| Attrition Table |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Die | Total Strength Points in Hex |  |  |  |  |
| Roll | 3-5 | 6-10 | 11-15 | 16-20 | 21+ |
| 1 | 0 | 0 | 0 | 1 | 1 |
| 2 | 0 | 0 | 1 | 1 | 2* |
| 3 | 0 | 1 | 1 | 2* | 3* |
| 4 | 0 | 1 | 2* | 2* | 3* |
| 5 | 0 | 2* | 2* | 3* | 4* |
| 6 | 1 | 2* | 3* | 3* | 5* |

## Modifiers

1 Only Major State units | -1 All units in Home Country +1 Unsupplied | +1 Winter turn | + 1 In swamp hex

Force March Table

| Die <br> Roll | Extra Movement <br> Points Required |  |  |
| :---: | :---: | :---: | :---: |
| $\mathbf{1}$ | 1 | $\mathbf{2}$ | $\mathbf{3}$ |
| $\mathbf{2}$ | 1 | 2 | 3 |
| $\mathbf{3}$ | 1 | 2 | 3 |
| $\mathbf{4}$ | 1 | $1^{*}$ | $2^{*}$ |
| $\mathbf{5}$ | 1 | 0 | 0 |
| $\mathbf{6}$ | 0 | 0 | 0 |
| 0 | No extra MP | \# = Extra MP |  |

* = One SP eliminated

Modifiers: -1 All Guards |-1 All Major State
+1 Unsupplied units | +1 Winter turn +1 Any swamp hexes

Combat Results Table
$\begin{array}{llllllllllllllllllllllllll}\text { Force } & \mathbf{L} & \mathbf{S} & \mathbf{L} & \mathbf{S} & \mathbf{L} & \mathbf{S} & \mathbf{L} & \mathbf{S} & \mathbf{L} & \mathbf{S} & \mathbf{L} & \mathbf{S} & \mathbf{L} & \mathbf{S} & \mathbf{L} & \mathbf{S} & \mathbf{L} & \mathbf{S} & \mathbf{L} & \mathbf{S} & \mathbf{L} & \mathbf{S}\end{array}$ $\begin{array}{llllllllllllllllllllllllll}\text { Result } & \text { D3 } & 1 & \text { D2 } & 1 & \text { D1 } & 1 & 1 & 0 & 1 & 1 & 1 & 1 & 1 & 1 & 0 & 1 & 1 & \text { D1 } & 1 & \text { D2 } & 1 & \text { D3 }\end{array}$ Odds Ratio

## Modified Dice Roll

| 1 to 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 3 to 2 | - | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | $11+$ |
| 2 to 1 | - | - | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | $10+$ |
| 3 to 1 | - | - |  | 2 | 3 | 4 | 5 | 6 | 7 | 8 | $9+$ |

Modifiers: Leaders, Morale difference, Terrain, Tactical matrix
Morale values: Guards = $3 \mid$ Major State Infantry/Cavalry $=2 \mid$ Minor state Infantry $/$ Cavalry $=1$
Explanation of Results: L = Larger Force | S = Smaller Force
$0=$ No Loss $\mid 1=$ Consult Combat Loss Chart (CLC) $\mid$ D1 = Consult CLC, reduce morale by one D2 = Consult CLC, reduce morale by two | D3 = Consult CLC, reduce morale by three
The Larger Force player rolls the dice. Dice can never be modified by more than four.
A modified roll less than $2=2$. A modified roll greater than $12=12$.
Combat Loss Chart
Total SP in smaller force

| Result | $\mathbf{1}$ | $\mathbf{2}$ | $\mathbf{3}$ | $\mathbf{4}$ | $\mathbf{5}$ | $\mathbf{6}$ | $\mathbf{7}$ | $\mathbf{8}$ | $\mathbf{9}$ | $\mathbf{1 0}$ | $\mathbf{1 1}$ | $\mathbf{1 2}$ | $\mathbf{1 3}$ | $\mathbf{1 4}$ | $\mathbf{1 5}$ | $\mathbf{1 6}$ | $\mathbf{1 7}$ | $\mathbf{1 8}$ | $\mathbf{1 9}$ | $\mathbf{2 0}$ | $\mathbf{2 1 +}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $\mathbf{1}$ | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 3 |
| $\mathbf{D} 1$ | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 6 |
| D2 or D3 | 1 | 1 | 1 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 9 |

Tactical Matrix for Field Battles
Larger Force

|  | Larger Force |  |  |  |  |  |  |
| ---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Smaller Force | Charge | Envelop | Skirmish Bombard | Square | Refuse | Withdraw |  |
| Charge | 0 | +1 | -2 | +1 | +2 | 0 | $(-2)$ |
| Envelop | -1 | 0 | -1 | -1 | +1 | +2 | $(-1)$ |
| Skirmish | +2 | +1 | 0 | -1 | -1 | -1 | $(0)$ |
| Bombard | -1 | +1 | +1 | 0 | -2 | -1 | $(\mathrm{NC})$ |
| Square | -2 | -1 | +1 | +2 | NC | NC | $(\mathrm{NC})$ |
| Refuse | 0 | -2 | +1 | +1 | NC | NC | $(\mathrm{NC})$ |
| Withdraw | $(+2)$ | $(+1)$ | $(0)$ | $(\mathrm{NC})$ | $\mathrm{NC})$ | $(\mathrm{NC})$ | $(\mathrm{NC})$ |

Naval Tables
Naval Transport Capacity
NSP: unlimited Leaders
T: unlimited leaders plus
2 Infantry,
or 1 Cavalry,
or 5 Supply points,
or 1 Infantry plus 3 supply points

| Naval Tables |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Die Roll |  |  |  |  |  |  |  |  |
| Odds | $\mathbf{- 1}$ | $\mathbf{0}$ | $\mathbf{1}$ | $\mathbf{2}$ | $\mathbf{3}$ | $\mathbf{4}$ | $\mathbf{5}$ | $\mathbf{6}$ | $\mathbf{7}$ | $\mathbf{8}$ |
| $\mathbf{1 - 1}$ | 2LS | LC | LS | LR | LR | SR | SR | SS | SC | 2SS |
| $\mathbf{3 - 2}$ | 2LC | LS | LR | LR | SR | SR | SS | SS | SC | 2SC |
| $\mathbf{2 - 1}$ | LS | LR | LR | SR | SR | SS | SS | SC | SC | 2SC |
|  | Blockade Table | F* | F | F | F | F | E |  |  |  |
|  | Pursuit Table | F | F | F | F | I | I |  |  |  |
|  | Transport Table | C | C | S | S | E | E |  |  |  |
|  | Storm/Ice | S | D | D | E | E | E |  |  |  |


| Naval Movement |  |
| ---: | ---: |
| Movement Points | 4 |
| Coastal Hex | 2 |
| Sea Zone | 1 |
| Port | 1 |

[^0]
## MusketDiplomacy



Capital Range Table

| Range is in hexes |  | Major States |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | $\begin{array}{\|c\|} \hline \text { Blue } \\ \hline 16 \\ \hline \end{array}$ | Gray | Green | Red | WhiteYellow |  |
|  | a |  | 23 | 17 | 9 | 26 | 10 |
|  | b | 22 | 14 | 40 | 33 | 11 | 16 |
|  | c | 12 | 23 | 17 | 13 | 22 | 9 |
|  | d | 13 | 18 | 28 | 23 | 14 | 8 |
|  | e | 12 | 19 | 28 | 28 | 9 | 13 |
|  | f | 8 | 26 | 26 | 28 | 10 | 18 |
|  | 8 | 19 | 12 | 34 | 24 | 17 | 7 |
|  | Blue | - | 31 | 18 | 25 | 18 | 17 |
|  | Gray | 31 | - | 40 | 32 | 25 | 14 |
|  | Green | 18 | 40 | - | 19 | 36 | 26 |
|  | Red | 25 | 32 | 19 | - | 33 | 17 |
|  | White | 18 | 25 | 36 | 33 | - | 22 |
|  | Yellow | 17 | 14 | 26 | 17 | 22 |  |




## Force Pool

Each January; add newleader die roll:rate
5,0: 2
3, 4: 1
1, 2: 0
Prisoners

## Prodution Cost <br> 3 ~ Guard cavalry <br> 2 ~ Guard infantry <br> $2 \sim$ Regular cavalry <br> 1~Resularinfantry 5*~NSP/Transport * regular and/or naval production points.

Initial Force Pool Die Table

| $\begin{aligned} & \text { Roll } \text { Force Pool } \\ & 120 i 5 c 28 \end{aligned}$ |  |
| :---: | :---: |
|  |  |
| 2 | 18i $4 \mathrm{c} 2_{8}$ |
| 3 | 15i $4 \mathrm{c} 2_{8}$ |
| 4 | 15i 3c 288 |
| 5 | 15i 3c18 |
| 6 | $10 \mathrm{i} 3 \mathrm{c} 1_{8}$ |

## Force Pool

Each January; add newleader die roll:rate
5,6: 2
3, 4: 1
1, 2:0
Prisoners

## Prodution Cost <br> 3 ~ Guard cavalry <br> 2~ Guard infantry <br> $2 \sim$ Regular cavalry <br> 1~Resular infantry 5*~NSP/Transport * regular and/or naval production points.

Initial Force Pool Die Table

| Force Pool |  |
| :---: | :---: |
| 1 | 20i 5c 28 |
| 2 | $18 \mathrm{i} 4 \mathrm{c} 2_{8}$ |
| 3 | 15i $4 \mathrm{c} 2_{8}^{8}$ |
| 4 | $15 \mathrm{i} 3_{c} 2_{8}$ |
| 5 | 15i 3c18 |
| 6 | 10 i 3 c 18 |





[^0]:    -1 to die roll if pursuing units are in a coastal hex/port.
    L=Larger Force $\mid \mathrm{S}=$ Smaller Force $\mid \mathrm{R}=$ Retreat: opposing force may pursue
    $\mathrm{S}=1$ NSP sunk: opposing force may pursue \| $\mathrm{C}=1$ NSP captured: opposing force may pursue
    $\mathrm{F}^{*}=$ Fail: Blockading force may attack $\mid \mathrm{F}=$ Fail: Blockaded force must attack or retreat
    $\mathrm{D}=$ Damaged $\mid \mathrm{E}=$ Escape | $\mathrm{I}=$ Intercept: Pursuing or blockading force may attack Major State Naval units have a morale of 2, minor state's morale is 1

