**Foreign Military Sales (FMS) Checklist**

**Preparing a Letter of Request (LOR)**

**for the**

**AN/MPQ-64 Sentinel Radar**

**Dated 4 April 2025**



Contact the International Program Division, PEO Missiles and Space

for assistance in completing this checklist.

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| This AN/MPQ-64 Sentinel Radar FMS Checklist will be used to capture requirements and develop an actionable Letter Of Request (LOR). By itself, it should not be changed without review and agreement by all stakeholders before a Letter of Offer and Acceptance (LOA) is signed. |

Please ensure no classified information is included with the completed checklists. Classified information should be provided to your Country Program Manager through appropriate channels.

Receipt of this checklist by the US Government does not constitute an agreement to sell. Final configuration and offer of sale is subject to USG Approval.

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| **1** | **Partner and LOA General Information** |
| 1a | Purchasing Country: |  |
| 1b | Primary Country Contact’s Name: |  |
| 1c | Primary Country Contact’s Position: |  |
| 1d | Primary Country Contact’s Title/Rank/Grade: |  |
| 1e | Primary Country Contact’s Tel: |  |
| 1f | Primary Country Contact’s Email:  |  |
| 1g | Primary Country Contact’s Mailing Address:  |  |
| 1h | USASAC Country Program Manager (CPM) for LOA: |  |
| 1i | Case Designator (if established): |  |
| 1j | CPM Primary Contact’s Name: |  |
| 1k | CPM Primary Contact’s Position: |  |
| 1l | CPM Primary Contact’s Title/Rank/Grade: |  |
| 1m | CPM Primary Contact’s Tel: |  |
| 1n | CPM Primary Contact’s Email:  |  |
| 1o | CPM Primary Contact’s Mailing Address:  |  |
| 1p | SAMD International Program Manager (IPM) for LOA: |  |
| 1q | IPM Primary Contact’s Name: |  |
| 1r | IPM Primary Contact’s Position: |  |
| 1s | IPM Primary Contact’s Title/Rank/Grade: |  |
| 1t | IPM Primary Contact’s Tel: |  |
| 1u | IPM Primary Contact’s Email:  |  |
| 1v | IPM Primary Contact’s Mailing Address:  |  |

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| **2** | **Basis of request** | **Yes/No** |
| 2a | Type of Request:  |  |
| 1. Request for Information (RFI)
 |  |
| 1. LOR for Price and Availability (P&A)
 |  |
| 1. LOR for Letter of Offer & Acceptance (LOA)
 |  |
| 2b | Is this a request for new Sentinel? |  |
| 2c | Is this a request for additional Sentinels? |  |
| 2d | Is this a request to modernize (upgrade) units? |  |

| **3** | **LOR General and/or Special Considerations** | **Y/N** |
| --- | --- | --- |
| 3a | Does LOR address a request for a Waiver of Nonrecurring Cost (NC) ChargesIf yes, provide justification: |  |
| 3b | Will this procurement be a directed source procurement? If yes, specify:1. Manufacturer:
2. Applicable Part Number(s):

Enclose Sole Source Request to U.S. Army Security Assistance Command |  |
| 3c | Will a special payment schedule and initial deposit be needed? |  |
| 3d | Are offsets a part of this program? |  |
| 3e | Will this case be funded through national funds? |  |
| 3f | Does the FMS partner have a not to exceed budget? |  |
| 3g | Does the FMS partner have a delivery timeline requirement? |  |

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| **4** | **Requested Schedule/Delivery/Transport** |
| 4a | Desired First Unit Equipped By: | Date: |
| 4b | Are there any special transportation requirements requested? If yes, list here: |
| 4c | Do you have a Freight Forwarder? If so, state: |
| 4d | Do you have a Freight Forwarder that is authorized to ship classified materials? If so, state: |
| 4e | Do your Freight Forwarder have all required Import/Export licenses? |
| 4f | Is your Freight Forwarder registered with the US Department of State? |
| 4g | Are there any other transportation considerations that need to be addressed? If so, state:1. Point of Contact at location (Ship to/Mark for):
2. Location:
3. Mode of transport (air, sea, land) instructions
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| **5** | **Hardware Requirements** |
| --- | --- |
| 5a | Identify your Concept of Operations (CONOPS) |
| 5b | Threats |
| 5c | Operational Tempo |
| 5d | Interoperability Requirements: |
| **5.1** | **Major End Items (MEI)** | **Y/N** | **QTY** |
| 5.1a | Sentinel Radar System * System Description: The AN/MPQ-64 Sentinel A3 and A4 provide 360-degree air surveillance and acquisition tracking, day or night, in adverse weather conditions, and in battlefield environments of dust, smoke, aerosols, and enemy countermeasures. The system’s anti-radiation missile and electronic countermeasures resistant performance supports air defense operations across the full spectrum of conflict. Current Sentinel modernization efforts include a signal data processor update and an obsolescence replacement for the North Finding system. The Sentinel A4 addresses obsolescence issues in A3 and upgrades IFF with Mode S compliance, the array with Active Electronically Scanned Array (AESA) technology, and an adjunct sensor.
* Contains: Radar mounted on trailer; Radar Tow Vehicle with Radar Power System.
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| 5.1b | Maintenance Support Shelter (MSS)Contains:1. MSS (pallet-mounted shelter w/air conditioning & comm equipment)
2. MSS Transport Vehicle (Prime Mover/Transport Vehicle with hook-lift)
3. MSS Power System with vehicle (Includes VHF Radio)
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| **6** | **Procurement and Integration Requirements** | **Y/N** | **QTY** |
| 6.1 | Are there any unique integration/communications requirements? If yes, state below: |  |  |
| 6.2 | Any unique communication capabilities being requested? If yes, state below: |  |  |
| 6.2a | Encryption or Coalition interoperability requirements? If yes, state below: |  |  |
| 6.2b | Voice Radios & Data Radios? If yes, state below: |  |  |
| 6.2c | Defense Advanced GPS Receiver (DAGR) |  |  |
| 6.2d | Country Unique Requirements? If yes, state below: |  |  |
| 6.2e | Electronic encryption IPS-250X |  |  |
| 6.2f | Crypto key fill devices (Simple key Loader) AN/PYQ-10A(1 per Radar + 1 spare = 2 minimum per Radar system) |  |  |
| 6.2g | Crypto Key Fill device accessories (Cables, pins, adapters, etc.) |  |  |
| 6.2h | Crypto-applique KIV-77(1 per Radar + 1 spare = 2 minimum per Radar system) |  |  |
| 6.2i | TPX-61 (1 per Radar) |  |  |
| 6.2j | North Finding System (1 per Radar) |  |  |
| 6.3 | Do you require special tools to support the hardware? |  |  |
| 6.4 | Do you require test and diagnostic equipment? |  |  |
| 6.5 | Do you have facilities to securely store classified and unclassified hardware, software, and when not in use? |  |  |
| 6.6 | Do you require Integrated Logistics Support (ILS) Tools? |  |  |
| 6.7 | Will you require a spares package? |  |  |
| 1. Specify duration (years) of spares.
 |  |  |
| 1. Specify operational tempo for hardware.
 |  |  |
| 1. System Integration and Checkout (SICO) Spares
 |  |  |
| 6.8 | System Mobility | Y/N |
| 6.8a | Is the system operating from a fixed site with no mobility requirements? |  |
| 6.8b | Requesting integration onto indigenous vehicles and trailers? |  |

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| **7** | **Logistics Support Requirements** | **Y/N** | **Qty** |
| 7a | Do you require contractor Field Service Representative (FSR)? |  |  |
| 7b | Initial and recurring support identified? (Example: Contractor TA support, calibration lab support, Depot support) |  |  |
| 7c | Do you require basic hand tools? |  |  |
| 7d | Is there a requirement for any non-standard equipment? |  |  |
| **7.1** | **Maintenance Strategies** |
| 7.1a | What is the maintenance concept? |
| 7.1b | Operator Level |  | Intermediate Level |  | Depot Level |  |
| 7.1c | What are the initial support requirements? |
| 7.1d | 1-2 Years |  | 1-5 Years |  | Other (min 2 years) |  |
| 7.1e | Are you requesting Repair & Return services? (Y/N) |  | How many years Location(s)? |  |

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| **8** | **Technical Manuals / Publications** | **Y/N** | **QTY** |
| 8.1 | US Technical Manual |  |  |
| 8.2 | Country Unique Publications |  |  |
| 8.3 | Ruggedized Laptops for Technical Manuals (TMs) & Interactive Electronic Technical Manuals (IETMs) |  |  |

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| **9** | **Training Requirements** | **Y/N** | **Qty** |
| 9a | Does the LOR contain training requirements? |  |  |
| 9b | What training is desired associated with the case? |  |  |
| 1. Operator Training (CONUS/OCONUS) / Level?
 |  |  |
| 1. Maintainer Training (CONUS/OCONUS) / Level?
 |  |  |
| 1. New Equipment Training (NET) / Level?
 |  |  |
| 1. Refresher /or/ Train the Trainer/ Level?
 |  |  |
| 9c | Do you require basic trade skills training? |  |  |
| 9d | Will there be a recurring training/certification? |  |  |
| 1. Requires development of courseware?
 |  |  |
| 9e | Are training aides/devices/simulators needed to assist with training? |  |  |
| 9f | Does the LOR address mission planning |  |  |
| 9g | Required Familiarization Training of Host Country Operators |  |  |
| 9h | Training Assistance Field Team Training |  |  |

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| **10** | **Services** | **Y/N** | **Yrs.** |
| 10a | Technical Assistance – USG |  |  |
| 10b | Contractor Technical Assistance – Prime |  |  |
| 10c | Cybersecurity Technical Assistance |  |  |
| **10.1** | **Fair Share Programs** | **Y/N** | **Yrs.** |
| 10.1a | International Engineering Services Program (IESP) (minimum 3 year)  |  |  |
| 10.1b | IESP Country Unique Requirements  |  |  |

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| **11** | **Facility Construction Requirements** | **Y/N** | **Qty** |
| 11a | Are construction requirements needed? If yes, please complete below. |  |  |
| 11b | Tactical Sites |  |  |
| 11c | Maintenance / Repair / Depots |  |  |
| 11d | Command and Control Headquarters |  |  |
| 11e | Training Facilities |  |  |
| 11f | Country unique |  |  |
| 11g | Requested dates for a Site Survey: |
| 11h | Site Survey Locations: |

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| **12** | **Software Requirements**  | **Y/N** | **Qty** |
| 12a | Anti-Tamper (AT) |  |  |
| 12b | Non-Cooperative Target Recognition (NCTR) |  |  |