3-133
direct fire control measures, 2-64–2-73. See also under individual control measures
direct fire plan, engagement criteria and, 2-66
direct pressure force. See pursuit, directed obstacle. See obstacle, direction of attack, defined, 3-17
trigger line and, 2-70
disengagement line, 8-27
disintegration, indications of, 6-40
dismounted assault, 5-100–5-103
dismounted march, 14-2

disrupt (tactical mission task), 5-67–5-72
diversion. See military deception
dLIC, 11-72–11-74, D-60. See also defensive encirclement operations
doctrinal hierarchy, 2-1–2-3
DOD civilians, E-6–E-10
double envelopment, 3-30

EA, 2-65, 2-70
echelon formation, 3-129–3-130
economy of force (operation), 5-74, 5-75

area security as, 12-115
base/base cluster defense as, E-106
defensive operations, during, 8-45, 8-115
delay as, 11-6
screen as, 12-48
electronic warfare. See offensive IO
elements of operational design, 2-9
emergency destruction of equipment. See denial operations
enabling operations, tactical, 2-2
encirclement operations, 8-49
breakout and, D-41–D-71. See also breakout
defensive, D-26–D-40. See also defensive encirclement operations
defined, p. D-0
envelopment and, 3-36
example, D-12
exfiltration and, D-72
linkup and, D-75–D-81
offensive. See offensive encirclement operations
pursuit during, 7-10, 7-25, 7-33–34
encircling force. See pursuit
engagement, 1-4, 1-6
engagement criteria, 2-66
engagement priority, 2-67
engineer reconnaissance, troop movement, for, 14-44, 14-47
entry operations, 3-5
envelopment, 3-29–3-41
defined, 3-29
double, 3-30
encirclement and, 3-36
pursuit, during, 3-36, 7-3, 7-10, 7-16
reserve, use of, 3-41
shaping operations and, 3-38
supporting distance and, 3-34, 3-39
transitions during, 3-36, 3-41
turning movement, compared with, 3-42, 3-34
varieties of, 3-29
vertical, 3-29, 3-42
escape route (reduce technique), D-24
exfiltration, D-72
exploitation. See also follow and support; follow and assume
advance guard, use of, 6-14
air assault operations during, 6-47
air defense considerations for, 6-9, 6-32
air support and, 6-9, 6-30
airborne operations during, 6-47
Army aviation, use of, 6-10, 6-44, 6-45
CFL, use of, 6-18
civil considerations, during, 6-34

civil-military operations, during, 6-34
commander's intent and, 6-20–6-21
conducting an, 5-119
control of, 6-21, 6-24
CS factors, 6-15
CSS for, 3-174, 6-15, 6-33–6-34
defined, 3-9
engineers, use of, 6-10, 6-34
fire support for, 6-8, 6-28–6-30
follow and support during, 6-52
force, size of, 6-5
formation for, 3-131, 3-132, 6-25–6-27
information and, 6-48
initiative during, 6-39
ISR during, 6-38, 6-40, 6-42–6-44
liaison, requirement for, 6-7
exploitation (continued)

LOA and, 3-19
local, 6-3
major, 6-3
mobility requirements for, 6-7, 6-10
obstacles, use of, 6-17, 6-31
offensive IO and, 6-28
penetration and, 3-100
pursuit, transition to, 7-39
rear area and base security, during, 6-34
reconnaissance forces, use of, 6-12
reserve, use of during, 6-11, 6-26, 6-34, 6-54
risk during, 6-49
security forces, use of, 6-13
security, during, 6-23, 6-45
targeting considerations, 6-28

fire support (assets), air assault operations, for, C-60
airborne operations, for, C-29, C-34
Army aviation, and, 3-144
assault on an objective, for, 5-95
attack criteria, 5-39–5-40
attack, for, 5-41
base/base cluster defense, for, E-76, E-93, E-125, E-129
breakout, for, D-63, D-68
CAS and, 3-144
CFZ and, 2-61
control of, 5-5
convoy security and, E-173, E-179
defensive encirclement operations, for, D-35
defensive operations, for, 8-50–8-58
delay, for, 11-20, 11-55, 11-60
exploitation, for, 6-28–6-30
FCL and, 3-18
forward passage of lines, for, 16-21, 16-27
fratricide and, 3-143
LD and, 3-20
linkup, for, D-76, D-80
maneuver of, 5-82, 5-85, 5-96, 5-115
mobile defense, for, 10-15–10-16
MTC, for, 4-23, 4-34, 4-54
obstacle belts and, 2-109
offensive encirclement operations, for, D-19
offensive operations, for, 3-141–3-149
passage of lines, for, 16-13
planned targets, 2-98
position areas for, 5-82
pursuit, for, 7-12, 7-30
quick-fire net and, 3-148
rearward passage of lines, for, 16-36, 16-38

reconnaissance operations, for, 13-10, 13-17, 13-21, 13-65
relief in place, for, 15-12, 15-13, 15-29
screen, for, 12-55
search and attack, for, 4-66
security operations, for, 12-29
spoiling attacks, for, 5-166, 5-168
supporting range and, 3-147
trigger line for, 2-71–2-72
zone reconnaissance, for, 13-31

fire support base, search and attack, use during, 4-69
fire support target, 2-96–2-98. See also target
TRP as, 2-69
fires, AO and, 2-43–2-44, 3-7
fix (tactical mission task), air interdiction, as a means of, 5-77
attack and, 5-73–5-78
exploitation and, 6-46
interdiction, as a means of, 5-77
pursuit, during, 7-25, 7-31
fixing force, mobile defense, in, 8-6, 10-28. See also search and attack
flank(s), 2-17–2-19
defined, 2-17
delay and, 11-22, 11-48
envelopment and, 2-38
offensive operations and, 3-158
penetration and, 3-99
screen and, 12-48
support-by-fire position and, 3-24
flank cover, 12-91, 12-105–12-106
flank guard, 12-76–12-85, 12-105
flank security. See security operations,
flanking position, 2-19
FLOT, 2-99

F

FCL, 3-12, 3-18, 5-89–5-93
FEBA, airhead line, compared with, C-23
defined, 8-13
FLOT and, 2-99
security force, 8-13
feint, 3-106, 5-160–5-161
FFA, 2-86
field artillery. See fire support
field of fire, 11-31
finishing force. See search and attack,
fire and movement, mutual support of, 2-21
fire control measure(s), 2-64–2-73
check point as, 2-60
defensive operations, during, 8-28–8-27
fire discipline, ambush, during, 5-141
fire plan. See fire support,
fire strike (reduce technique), D-19
fire superiority, 5-17

F

FCL, 3-12, 3-18, 5-89–5-93
FEBA, airhead line, compared with, C-23
defined, 8-13
FLOT and, 2-99
security force, 8-13
feint, 3-106, 5-160–5-161
FFA, 2-86
field artillery. See fire support
field of fire, 11-31
finishing force. See search and attack,
fire and movement, mutual support of, 2-21
fire control measure(s), 2-64–2-73
check point as, 2-60
defensive operations, during, 8-28–8-27
fire discipline, ambush, during, 5-141
fire plan. See fire support,
fire strike (reduce technique), D-19
fire superiority, 5-17

F

FCL, 3-12, 3-18, 5-89–5-93
FEBA, airhead line, compared with, C-23
defined, 8-13
FLOT and, 2-99
security force, 8-13
feint, 3-106, 5-160–5-161
FFA, 2-86
field artillery. See fire support
field of fire, 11-31
finishing force. See search and attack,
fire and movement, mutual support of, 2-21
fire control measure(s), 2-64–2-73
check point as, 2-60
defensive operations, during, 8-28–8-27
fire discipline, ambush, during, 5-141
fire plan. See fire support,
fire strike (reduce technique), D-19
fire superiority, 5-17

F

FCL, 3-12, 3-18, 5-89–5-93
FEBA, airhead line, compared with, C-23
defined, 8-13
FLOT and, 2-99
security force, 8-13
feint, 3-106, 5-160–5-161
FFA, 2-86
field artillery. See fire support
field of fire, 11-31
finishing force. See search and attack,
fire and movement, mutual support of, 2-21
fire control measure(s), 2-64–2-73
check point as, 2-60
defensive operations, during, 8-28–8-27
fire discipline, ambush, during, 5-141
fire plan. See fire support,
fire strike (reduce technique), D-19
fire superiority, 5-17

F

FCL, 3-12, 3-18, 5-89–5-93
FEBA, airhead line, compared with, C-23
defined, 8-13
FLOT and, 2-99
security force, 8-13
feint, 3-106, 5-160–5-161
FFA, 2-86
field artillery. See fire support
field of fire, 11-31
finishing force. See search and attack,
fire and movement, mutual support of, 2-21
fire control measure(s), 2-64–2-73
check point as, 2-60
defensive operations, during, 8-28–8-27
fire discipline, ambush, during, 5-141
fire plan. See fire support,
fire strike (reduce technique), D-19
fire superiority, 5-17

F

FCL, 3-12, 3-18, 5-89–5-93
FEBA, airhead line, compared with, C-23
defined, 8-13
FLOT and, 2-99
security force, 8-13
feint, 3-106, 5-160–5-161
FFA, 2-86
field artillery. See fire support
field of fire, 11-31
finishing force. See search and attack,
fire and movement, mutual support of, 2-21
fire control measure(s), 2-64–2-73
check point as, 2-60
defensive operations, during, 8-28–8-27
fire discipline, ambush, during, 5-141
fire plan. See fire support,
fire strike (reduce technique), D-19
fire superiority, 5-17

F

FCL, 3-12, 3-18, 5-89–5-93
FEBA, airhead line, compared with, C-23
defined, 8-13
FLOT and, 2-99
security force, 8-13
feint, 3-106, 5-160–5-161
FFA, 2-86
field artillery. See fire support
field of fire, 11-31
finishing force. See search and attack,
fire and movement, mutual support of, 2-21
fire control measure(s), 2-64–2-73
check point as, 2-60
defensive operations, during, 8-28–8-27
fire discipline, ambush, during, 5-141
fire plan. See fire support,
follow and assume (force), breakout, in a, D-42, D-46, D-62, D-63
exploitation, in the, 5-119, 6-3, 6-7
forward passage of lines, in a, 6-7
penetration, in a, 3-82, 3-85, 3-99, 3-100
follow and support (force), breakout, during a, D-46
bypassed enemy, and, 5-88
exploitation, during an, 5-119, 6-7, 6-52
offensive encirclement operations, during, D-5
penetration, during a, 3-82
pursuit, during a, 7-7, 7-15, 7-25
follow-on echelon, C-15
foot march, 14-2
force protection, 1-32
area defense, during, 9-6, 9-36
area security and, 12-116
base/base cluster defense and, E-96
contractors for, E-6-E-10
DOD civilians for, E-6-E-10
obstacles and, 2-110
offensive operations, 3-157-3-166
perimeter defense and, 8-127
rear area and, 2-79
security operations and, p. 12-0
forced march, 14-6
formation, box, 3-131
column, 3-125-3-126
diamond, 3-132-3-133
echelon, 3-129-3-130
line, 3-127-3-128
vee, 3-136-3-137
wedge, 3-134-3-135
forms of maneuver, 3-28-3-107. See also individual forms
forward boundary, 2-51
defensive operations, during, 8-12
LOA and, 3-19
forward defense, linear obstacle, of, 8-114
perimeter defense and, 8-122, 8-123
forward military crest, fig. 8-14
forward passage of lines, 16-21-16-30
civil considerations for, 16-29
CSS for, 16-29
defined, 16-2
exploitation, in the, 6-7
fire support for, 16-21, 16-27
offensive IO for, 16-27
reconnaissance operations for, 16-26
security of LD and, 16-21
security operations and, 16-26
forward slope, fig. 8-14
FFP, 8-25
fratricide (prevention), 5-141, 8-56, 8-65
base/base cluster defense and, E-90
EA and, 2-65
fire support and, 3-143
FLOT and, 2-99
FSCL and, 2-84
infiltration (form of maneuver), and, 3-65
linkup and, D-80
LOA and, 3-19
mobile defense and, 10-1
obstacles and, 2-110
passage of lines, and, 16-5, 16-14
pursuit and, 7-15
relief in place and, 15-5
search and attack and, 4-67
security operations and, 12-22
stay-behind operations and, 11-120
striking force and, 10-16
terrain management and, 2-41
frontal attack, 3-102-3-109
CSS for, 3-108
defined, 3-102
reconnaissance in force conducted as, 13-40, 13-41
reserve for, 3-108
shaping operation, 3-31, 3-102, 3-106
frontal pursuit, 7-9
FSCL, 2-84-2-85
FSCM, 2-81-2-95. See also individual measures
defensive operations, during, 8-24-8-25, 8-53
permissive, 2-82-2-86. See also individual measures
pursuit, during, 7-17
restrictive, 2-87-2-95. See also individual measures
security operations, 12-22
G
gamble. See military gamble, general control (rear area and base security), E-37
ground tactical plan, C-4, C-5
air assault operations, C-58-C-59
airborne operations, C-35
guard (form of security operation), 12-62-12-87
advance, 12-69-12-75
area defense, as a, 12-66
breakout and, D-47
cover and, 12-93
cover, compared to, 12-89-12-90
defined, 12-1
delay, as a, 12-66
flank, 12-76-12-85. See also flank guard
MTC, as a, 12-66
rear, 12-86-12-87
screen and, 12-62	screen as part of, 12-68
types of, 12-63
guard (form of security operation) (continued)
zona reconnaissance, as a, 12-66

H
hammer and anvil (reduce technique), D-22
hasty attack, ISR, as a means of, 1-32
pursuit and, 7-11, 7-25, 7-39
hasty defense, pursuit during, 7-12
hasty operation, 1-21–1-37
heavy forces, assailable flank for, 2-18
assembly area location and, 2-59
defense, use in the, 8-47
delay, use in, 11-39
infiltration (form of maneuver), and, 3-58
penetration, 3-92, 3-100
pursuit, use during, 7-11, 7-12
rear area and base security, use in, 8-113
tactical mobility and, 2-30
H-hour, different meanings of, 3-27
host nation support. See multinational operations, human dimension, 1-17–1-19
airborne operations, during, C-33, C-35
area security and, 12-116
cohesion and, 5-112
defensive encirclement operations, during, D-26, D-28, D-39–D-40
example of, p. 1-5
limited visibility operations, during, 3-140
march discipline and, 14-53
offense to defense, during shift from, 9-87
reconnaissance operations, during, p. 13-0
retrograde, 11-3
transitions, during, 3-195, 8-165, 8-174

I–J
IBCT, combat formations for, 3-124
illumination, during limited visibility attacks, 5-34–5-35
infiltration, rally point and, 3-24
infiltration (form of maneuver), 3-56–3-82
aborting of, 3-81
defined, 3-56
mutual support and preventing, 2-22
infiltration (movement technique), 14-23–14-25
relief in place and, 15-4
infiltration lane, 3-65
information, attack planning, and, 5-20
exploitation, during, 6-48
pursuit, during, 7-12, 7-28, 7-35
information management, rear area and base security, E-25
reconnaissance operations, 13-9
information requirements, offensive operations, 3-119
reconnaissance operations, 13-17
information superiority, envelopment and, 3-37
turning movement and, 3-52
initiating directive, airborne operations, C-25
initiative, 1-38–1-42
area defense, during, 9-10
exploitation, during, 6-3, 6-39
offensive operations during, 3-1, 3-111
intelligence. See ISR
interdiction, fix and, 5-77
TAL and, 2-121
intermediate objective, 3-21, 5-87
intermediate staging area, C-15
intermediate staging base, 10-19, C-15
IPB, aerial, 8-72
approach march, for, 14-28
base/base cluster defense, for, E-59, E-72, E-82, E-83
defensive operations, during, 8-12
delay, during, 11-19
direct fire control measures and, 2-64
offensive cover and, 12-101
offensive operations, for, 3-115
reconnaissance operations, and, 13-2, 13-10, 13-46, 13-68, p. 13-0
reconnaissance-pull/push and, 13-49–13-50
search and attack and, 4-64
security operations, and, 12-7, 12-45
survivability operations and, 3-165
isolate (tactical mission task), nonlethal fires and, 5-76
ISR (assets/operations). See also
reconnaissance by fire; reconnaissance in force; reconnaissance objective; reconnaissance operations; reconnaissance-pull; reconnaissance-push, air defense, role in, 8-72
airborne operations, and, C-38
area defense, during, 9-4–9-5, 9-44, 9-57
attack, for, 5-19, 5-20, 5-65
base/base cluster defense, E-82, E-140
breakout, for, D-53–D-54
characteristics of, 13-14
consolidation, during, 5-106
cueing of, 13-52
defensive operations, for, 8-31–8-94
delay, for, 11-47, 11-35–11-36
explotation, during, 6-12, 6-38, 6-40, 6-42–6-44
fighting for information, 9-4
follow-through, during, 5-114, 5-121
hasty attack as a means of, 1-32
infiltration (form of maneuver), and, 3-62, 3-67
mobile defense, 10-25, 10-32
modernized, 5-66
MTC, use during, 4-2, 4-41
offensive encirclement operations, during, D-6, D-17
offensive operations, during, 3-115–3-119
PD and, 3-22
perimeter defense, during, 8-129
plan, 13-47, 13-48
pursuit, during, 7-19, 7-28, 7-29
rear area and base security, during, E-39
relief in place, 15-21
reverse slope defense, for, 8-148
risk and, 1-30
security operations, support to, 12-9, 12-27, 12-32
tactical road march, 14-11
transitions, 8-175
troop movement, 14-49–14-52
list, tbl. 13-1

K–L
key terrain, defined, 2-55
eexamples of, 8-38
kill zone, 5-129
landing plan, C-4
LC, defined, 2-100
LD and, 3-20
LD, attack position and, 3-15
defined, 3-20
fire support, 3-20
LC and, 3-20, 2-100
time of attack and, 3-26
transitions and, 3-20
leadership. See human dimension,
levels of war, 1-3, 1-4, 1-7–1-8
light forces, assailable flank for, 2-18
assembly area location and, 2-59
defense, use in the, 8-48
delay, use in the, 11-32
delay, use in the, 11-40
infiltration (form of maneuver), use in a, 3-58
penetration, use in a, 3-92
pursuit, use during, 7-11
stay-behind operations, use in, 11-120
light line, 14-18
limited conversion division, combat formations for, 3-124
limited visibility operations, breakout, during a, D-58
human dimension, 3-140
offensive operations, during, 3-138–3-140
passage of lines, during a, 16-15
reconnaissance operations, during, 13-66–13-67
relief in place, 15-8
troop movement, during a, 14-22, 14-52
withdrawal, during a, 11-86
line formation, 3-127–3-128
linear obstacle, defense of, 8-114
linkup operations, D-75–D-81
airborne operations, C-26, C-44
communications for, D-76
COP, D-76
fire support for, D-76, D-80
fratricide during, D-80
methods of, D-78–D-80
multinational, D-81
RFL and, 2-95
stay-behind operations and, 11-119
transitions and, 3-49
linkup point, 3-66
LOA, defined, 3-19
exploits and, 3-19
forward boundary and, 3-19
objective and, 3-19
pursuit and, 3-19
LOC(s), defined, 3-35
noncontiguous AO and, 2-56
offensive operations, 3-170, 3-171
local counterattack, area defense, 9-10, 9-79–9-82
decisive counterattack, comparison, 9-85
local exploitation, 6-3
local security, 12-118–12-120
area security and, 12-115
base/base cluster defense and, E-87
defined, 12-1
rear area and base security and, E-21
reconnaissance operations and, 13-5
LOGPAC, 4-14

M
main effort, 3-181
maintenance operations, defensive operations, during, 8-100
offensive operations, during, 3-172
retirement, during, 11-104
major exploitation, 6-3
major operation, 1-4
maneuver, defined, 2-20
forms of, 3-28–3-107. See also individual forms
means of exploiting, 5-80
march column, 14-10
march discipline, 14-53
march serial, 14-10
march techniques, 14-19–14-25
march unit, 14-10
marshaling plan, C-4
mass, defensive operations, during, 8-45
example of, p. 8-2–8-3
risk and, 1-35
mass-casualties, defensive operations, during, 8-101
MBA, 8-11
medical equipment and supplies, destruction of, 11-110
medical operations, offensive operations, during, 3-173
security operations, during, 12-36
meeting engagement, covering tasks for, 4-3, 12-100
METT-TC, 2-8
military crest, p. 1-7, fig. 8-14
military deception, 2-122, 5-160–5-161
air assault operations, during, C-48
area defense, during, 9-71
attack, during, 5-25
breakout, during, D-50, D-55–D-57, D-59
combat information and, 1-24
defensive operations, during, 8-56
DLIC and, 11-72
fix, as a means of, 5-78
flank guard and, 12-87
infiltration (form of maneuver), and, 3-73
mobile defense, during, 10-21, 10-22
relief in place, during, 15-18, 15-23
reverse slope defense and, 8-145, 8-154
smoke and, 8-94
military gamble, 1-27
mines. see obstacle, mission command, 2-37, 12-112
mixing reconnaissance assets, defined, 13-53
mobile defense, air defense during, 10-17
Army aviation, use of, 10-30
counterattack during, . See striking force
countermobility operations, 10-14, 10-18
CSS during, 10-19
defensive IO during, 10-22
defined, p. 10-1
delay, compared with, 11-38
example of, p. 10-2–10-3
fire support for, 10-15–10-16
fixing force during, 10-5, 10-28
ISR during, 10-25, 10-32
linear obstacle, of, 8-116–8-117
military deception during, 10-21, 10-22
mobility operations during, 10-18
obstacles, use of, 10-18, 10-29
offensive IO during, 10-22, 10-27
phases of, 10-23–10-37
reserve, use of, 10-3, 10-30
reserve, resourcing of, 10-10
risks associated with, 10-1
security operations, 10-25, 10-26
shaping operations, 10-27, 10-28
shaping operations, striking force. See striking force
survivability operations, 10-18
transitions to the offense, 8-161
when to conduct, 10-1
mobility (assets/operations), breakout, during a, D-69
defensive encirclement operations, during, D-36
defensive operations, during, 8-74–8-75
mobile defense, during, 10-18
MTC, during, 4-9
NBC reconnaissance, during, 8-75
offensive encirclement operations, during, D-13
offensive operations, during, 3-154–3-156
relief in place, during, 15-14
route reconnaissance, during, 13-25
striking force, during, 10-8, 10-36
troop movements and, 8-103
momentum, 1-41–1-42
breakout, during, D-42
CSS and, 3-167, 3-168
offensive operations, during, 3-112, 3-155
piecemeal commitment and, 2-24
morale. See human dimension, mortars. See fire support (assets),
mounted assault, 5-100–5-103
mounted march, 14-3
movement control, 2-42, 14-56, 15-30
movement control centers, 14-45
movement order, 14-40–14-42
movement plan, airborne/air assault operations, C-4
movement techniques, 14-32
movements, 14-4–14-5
movement to contact, advance guard and, 12-70
air defense and, 4-35
air support and, 4-2, 4-34, 4-54
Army aviation and, 4-12, 4-54
attack, compared with, 3-7
breakout and, D-60
bypass (tactical task) 4-25
concentration during, 4-36
| Control measures for, 4-16–4-20 | \( \text{O} \)          |
| Movement to contact (continued) | objective, 3-19, 3-21  |
| Decision points and, 4-27       | example of, p. 8-2     |
| Defined, p. 4-1                  | objective rally point, 3-24 |
| Fire support for, 4-23, 4-34, 4-54 | oblique defilade, 8-147, fig. 8-15 |
| Flank and rear security for, 4-11 | obscurants. See smoke |
| Formation for, 3-134             | obstacle(s), actions on |
| Fundamentals of, 4-1             | encountering, 4-39, 4-44, 4-47 |
| Guard as a, 12-66                | ambush, use in an, 5-130–5-131 |
| ISR, use of, 4-2, 4-41           | Area defense, use during, 9-77 |
| JAAT during, 4-54                | Area defensive operations, use during, 9-72 |
| Location of commander during, 4-40 | Consolidation, use during, 5-110 |
| LOGPAC during, 4-14              | Defensive operations, use during. See countermobility |
| Meeting engagement during, 4-3    | Defined, 2-102          |
| Movement during, 4-37–4-38       | Delay, 11-20, 11-23, 11-32, 11-40, 11-56 |
| Noncontiguous AO’s and, 3-6      | Directed, 2-103         |
| Offensive cover during, 12-101    | Emplacement authority for, 2-102 |
| Offensive IO during, 4-2, 4-54    | Exploitation, use during, 6-17, 6-31 |
| Operational-level example, p. 4-2 | Fix, as a means of, 5-78 |
| Pursuit and, 7-11                | Force protection and, 2-110 |
| Reconnaissance and surveillance plan for, 4-26 | Fratricide and, 2-110 |
| Reconnaissance in force conducted as, 13-40, 13-41 | Mobile defense, use during, 10-18, 10-29 |
| Reserve and, 4-13                | Offensive operations, use during, 3-157, 3-159 |
| Security operation, as a, 12-40   | Penetration, use during, 3-99 |
| Shaping operation as a, 4-28      | Protective. See protective obstacles |
| Situations requiring, 4-2         | Reconnaissance operations, use during, 13-12 |
| Sustainment of, 4-14–4-15         | Recording/reporting, 2-114 |
| Use of advance guard during, 4-8  | Relief in place, use during, 15-14 |
| MP forces, base/base cluster defense and, E-59 | Reserve, 2-103 |
| Troop movements and, 8-103, 14-48 | Restrictions on the use of, 2-115 |
| MSR, designations for, 2-120     | Security operations, use during, 12-31 |
| Multinational operations. See also rear area and base security | Smoke and, 8-93 |
| Rear area and base security base/base cluster defense, E-55, E-66, E-84, E-103, E-105, E-120, E-123, E-138 | Stay-behind operations, use during, 11-120 |
| Linkup operations, D-81          |                             |
| Reconnaissance operations, E-46   |                             |
| Relief in place, 15-31            |                             |
| Security operations, E-46         |                             |
| Troop movement, 8-103             |                             |
| Mutual support, 2-21–2-22         |                             |
| Civil considerations, E-41        |                             |
| Defensive operations, during, 8-46 |                             |
| Defined, 2-21                     |                             |
| Perimeter defense and, 8-125, 8-135 |                             |
| Rear area and base security and, E-41 |                             |
| Sectors of fire and, 2-68         |                             |
| NAI, defined, 2-101               |                             |
| Infiltration (form of maneuver), and, 3-58 |                             |
| Search and attack and, 4-67       |                             |
| TAI and, 2-101                    |                             |
| Zone reconnaissance and, 13-30     |                             |
| NBC operations, 8-47              |                             |
| Airborne operations, during, C-23 |                             |
| Base/base cluster defense, during, E-118 |                             |
| Defensive operations, during, 8-75, 8-90–8-92 |                             |
| Offensive operations, during, 3-166 |                             |
| Rear area and base security and, E-8, E-10 |                             |
| Reconnaissance operations, during, 13-17, 13-25 |                             |
| NFA, 2-93, 8-56                   |                             |
| Noncontiguous AO, 2-53–2-54, 2-55, 2-56 |                             |
| Area security and, 12-114         |                             |
| Defensive operations and, 9-7, 9-26 |                             |
| Defined, 2-50                     |                             |
| MTC and, 3-6                      |                             |
| Noncontiguous rear area, security of, 2-79 |                             |
offensive cover, 12-97–12-104
offensive encirclement operations.
See also envelopment, exploitation, MTC, penetration, pursuit,
Army aviation, use during, D-19 C-2 of, D-3
countermobility operations, during, D-13
CSS for, D-19
delay and, D-15
escape route (reduce technique), D-24
fire strike (reduce technique), D-19
fire support for, D-19
follow and support and, D-5
hammer and anvil (reduce technique), D-22
ISR during, D-6, D-9, D-17
mobility operations during, D-13
offensive IO during, D-19, D-24
phases of, D-2–D-6
reconnaissance operations during, D-17
reducing and enemy, D-18–D-25
security of, D-2
security operations during, D-4, D-17
spoiling attack during, D-15
squeeze (reduce technique), D-20–D-21
wedge (reduce technique), D-23
WMD, use during, D-14
offensive IO, area defense, use during, 9-68
assault on an objective, use during, 5-95
attack, use during, 5-28
base/base cluster defense, use during, E-144
breakout, use during, D-55–D-57
counterattacks, use during, 5-157

defensive operations, use during, 8-44
defensive operations, use during, 8-1
delay, use during, 11-34
disrupt, use during, 5-68
exploitation, use during, 6-28
fire superiority and, 5-17
forward passage of lines, use during, 16-27
hostile, area security and, 12-116
infiltration (form of maneuver), and, 3-73, 3-78
mobile defense, use during, 10-22, 10-27
MTC and, 4-2, 4-54
offensive encirclement operations, use during, D-19, D-24
offensive operations, use during, 3-149, 3-180
penetration, use during, 3-90
preparation fires, use during, 3-146, 5-57
pursuit, use during, 7-30
reconnaissance operations, use during, 13-21
offensive operations, air defense for, 3-150–3-152
area defense, during, 9-69
base/base cluster defense, during, E-87, E-119
BDAR, during, 3-172
C2 of, 3-176–3-185
CFL, 3-147
characteristics of, 3-3
communications during, 3-148, 3-184
COP during, 3-3, 3-184
CSS during, 3-167–3-175
culminating point of, 3-186–3-198
decision points during, 3-181
decisive terrain for, 3-121
defensive IO use during, 3-3
defined, p. 3-0
example of, p. 3-1–3-3, p. 8-2–8-3
fire support during, 3-143–3-149
flanks during, 3-158
force protection during, 3-157–3-166
force-oriented, 3-2
initiative during, 3-111
IPB during, 3-115
limited visibility, during, 3-138–3-140
LOC for, 3-170, 3-171
main effort of, 3-181
maintenance operations during, 3-172
medical operations during, 3-173
mobility operations during, 3-154–3-156
momentum during, 3-112, 3-155
NBC operations use during, 3-166
obstacles use during, 3-157, 3-159
offensive IO use during, 3-149, 3-180
perimeter defense, during, 8-139
preparation fires for, 3-145–3-146
reconnaissance in force conducted as, 13-39, 13-40
rivers, effect on, 3-156
security operations during, 3-3, 3-157, 3-158
survivability operations, 3-161–3-166
TCF use during, E-63
tempo of, 3-185
terrain-oriented, 3-2
transitions during, 3-186–3-198
transportation operations during, 3-171
types of, 3-5–3-9
visualization of, 3-110
OP, types of, 12-23
operation, defined, 2-23
operational framework, 2-4-2-5
operational pause, transitions to the offense, 8-159
OPSEC, during withdrawal, 11-67
ORA, 2-115
ORP, infiltration (form of maneuver), and, 3-60

P–Q
PAA, 2-117–2-119
passage lane, 16-7
passage of lines, 16-1, p. 16-0
area defensive operations, 9-64
communications during, 16-20
defensive cover during, 12-111
fire support during, 16-13
forward, 16-21–16-30. See also forward passage of lines
fratricide during, 16-5, 16-14
limited visibility operations during, 16-15
order of march for, 16-4
perimeter defense, during, 8-129
rearward, 16-31–16-40. See also rearward passage of lines
reasons for conducting, 16-1
traffic control during, 16-18
passage point, 16-6
passive air defense, 8-67–8-70
passive security (route security technique), E-152–E-153
patrols/patrolling, combat outpost and, 12-123
consolidation, during, 5-106–5-107
defense, use during, 8-46
defensive encirclement operations, use during, D-29

perimeter defense, use during, 8-119, 8-129
rally point and, 3-24
screen, use during, 12-23, 12-54
PD, defined, 3-22
direction of attack and, 3-18
ISR and, 3-22
security operations and, 3-22
time of attack and, 3-26
use of, 5-55
penetration, 3-82–3-101
conducting a, 5-118
exploitation and, 3-100
flanks during, 3-99
local counterattacks during, 5-159
obstacles, use during, 3-99
offensive cover during, 12-103
phases of, 3-91–3-92, 3-96–3-100
shaping operations during, 3-93, 3-97, 3-101
transitions during, 3-100
perimeter defense, 8-118–8-141. See also base/base cluster defense; defensive encirclement operations
base/base cluster defense and, E-122
control measures for, 8-131
CSS of, 8-141
force protection and, 8-127
ISR during, 8-129
offensive operations during, 8-139
passage of lines during, 8-129
patrolling during, 8-129
planning, 8-132–8-139
rear operations and, 8-128
reserve and, 8-120, 8-130, 8-136, 8-140
security operations during, 8-129
piecemeal commitment, 2-24
pile on technique, 2-24, 3-98

PIR, 13-2
PL, checkpoint as a substitute for, 2-60
defined, 2-116
FCL and, 3-18
flank guard, 12-83
LD as, 3-20
LOA and, 3-19
PLD and, 3-22
security operations and, 12-16
PLD, actions at, 5-89–5-93
assault position and, 3-12
defined, 3-22
point ambush, 5-129–5-132
position areas, 5-82
preparation fires, 5-57–5-58
offensive IO and, 3-146, 5-57
offensive operations, during, 3-145–3-146
primary position, 8-18
principles of war, 2-6
priority area (rear area and base security), E-36
protective obstacles, 2-110, 8-83
emplacement authority for, 2-102
provost marshal, troop movement and, 14-48
psychological factors. See human dimension
PSYOP, encirclement, use during, 7-37
pursuit, Army aviation, use of, 7-20
CAS, use of, 7-20
combination, 7-10–7-13
control of, 7-14–7-17
countermobility operations during, 7-21
CSS during, 3-174, 7-22–7-23
culmination during, 7-5
decisive operation of, 7-24, 7-30
defensive operations, transition to, 7-39
defined, p. 7-1
pursuit (continued)
encirclement during, 7-10, 7-33–7-34
engineer considerations, 7-13, 7-21
envelopments during, 3-36
exploitation, compared with, 7-3, 7-4
exploitation, transition to, 7-39
fire support for, 7-20, 7-30
follow and support during, 7-18
formation for, 3-131, 3-132
frontal, 7-9
FSCM for, 7-17
hasty attack, transition to, 7-39
hasty defense during, 7-29
initiation of, 6-3
ISR during, 7-19, 7-28, 7-29
LOA and, 3-19
mobility operations during, 7-21
mobility requirements for, 7-11–7-12
MTC during, 7-11
offensive IO during, 7-30
operational pause during, 7-18
organization for, 7-8–7-13
planning considerations for, 7-18
reserve, use during, 7-7, 7-18, 7-20
risk and, 7-4
security considerations, 7-22
security operations during, 7-29, 7-35
termination of, 7-5, 7-38
quartering party, tactical road march, 14-12
troop movement, 14-50
withdrawal, 11-84
quick-fire net, 3-148

R
radio silence/listening silence, 15-19
raid, 5-162–5-165

CSS for, 3-175
example of, p. 5-39
infiltration (form of maneuver), and, 3-58
rail movements, 14-5
rally point, ambushes and, 5-139
defined, 3-24
RAOC, E-16–E-17
reaction force, air assault operations, C-48, C-62
reaction operations, E-134–E-136
rear area, 2-78–2-79. See also rear area and base security
terrain management in, 8-100
rear area and base security. See also base/base cluster defense,
area classifications, E-34–E-39
area defense, and, 9-7
area security and, 12-115
base, E-19–E-22
base/base cluster defense, E-47–E-149. See also base/base cluster defense
base cluster, E-19, E-27–E-29
base commander, E-20
BDOC, E-23–E-26
civil affairs, E-43
civil considerations, E-29, E-40–E-46
command relationships, E-11–E-18
control of, E-30–E-46
convoy security, E-161–E-187. See also convoy security
counterintelligence operations during, E-46
counterterrorism operations during, E-48, E-65
criminal investigation and, E-46
CSS and, E-25, E-36
defensive operations during, 8-49, 8-112–8-113
DOD civilians and contractors and, E-6–E-10
exploitation, during, 6-34
host nation support of. See rear area and base security,
multinational operations
information management for, E-25
ISR and, E-39
multinational operations and, E-4, E-5, E-23, E-24, E-38, E-39
NBC operations and, E-8, E-10
priorities of, E-34–E-39
purpose of, p. E-0
RAOC, E-16–E-17
rear area commander, E-12–E-14, E-18
rear area security forces, E-57–E-64
rear area threat levels, E-31–E-33
rear command post, 2-78
reconnaissance operations for, E-46
response force, E-32, E-33
responsibilities, E-1–E-31
ROC, E-15
route security, E-150–E-160. See also route security
security operations and, E-38–E-39, E-46
Special Operations Forces, role of, E-65
TCF, role of, E-33
threat levels, E-31–E-33
utility of locations, E-34–E-39
rear area operations. See rear area and base security,
rear area security forces, E-57–E-64
rear area threat levels, E-31–E-33
rear guard, 12-86–12-87
breakout, during, D-48, D-65, D-67
withdrawal, during, 11-74, 11-87
rear operations. See rear area and base security
<table>
<thead>
<tr>
<th>Term</th>
<th>Reference</th>
</tr>
</thead>
<tbody>
<tr>
<td>rearward passage of lines</td>
<td>16-2, 16-31–16-40</td>
</tr>
<tr>
<td>reconnaissance. See ISR</td>
<td></td>
</tr>
<tr>
<td>reconnaissance by fire</td>
<td>13-65</td>
</tr>
<tr>
<td>reconnaissance in force</td>
<td>13-39–13-42</td>
</tr>
<tr>
<td>breakout, during, D-54</td>
<td></td>
</tr>
<tr>
<td>defined, 13-39</td>
<td></td>
</tr>
<tr>
<td>frontal attack, conducted as</td>
<td>3-102, 13-40, 13-41</td>
</tr>
<tr>
<td>MTC, conducted as, 13-40, 13-41</td>
<td></td>
</tr>
<tr>
<td>offensive operations, conducted as, 13-39, 13-40</td>
<td></td>
</tr>
<tr>
<td>reconnaissance operations, compared with other, 13-39</td>
<td></td>
</tr>
<tr>
<td>reconnaissance objective, 13-2—13-3</td>
<td></td>
</tr>
<tr>
<td>reconnaissance operations, airborne operations, during, C-37, C-43</td>
<td></td>
</tr>
<tr>
<td>approach march, 14-29</td>
<td></td>
</tr>
<tr>
<td>Army aviation, use during, 13-19, 13-58, 13-64, 13-68</td>
<td></td>
</tr>
<tr>
<td>base/base cluster defense and, E-106, E-107</td>
<td></td>
</tr>
<tr>
<td>civil considerations for, 13-1, 13-9, 13-14</td>
<td></td>
</tr>
<tr>
<td>close combat and, 13-11</td>
<td></td>
</tr>
<tr>
<td>decisive engagement and, 13-10, 13-11</td>
<td></td>
</tr>
<tr>
<td>defined, p. 13-0</td>
<td></td>
</tr>
<tr>
<td>fire support for, 13-10, 13-17, 13-21, 13-65</td>
<td></td>
</tr>
<tr>
<td>forms of, 13-22–13-42, p. 13-0. See also individual forms forms of, unit capabilities, tbl. 13-2</td>
<td></td>
</tr>
<tr>
<td>forward passage of lines and, 16-26</td>
<td></td>
</tr>
<tr>
<td>fundamentals of, 13-4–13-12</td>
<td></td>
</tr>
<tr>
<td>historical example, 13-13</td>
<td></td>
</tr>
<tr>
<td>human dimension and, p. 13-1 information management and, 13-9</td>
<td></td>
</tr>
<tr>
<td>IPB and, 13-2, 13-10, 13-46, 13-68, p. 13-0</td>
<td></td>
</tr>
<tr>
<td>ISR and, 13-9, 13-43, 13-47, 13-48</td>
<td></td>
</tr>
<tr>
<td>ISR plan, 13-47, 13-48</td>
<td></td>
</tr>
<tr>
<td>limited-visibility operations and, 13-66–13-67</td>
<td></td>
</tr>
<tr>
<td>local security and, 13-5</td>
<td></td>
</tr>
<tr>
<td>military intelligence assets and, 13-21</td>
<td></td>
</tr>
<tr>
<td>multinational, E-46</td>
<td></td>
</tr>
<tr>
<td>NBC operations and, 13-17</td>
<td></td>
</tr>
<tr>
<td>obstacles and, 13-12</td>
<td></td>
</tr>
<tr>
<td>offensive encirclement operations and, D-17</td>
<td></td>
</tr>
<tr>
<td>offensive IO during, 13-21</td>
<td></td>
</tr>
<tr>
<td>rear area and base security and, E-46, E-51</td>
<td></td>
</tr>
<tr>
<td>relief in place and, 15-10</td>
<td></td>
</tr>
<tr>
<td>reserve and, 13-7</td>
<td></td>
</tr>
<tr>
<td>risk and, 13-59, 13-64</td>
<td></td>
</tr>
<tr>
<td>security operations and, 13-5 security operations, compared with, p. 12-1</td>
<td></td>
</tr>
<tr>
<td>smoke for, 13-66</td>
<td></td>
</tr>
<tr>
<td>surveillance, compared with, 13-20</td>
<td></td>
</tr>
<tr>
<td>task organizing for, 13-55</td>
<td></td>
</tr>
<tr>
<td>visualization of, 13-43</td>
<td></td>
</tr>
<tr>
<td>reconnaissance-pull, 5-21, 13-49</td>
<td></td>
</tr>
<tr>
<td>reconnaissance-push, 5-22, 13-49</td>
<td></td>
</tr>
<tr>
<td>reconstitution, defensive cover, 12-110</td>
<td></td>
</tr>
<tr>
<td>defined, 2-25</td>
<td></td>
</tr>
<tr>
<td>reconnaissance operations, and, 13-69–13-72</td>
<td></td>
</tr>
<tr>
<td>training for, 13-71</td>
<td></td>
</tr>
<tr>
<td>recovery operations, delay and, 11-53</td>
<td></td>
</tr>
<tr>
<td>retirement and, 11-104</td>
<td></td>
</tr>
<tr>
<td>recuperation, 13-69</td>
<td></td>
</tr>
<tr>
<td>redundancy, reconnaissance assets, of, 13-54</td>
<td></td>
</tr>
<tr>
<td>refuel on the move, 14-51</td>
<td></td>
</tr>
<tr>
<td>regeneration, 2-25</td>
<td></td>
</tr>
<tr>
<td>rehearsal(s), area defense, for, 9-49–9-50, 9-52–9-53</td>
<td></td>
</tr>
<tr>
<td>combat formations, 3-124</td>
<td></td>
</tr>
<tr>
<td>CSS and, 9-52</td>
<td></td>
</tr>
<tr>
<td>exploitation and, 6-39</td>
<td></td>
</tr>
<tr>
<td>reinforcing effects, 2-13</td>
<td></td>
</tr>
<tr>
<td>release point, 14-16</td>
<td></td>
</tr>
<tr>
<td>relief in place, advance party for, 15-4, 15-28</td>
<td></td>
</tr>
<tr>
<td>air defense and, 15-14</td>
<td></td>
</tr>
<tr>
<td>air support and, 15-14</td>
<td></td>
</tr>
<tr>
<td>communications for, 15-18–15-19</td>
<td></td>
</tr>
<tr>
<td>CSS, 15-7, 15-12, 15-17, 15-28</td>
<td></td>
</tr>
<tr>
<td>defined, p. 15-1</td>
<td></td>
</tr>
<tr>
<td>fire support for, 15-12, 15-13, 15-29</td>
<td></td>
</tr>
<tr>
<td>fratricide during, 15-5</td>
<td></td>
</tr>
<tr>
<td>military deception during, 15-18, 15-23</td>
<td></td>
</tr>
<tr>
<td>mobility operations during, 15-14</td>
<td></td>
</tr>
<tr>
<td>movement control during, 15-30</td>
<td></td>
</tr>
<tr>
<td>multinational, 15-19, 15-31</td>
<td></td>
</tr>
<tr>
<td>reconnaissance for, 15-10, 15-21</td>
<td></td>
</tr>
<tr>
<td>security of, 15-8</td>
<td></td>
</tr>
<tr>
<td>survivability operations during, 15-14</td>
<td></td>
</tr>
<tr>
<td>techniques for, 15-1</td>
<td></td>
</tr>
<tr>
<td>warning order for, 15-9</td>
<td></td>
</tr>
<tr>
<td>reorganization, 2-25, 5-112, 13-72</td>
<td></td>
</tr>
<tr>
<td>replacements, 5-112</td>
<td></td>
</tr>
<tr>
<td>reserve(s), 5-156, 9-15</td>
<td></td>
</tr>
<tr>
<td>airborne operations, use during, C-41–C-42</td>
<td></td>
</tr>
<tr>
<td>area defense, use during, 9-2, 9-51, 9-65, 9-81–9-82, 9-78, 9-84</td>
<td></td>
</tr>
<tr>
<td>attacks, use during, 5-5, 5-6</td>
<td></td>
</tr>
<tr>
<td>base/base cluster defense, use during, E-51</td>
<td></td>
</tr>
<tr>
<td>breakouts, use during, D-42, D-49</td>
<td></td>
</tr>
<tr>
<td>consolidation, use during, 5-110</td>
<td></td>
</tr>
<tr>
<td>counterattack force, use as, 5-146</td>
<td></td>
</tr>
<tr>
<td>covering force operations, use during, 12-94</td>
<td></td>
</tr>
</tbody>
</table>
reserve(s) (continued)
defensive operations, use during, 8-5, 8-30, 8-44, 8-49, 8-64-8-65, 8-107
defensive cover, use as a, 12-110
defensive encirclement operations, use during, D-32–D-33
delay, use during a, 11-11, 11-41, 11-62
envelopment, use during an, 3-41
example of absence, p. 5-39
example of proper use, p. 1-7–1-8
exploitation, use during an, 6-11, 6-26, 6-34, 6-54
fire support and, 9-12
flank guard, use as, 12-78
frontal attack and, 3-108
mobile defense, use during a, 10-3, 10-6, 10-10, 10-30
momentum, use of to maintain, 5-97
MTC, use during, 4-13
offensive cover, use as an, 12-101, 12-102
penetration, use during a, 3-82, 3-99
perimeter defense, use during, 8-120, 8-130, 8-136, 8-140
pursuit, use during, 7-7
reconnaissance operations, use during, 13-7
response force, use as a, E-58
reverse slope defense, use in a, 8-148, 8-153
security force, use as, 9-14
size of, 9-13
spooling attacks and, 5-168
stationary screen, use during, 12-54
tasks for, 9-11
transitions to the offense and, 8-166
turning movement, use during, 3-45
withdrawal, use in, 11-75, 11-84, 11-90
zone reconnaissance, use in, 13-31
reserve obstacle, example of, 8-78. See also obstacle
retirement, 11-92–11-108
advance guard and, 11-98
Army aviation, use during, 11-99
battlefield circulation during, 11-108
civil considerations for, 11-106, 11-108
CSS during, 11-95, 11-99, 11-101–11-108
defined, 11-92
maintenance operations during, 11-104
medical evacuation priorities during, 11-107
MP forces, use during, 11-108
recovery operations during, 11-104
security operations during, 11-92, 11-97–11-99
tactical road marches during, 11-93
transportation priorities for, 11-105
retrograde. See also individual forms
area defense and, 9-88–9-89
defined, p. 11-1
denial operations and. See denial operations
emergency destruction of equipment during. See denial operations
flank guard during, 12-87
forms of, 11-2
historical example, p. 11-2–11-3
indications of an enemy, 7-1, 7-19
transitions to, 3-198
reverse military crest, fig. 8-14
reverse planning, airborne/air assault operations, C-3–C-6, C-47
reverse slope, fig. 8-14
reverse slope defense, 8-142–8-154
RFA, defined, 2-94, 2-99
RFL, defined, 2-95, 7-17
risk, air defense and, 8-60
airborne/air assault operations during, C-5
area defense, during, 9-7
decision making and, 1-23–1-26, 1-30–1-37
defensive operations, during, 8-30, 8-112, 8-115
delay, during, 11-7, 11-25
exploitation, during, 6-49
ISR and, 1-30
mass and, 1-35
noncontiguous AOs and, 2-55
pursuit during, 7-4
reconnaissance operations during, 13-59
reduction factors, fig. 1-4
security operations during, 1-34
tactical enabling operations and, 2-2
time and, 1-26
river-crossing, air assault operations and, C-49
rivers, offensive operations and, 3-156
ROC, E-15
ROE, 2-27
route reconnaissance, 13-23–13-28
route security technique, as a, E-154
route security, E-150–E-160
routes, designation of, 2-42

Index-18
S
scatterable mines, fix, as a means of, 5-78
science of tactics, 1-10–1-11
screen, 12-47–12-61
screen (form of security operations), Army aviation and ISR systems, use in place of, 4-11
boundaries for, 12-15
breakout and, D-47
cover, compared to, 12-89–12-90
derived, 12-1
economy of force, as a, 12-48
fire support for, 12-55
flank guard and, 12-78
flanks and, 12-48
forward passage of lines and, 16-26
guard, as part of, 12-68
guard, compared with, 12-62, 12-65
limited visibility, during, 12-61
movement methods for, tbl. 12-2
moving, 12-58–12-60
patrols, 12-23, 12-54
relief in place, during, 15-27
reserve and, 12-54
stationary, 12-54–12-57
search and attack operations, 4-60–4-72
air assault operations and, C-48
AOs and, 3-6
battlefield organization for, 2-80
control measures for, 4-62
defined, 4-60
fire support during, 4-66
fire support base, use during, 4-69
fratricide, prevention of during, 4-67
IPB for, 4-64
NAIs and, 4-67
piecemeal commitment and, 2-24
purposes of, 4-63
sector of fire, 2-68
security (area/force[s]/operations), 12-20–12-21, 12-113–12-117, p. 12-0
air assault operations during, C-67
airborne operations during, C-37, C-43
AO and, 2-45
approach march during, 14-29
area defense, during, 9-6–9-7, 9-27, 9-57–9-66, 9-75
base/base cluster defense, during, E-72, E-89–E-90, E-129
BHL and, 12-14, 12-15
breakout, during, D-47
constraints on, 12-28
control measures, labeling of, 12-13
COP and, 12-32
counter mobility operations and, 12-31
CSS for, 12-33–12-36
defensive encirclement operations, during, D-29
defensive operations, during, 8-30, 8-43, 8-47
delay, during, 11-5, 11-41, 11-48, 11-50–11-53
diamond formation and, 3-132
delaying, 12-25
example of, p. 8-2–8-3
exploitation, during, 6-13, 6-23, 6-45
FEBA, and the, 8-13
fire support for, 12-29
force size, Tbl. 12-1
forms of, 12-1
forward passage of lines and, 16-26
fratricide during, 12-22
FSCM for, 12-22
fundamentals of, 12-5–12-10
historical example, p. 12-3–12-4
infiltration (form of maneuver), and, 3-62, 3-77, 3-79
IPB and, 12-7, 12-45
ISR and, 12-9, 12-27, 12-32
medical operations during, 12-36
mobile defense and, 10-25, 10-26
movement during flank, 12-42–12-46
movement for stationary missions, 12-38–12-41
MTC and, 4-7–4-11, 12-40
munitions, E-46
obstacles and, 12-31
offensive encirclement operations, D-4, D-17
offensive operations, 3-157, 3-158
OPs, types of, 12-23
passage of lines, 16-4
PD and, 3-22
perimeter defense, during, 8-119, 8-129, 8-134
PLs and, 12-16
pursuit, during, 7-17, 7-22, 7-29, 7-35
rear area and base, See rear area and base security
rear boundary and, 12-14
rearward passage of lines and, 16-35
reconnaissance operations and, 13-5
reconnaissance operations, compared with, p. 12-1
reserve, as a, 9-14, 9-66
retirement, 11-92, 11-97–11-99
risk during, 1-34
tactical mobility and, 12-31
transitions during, 12-25
troop movement during, 14-54
withdrawal, 11-70–11-71, 11-74, 11-84, 11-87, 11-90
zone reconnaissance, 12-41
attacks, use of during, 5-84
defensive operations, use during, 8-93–8-94, 8-117
delay, use of during, 11-34, 11-46
fix, as a means of, 5-78
military deception and, 8-94
MTC, use of during, 4-34
obstacles and, 8-93
passage of lines, use of during, 16-15
penetration, use of during, 3-93
rear areas, use of to protect, 5-93
reconnaissance operations, use of during, 13-66
support-by-fire positions and, 5-87
thermal viewers, defeating with, 5-93, 8-93, 8-94
withdrawal use of during, 11-86
SOF, infiltration (form of maneuver), and, 3-58
rear area and base security, role in, E-65
spoil attack, 5-166–5-169, 8-44
area defense, during, 9-39–9-43
defensive encirclement operations, during, D-15, D-33
withdrawal, during, 11-89
squeeze (reduce technique), D-20–D-21
staff estimates, 3-158
start point, 14-15
stay-behind force/operations, 11-118–11-122. See also
defensive encirclement operations
breakout and, 11-119
defined, 11-118
delay and, 11-40
fratricide and, 11-120
linkup and, 11-119
obstacles and, 11-120
striking force, 5-146, 5-148, 8-44, 8-64–8-65, 10-6–10-12, 10-21, 10-24, 10-25, 10-27, 10-32
area defense and, 9-1
combat formation for, 10-34
composition of, 10-3
counter mobility operations and, 10-36
defined, 8-6
linear obstacle, defense of, 8-117
mobility operations and, 10-36
reserve, compared with, 10-6
strongpoint, 8-22. See also
defensive encirclement operations; perimeter defense
subsequent position, 8-21
successive bounds, 14-38
supplementary position, 8-20
support-by-fire position, bounding
overwatch and, 14-37, 14-38
defined, 3-24
infiltration (form of maneuver), and, 3-58
supporting distance, 6-23, 6-46, 7-32
air assault operations and, C-63
contiguous AOs and, 2-52
defined, 2-28
envelopment and, 3-34, 3-39
turning movement and, 3-43, 3-51
supporting range, 6-23, 6-30, 7-12, 7-29
contiguous AOs and, 2-52
defined, 2-29
fire support and, 3-147
flank guard and, 12-77
forward passage of lines and, 16-21
mobile defense and, 10-15–10-16
noncontiguous AO and, 2-55
security operations and, 12-21
turning movement and, 3-43, 3-44

security platoons, E-50, E-52
sequences. See transitions,
shaping operation, breakout as a, D-55–D-57, D-59
delay as a, 11-5
frontal attack as a, 3-31, 3-102
area defense, during, 9-57, 9-67–9-71
attacks and, 5-6
attack, during, 5-68, 5-70
defensive operations, during, 8-107
mobile defense and, 10-5, 10-27, 10-28
MTC and, 4-27
penetration and, 3-93, 3-97, 3-101
width of AO and, 5-6
shuttling (troop movement), 14-43
situational understanding, 1-32, 5-66
airborne/air assault operations, during, C-8
area defense, during, 9-80
assault on an objective, during, 5-97
attack execution and, 5-64
base/base cluster defense and, E-116
breakout, during, D-53
decision making and, 1-16
defensive operations and, 8-106
exploitation, during, 6-12
infiltration (form of maneuver), and, 3-58
mobile defense, during, 10-31
noncontiguous AO and, 2-55
passage of lines, during, 16-12
smoke, 5-90, 5-93
air assault operations, use of during, C-69
area defense, use of during, 9-75
assault on an objective, use of during, 5-95, 5-98

See also

defensive encirclement operations
breakout and, 11-122
defined, 11-118
fire support and, 3-147
flank guard and, 12-77
forward passage of lines and, 16-21
mobile defense and, 10-15–10-16
noncontiguous AO and, 2-55
security operations and, 12-21
turning movement and, 3-43, 3-44
supporting range (continued)
zone reconnaissance, 13-31
surprise, air assault operations and, C-48, C-60
airborne operations and, C-36
ambushes and, 5-136, 5-141
attacks, and, 5-25
counterattacks and, 5-153
envelopments and, 3-37
factors that contribute to, 5-72
offensive operations and, 3-138, 3-180
preparation fires and, 3-145
reverse slope defense and, 8-143, 8-145, 8-149, 8-154
shaping operations and, 5-68
survivability operations, area defense, during, 9-48
base/base cluster defense, during, E-95
CSS considerations for, 8-87
damage-limiting measures, 8-71
defensive operations, during, 8-85–8-94, 8-112
delay, during, 11-46
IPB for, 3-165
military deception and, 8-88
mobile defense, during, 10-18
offensive operations, during, 3-161–3-166
OPSEC and, 8-88
relief in place, during, 15-14
sustaining operations, 2-78. See also CSS
sustainment load, 3-168

T
tactical enabling operations, 2-2
tactical level of war, 1-3–1-8
tactical march techniques, 14-19–14-25
tactical mobility, airborne operations and, C-30
assembly area location and, 2-59
BDF and, E-51
defense operations and, 9-25
defined, 2-30
delay and, 11-20
envelopment and, 3-37
mobile defense and, 10-14
noncontiguous AOs and, 2-55
reconnaissance operations and, 13-10
security operations and, 12-31
TCFs and, E-63
turning movements and, 3-43
tactical obstacles, 8-83
tactical problems, solving, 1-38–1-49
tactical problems, TTP and, 1-2
tactical proficiency, 1-46
tactical road march, 14-8–14-25
approach march, compared with, 14-31
quartering party for, 14-12
reconnaissance and, 14-11
retirement and, 11-93
tactician, defined, 1-9
tactics, defined, p. 1-1
TAI, defined, 2-121
infiltration (form of maneuver), and, 3-58
NAI and, 2-101
target(s), 2-96–2-98. See also indirect fire target
targeting, exploitation, during, 6-28
task organization, defensive operations, for, 8-108
reconnaissance operations, 13-55
training and, 8-108
TCF, E-33, E-60–E-64, E-118
area defense, and, 9-7
base/base cluster defense, and, E-84, E-87
civil considerations for, E-64
CSS for, E-64
fire support for, E-63, E-64
rear area and base security and, 8-113
risk and, E-60
tempo, modernized systems and, 5-66
offensive operations, 3-185
techniques for maintaining, 3-161
tenets of Army operations, 2-7
terrain information, reconnaissance operations and, 13-17
terrain management, 2-41
fratricide and, 2-41
rear area and base security and, E-3
rear area, in the, 8-100
thermal viewers, defeating, 5-93, 8-93–8-94
threat levels, rear area, E-31–E-33
time-constrained environment, decision making in a, 1-31
time of attack, defined, 3-26
topographic crest, fig. 8-14
traffic circulation plan, 14-48
traffic control, area defense, 9-82
passage of lines, 16-18
traffic control plan, 14-48
training, 5-112
base/base cluster defense, for, E-114–E-115
decision making and, 1-29
exploitation and, 6-39
offensive operations and, 3-138
reconstitution for, 13-71
task organizing and, 8-108
transitions, 1-47, 2-1, 5-120, 7-39
area defense and, 9-83, 9-87–9-89, 3-198
attacks, during, 5-81, 5-86
combat power and, 8-176
COP and, 8-169
CSS and, 8-164
decision points and, 3-47
defense to offense, 8-105

Index-21
transitions (continued)
defensive cover and, 12-110
defensive operations, during, 8-8, 8-155–8-176
defensive operations, to, 3-196–3-197
delay and, 11-64
everenvolvement and, 3-36, 3-41
eexample of, p. 5-39
exploitation during, 6-22
human dimension of, 3-195, 8-165, 8-174
ISR and, 8-175
LD and, 3-20
mobile defense and, 10-37
offensive cover and, 12-104
offensive operations and, 3-10, 3-186–3-198, 8-159–8-170
passage of lines and, 16-1, p. 16-0
PD and, 3-22
penetration and, 3-100
planning for, 8-155–8-157
pursuit and, 7-3, 7-4
relief in place and, p. 4-1
reserve and, 8-166
retrograde and, 3-198, 8-171–8-176, p. 11-1
risk and, 9-88
security operations and, 12-25
timing of, 8-165
turning movements and, 3-42, 3-47
withdrawals and, 11-90
traveling (movement technique), 14-34
traveling overwatch (movement technique), 14-35
trigger line, 2-70–2-73, 11-57
Troop movements, administrative movements and, 14-7
air, 14-4
air assault operations and, C-12
airborne/air assault operations and, C-12
approach march, 14-26–14-31
breakouts and, D-66
civil considerations, 14-5, 14-41
coordination of, 14-45
CSS, 14-44, 14-52, 14-55
defined, p. 14-1
engineer reconnaissance and, 14-44, 14-47
forced march, 14-6
hails, 14-24–14-25
limited visibility, during, 14-22, 14-52
march column, 14-10
march serial, 14-10
march unit, 14-10
methods of, 14-1–14-6
mobility resources and, 8-103
movement techniques, 14-32
MP forces and, 14-48
provost marshal, 14-48
quartering party, 14-50
rail, 14-5
reconnaissance and, 14-49–14-52
refuel on the move, 14-51
security operations and, 14-54
shuttling, 14-43
tactical road march, 14-8–14-25. See also tactical road march
traffic circulation plan, 14-48
traffic control plan, 14-48
types of, p. 14-1
water, 14-5
TRP, 2-69
TTP, tactical problems and, 1-2
turning movements, 3-42–3-55
CSS and, 3-44, 3-50–3-51
defined, 3-42
envolvement, compared to, 3-34, 3-42
linkup and, 3-49
pursuit and, 7-10
reserve and, 3-45
transitions, 3-47
U–V
uncertainty. See risk
vee formation, 3-136–3-137
vertical envelopment, 3-29, 3-42
visualization, 2-5, 2-8, 3-110, 3-158, E-83
W–Z
water, making unfit to drink, 11-110
water movements, 14-5
wedge formation, 3-134–3-135
wedge (reduce technique), D-23
withdraw by bounds, 5-142
withdrawal, 11-65–11-91
caches and, 11-85
counterattacks and, 11-89
CSS, 11-67, 11-81, 11-85, 11-88
defined, 11-65
destruction criteria and, 11-85
DLIC and. See DLIC
key decisions during, 11-81
OPSEC and, 11-67
quartering parties and, 11-83
rear guard and, 11-74, 11-87
reserve and, 11-75, 11-84, 11-90
security operations and, 11-70–11-71, 11-74, 11-84, 11-87, 11-90
smoke, use of during, 11-86
spoilng attacks during, 11-89
stay-behind force and. See stay-behind force
termination of, 11-90
transitions, 11-90
variations of, fig. 11-78
WMD, defensive operations and, 8-116
delays and, 11-45
mobile defense and, 10-1
offensive encirclement operations and, D-14
threat of, 9-29, 9-36

Index-22
WMD (continued)

zone reconnaissance, 13-29–13-34
airborne operations and, C-38
area reconnaissance,
compared with, 13-35
defined, 13-29
fire support for, 13-31
flank guard and, 12-81
guard as an, 12-66
offensive cover and, 12-101
reserve and, 13-31
security operation, as a, 12-41
supporting range and, 13-31