

RAPID DECELERATION (QUICK STOP)**PURPOSE:**

To simulate a condition when a rapid decrease in forward airspeed is required as in an aborted takeoff.

DESCRIPTION:

Perform a normal takeoff into the wind. Once a minimum altitude of 25 feet is attained, apply additional forward cyclic to accelerate to 40–50 KTS while maintaining altitude. Begin the quick stop by smoothly lowering the collective, adding right pedal, and simultaneously applying aft cyclic to decelerate. Apply aft cyclic as needed to maintain entry altitude throughout the deceleration. As airspeed is lost, the helicopter will begin to settle. Slowly increase the collective to control the rate of descent adding forward cyclic to level the helicopter. Maintain heading with pedals. Terminate at a stabilized 5-foot hover. Use caution to avoid terminating at a high hover or in an extreme tail low attitude.

PERFORMANCE STANDARDS:

	Private	Commercial
Heading	$\pm 10^{\circ}$	$\pm 5^{\circ}$
Altitude	± 15 feet	± 10 feet
Termination Point	± 50 feet	± 25 feet