APPENDIX H

ELEMENT VS. SHIP SUPPORT MATRICES

SUMMARY

A ship support matrix was constructed for each whole ship option to provide a basis for the type and amount of support needed from the ship to operate each Combat System suite. The Navy option 1 and Coast Guard option 1 suites are shown in this appendix due to their extensive list of high-end systems. The remaining suites can be characterized as a subset of the suites shown below:

H-1: Ship Support Matrix (Navy option 1)
H-2: Ship Support Matrix (Coast Guard option 1)

Elements	Electric power	400 Hz Electric	Chilled Water	A/C Ventilation	High Strength Structure	Fire Protection System	Ammunition loading equipm	Hydraulic Systems	HP air	LP air	Nitrogen	Salt Water Cooling	Gyro Inputs
SPY-1D	X	X	X	X						X			X
SPS-67	X	X	X	X	X					X		X	X
TAS	X	X	X	X	X					X		X	X
SQR-19	X	X		X									
SQS-56	X	X	X	X	X					X		X	X
SH-100	X		X	X									X
SLQ-32	X	X		X						X			X
VIDEO/OPTICAL	X	X		X									X
ACDS	X			X									
CEC	X			X									
JMCIS	X			X									
PANTHER	X	X			X	X	X	X	X	X			
SMALL BOATS (4)	X							X				X	
IFF	X	X		X									
MK 99	X	X	X	X									X
-SPG-62	X	X	X	X	X					X		X	X
Mk 34 GFCS	X	X	X	X									X
SPG-60/SPQ-9	X	X	X	X	X					X		X	X
IR Mk-46		X		X									X
SQQ-89	X	X		X									X
Mk-309 ASWFC	X	X		X									X
VOICE COMMS	X			X									
GPS	X												
TACAN	X			X									X
RING INFO NET.	X			X									
WCS	X			X									X
ISDS	X			X									
155 mm GUN	X	X	X		XXX	X	X	X	X	X		X	X
CIWS (2)	X	X	X		X	X							X
Mk 49 (RAM LNCHR)	X	X											X
RAM													X
VLS	X				X		X	X	X	X			X
HARPOON													X
TOMAHAWK													X
ESS													X
SM-2 MR													X
VLA													X
SVTT	X						X		X				X
MK 50						X	X		X	X			X
SRBOC	X					X							
NIXIE	X												
EOD TEAM	X								BYOA				

Table H-1: Ship Support Matrix (Navy option 1)

Elements	Electric power	400 Hz Electric	Chilled Water	A/C Ventilation	High Strength Structure	Fire Protection System	Ammunition loading equipm.	Hydraulic Systems	HP air	LP air	Nitrogen	Salt Water Cooling	Gyro Inputs
SPY-1D	X	X	X	X						X			X
SPS-67	X	X	X	X	X					X		X	X
TAS	X	X	X	X	X					X		X	X
SQS-56	X	X	X	X	X					X		X	X
SH-100	X		X	X									X
SLQ-32	X	X		X						X			X
VIDEO/OPTICAL	X	X		X									X
ACDS	X			X									
CEC	X			X									
JMCIS	X			X									
DOLPHIN	X	X			X	X	X	X	X	X			
SMALL BOATS (4)	X							X				X	
IFF	X	X		X									
MK 92 GFCS	X	X	X	X						X			X
CAS/STIR	X	X	X	X	X					X	X	X	X
IR Mk-46	X	X		X									X
SQQ-89	X	X		X									X
Mk-309 ASWFC	X	X		X									X
VOICE COMMS	X			X									
GPS	X												
TACAN	X			X									X
RING INFO NET.	X			X									
WCS	X			X									X
ISDS	X			X									
76 MM	X	X	X		X	X	X	X	X	X		X	X
CIWS (1)	X	X	X		X	X							X
Mk 49 (RAM LNCHR)	X	X											X
RAM													X
SVTT	X						X		X				X
MK 50						X	X		X	X			X
SRBOC	X					X							
NIXIE	X												
BUOY HANDLING	X				X			X		X			
EOD TEAM	X								BYOA				

Table H-2: Ship Support Matrix (Coast Guard option 1)