

## Portable Descent Guidance System

One of the primary conditions flown in rotorcraft flight acoustics is the steady descent case. These can be anywhere from 3 to 12 degrees descent angle. A portable system is needed that optically guides the pilot along the selected descent path. This system needs to be ground based and have no equipment in the aircraft. It should be field deployable by two personnel in less than an hour, battery operated and be able to have the descent angle changed within one minute.

### Portable Descent Guidance System Specifications:

Power Input:	shall be able to accept DC voltage
Power Consumption:	operational duration >8 hours on a battery
Visible Range:	guidance lights shall be visible at least up to 6000 feet in bright sunlight
Approach Angle:	3° to 12°, user switchable in a minimum of 1° increments
Approach Angle change time:	The angle shall be able to be changed within one minute.
Remote Operation:	Wireless control if possible
Guidance Accuracy:	+/- 0.5°
Weight:	not to exceed 100 lbs per unit
Operating Temperature:	-20 to 115 °F
Setup Time:	Less than one hour
Portability:	System shall be portable, no equipment installed on aircraft