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0
1 ( -----overlay prefix for SHIP-CONFIGURA
2 ( BANK Module Callers
3 ( MISCELLANEOUS Module Callers
4 ( SHIPGRPH Module Callers
5 ( contd. SHIP A
6 ( Miscellaneous Utilities BKSPACE KEY-PAUSE FLASH
7 ( Miscellaneous Utilities #IN$
8 ( Text Output
9 ( Miscellaneous Messages
10 ( Ship Configuration Cursors A
11 ( Ship Configuration Ship BLT data A
12 ( Ship Configuration Ship BLT data & Cursor A
13 ( Ship Configuration .MASS .ACC A
14 ( Ship Configuration .END .HULL A
15 ( Ship Configuration Shield A
16 ( Ship Configuration Missiles, Lasers A
17 ( Ship Configuration ?CLASS ?PODS .CLASS A
18 ( Ship Configuration BALANCEMESS Frame A
19 ( Ship Configuration Info A
20 ( Ship Configuration BSFRAME KEY'TIL A
21 ( Ship Configuration PRICETABLE A
22 ( Ship Configuration CLRPRICES .PRICE A
23 ( Ship Configuration PARTADDR A
24 ( Ship Configuration .VALUE A
25 ( Ship Configuration BUYPOD ?GOTPART A
26 ( Ship Configuration BUYPART A
27 ( Ship Configuration Buy Ship Parts A
28 ( Ship Configuration Sell Ship Parts A
29 ( Ship Configuration Sell Ship Parts A
30 ( Ship Configuration Buy Ship Parts A
31 ( Ship Configuration A
32 ( Ship Configuration A
33 ( Ship Configuration A
34 ( Ship Configuration CONFIG-FUNCTION A
35 ( Ship Configuration User Interface A
36 ( -----overlay suffix for SHIP-CONFIGURA

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0      ( MISCELLANEOUS Module Callers )
1
2      HEAD: CMESST T: ' ovCMESST MODULE T;
3      HEAD: OMESST T: ' ovOMESST MODULE T;
4      HEAD: #IN$ T: ' ov#IN$ MODULE T;
5      HEAD: QUITMESST T: ' ovQUITMESST MODULE T;
6      HEAD: .O$$$ T: ' ov.O$$$ MODULE T;
7      HEAD: O$$$MESST T: ' ovO$$$MESST MODULE T;
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0 ( -----overlay prefix for SHIP-CONFIGURATION----- ) ( SHIPGRAPH Module Callers )
1
2      HEAD: .MASS T: ' ov.MASS MODULE T;
3 VOCABULARY CONFIG-VOC IMMEDIATE      HEAD: .ACC T: ' ov.ACC MODULE T;
4 84 OPEN-OVERLAY      HEAD: .END T: ' ov.END MODULE T;
5 CONFIG-VOC DEFINITIONS      HEAD: .HULL T: ' ov.HULL MODULE T;
6      HEAD: .SHIELDS T: ' ov.SHIELDS MODULE T;
7 2300 TRANS-ALLOT      HEAD: .PODS T: ' ov.PODS MODULE T;
8      HEAD: .MISSILES T: ' ov.MISSILES MODULE T;
9 NEWT-OP      HEAD: .LASERS T: ' ov.LASERS MODULE T;
10      HEAD: .SHIP T: ' ov.SHIP MODULE T;
11      HEAD: BALANCEMESST T: ' ovBALANCEMESST MODULE T;
12      HEAD: .CONFIG T: ' ov.CONFIG MODULE T;
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0 ( BANK Module Callers ) ( contd. SHIP ) ( AWK 10/23/85 )
1
2 HEAD: #INIT-BALANCE ( -- ) T: ' ovINIT-BALANCE MODULE T; 20 17 2 IFIELD: %ARMOR 20 19 2 IFIELD: %ENGINE
3 HEAD: #TRANSACT ( n -- ) T: ' ovTRANSACT MODULE T; 20 21 2 IFIELD: %SENSORS 20 23 2 IFIELD: %COMMUNICATION
4 HEAD: #DBALANCE ( -- d ) T: ' ovDBALANCE MODULE T; 20 25 2 IFIELD: %SHIELD 20 27 2 IFIELD: %MISSILE
5 HEAD: #D!BALANCE ( d -- ) T: ' ovD!BALANCE MODULE T; 20 29 2 IFIELD: %LASER 20 31 2 IFIELD: %PODS
6 HEAD: #?BALANCE ( d -- f ) T: ' ov?BALANCE MODULE T; 20 33 2 IFIELD: %FPODS 20 35 2 IFIELD: %HOLD
7 HEAD: #!TFLAG ( -- ) T: ' ov!TFLAG MODULE T; 20 37 2 IFIELD: %ACC 20 39 2 IFIELD: %MASS
8 20 41 7 IFIELD: %REPAIR 20 48 2 IFIELD: %SHIELD-CNT
9 20 50 2 IFIELD: %ARMOR-CNT
10 20 67 2 IFIELD: %CARGO 20 69 4 IFIELD: %STATUS
11
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0 (Miscellaneous Utilities BKSPACE KEY-PAUSE FLASH-CURSOR) (Miscellaneous Messages

AWK 03/14/84)

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0 (Miscellaneous Utilities #IN\$

) (Ship Configuration Cursors

AWK 8/12/85)

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V: CONFIG-CURSOR -2 DP +!

4 C, 10 C, 2 C, 9 C, 19 C, 10 C, 22 C, 9 C, 37 C,
10 C, 60 C, 9 C, 39 C, 10 C, 100 C, 9 C, 27 C,
10 C, 128 C, 9 C, 30 C,

V: PARTS-CURSOR -2 DP +!

5 C, 176 C, 6 C, 9 C, 41 C, 161 C, 6 C, 9 C, 29 C,
151 C, 6 C, 9 C, 37 C, 141 C, 6 C, 9 C, 21 C,
131 C, 6 C, 9 C, 65 C, 121 C, 6 C, 9 C, 49 C,

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0 (Text Output

AWK 10/01/84) (Ship Configuration Ship BLT data

AWK 03/05/84)

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0 ( Ship Configuration Ship BLT data & Cursor   AWK 03/05/84 ) ( Ship Configuration Shield   AWK 06/20/84 )
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0 ( Ship Configuration .MASS .ACC   AWK 10/25/84 ) ( Ship Configuration Missiles, Lasers   AWK 06/20/84 )
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0 ( Ship Configuration .END .HULL   AWK 10/25/84 ) ( Ship Configuration ?CLASS ?PODS .CLASS   AWK 06/20/84 )
1
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HEAD: ?CLASS (class line# --)
 T: 7 BLACK ROT 10 * 119 + 125 2DUP SWAP POS. POS.PXT
 WHITE !COLOR 7 AND ?DUP IF ." CLASS " . ELSE ." NONE" THEN T;

HEAD: ?PODS (--)
 T: @CRS >1FONT 2 BLACK 174 133 2DUP SWAP POS. POS.PXT
 WHITE !COLOR ?PODS @ +BIT 2 .R !CRS .MASS .ACC T;

HEAD: .CLASS (--)
 T: >1FONT @CRS XORMODE OFF
 %ENGINE 1+ C@ 4 ?CLASS %SHIELD 1+ C@ 3 ?CLASS
 %ARMOR 1+ C@ 2 ?CLASS %MISSILE 1+ C@ 1 ?CLASS
 %LASER 1+ C@ 0 ?CLASS ?PODS !CRS T;

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0 ( Ship Configuration BALANCEMESS Frame AWK 09/12/84 ) ( Ship Configuration PRICETABLE AWK 03/15/84 )
1
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V: #PART

V: PRICETABLE -2 DP +! (in 100's of MUs)

1250 , 640 , 270 , 80 , 10 , (engines)

625 , 280 , 175 , 100 , 25 , (shields)

100 , 80 , 60 , 40 , 20 , (armor)

400 , 200 , 100 , 50 , 25 , (missiles)

240 , 120 , 60 , 30 , 15 , (lasers)

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0 ( Ship Configuration Info AWK 03/13/84 ) ( Ship Configuration CLRPRICES .PRICE AWK 03/13/84 )
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HEAD: CLRPRICES (--)

T: 5 0 00 6 0 54 I 10 * + 54 POS.PXT LOOP

4 BLACK 174 55 POS.PXT WHITE !COLOR T;

HEAD: .PRICE (line# --)

T: >R @CRS R> >IFONT XORMODE OFF CLRPRICES ?DUP 0=

IF 59 174 POS. 500 .

ELSE 1- 5 * 5 OVER + SWAP DO

55 I 5 MOD 10 * 54 + POS. PRICETABLE I 2* + @ 100 M*

6 D.R LOOP THEN !CRS T;

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0 ( Ship Configuration BSFRAME KEY'TIL AWK 9/21/85 ) ( Ship Configuration PARTADDR AWK 10/23/85 )
1
2 HEAD: BSFRAME ( c -- )
3 T: !COLOR 2 181 79 OVER LLINE 2 27 79 OVER LLINE
4 2 181 2 27 LLINE 79 181 OVER 27 LLINE T;
5
6
7 HEAD: KEY'TIL ( -- )
8 T: TIME D@
9 BEGIN TIME D@ 20VER D- 2500. D> ?TERMINAL OR UNTIL 2DROP T;
10
11
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CASE (PARTADDR)

1 IS %ENGINE

2 IS %SHIELD

3 IS %ARMOR

4 IS %MISSILE

OTHERS %LASER

HEAD: PARTADDR (line# -- line# addr) T: DUP (PARTADDR) T;

CASE (PTS) 2 IS %SHIELD-CNT 3 IS %ARMOR-CNT OTHERS 0

HEAD: !POINTS (n line# --)

T: (PTS) ?DUP IF ! ELSE DROP THEN T;

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0 ( Ship Configuration .VALUE
1 2V: SALEVALUE
2
3 HEAD: (.VALUE) ( line# partaddr -- )
4 T: DUP 1+ C@ 7 AND ?DUP
5 IF 5 SWAP - 10 * 54 + yBLT !
6 SWAP 1- 10 * OVER 1+ C@ 5 SWAP - 2* + PRICETABLE + @
7 SWAP C@ 105 */ 100 U* 5. DMAX 2DUP SALEVALUE D! 6 D.R
8 ELSE 2DROP 0 0 SALEVALUE D! THEN T;
9
10 HEAD: .VALUE ( line# -- )
11 T: >R @CRS R> >IFONT XORMODE OFF CLRPRICES 55 xBLT ! ?DUP 0=
12 IF 174 yBLT ! %PODS @ ?DUP
13 IF +BIT 500 * 4 .R THEN
14 ELSE PARTADDR (.VALUE)
15 THEN !CRS T;

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0 ( Ship Configuration BUYPOD ?GOTPART
1
2 HEAD: BUYPOD ( -- )
3 T: %PODS @ +BIT 16 < 500. m?BALANCE AND
4 IF mD@BALANCE 500. D- mD!BALANCE BALANCEMESS
5 1 16 0 DO DUP %PODS @ AND 0=
6 IF %PODS +! 500 %CARGO +! LEAVE ELSE 2* THEN
7 LOOP m!TFLAG .PODS ?PODS
8 ELSE 1 0MESS %PODS @ +BIT 16 =
9 IF 1 28 CMESS ." NO CARGO POD BAYS AVAILABLE." !CRS
10 ELSE 0$$$MESS
11 THEN KEY'TIL QUITMESS THEN T;
12
13 HEAD: ?GOTPART ( line# -- f )
14 T: PARTADDR 1+ C@ 7 AND SWAP DROP T;
15

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0 ( Ship Configuration BUYPART
1
2 HEAD: BUYPART ( -- f )
3 T: PRICETABLE #PART @ 1- 10 * + 4 OCRS @ - 2* + @
4 DUP 100 U* m?BALANCE
5 IF mD@BALANCE ROT 100 U* D- mD!BALANCE
6 OCRS @ 1+ #PART @ PARTADDR SWAP DROP 100 OVER C! 1+ C!
7 OCRS @ 500 * #PART @ >R I 3 = 250 * + R) !POINTS
8 .SHIP .CLASS BALANCEMESS m!TFLAG 1
9 ELSE DROP 0$$$MESS XORMODE ON 0 THEN T;
10
11
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13
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27

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( Ship Configuration Buy Ship Parts
HEAD: GET-CLASS ( -- )
T: BEGIN XYSKAN 0=
IF -1 * NCRS +! NCRS @ OCRS @ = NOT NCRS @ 0 5 WITHIN AND
IF BLT 96 NCRS @ DUP OCRS ! 10 * - yBLT ! BLT
ELSE OCRS @ NCRS !
THEN 0
ELSE DROP 1 THEN
?TRIG IF DROP BUYPART THEN UNTIL XORMODE ON FQUIT OFF T;

HEAD: GET-PART ( -- )
T: OCRS @ ?DUP IF DUP #PART ! ?GOTPART
IF 1 0MESS 1 15 CMESS ." DE-EQUIP FIRST." !CRS
KEY'TIL QUITMESS ELSE @CRS 14 96 POS. 29 wBLT !
NCRS OFF OCRS OFF XORMODE ON CRSCOLOR @ !COLOR
BLT GET-CLASS BLT !CRS THEN ELSE BUYPOD THEN T;

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( Ship Configuration Sell Ship Parts
HEAD: SELLPD ( -- )
T: %CARGO @ 499 > %PODS @ AND
IF 1 16 DO
I BIT %PODS @ AND %CARGO @ 499 > *
IF I BIT -1 * %PODS +! 500. mD@BALANCE D+ mD!BALANCE
.PODS ?PODS BALANCEMESS m!TFLAG LEAVE -500 %CARGO +!
THEN
-1 +LOOP
ELSE %PODS @
IF 1 0MESS 1 17 CMESS ." POD IS NOT EMPTY." !CRS
KEY'TIL QUITMESS
THEN
THEN T;

```

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( Ship Configuration Sell Ship Parts
HEAD: PUT-PART ( -- )
T: OCRS @ ?DUP
IF SALEVALUE D@ OR
IF PARTADDR OFF DROP 0 OCRS @ !POINTS
SALEVALUE D@ mD@BALANCE D+ mD!BALANCE m!TFLAG
.SHIP .CLASS BALANCEMESS OCRS @ .VALUE
ELSE DROP THEN
ELSE SELLPD OCRS @ .VALUE THEN T;

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AWK 10/23/85)

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0 ( Ship Configuration Buy Ship Parts
1 V: ?BUY
2
3 HEAD: BUY/SELL-SHIP ( -- )
4 T: QUITMESS BLUE BSFRAME
5 @CRS NCRS OFF @CRS OFF PARTS-CURSOR BLD-CRS 0 ?BUY @
6 IF .PRICE ELSE .VALUE THEN
7 BEGIN XYSKAN 0=
8 IF -1 * NCRS +! PARTS-CURSOR SET-CRS
9 IF @CRS @ ?BUY @ IF .PRICE ELSE .VALUE THEN THEN ?TRIG
10 IF ?BUY @
11 IF GET-PART ELSE PUT-PART THEN
12 THEN
13 ELSE DROP THEN ?QUIT
14 UNTIL >!FONT CLRPRICES BLACK BSFRAME
15 PARTS-CURSOR BLD-CRS !CRS 1 0MESS T;

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0 ( Ship Configuration
1
2 HEAD: REPAIR-COST ( -- d )
3 T: 0 14 0 DO
4 100 %ARMOR I + C@ - %ARMOR I + 1+ C@ 7 AND * +
5 2 +LOOP 90 U* T;
6
7 HEAD: .REPAIR-COST ( d -- )
8 T: >R >R 0 38 CMESS ." COST TO REPAIR ENTIRE SHIP: " R> R> D.
9 ." MU" !CRS T;
10
11 HEAD: ?REPAIR ( d -- f )
12 T: .REPAIR-COST
13 1 33 CMESS ." SHALL WE REPAIR THE SHIP? [N Y]" !CRS Y/N T;
14
15

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32

```

0 ( Ship Configuration
1
2 HEAD: (REPAIR-SHIP) ( d -- )
3 T: @D@BALANCE 2SWAP D- @D!BALANCE @!TFLAG
4 14 0 DO 100 %ARMOR I + C! 2 +LOOP
5 %SHIELD 1+ C@ 7 AND 500 * %SHIELD-CNT !
6 %ARMOR 1+ C@ 7 AND 500 + 250 + %ARMOR-CNT ! T;
7
8 HEAD: REPAIR-SHIP ( -- )
9 T: 0 0MESS 1 0MESS REPAIR-COST 2DUP OR
10 IF 2DUP @?BALANCE
11 IF 2DUP ?REPAIR
12 IF (REPAIR-SHIP) ELSE 2DROP THEN
13 ELSE .REPAIR-COST 1 18 CMESS .0$$$ !CRS KEY'TIL THEN
14 ELSE 2DROP 0 22 CMESS ." NO REPAIRS ARE NEEDED." !CRS
15 KEY'TIL THEN 1 0MESS BALANCEMESS T;

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33

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AWK 05/14/85 ) ( Ship Configuration
AWK 9/21/85 )

HEAD: NAME-SHIP ( -- )
T: 0 0MESS 1 0MESS %NAME C@ ?DUP
IF 19 + 0 SWAP CMESS ." SHIP IS NAMED: ISS " %NAME $. !CRS
1 38 CMESS ." TYPE NEW SHIP NAME: ISS "
ELSE 0 34 CMESS ." TYPE SHIP NAME: ISS "
THEN XORMODE ON 14 #IN$ %NAME $! !CRS
0 0MESS 1 0MESS %NAME C@ 19 +
0 SWAP CMESS ." SHIP IS NAMED: ISS " %NAME $. !CRS KEY'TIL
BALANCEMESS T;

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AWK 10/03/84 ) ( Ship Configuration CONFIG-FUNCTION
AWK 4/22/85 )

HEAD: BUY-SHIP ( -- ) T: ?BUY ON BUY/SELL-SHIP T;
HEAD: SELL-SHIP ( -- ) T: ?BUY OFF BUY/SELL-SHIP T;

CASE CONFIG-FUNCTION
0 IS BUY-SHIP
1 IS SELL-SHIP
2 IS REPAIR-SHIP
3 IS NAME-SHIP
4 IS NOT
OTHERS NOP

```

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AWK 10/23/85 ) ( Ship Configuration User Interface
AWK 10/03/84 )

: (U-CONFIG)
%SHIP >C+S
@INIT-BALANCE
DK-GREEN CRSCOLOR ! @CRS OFF NCRS OFF
>HIDDEN >LORES DARK .CONFIG .CLASS CONFIG-CURSOR BLD-CRS
>DISPLAY SCR-RESTORE
BEGIN
XYSKAN NCRS +! DROP CONFIG-CURSOR SET-CRS DROP ?TRIG
IF 0 @CRS @ CONFIG-FUNCTION ELSE 0 THEN
UNTIL 1 @TRANSACTION ICLOSE ;

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0 ( -----overlay suffix for SHIP-CONFIGURATION----- )
1 DISPOSE
2 CLOSE-OVERLAY
3 84 OVERLAY CONFIG-OV
4 CONFIG-OV
5 FORTH DEFINITIONS
6
7 : U-CONFIG CONFIG-OV CONFIG-VOC (U-CONFIG) ;
8
9 OV-CANCEL
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37

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0
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