

# AN/SSQ-47B

## Range Only Active Sonobuoy

### Localization and Tracking of Sub-Surface and Surface Targets of Interest

The AN/SSQ-47B Range Only or 'Pinger' sonobuoy provides the acoustic operator with an accurate range to submerged targets during the final stages of an ASW prosecution.

Deployable from aircraft, helicopters, or surface ships, The AN/SSQ-47B automatically commences operation after water entry. Acoustic information received from the sonobuoy's sonar pulses is transmitted on one of twelve RF channels for operator analysis.

- 'A' size high-performance Range Only Active sonobuoy
  - Exceeds requirements of Mil-S-81349B(AS)
  - Compatible with all known airborne acoustic processors
- Automatic operation upon water entry
- Sonar Pings on one of six different frequencies
- Selectable Depth (60 or 800 feet)
- Night Light
- Twelve RF frequencies
- Self Scuttling at end of life
- Designed for reliable operation



# SPECIFICATIONS

## PHYSICAL DESCRIPTION

Weight .....	22 lbs (10 kg)
Description .....	Active, Omnidirectional Range only sonobuoy
Dimensions .....	36.00 inches (91.44 cm) long 4.875 inches (12.4 cm) diameter 'A' size form factor

## PERFORMANCE DATA

Applicable Specification .....	Mil-S-81349B(AS)
Power Source .....	seawater battery
Activation Time .....	< 30 seconds
Operational Life .....	30 minutes (in water)
Scuttling Time.....	1-10 hours after water entry
RF Transmission Channels .....	12 fixed
Transmitter RF Power.....	0.25 watts minimum
Operating Depth.....	Selectable (60 or 800 feet)
Sea State Operation.....	Up to Sea State Five
Sonar Pulse Repetition Rate.....	10 seconds