NAVAIR 28-SSQ-500-2 SEARCH STORES REFERENCE CARD 12/03

AN/SSQ-	36	36B	53D	53E	53F	62D	62E	77A(CZ)	77B	77C	101	110	110A	110B
Type	AXBT		DIFAR			DICASS		VLAD			ADAR	EER	IEER	AEER
NALC (8WXX)	74	78	72	84	88	82/83	87 See **NOTE**	75	76	90 See **NOTE**	85	77	81	89 See **NOTE**
Max lbs. in SLC(Avg.)	19	20.6	34			44		33.1		34	35.4	39		
Launch Env	G-3		G-3			G-3		G-3			G-3	G-3		
Sensor Depth (Ft)	2600	2625	90 / 400 1000	CSO=45FT (d1)90 (d2)200 (d3)400 (d4)1000	CSO=45FT DIFAR&CO (d1)90 (d2)200 (d3) 400 (d4) 1000	50/150/300 or 90/400/1500	(d1) 50, 150 300 (d2) 90, 400, 1500	500	(SH)500 (DP)1000	(d1) 200 (d2) 500 (d3) 1000	(d1) 65 (d2) 300 (d3) 500	CLASSIFIED		
EST Deploy Time (SEC)	200@5FT 1000Ft 400@5FT 2000FT 520@5FT 2600FT	520@5Ft 2625	100 160 240	CSO 100 (d1) 100 (d2)125 (d3)160 (d4) 240		50 0R 90 (60) See **NOTE**	Defaults to shallow (60) See **NOTE**	100 (max)	(SH)180 (DP) 240	(d1) 150 (d2) 200 (d3) 240	(d1)240 (d2) 240 (d3) 240			
Life Settings (Hr)	12 min.		0.5, 1, 2, 4, or 8			1 (50 Ping Sec)		1, 4, or 8		.5, 1, 2, 4 or 8	See **NOTE**	4+1/-0	6+1/-0	
RF Output(Watts)	0.25		1			1		1		1	5 in 3 min.	0.5		
RF Channels	12, 14, 16	99	99	96 see **NOTE**		86 See **NOTE**	96 See **NOTE**	99		96 See **NOTE**	47 See **NOTE**	31 See **NOTE**	99	
Command Function Select (**CFS**) Commands Command Signal Generator (**CSG**) Commands				**CFS ONLY** RF POWER RF CHAN LIFE AGC SENSOR		**CSG ONLY** DEPTH , SCUTTLE & PING	(**CFS**) RF POWER, RF CHAN, SONAR CHAN (**BOTH**)DEPTH (**CSG**) SCUTTLE,PING			**CFS ONLY** RF POWER RF CHAN LIFE	**CFS ONLY** RF POWER RF CHAN MODE BAND SCUTTLE	**CSG ONLY** PAYLOAD RELEASE, SCUTTLE	**CSG ONLY** DEPTH, PAYLOAD RELEASE, SCUTTLE	(**CFS**)RF CHAN (**BOTH**)DEPTHS (**CSG**)RELEASE PAYLOADS, SCUTTLE

Type	TEMP VS FREQ. CONVERSION
AXBT= Bathythermograph (measure ocean temp.)	**DEGREES CELSIUS** f= 1440+36T; where F=Frequecny in hertz and T= Temp in C
DIFAR = Passive Directional	
DICASS = Directional Command Activated Sonobuoy System	**DEGREES FAHRENHEIT** f= 800+20T; where f=Frequency in hertz and T=Temp in F
VLAD = Vertical Line Array DIFAR	
ADAR = Air Deployable Active Receiver	
EER = Extended Echo Ranging (SSQ-110 & SSQ-77)	
IEER = Improved Extended Echo Ranging (SSQ-110A & SSQ-101)	
AEER = Advanced Extended Echo Ranging	

Reference: **Sonobuoys** NAVAIR 28-SSQ-500-1 Revision 1 01 April 02

IMPORTANT NUMBERS:

Sonobuoy **HOTLINE**: (812) 854-3577 DSN 482

Sonobuoy **Homepage** : http://sonobuoy.crane.navy.mil

SUS Data

SUS MK-Mod:	61-0	64-0	84-1
NALC	SW08	SW09	SW39
Purpose	Ocean Envir Cal	Signaling	Comm/ SIM Attack
Transmission	Explosive		Electronic

References: **SUS**
NAVAIR 11-1-107 (REVISION 3)

Reference: **MK 39 EMATT**
Tech. Manual & Run sheets avail via link
http://www.npt.nuwc.navy.mil/ematt/index.htm

MK39 EMATT

MK-39	Mod 0	Mod 1	Mod 2
NALC	LW17	CWIE	CWLC
ENDURANCE (hrs)	3		3 to 8
Speed	8.0 w/o MAD 7.0 w/ MAD		3-8 kts 5-7kts w/MAD
Tonals	450,600,720,& 900 HZ		

WEIGHT NOTE: All NALC'S 22 lbs.

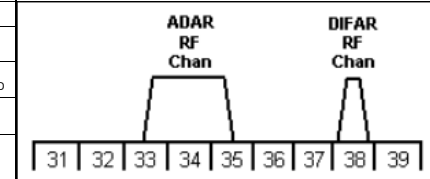
SSQ-110 NOTE:
3 uplink channels 11,20,30 fixed
No OTPI capability

SSQ-62E NOTE:
8W86 not for U.S. Navy use
Unusable RF Channels 57,58,&93

SSQ-62D NOTE:
Unusable RF Channels 6,15,18,34,40,50, 53,57,58,59,69,72,&93

SSQ-62/D/E NOTE: **EST DEPLOY TIME**
Ft-Ft (time in sec)
50-90(20), 50-150(20), 50-300(30), 50-400(40), 50-1500(105),90-150(20), 90-300(30), 90-400(35), 90-1500(100), 150-400(35), 150-300(25),150-1500(95), 300-400(20), 300-1500(90), 400-1500(80)

SSQ-101 NOTE:
ADAR uses wideband RF channels.
1 ADAR CHANNEL = 3 DIFAR RF'S
RF 1-16 & 32-99(even) except 56,58,&60

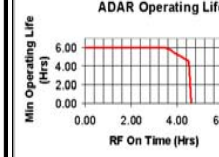


SSQ-53 E/F NOTE:
Unusable RF Channels 57,58,&93

SSQ-77C NOTE:
Production TBD
Unusable RF Channels 57,58,&93

SSQ-110B:
Production TBD

SONOBUOY LAUNCH ENVELOPE

ENVELOPE	MAX ALTITUDE	MAX IAS (KNOTS)
G-3	30,000	350

SSQ-101 NOTE:
6.0 Hrs buoy life,
approx. 4.5 Hrs cumulative RF transmitter line