

What Every Armor Lieutenant Should Know (as of 14OCT20)

References:

ADP 3-90	AR 220-1	CTA 50-970
ADP 5-0	AR 25-50	TM 9-2350-388-10-1
ADP 6-22	AR 27-10	TM 9-2350-388-10-2
ADP 7-0	AR 600-8-19	TM 9-2350-388-10-3
ATP 2-01.3	AR 600-8-22	TM 9-2350-388-10-4
ATP 3-11.32	AR 601-280	LO 9-2350-388-13
ATP 3-20.15	AR 623-3	TC 3-20.31-4
ATP 3-20.96	AR 700-82	TC 3-20.40
ATP 3-20.98	AR 735-5	TC 3-22.19
ATP 3-90.1	AR 750-1	TC3-22.240
ATP 3-90.5	DA PAM 385-30	TC 3-22.32
ATP 4-02.2	DA PAM 710-2-1	TC 3-22.50
ATP 4-33	DA PAM 738-750	TC 3-23.25
ATP 4-43	DA PAM 750-3	TC 3-23.30
ATP 4-90	FM 1-02.2	TC 3-23-35
ATP 4-93.1	FM 2-1	TC 3-25.16
ATP 5-19	FM 27-1	TC 3-93.3
ATP 6-0.5	FM 3-20.21	https://armypubs.army.mil/
ATP 6-02.60	FM 3-90-2	https://www.logsa.army.mil/#/psmag
ATP 6-22.1	FM 3-96	https://www.benning.army.mil/armor/eARMOR/
ADRP 3-0	FM 4-02.4	https://fmsweb.fms.army.mil/unprotected/splash/
ADRP 4-3	FM 6-0	https://alu.army.mil/alog/2017/NOVDEC17/PDF/NOVDEC2017_insert.pdf
AR 15-6	FM 7-0	https://www.ustranscom.mil/dtr/
	FM 8-10.4	

Armor Branch

1. When did Armor become a permanent branch of the Army?
2. What tank is on the Armor Branch Insignia?
3. What is General Adna Chaffee known for?
4. What was the 761st Tank Battalion's motto?
5. Who was 2LT Thomas Weldon Fowler Sr and SSG Ruben Rivers?
6. Who is the current Chief of Armor?

7. When is the Armor Branch's Birthday?
8. What is the Sullivan Cup? Gainey Cup?
9. What is Fiddler's Green?
10. What year did the fielding of the M1 Abrams Tank begin?
11. What are the duties and responsibility of a Tank Platoon Leader? Company Executive Officer? First Sergeant? Company Commander?
12. How many Tank Platoons are in an Armor Company?
13. How many tanks in a combined arms battalion (CAB)?
14. How many soldiers are assigned to a tank platoon?
15. How many soldiers are assigned to a tank company by MTOE?
16. What is a 19K?
17. How many ABCTs are in the Army?
18. What unit(s) conducted the "Thunder Runs" into Baghdad?
19. What is Armor Magazine? Where can you find it?

Tactical

20. What are the Troop Leading Procedures and which is the most important step?
21. What does the acronym REDCON mean? How many levels are there?
22. What does PCC and PCI stand for? Difference between the two?
23. What are the classes of Supply?
24. What is a decisive Point?
25. What are the 6 methods of rehearsals?

26. What is the difference between an Attack by Fire (ABF) and a Support by Fire (SBF)?
27. What are the eight forms of contact?
28. What are the five steps of actions on contact?
29. What is a contact drill?
30. What are the two types of Air defense measures?
31. What are the military aspects of terrain?
32. What are the mission variables?
33. What are the four elements of IPB?
34. What are the characteristics of the offense?
35. What are the five types of battle positions?
36. What does the acronym PTSEARS mean?
37. What is the difference between a tailgate resupply and service station resupply?
38. What is the difference between consolidation and reorganization?
39. What is a 9-Line?
40. What is the difference between a MEDEVAC and CASEVAC?
41. What is a CCP? An AXP?
42. What is a DD Form 1380?
43. What is MOPP 2? MOPP 3? MOPP 4?
44. What are the three types of decontamination?
45. What must you turn on inside the tank when hatches are closed and protective masks on?
46. What does RSOI stand for?

47. What is the BSA?
48. Draw and define the LRP graphic control measure.
49. Draw and define the CTCP graphic control measure.
50. Draw and define the UMCP graphic control measure.
51. Draw and define an enemy tank platoon graphic control measure.
52. Draw and define a Tank Company Team graphic control measure.
53. Draw and define the TAA graphic control measure.
54. What are the fundamentals of breaching?
55. What are the four effects obstacles create?
56. What does FASCAM stand for?
57. What does DPICM stand for?
58. What are the six elements that a standard call for fire is comprised of?
59. What are the two types of bounding and when would they be used?
60. What is the difference between movement and maneuver?
61. What is an FPF? When/why is it used?
62. What do Engagement, Disengagement, and Displacement criteria mean?
63. What are the movement techniques?
64. Why is answering PIR important?
65. What battle drills can you execute as a Tank Platoon?
66. Explain rollover and evac drills within the M1 series of tanks.
67. What are the three firing techniques?
68. What are the three firing patterns?
69. What are the two primary methods of controlling direct fire?

70. What are the elements of a fire command?
71. How and when do you utilize a platoon fire command?
72. How do you synchronize IDF and CAS/CCA assets?
73. How do you conduct link up procedures?
74. How do you conduct quartering party operations?
75. How do you conduct passage of lines?
76. What are the five types of Battalion/Squadron level command posts? What is their composition and role?
77. What is the difference between role 1 and 2 medical support?
78. What are the BAS, MAS, FAS?
79. How do you establish a Refuel on the Move? (ROM)
80. What are the A&L and O&I nets?

Technical and Maintenance

81. How many fuel tanks does the M1A2 have?
82. How much fuel can M1A2 hold?
83. What are the CL III (b) logistical requirements of a tank PLT for 72 hours?
84. How much horsepower does an Abrams Main Battle Tank have?
85. What is the Class V basic load for an M1A2 SEP V2?
86. What are Tank Services? Where should you be during your Platoon's services?
Where should your PSG be during your Platoon's services
87. How many times a year do you conduct Tank Services?

88. How long does a Tank Services take? Focuses of each week? How can you ensure you have all the resources needed to conduct services?
89. How many item numbers are checked within the Preventive Maintenance Check and Services (PMCS)-Before Operations?
90. How many item numbers are checked within the Preventive Maintenance Check and Services (PMCS)-During Operations?
91. How many item numbers are checked within the Preventive Maintenance Check and Services (PMCS)-After Operations?
92. How many item numbers are checked within the Preventive Maintenance Check and Services (PMCS)-Weekly Operations?
93. How many item numbers are checked within the Preventive Maintenance Check and Services (PMCS)-Monthly Operations?
94. How are maintenance faults verified?
95. What is FMC mean?
96. What does NMC mean?
97. How are faults documented on a 5988? How is NMC depicted on a 5988?
98. What's the difference between -10 level, -20 level and -30 level maintenance?
99. What company in the Brigade Support Battalion repairs weapons and optics?
100. What is DSETS? What equipment do they have? What is ELM?
101. How is the service brake different than the parking break?
102. What is a MWO?
103. What is "Shop Stock"?
104. What is PS Magazine?

105. How do you properly break and change track?
106. What does "walk track" mean? What is track tension?
107. What is borescoping? What is the borescope evacuator?
108. What type of oil is used for the Abrams Tank Turbine Engine?
109. What type of oil is used for the Abrams Tank transmission?
110. How do you tow a M1A2 SEP Tank with a tow bar?
111. What does BMO, BMT and BMS stand for?
112. What is the role of PLL Clerk?
113. What is a 5988E?
114. What is a DA 2404?
115. What does Priority Code 02 and 05 mean on a 5988E?
116. What does Status code BA mean on an ESR? BB mean?
117. What are "Repairables" and why are they significant?
118. What is a "gun card"?
119. What does LFAST stand for?
120. What does GST stand for?
121. What are AACs?
122. What is a snake board?
123. What is a Sabot round used for?
124. What is a MPAT round used for?
125. What is the nomenclature of a .50 Cal BMG?
126. What range do you boresight a M1A2 SEP?
127. What is Tank Table III?

128. What is Tank Table VI?
129. How do you conduct a MRS update on the M1A2 SEP? How often should you conduct a MRS update? Why?
130. What is "Gun Tube Droop"?
131. How do you properly use the stadia reticle?
132. What does flashing zeros mean?
133. What does the "Battlecarry" mean?
134. What is the manual firing device called in the Gunner's Station?
135. What are the misfire procedures in a M1A2 SEP tank?
136. What is a "flareback"?
137. What does the acronym DIDEA stand for?
138. What do the gunnery flags colors mean when mounted on a tank?
139. What is "TAC IDLE"?
140. What is the role of the Beachmaster on the gunnery range?
141. How is the 50 Caliber announced in a fire command?
142. At the minimum, how many Soldiers are required to load main gun rounds from the ground?
143. What is the difference between a M1A1 and M1A2 Sep?
144. What must be said in fire command when there is a change of weapon system/or ammunition?
145. What uniform are you to be in while firing a tank?
146. What does "Zed Out" mean?
147. What is a tank platoon composition of radio sets?

148. What is the action/term in a fire command when the Tank Commander slews the turret to a target for the gunner?
149. Is it always required to report a BDA after an engagement during gunnery?
150. As a tank commander, if you lose communication with your driver during movement, what are your action (s)?
151. How do you zero the 7.62 Coax machine gun?
152. What is plumb and sync? How often should it be conducted?
153. How many VPACs are in a tank? What's their purpose?
154. How many Pulse Jets in a tank? What's their purpose?
155. What are turret screens? How often should you ensure they are fully mission capable?
156. How many guards are in a tank? How often should you ensure they are fully mission capable?
157. What are prep to fire checks? Where can you find them? How often should you conduct them?

Equipment Data

158. What is the definition of Maximum Effective Range (MER)?
159. What is the MER M256 round?
160. What is the MER of the 120mm mortar round?
161. How many meters is danger close for the 120mm mortar system?
162. What is the MER of the AT-4?

163. What is the MER of the TOW missile?
164. What Is tracer burn out for 7.62mm
165. What is the maximum effective range of the M2?
166. What is the max effective range of the MK-19 on an area target?
167. What is a M1064?
168. What is a M88A2?
169. What is a M1068?
170. What is a PLS?
171. What is M978 and many gallons can it carry?
172. What is a MICLIC?
173. What is an ACE?
174. What is an AVLB?

Vehicle ID

Identify the following vehicles, primary weapon systems, and corresponding max effective range for question







Property/Administrative

175. What is an MTOE and where can you find it?
176. What are the steps within the 8 Step Training Model?
177. What are the four guiding principles to training?
178. How do you fill out a DD Form 2977? Who is the approval authority for Low, Medium, and High Risk? What is a risk mitigation?
179. What is a DA Form 2823?
180. How do you format a Memorandum For Record?
181. What factors influence the determination of financial liability for lost or damaged equipment?
182. What does GCSS stand for?
183. What is DA Form 3161?
184. How often is an SI Inventory conducted? What items are considered SI?
185. What is a LIN?
186. What percentage of property book makes up a cyclic inventory? How often is a cyclic inventory conducted?
187. Why must you sub-hand receipt items on your hand receipt from the Company Commander?
188. What is a FLIPL?
189. What is DA Form 67-9-1?
190. How is a property shortage validated?
191. What is the difference between Durable, Expendable and Non Expendable property items?

192. What types of responsibility can a person in regards to government property and what type does a Platoon Leader have?
193. How often should property loss/field loss memorandums be submitted to the commander? How are they validated?
194. How do you plan a M4 range?
195. How often should you conduct counseling?
196. What does BII stand for and where can you find its components?
197. What is a shortage annex? What is a BOM?
198. How do you get BII replacements?
199. What does COEI stand for and what are they on the M1A2 SEP?
200. What does AAL stand for and what are they on the M1A2 SEP?
201. What is Upper TI?
202. What gives an Army Officer the Authority to Administer Oaths, Specifically on a DA Form 2823, Sworn Statement?
203. What are the responsibilities of a Unit Movement Officer?
204. How often are Officer and Non-Commissioned Officer Evaluation reports due?
What other reason are there for completing an evaluation report?
205. How often should you conduct a counseling with you Platoon Sergeant, Section Sergeants, or Soldiers?
206. What are different reasons for Military Awards? How are they written and submitted?
207. What is risk management?

208. What is readiness? What is MEDPROs? What is SGLV? What is a DD 93?

209. What is retention? What is a bar to re-enlistment?

210. What authority is required to hold an NCO promotion board up to SSG (E-6)?