Mk 26 Guilded Missile Launching System (GMLS)

**System Weight**
(Approximately dry weight, without missiles)
- Mod 0: 77,184 kg (170,158 lb)
- Mod 1: 217,978 kg (98,875 lb)
- Mod 2: 265,798 kg (120,566 lb)

**System Interface**
TARTAR D, ASROC, or AEGIS Fire Control System

**Power Requirements**
- Main power (from ships supply): 440-vac 60-Hz 3-phase
- Peak running load — continuous fire with no ships in motion: 740 amps, 495 kw
- Peak ready alert mode: 201 amps, 106 kw

**Water Injection System**
- 757 liter (800 gal/min) accumulator at 14.06 kg/cm², gage (200 psig)
- Fresh water backed up by 5.97 kg/cm², gage (85 psig)
- at 28.56 liter/sec (450 gpm) sea water

**Sprinkling Systems (Sea Water)**
- Mod 0: 50.5 liter/sec (800 gal/min) at 4.9 kg/cm², gage (70 psig)
- Mod 1: 75.7 liter/sec (1,200 gal/min) at 4.9 kg/cm², gage (70 psig)
- Mod 2: 95.9 liter/sec (1,520 gal/min) at 4.9 kg/cm², gage (70 psig)

**Circulated Air in Guide Arms**
- (Dew point of -40°F) 1888 cm³/sec (4 ft³/min) at 703.1 kg/cm², gage (10 psig)

**Air Conditioning**
- Personnel spaces: 75°F ± 5°F (23.9°F ± 2.8°F) at 60% relative humidity
- Magazine: 80°F ± 10°F (26.7°F ± 5.6°F) at 55% relative humidity

**System Date**
- Ready service complement
  - Mod 0: 24 weapons
  - Mod 1: 44 weapons
  - Mod 2: 64 weapons
- Complement can include any mix of STANDARD MR, ASROC, and potential growth weapons

**Potential growth weapons**
- Weight: 997.9 kg (2,200 lb)
- Maximum length: 508.00 cm (200.00 in)
- Maximum diameter: 37.465 cm (14.750 in)

**Strikedown Data**
- Interface
  - AAW: TERRIER-TARTAR Dolly Mk 6
  - ASW: Missile Container Mk 183 and Handlift Truck Mk 42 and/or Mk 45
- Rate from Mk 6 Dolly or Mk 183 container (exclusive of missile preparation and hand trucks)
  - 3 minutes per missile
- Train and Elevation Data
  - Stationary and Dynamic
    - Train
      - Limits (preset): Unlimited -10°, +90° (+15° over-travel on each limit)
      - Velocity: 90°/sec 50°/sec
      - Acceleration: 180°/sec² 100°/sec²
      - Synchronizing time: 0.99 to 3.47 sec, depending on velocity, direction, and offset of signal (includes 0.25-sec time delay required to obtain synchronism)
  - Elevations
    - 5°/sec — 4.0 4.0
    - 15°/sec — 7.0 7.0
    - 30°/sec — 10.0 10.0
    - 45°/sec — 15.0 15.0
    - 75°/sec — 25.0 —
    - Harmonic motion (amplitude — period)
      - 15°: 9.0 sec — 6.0 5.0
      - 30°: 9.0 sec — 12.0 10.0
      - 5°: 4.5 sec — 9.0 9.0
      - 15°: 4.5 sec — 25.0 25.0
      - 30°: 4.5 sec — 50.0 50.0
      - 40°: 7.34 sec — 20.0 —
      - 80°: 7.34 sec — 40.0 —

**Signal Input**
- Digital (from Fire Control); interface module converts to continuous function for 1X and 32X synchros and dc rate network

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