USMC Infantry Weapons Requirements Brief

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Up Front Thoughts

• **Funding will continue to be constrained**
  – Limits ability to implement new systems / upgrades
  – Current weapons in inventory through 2030

• **Structure will decrease**
  – Provides some flexibility to redistribute best capabilities across the force
  – Fight to retain excess assets for sustainment and future structure growth

• **Next generation of small arms and optics**
  – Now is the time to shape the requirements for the next generation of small arms and optics via the Joint community
Weapons Strategy

• **Maintain current capabilities**
  – Implement improvements (accuracy, lethality, ergonomics and weight reduction) when technology and funding will allow to keep small arms relevant

• **Improvements will be implemented on a much smaller scale, starting with the infantry and expanding to other combat arms when feasible**

• **Future weapons will be pursued via Joint efforts whenever possible**
  – Fiscal constraints limit new initiatives until the 20’s
Weapons Strategy

• Next generation of small arms
  – Small Arms Ammunition Configuration Study
    o The Marine Corps is an active participant in the study by Army invitation
    o SAAC is being conducted by the Army to provide courses of action for
      ammo configurations that will meet our small arms gaps in conjunction with
      the next generation of squad weapons.
  – USMC participating in US Army requirements development:
    o CDD for the Next Generation Automatic Rifle is currently in draft and
      entering Army Staffing
    o CDD for Next Generation Fire Control is being drafted
    o CDDs for the Next Generation Individual Carbine and Designated
      Marksman Weapon are planned
Infantry Weapons Capability Road Map

- **M9 Beretta**: Initial Operating Capability in 2021
- **Colt M45A1**: Initial Operating Capability in 2019
- **M4A1 Close Quarters Battle Weapon**: Initial Operating Capability in 2021
- **M4 Carbine**: Initial Operating Capability in 2021
- **M16A4 Rifle**: Initial Operating Capability in 2021
- **M203A2 Grenade Launcher**: Initial Operating Capability in 2021
- **M27 Infantry Automatic Rifle**: Initial Operating Capability in 2021
- **M110 Semi Automatic Sniper System**: Initial Operating Capability in 2021
- **M40A5 Sniper Rifle**: Initial Operating Capability in 2021
- **M40A5 PIP (801)**: Initial Operating Capability in 2021
- **M40A6 (826)**: Initial Operating Capability in 2021
- **M107 Special Application Scoped Rifle**: Initial Operating Capability in 2021

- **Modular Handgun System (28,906)**: Initial Operating Capability in 2021
- **Nex Gen Squad Weapons**: Initial Operating Capability in 2021

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### Infantry Weapons Capability Road Map

<table>
<thead>
<tr>
<th>Model</th>
<th>Quantity</th>
<th>Approval Year</th>
</tr>
</thead>
<tbody>
<tr>
<td>M249 LMG</td>
<td>6,577</td>
<td>2025</td>
</tr>
<tr>
<td>M240B MMG</td>
<td>8,517</td>
<td>2025</td>
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<tr>
<td>M122A1 Tripod</td>
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<tr>
<td>Light Weight LMG/MMG Tripod</td>
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<td>2027</td>
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<tr>
<td>M2 HMG</td>
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<tr>
<td>M2A1 QCB HMG</td>
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<tr>
<td>MK19 GMG</td>
<td>2,933</td>
<td>2023</td>
</tr>
<tr>
<td>M3 Tripod</td>
<td>6,010</td>
<td>2025</td>
</tr>
<tr>
<td>Light Weight HMG/GMG Tripod</td>
<td>5,740</td>
<td>2029</td>
</tr>
</tbody>
</table>

- ▼ = Initial Operating Capability
- ▲ = Full Operational Capability
- ▶ = Item Exit Date

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Future Requirements

• Next Generation of Squad Weapons (mid to late 20’s)
  – Automatic Rifle, Individual (Carbine), Designated Marksman
  – Joint requirements development ongoing (Army lead)
  – Government S&T efforts currently working to mature enabling capabilities (see below)
  – Holistic approach to integrating technological and material advancements for small arms to improve accuracy and increase lethality out to 600m (based on Small Arms CBA)
    o Optics, fire control, power, and enablers integrated into a single system
    o Optimized ammunition configuration
    o Recoil management
    o Neutral/improved effects on mobility (reduced weight and size) as measured by the Load Effects Assessment Program (LEAP)
    o Signature suppression (audible and visible)
    o Data exchange (tagging, IFF, fire direction, fire control)
    o Shot counter
US Army led Modular Handgun System Program is a competitive acquisition process seeking a modular Commercial-Off-The-Shelf (COTS)/Non-Developmental Item (NDI) solution. **Objective**: To provide the Warfighter a best value Modular Handgun System that features increased accuracy, improved ergonomics, and a higher degree of reliability/durability over legacy systems.

USMC is participating in MHS Source Selection to inform a follow-on life cycle decision to replace our current service pistols in the early 2020’s.
QUESTIONS?