NAVAIR 28-SSQ-500-2 SEARCH STORES REFERENCE CARD 04/02

AN/SSQ-	36	36B	53D	53E	53F	62C	62D	62E	77ACZ	77B	77C	101	110	110A	110B
Type	AXBT		DIFAR			DICASS			VLAD			ADAR	EER	EER	AEER
NALC (8WXX)	74	78	72	84	88	79	82/83	87 (See **NOTE**)	75	76	90	85	77	80/81	89
Max lbs. in SLC(Avg.)	19	20.6	34			44			33.1		34	35.4	39		
Launch Env	G-3		G-3			G-2	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	90/400/1500 or 90/400/2500	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)				CSO 100 (d1) 100 (d2)125 (d3)160 (d4) 240		90 (60) 90-2500(170) 400-2500(160) See **NOTE**	50 OR 90 (60) See **NOTE**	Defaults to shallow (60) See **NOTE**			(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	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
AXBT= Bathythermograph (measure ocean temp.)
DIFAR = Passive Directional
SPL = Calibrated LOFAR
DICASS = Directional Command Activated Sonobuoy System
VLAD = Vertical Line Array DIFAR
ADAR = Air Deployable Active Receiver
EER = Extended Echo Ranging
AEER = Advanced Extended Echo Ranging

TEMP VS FREQ. CONVERSION

DEGREES CELSIUS

f= 1440+36T;
where F=Frequecny in hertz
and T= Temp in C

DEGREES FAHRENHEIT

f= 800+20T;
where f=Frequency in hertz
and T=Temp in F

Reference: **Sonobuoys** NAVAIR 28-SSQ-500-1

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	(VS) EMATT See NOTE
NALC	LW17	CWIE	CWLC
ENDURANCE (hrs)	3 @8kts 3@7kts (w/MAD)		3@8kts 6@3kts
Speed	8.5 w/o MAD 7.5w/MAD		3-8 kts
Tonals	450,600,720,& 900 HZ		

NOTE: **(VS)** = Variable speed
WEIGHT NOTE: All NALC'S 22 lbs.

SSQ-62E NOTE:
8W86 not for U.S. Navy use

SSQ-62E NOTE:
Unusable RF Channels 57,58,&93

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

SSQ-62C/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)

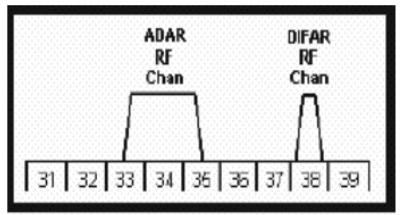
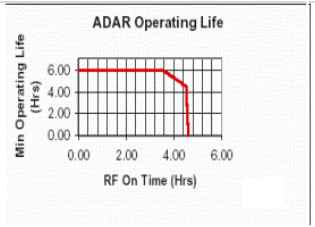
SSQ-53 D/F NOTE:
Unusable RF Channels 57,58,&93

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

NOTE: SONOBUOY LAUNCH ENVELOPE

ENVELOPE	MAX ALTITUDE	MAX IAS (KNOTS)
G-2 DICASS	10,000	300
G-3	30,000	350

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