The Fire Scout unmanned air system provides unprecedented situational awareness and precision targeting support for the U.S. Navy.

The MQ-8B Fire Scout has the ability to autonomously take off and land from any suitably-equipped air-capable warship and at unprepared landing zones.

The MQ-8B advanced control stations incorporate the U.S. Navy’s Tactical Control System (TCS), Tactical Common Data Link (TCDL), and robust communications. A modular mission payload capability allows continued growth into new payloads, and a highly reliable air vehicle that meets or exceeds all U.S. Navy performance criteria.

With a total endurance of almost eight hours, the Fire Scout can provide almost five hours time-on-station with a standard payload at 110 nmi (200 km) from the launch site. A system of two Fire Scouts can provide continuous coverage at 110 nmi. Utilizing a payload that includes electro-optical/infrared sensor with laser rangefinder/illuminator and a maritime radar, the Fire Scout can find and identify tactical targets, track and illuminate targets, accurately provide targeting data to strike platforms and perform battle damage assessment.

Acting as a communications node with its multiple V/UHF radios within the proposed Network-Centric Warfare Battlespace, the Fire Scout will increase the effectiveness and flexibility of the C4I architecture. The program is managed by the Multi-Mission Tactical UAS Program Office at Patuxent River, Md.

Fully Autonomous Operations

- No pilot in the loop required for launch and recovery
- In-flight vector mode
- In-flight mission plan update capability
- Expanded flight envelope
- Minimal impact on host ship operations
- Minimal support personnel requirements

MQ-8B Fire Scout is part of Northrop Grumman’s family of unmanned aircraft systems that have been delivered to customers worldwide for more than 70 years.

www.northropgrumman.com/firescout

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Printed in USA
MARCOM San Diego
15-0115 • AS • 04/17 • 66003
NAVAIR Public Release SPR-2015-126
Distribution Statement A - Approved for public release; distribution is unlimited, 20 February 2015

MQ-8B Fire Scout

Specifications

Length ......................................................... 23.95 ft (7.3 m)
Width .............................................................. 6.20 ft (1.9 m)
Height .............................................................. 9.71 ft (2.9 m)
Rotor Diameter ........................................ 27.50 ft (8.4 m)
Blades Folded Forward ...................... 30.03 ft (9.2 m)
Weight .......................................................... 3,150 lbs (1428.8 kg)
Propulsion .......... Rolls Royce 250-C20W Turboshaft

Performance

Speed ............................................................ 85 knots
Ceiling ......................................................... 12,500 ft (3.8 km)
Range/Endurance .................................... 596 nmi/7.75 hrs

Payload ......................................................... 300 lbs
Typical Payload ............................................ 150 lbs

Payloads

EO/IR/LRF/Mine Detector/Comm Relay/
Maritime Radar/AIS

For more information, please contact:

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Supplying the Armed Forces with organic intelligence, surveillance, reconnaissance, and targeting (ISR/T).