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IMMEDIATE RELEASE

Moog's Genesys GRC™ 4000 4-Axis Autopilot Receives FAA TSOA
Unlocking Enhanced Capabilities Across Rotorcraft Platforms

Mineral Wells, TX – Moog Inc. (NYSE: MOG.A and MOG.B), a worldwide designer, manufacturer, and systems integrator of high-performance precision motion and fluid controls and control systems announced its Genesys GRC 4000 4-axis rotorcraft autopilot has received FAA Technical Standard Order Authorization (TSOA).

Moog is actively integrating the new capability into UH-60A/L Black Hawk variants, EC-145, and Enstrom 480B aircraft. In addition, Moog is planning to integrate GRC 4000 into other additional platforms.

The new **GRC 4000** introduces **Hover Hold** and **Collective Control** functions on top of the 3-axis capabilities of Yaw, Pitch, and Roll control. The new product delivers greater automation, reduces pilot workload, and enhances mission effectiveness across diverse operational scenarios.



Figure 1 – GRC 4000 Autopilot

“This certification marks a significant step forward for rotorcraft operators,” said Nick Bogner, Director of Business Development, Moog Avionics. “The GRC 4000 takes on high-complexity control tasks to reduce pilot workload enabling pilots to focus on mission-critical objectives — improving safety and ensuring success.”

Why this matters:

- A. **Automation:** The addition of the 4th axis is a critical building block in Moog’s automation expansion for the GRC autopilot system enabling automatic full-authority liftoff, hover, cruise, and landing modes.
- B. **Enhanced Safety:** The autopilot’s automated flight capabilities along with stability augmentation and envelope protection greatly reduces pilot workload and increases safety.
- C. **VFR & and IFR capability:** Seamless autopilot and stability control from startup to shut down, optimizes performance in all flight conditions.

About the GRC 4000

The GRC 4000 expands Moog’s Genesys GRC™ Autopilot family with a lightweight, affordable, attitude-based 4-axis solution that combines stability augmentation with advanced autopilot modes.

Key features include:

- Automatic recovery to near-level attitude across airspeeds
- Stability augmentation that remains active throughout all flight phases
- Autopilot pitch control: Altitude Hold, IAS Hold, VS Hold, and Glide Slope
- Autopilot roll control: Heading Hold, NAV, LOC, and VOR guidance
- Optional yaw control
- Over-speed and under-speed envelope protection
- 4th-axis automatic takeoff, hover/hold, and landing capability



PRESS RELEASE

Meet Us At Verticon 2026:

The Moog team will be exhibiting at Verticon, Booth B8240, and displaying Moog Avionics equipped Black Hawks in our static display BC8145. Come meet with us and discuss your avionics needs.

About Moog Inc.

Moog is a worldwide designer, manufacturer, and systems integrator of high-performance precision motion and fluid controls and control systems. Moog's high-performance systems control military and commercial aircraft, satellites, and space vehicles, launch vehicles, defense systems, missiles, automated industrial machinery, marine and medical equipment. Additional information can be found at www.moog.com.

Media Contacts:

John Filmonchik | Moog Avionics | Business Development Director | (940) 468-9693 | JFilmonchik@moog.com

Edward Popek | Moog Avionics | Sr. Marketing Manager | (940) 327-9035 | EPopek@moog.com

Investor Relations:

Aaron Astrachan | +1 (716) 687-4225 | investorrelations@moog.com

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