



High-Precision Pointing & Position Location System



L-3 Space & Navigation (S&N) continues its record of excellence in providing the Multiple Launch Rocket System (MLRS) program with the highest performance, reliability and quality Pointing & Position Location System capability. Equipped with more than 20 years of direct experience in aiming and navigating the MLRS launcher, L-3 S&N is under contract to develop and build the Position/Navigation Unit (PNU) for the MLRS (Multiple Launch Rocket System) Improved Fire Control Systems (IFCS).

The PNU and its variants point the way for the future direction of the land navigation and pointing systems. Utilizing advanced sensors, electronics, software and aiding (GPS and odometer), the PNU delivers precisely what the Army of tomorrow needs — a system designed to remain operationally effective and affordable well into the future.

FEATURES

- High-performance RLG-34 ring laser gyros
- Advanced 32-bit microprocessor
- Common architecture
- Integrated SAASM (Selective Availability Anti-Spoofing Module)
- Combat-proven
- Nuclear compliant

Use of U.S. DoD imagery does not imply or constitute DoD endorsement.



Specifications

CHARACTERISTICS

Azimuth	0.25 secant latitude, 1 mil PE (Probable Error)
Initialization Time	5 minutes (maximum)
Realignment Time	Not required
Roll/Elevation Accuracy	0.17 mil (PE)
Position Accuracy	< 0.15% distance traveled
Temperature Range	-32 °C to + 60 °C
Shock	100 g (damped sine)
Stored Heading	< 2 minutes
Moving Base Alignment	< 15 minutes



MORE THAN 1000 PNUs FIELDIED AND FORWARD DEPLOYED

The IFCS PNU represents a true state-of-the-art system approach. Its design features permit-ready adaptation and/or optimization to any current or future weapon system or sensor requiring precision pointing and positioning. The PNU was conceived and designed to provide significant growth capability in performance and functionality, assuring its ability to meet the U.S. Army's future needs. Furthermore, its advanced electronics architecture has been focused to minimize operations and support costs and to avoid life-cycle parts obsolescence issues.

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