

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2020 Navy **Date:** March 2019

Appropriation / Budget Activity / Budget Sub Activity:
1109N: Procurement, Marine Corps / BA 03: Guided missiles and equipment / BSA
1: Guided Missiles

P-1 Line Item Number / Title:
3025 / Guided MLRS Rocket (GMLRS)

ID Code (A=Service Ready, B=Not Service Ready): A **Program Elements for Code B Items:** N/A **Other Related Program Elements:** N/A

Line Item MDAP/MAIS Code: N/A

| Resource Summary | Prior Years | FY 2018 | FY 2019 | FY 2020 Base | FY 2020 OCO | FY 2020 Total | FY 2021 | FY 2022 | FY 2023 | FY 2024 | To Complete | Total |
|---|--------------|--------------|--------------|---------------|---------------|---------------|----------------|---------------|----------------|----------------|-------------|----------------|
| Procurement Quantity (<i>Units in Each</i>) | - | - | - | 210 | 130 | 340 | 735 | 431 | 743 | 755 | - | 3,004 |
| Gross/Weapon System Cost (<i>\$ in Millions</i>) | 0.000 | 0.000 | 0.000 | 29.062 | 16.919 | 45.981 | 110.307 | 67.428 | 114.206 | 116.289 | - | 454.211 |
| Less PY Advance Procurement (<i>\$ in Millions</i>) | - | - | - | - | - | - | - | - | - | - | - | - |
| Net Procurement (P-1) (<i>\$ in Millions</i>) | 0.000 | 0.000 | 0.000 | 29.062 | 16.919 | 45.981 | 110.307 | 67.428 | 114.206 | 116.289 | - | 454.211 |
| Plus CY Advance Procurement (<i>\$ in Millions</i>) | - | - | - | - | - | - | - | - | - | - | - | - |
| Total Obligation Authority (<i>\$ in Millions</i>) | 0.000 | 0.000 | 0.000 | 29.062 | 16.919 | 45.981 | 110.307 | 67.428 | 114.206 | 116.289 | - | 454.211 |

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

| | | | | | | | | | | | | |
|--|---|---|---|------------|------------|------------|------------|------------|------------|------------|---|------------|
| Initial Spares (<i>\$ in Millions</i>) | - | - | - | - | - | - | - | - | - | - | - | - |
| Flyaway Unit Cost (<i>\$ in Dollars</i>) | - | - | - | 135,547.62 | 130,146.15 | 133,482.35 | 126,221.77 | 154,976.80 | 152,831.76 | 153,135.10 | - | 144,514.98 |
| Gross/Weapon System Unit Cost (<i>\$ in Dollars</i>) | - | - | - | 138,390.48 | 130,146.15 | 135,238.24 | 150,077.55 | 156,445.48 | 153,709.29 | 154,025.17 | - | 151,202.06 |

Description:

Guided Multiple Launch Rocket System (GMLRS) rockets are surface-to-surface artillery rockets fired from the High Mobility Artillery Rocket System (HIMARS) launchers. GMLRS rockets provide 24/7, all-weather precision fires to engage both area and point targets at short, medium, and long ranges. In order to align with the National Defense Strategy and continuously deliver performance with affordability and speed, the Marine Corps procures its GMLRS rockets in concert with Army via the Precision Fires Rocket and Missile project office. The GMLRS program is critical to sustaining a Joint Force military advantage and maintaining a favorable regional balance of power in the theaters in which HIMARS deploys.

There are three variants of the GMLRS; Unitary (U); Alternative Warhead (AW); and Dual Purpose Improved Conventional Munition (DPICM) which production was terminated in response to the June 2008 Department of Defense (DoD) Cluster Munitions Policy. The GMLRS-U utilizes a 200-pound high explosive warhead to engage point targets with limited collateral damage. GMLRS AW was developed as a non-cluster munition replacement for DPICM that is used to engage area and imprecisely located targets. The GMLRS AW rocket is 90% common with the Unitary variant. Both GMLRS-U and AW are currently in full rate production.

| Secondary Distribution | | FY 2018 | FY 2019 | FY 2020 Base | FY 2020 OCO | FY 2020 Total | FY 2021 | FY 2022 | FY 2023 | FY 2024 |
|--------------------------------------|-----------------------------------|----------|----------|---------------|---------------|---------------|----------------|---------------|----------------|----------------|
| Navy | Quantity | - | - | 186 | 130 | 316 | 714 | 410 | 721 | 733 |
| | Total Obligation Authority | - | - | 25.934 | 16.919 | 42.853 | 107.113 | 64.190 | 110.880 | 112.896 |
| NR | Quantity | - | - | 24 | - | 24 | 21 | 21 | 22 | 22 |
| | Total Obligation Authority | - | - | 3.128 | - | 3.128 | 3.194 | 3.238 | 3.326 | 3.393 |
| Total: Secondary Distribution | Quantity | - | - | - | - | - | - | - | - | - |
| | Total Obligation Authority | - | - | 29.062 | 16.919 | 45.981 | 110.307 | 67.428 | 114.206 | 116.289 |

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2020 Navy **Date:** March 2019

Appropriation / Budget Activity / Budget Sub Activity:
1109N: Procurement, Marine Corps / BA 03: Guided missiles and equipment / BSA
1: Guided Missiles

P-1 Line Item Number / Title:
3025 / Guided MLRS Rocket (GMLRS)

ID Code (A=Service Ready, B=Not Service Ready): A **Program Elements for Code B Items:** N/A **Other Related Program Elements:** N/A

Line Item MDAP/MAIS Code: N/A

| Exhibits Schedule | | | | | Prior Years | FY 2018 | FY 2019 | FY 2020 Base | FY 2020 OCO | FY 2020 Total |
|-------------------|---------------------------------------|-------------|-------|----------------|---------------------------------------|---------------------------------------|---------------------------------------|---------------------------------------|---------------------------------------|---------------------------------------|
| Exhibit Type | Title* | Subexhibits | ID CD | MDAP/MAIS Code | Quantity / Total Cost (Each) / (\$ M) | Quantity / Total Cost (Each) / (\$ M) | Quantity / Total Cost (Each) / (\$ M) | Quantity / Total Cost (Each) / (\$ M) | Quantity / Total Cost (Each) / (\$ M) | Quantity / Total Cost (Each) / (\$ M) |
| P-5 | 1 / Guided MLRS Rocket (GMLRS) | P-5a, P-21 | | | - / 0.000 | - / 0.000 | - / 0.000 | 210 / 29.062 | 130 / 16.919 | 340 / 45.981 |
| P-40 | Total Gross/Weapon System Cost | | | | - / 0.000 | - / 0.000 | - / 0.000 | 210 / 29.062 | 130 / 16.919 | 340 / 45.981 |

*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications.

Note: Totals in this Exhibit P-40 set may not be exact or sum exactly due to rounding.

Justification:
Prior to FY 2020 Guided Multiple Launch Rocket System (GMLRS) was budgeted out of the Artillery Weapons System (HIMARS) line item. (LI:2212)

This is not a new start.

FY 2020 Baseline Appropriation Request: \$29.062M (\$25.934M Active; Reserves \$3.128M)

FY 2020 baseline funding will support the procurement of GMLRS Alternative Warhead (AW) for active and reserve components. The USMC is accounting for GMLRS base missile costs and ancillary support items separately to better match the Army's budget structure. Ancillary support items include; warheads, production verification testing, transportation, production engineering support, ECPs, and government management.

Tactical GMLRS Hardware unit costs are dependent on total quantities negotiated by the Army Contracting Command-Redstone with Lockheed Martin and procured by the Army, Marine Corps and Foreign Military Sales (FMS) organizations for contract award. The Marine Corps Tactical GMLRS Hardware unit cost does not include GMLRS Training Devices.

OCO:
FY 2020 OCO Appropriation Request: \$16.919M

Funds will support the replenishment of GMLRS munitions expended in efforts involving contingency operations, Operation Freedom's Sentinel-Afghanistan (OFS-A).

UNCLASSIFIED

| | | |
|---|---|---|
| Exhibit P-5, Cost Analysis: PB 2020 Navy | | Date: March 2019 |
| Appropriation / Budget Activity / Budget Sub Activity: 1109N / 03 / 1 | P-1 Line Item Number / Title: 3025 / Guided MLRS Rocket (GMLRS) | Item Number / Title [DODIC]: 1 / Guided MLRS Rocket (GMLRS) |

| | |
|---|------------------------|
| ID Code (A=Service Ready, B=Not Service Ready) : | MDAP/MAIS Code: |
|---|------------------------|

| Resource Summary | Prior Years | FY 2018 | FY 2019 | FY 2020 Base | FY 2020 OCO | FY 2020 Total |
|--|--------------|--------------|--------------|---------------|---------------|---------------|
| Procurement Quantity (Units in Each) | - | - | - | 210 | 130 | 340 |
| Gross/Weapon System Cost (\$ in Millions) | 0.000 | 0.000 | 0.000 | 29.062 | 16.919 | 45.981 |
| Less PY Advance Procurement (\$ in Millions) | - | - | - | - | - | - |
| Net Procurement (P-1) (\$ in Millions) | 0.000 | 0.000 | 0.000 | 29.062 | 16.919 | 45.981 |
| Plus CY Advance Procurement (\$ in Millions) | - | - | - | - | - | - |
| Total Obligation Authority (\$ in Millions) | 0.000 | 0.000 | 0.000 | 29.062 | 16.919 | 45.981 |

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

| | | | | | | |
|---|---|---|---|------------|------------|------------|
| Initial Spares (\$ in Millions) | - | - | - | - | - | - |
| Gross/Weapon System Unit Cost (\$ in Dollars) | - | - | - | 138,390.48 | 130,146.15 | 135,238.24 |

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.

| Cost Elements | Prior Years | | | FY 2018 | | | FY 2019 | | | FY 2020 Base | | | FY 2020 OCO | | | FY 2020 Total | | |
|--|----------------|------------|-------------------|----------------|------------|-------------------|----------------|------------|-------------------|----------------|------------|-------------------|----------------|------------|-------------------|----------------|------------|-------------------|
| | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) |
| Flyaway Cost | | | | | | | | | | | | | | | | | | |
| Recurring Cost | | | | | | | | | | | | | | | | | | |
| 1.1.1) Tactical GMLRS Hardware ^(t) | - | - | - | - | - | - | - | - | - | 128,402.00 | 186 | 23.883 | 128,402.00 | 130 | 16.692 | 128,402.00 | 316 | 40.575 |
| 1.1.3) Tactical GMLRS Hardware (Reserves) ^(t) | - | - | - | - | - | - | - | - | - | 128,402.00 | 24 | 3.082 | - | - | - | 128,402.00 | 24 | 3.082 |
| 1.1.4) First Destination Transport | - | - | - | - | - | - | - | - | - | - | - | 0.150 | - | - | 0.072 | - | - | 0.222 |
| 1.1.5) Production Engineering Support | - | - | - | - | - | - | - | - | - | - | - | 1.327 | - | - | 0.155 | - | - | 1.482 |
| 1.1.6) Production Engineering Support (Reserves) | - | - | - | - | - | - | - | - | - | - | - | 0.023 | - | - | - | - | - | 0.023 |
| <i>Subtotal: Recurring Cost</i> | - | - | - | - | - | - | - | - | - | - | - | 28.465 | - | - | 16.919 | - | - | 45.384 |
| <i>Subtotal: Flyaway Cost</i> | - | - | - | - | - | - | - | - | - | - | - | 28.465 | - | - | 16.919 | - | - | 45.384 |
| Support Cost | | | | | | | | | | | | | | | | | | |
| 2.1) Government Management | - | - | - | - | - | - | - | - | - | - | - | 0.597 | - | - | - | - | - | 0.597 |
| <i>Subtotal: Support Cost</i> | - | - | - | - | - | - | - | - | - | - | - | 0.597 | - | - | - | - | - | 0.597 |
| Gross/Weapon System Cost | - | - | 0.000 | - | - | 0.000 | - | - | 0.000 | 138,390.48 | 210 | 29.062 | 130,146.15 | 130 | 16.919 | 135,238.24 | 340 | 45.981 |

(t) indicates the presence of a P-5a

UNCLASSIFIED

Exhibit P-5a, Procurement History and Planning: PB 2020 Navy **Date:** March 2019

| | | |
|---|---|---|
| Appropriation / Budget Activity / Budget Sub Activity: 1109N / 03 / 1 | P-1 Line Item Number / Title: 3025 / Guided MLRS Rocket (GMLRS) | Item Number / Title [DODIC]: 1 / Guided MLRS Rocket (GMLRS) |
|---|---|---|

| Cost Elements | O C O | FY | Contractor and Location | Method/Type or Funding Vehicle | Location of PCO | Award Date | Date of First Delivery | Qty <i>(Each)</i> | Unit Cost <i>(\$)</i> | Specs Avail Now? | Date Revision Available | RFP Issue Date |
|---|-------------|------|------------------------------|--------------------------------------|--------------------------------|---------------|------------------------------|----------------------|--------------------------|------------------------|-------------------------------|-------------------|
| 1.1.1) Tactical GMLRS Hardware ^(†) | | 2020 | Lockheed Martin / Dallas, TX | SS / FPIF | Aviationand Missile Command | Feb 2020 | Sep 2022 | 186 | 128,402.00 | N | Feb 2021 | Feb 2019 |
| 1.1.1) Tactical GMLRS Hardware ^(†) | ✓ | 2020 | Lockheed Martin / Dallas, TX | SS / FPIF | Aviationand Missile Command | Feb 2020 | Sep 2022 | 130 | 128,402.00 | N | Feb 2021 | Feb 2019 |
| 1.1.3) Tactical GMLRS Hardware (Reserves) ^(†) | | 2020 | Lockheed Martin / Dallas, TX | SS / FPIF | Aviation and Missile Cmd | Feb 2020 | May 2021 | 24 | 128,402.00 | N | Feb 2019 | Feb 2019 |

^(†) indicates the presence of a P-21

UNCLASSIFIED

Exhibit P-21, Production Schedule: PB 2020 Navy **Date:** March 2019

| | | |
|---|---|---|
| Appropriation / Budget Activity / Budget Sub Activity: 1109N / 03 / 1 | P-1 Line Item Number / Title: 3025 / Guided MLRS Rocket (GMLRS) | Item Number / Title [DODIC]: 1 / Guided MLRS Rocket (GMLRS) |
|---|---|---|

| Cost Elements <i>(Units in Each)</i> | | | | | Fiscal Year 2020 | | | | | | | | | | | | | Fiscal Year 2021 | | | | | | | | | | | | | B A L A N C E | | |
|---|------------------|------|---------|-------------|---|--|--------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|------------------|-------------|--------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|---------------------------------|--|--|
| O C C O | M F R # | FY | SERVICE | PROC QTY | ACCEP T P R I O R T O 1 O C T 2 0 1 9 | BAL D U E A S O F 1 O C T | Calendar Year 2020 | | | | | | | | | | | | | Calendar Year 2021 | | | | | | | | | | | | | |
| | | | | | | | O C T | N O V | D E C | J A N | F E B | M A R | A P R | M A Y | J U N | J U L | A U G | S E P | O C T | N O V | D E C | J A N | F E B | M A R | A P R | M A Y | J U N | J U L | A U G | S E P | | | |
| 1.1.1) Tactical GMLRS Hardware | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 1 | 2020 | NAVY | 186 | 0 | 186 | | | | | | | | | | | | | | | | | | | | | | | | 186 | | | |
| ✓ | 1 | 2020 | NAVY | 130 | 0 | 130 | | | | | | | | | | | | | | | | | | | | | | | | 130 | | | |
| 1.1.3) Tactical GMLRS Hardware (Reserves) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 2 | 2020 | NAVY | 24 | 0 | 24 | | | | | | | | | | | | | | | | | | | | | | | 0 | | | | |
| | | | | | | | O C T | N O V | D E C | J A N | F E B | M A R | A P R | M A Y | J U N | J U L | A U G | S E P | O C T | N O V | D E C | J A N | F E B | M A R | A P R | M A Y | J U N | J U L | A U G | S E P | | | |

UNCLASSIFIED

Exhibit P-21, Production Schedule: PB 2020 Navy **Date:** March 2019

| | | |
|---|---|---|
| Appropriation / Budget Activity / Budget Sub Activity: 1109N / 03 / 1 | P-1 Line Item Number / Title: 3025 / Guided MLRS Rocket (GMLRS) | Item Number / Title [DODIC]: 1 / Guided MLRS Rocket (GMLRS) |
|---|---|---|

| Cost Elements <i>(Units in Each)</i> | | | | | Fiscal Year 2022 | | | | | | | | | | | | | Fiscal Year 2023 | | | | | | | | | | | | | B A L A N C E | | |
|---|------------------|------|---------|-------------|---|--|--------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|------------------|-------------|--------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|---------------------------------|--|--|
| O C C O | M F R # | FY | SERVICE | PROC QTY | ACCEP T P R I O R T O 1 O C T 2 0 2 1 | BAL D U E A S O F 1 O C T | Calendar Year 2022 | | | | | | | | | | | | | Calendar Year 2023 | | | | | | | | | | | | | |
| | | | | | | | O C T | N O V | D E C | J A N | F E B | M A R | A P R | M A Y | J U N | J U L | A U G | S E P | O C T | N O V | D E C | J A N | F E B | M A R | A P R | M A Y | J U N | J U L | A U G | S E P | | | |
| 1.1.1) Tactical GMLRS Hardware | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 1 | 2020 | NAVY | 186 | 0 | 186 | - | - | - | - | - | - | - | - | - | - | - | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 16 | 0 | | | |
| ✓ | 1 | 2020 | NAVY | 130 | 0 | 130 | - | - | - | - | - | - | - | - | - | - | - | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 10 | 0 | | | | |
| 1.1.3) Tactical GMLRS Hardware (Reserves) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 2 | 2020 | NAVY | 24 | 24 | 0 | | | | | | | | | | | | | | | | | | | | | | | | 0 | | | |
| | | | | | | | O C T | N O V | D E C | J A N | F E B | M A R | A P R | M A Y | J U N | J U L | A U G | S E P | O C T | N O V | D E C | J A N | F E B | M A R | A P R | M A Y | J U N | J U L | A U G | S E P | | | |

UNCLASSIFIED

| | |
|--|-------------------------|
| Exhibit P-21, Production Schedule: PB 2020 Navy | Date: March 2019 |
|--|-------------------------|

| | | |
|---|---|---|
| Appropriation / Budget Activity / Budget Sub Activity: 1109N / 03 / 1 | P-1 Line Item Number / Title: 3025 / Guided MLRS Rocket (GMLRS) | Item Number / Title [DODIC]: 1 / Guided MLRS Rocket (GMLRS) |
|---|---|---|

| MFR Ref # | Manufacturer Name - Location | Production Rates (Each / Year) | | | Procurement Leadtime (Months) | | | | | | | |
|-----------|------------------------------|--------------------------------|----------------|--------------|-------------------------------|-----------------|-------------------|-------------------|--------------------|-----------------|-------------------|-------------------|
| | | MSR For 2020 | 1-8-5 For 2020 | MAX For 2020 | Initial | | | | Reorder | | | |
| | | | | | ALT Prior to Oct 1 | ALT After Oct 1 | Manufacturing PLT | Total After Oct 1 | ALT Prior to Oct 1 | ALT After Oct 1 | Manufacturing PLT | Total After Oct 1 |
| 1 | Lockheed Martin - Dallas, TX | 2,160 | 10,002 | 10,002 | 0 | 2 | 16 | 18 | 0 | 5 | 15 | 20 |
| 2 | Lockheed Martin - Dallas, TX | | | 600 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

"A" in the Delivery Schedule indicates the Contract Award Date.

Note: Due to space limitations, quantities in the Exhibit P-21 delivery calendar are truncated and rounded based on the maximum quantity in the calendar as follows. If the maximum quantity is less than or equal to than 9,999, all quantities are shown as each. If the maximum quantity is between 10,000 and 999,999 all quantities are shown in thousands. If the maximum quantity is between 1,000,000 and 999,999,999 all quantities are shown in millions (rounded to the nearest thousand). If the maximum quantity is equal or greater than 1,000,000,000 all quantities are shown in billions (rounded to the nearest million).