

MARINE A VIA TION

Aviation Weapons Systems Requirements

Col Robert Claypool

Branch Head, Aviation Weapons Systems Requirements (APW-1)

Date: 21 Apr 10

Air to Ground Weapons Roadmap





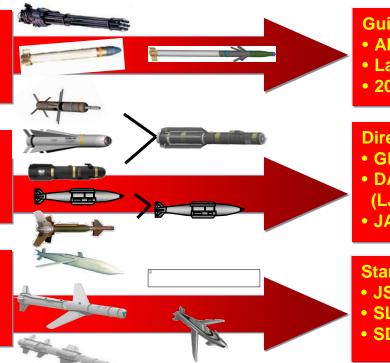
- 2.75" Rockets
- 5" Rockets
- 20mm/25mm/50Cal

Direct Attack

- Hellfire
- GP Bomb
- TOW
- LGB/JDAM
- Maverick
- DMLGB
- GBU 24/J109

Stand-off Weapons

- JSOW A/C
- SLAM-ER
- Harpoon 1-C



Guided Rockets/MGA

- APKWS II
- Laser Guided 5" Zuni
- 20mm/25mm/30MM/CDWS

Direct Attack

- GP Bomb
- GBU 24/J109
- DAMTC (LJDAM)
- GP Bomb SOPGM

- JAGM

Stand-off Weapons

- JSOW C-1
- AARGM
- SLAM-ER
- SDB II



MARINE A VIA TION

Marine Aircraft Group 26 Commanding Officer (2009)

"Operation Iraqi Freedom Warfighter Experience"

Col Steven Rudder

Branch Head, Aviation Expeditionary Enablers (APX-1)

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Offensive Air Support Air Reconnaissance Anti-Air Warfare

Assault Support



Date:











Assault Support

Electronic Warfare





Marine Air Ground Task Force (MAGTF) Responsive Fire Support

Marine Aviation Find Fix Track Target Engage Assess **Sharing the Picture** Command and **Rules of Engagement** Control Aviation Combat Element (ACE) **IDF Positive Identification** AH-1/UH-1 **AV-8/F-18 Ground Combat** ISR **Element (GCE)** Scan Eagle Weapon to target match RQ-7B Scalability/Flexibility **FSCC Fires Approval** DASC

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Marine Air Ground Task Force (MAGTF)

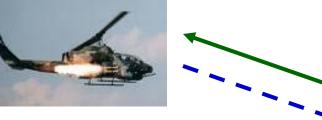
Video Link to Rover/Video Scout (VS)
Re-Wing: Endurance/Payload

POP-300D Payload: Laser Designator

Weaponization







RQ-7B

Hellfire, unguided rockets

Forward Air Controller (Airborne) capable

Tactical Video Data Link (TVDL)

Advanced Precision Kill

Weapon System II (APKWS II)



BRU-55: Dual carriage of smart weapons

BLU-126 Low Collateral (GBU-38v4/GBU-51)

Forward Air Controller (Airborne) capable

Multifunctional Information Distribution System (MIDS)

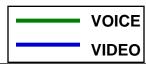
Direct Attack Moving Target Capability



Blue Force Tracker (BFT)

StrikeLink







Questions/Discussion

