



KNIGHT HAWKS QUICK-REFERENCE BOOKLET

Last Revision: 3.27.2007

KNIGHT HAUHS

Fighters		Space St	ations
Hull Points	8	Hull Point	s 20 to 200
ADF	5	ADF	0
MR	5	MR	0
Weapons	3 assault rockets	Weapons	1 to 3 laser batteries, 2 to 12 rocket
Defenses	reflective hull	-	batteries
		Defenses	reflective hull, 1 to 4 masking screen, 2
Assault Sco			to 8 ICMs
Hull Points	15		
ADF	5	Explanat	tion of Terms
MR	4	FF	Forward-firing weapon
Weapons	4 assault rockets, laser battery	мро	Moving Player Only. MPO weapons can be fired
Defenses	reflective hull		only during the attacking player's combat
Derenses			phase.
Evidated		RD	Range Diffusion. The accuracy of RD weapons is
Frigates	10	ND	reduced by 5% x the range to the target.
Hull Points	40	LTD	Limited Supply. A ship can carry only a limited
ADF	3	210	supply of these weapons. They must be marked
MR	3		off the ship's record sheet as they are fired.
Weapons	laser cannon, laser battery, 2 torpedos, 4	Range	# The weapon can be used only against
	rocket batteries	Kange	targets within the listed range of hexes.
Defenses	reflective hull, 1 masking screen, 4 ICMs	Damago	#d10 This is the number of 1 O-sided dice
		Damage	that are rolled to determine how many points of
 Destroyers			damage are caused by a successful attack.
Hull Points	50		damage are caused by a successful attack.
ADF	3	1. 0	
MR	2	1. Player	
Weapons	laser cannon, laser battery, 2 torpedos, 6	a. Mo	vement
	rocket batteries		Player A announces which of his ships are
Defenses	reflective hull, 2 masking screen, 4 ICMs		sing masking screens. A masking screen counter
		IS	placed on top of each of these ship counters.
Heavy Cruis	sers		Ships and space stations in orbit are moved
Hull Points	80	0	ne hex, following the direction of their orbit.
 ADF	1		Player A moves each of his ships, making sure
MR	1		nat no ship moves a longer or shorter distance
Weapons	laser cannon, 3 laser batteries, 4		nan its speed from the previous turn will allow.
	torpedos, 8 rocket batteries		he player writes down each ship's new speed
Defenses	reflective hull, masking screen, 8 ICMs		fter it moves.
	· · · · · · · · · · · · · · · · · · ·	b. Co	
Battleships			The non-moving player (player B, in this case)
Hull Points	120		nnounces which of his ships will shoot at moving
ADF	2		hips, and which weapons they will use. The non-
MR	2		noving player then resolves all of these attacks
Weapons	2 2 laser cannons, 4 laser batteries, 8	ai	nd their effects are applied immediately.
weapons	torpedos, 10 rocket batteries	-	The moving player (player A, in this case)
Defenses	reflective hull, 4 masking screen, 20 ICMs		nnounces which of his ships will shoot at the
Derenses			on-moving player's ships, and which weapons
A secold C			ney will use. He then resolves all of these
Assault Car			ttacks, and their results are applied.
Hull Points	75	2. Side B'	
ADF	2		The steps described above are repeated, but
MR	1		ide B becomes the moving side and Side A
Weapons	2 laser cannons, 6 laser batteries	D	ecomes the non-moving side.
Defenses	reflective hull, masking screen, 8 ICMs		

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COMBAT TABLE

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				Range
ll Screer	n ICM	Damage	Restrictions	(hexes)
<i>%</i> 20%*		2d10	FF, RD	10
<i>/</i> 0%*		1d10	RD	9
6 70%	-10%/ICM	4d10	MPO, LTD	4
60%	-5%/ICM	2d10+4	MPO, LTD, FF	4
6 40%	-3%/ICM	2d10	LTD	3
	% 20%* % 10%* % 70% % 60% % 40%	% 20%* % 10%* % 70% -10%/ICM % 60% -5%/ICM	% 20%* 2d10 % 10%* 1d10 % 70% -10%/ICM 4d10 % 60% -5%/ICM 2d10+4 % 40% -3%/ICM 2d10	% 20%* 2d10 FF, RD % 10%* 1d10 RD % 70% -10%/ICM 4d10 MPO, LTD % 60% -5%/ICM 2d10+4 MPO, LTD, FF % 40% -3%/ICM 2d10 LTD

* The target ship takes only one-half damage (round fractions down) if it is hit.

ADVANCED GAME DAMAGE TABLE D100

Combat Turn Sequence

Side A's Turn

- 1. Movement Phase
 - -- activate screens
 - -- activate and move seekers
 - -- move ships in orbit
 - -- move other ships
- 2. Combat Phase
 - -- roll for fire damage
 - -- defensive fire
 - -- offensive fire

Side B's Turn

- 1. Movement Phase
 - -- activate screens
 - -- activate and move seekers
 - -- move ships in orbit
 - -- move other ships
- 2. Combat Phase
 - -- roll for fire damage
 - -- defensive fire
 - -- offensive fire

Repair Turn

-- after every 3 turns

Abbreviations						
FF	Forward Firing					
RD	Range Diffusion					
MPO	Moving Player Only					
LTD	Limited Supply					
RA	Range					
DTM	Damage Table Modifier					
HDR	Hull Damage Rating					

+DTM Type of Damage ...-10 Hull hit: double normal damage 11-45 Hull hit: normal damage 46-49 Drive hit: lose 1 ADF point 50-52 Drive hit: lose 1/2 total ADF (round up) 53 Drive hit: lose entire ADF 54-58 Steering hit: lose 1 MR point 59-60 Steering hit: lose entire MR Weapon hit: LC, LB, PB, EB, AR, RB 61-62 Weapon hit: PB, EB, LB, RB, T, AR 63-64 Weapon hit: DC, LC, AR, T, LB 65-66 67-68 Weapon hit: T, AR, EB, PB, LB, RB 69-70 Weapon hit: LB, RB, T, AR, PB, EB, LC 71-74 Power short circuit: lose all screens & ICMs 75-77 Defense hit: PS, ES, SS, MS, ICM 78-80 Defense hit: MS, ICM, SS, PS, ES 81-84 Defense hit: ICM, SS, PS, ES, MS Combat Control Systems hit: -10 all attacks 85-91 92-97 Navigation hit: lose maneuvering control 98-105 Electrical fire: roll damage at DTM+20 each turn 106-116 Damage Control hit: DCR cut in half 117... Disastrous fire: -10 on all attacks, lose entire ADF and MR, roll damage at DTM+20 each turn

KNIGHT HAWKS

Ship Type	HP	ADF	MR	DCR	Weapons	Defenses
Fighters	8	4	5	30	ARx3	RH
Assault Scouts	15	5	4	50	ARx4, LB	RH
Frigates	40	4	3	70	LC, RBx4, LB, Tx2	RH, MSx2, ICMx4
Destroyers	50	3	3	75	LC, RBx4, LB, Tx2, EB	RH, MSx2, ICMx5
Minelayers	50	1	2	75	Mx20, Sx4, LBx2	RH, ICMx4
Light Cruisers	70	3	2	100	DC, LB, EB, PB, RBx6, Tx4	RH, ES, SS, ICMx8
Heavy Cruisers	80	2	1	120	DC, LB, EB, PB, RBx6, Tx4	RH, ES, PS, SS, ICMx4
Assault Carrier	75	2	1	150	LB, PB, RBx8, FIGHTERx10	RH, MSx4, ICMx10
Battleship	120	2	2	200	DC, LBx3, PB, EBx2, Sx4, Tx8, RBx10	RH, ES, PS, SS, ICMx12
Space Station	20- 200	0	0	½HP	1 [EB/LB/PB/RB] per 50 HP	RH, All Screens, ICMx[4-24]

ADVANCED COMBAT TABLE

ADVANCED COMDI		ULL													
	N	0	Ref	ect.	Pro	oton	Elec	tron	Sta	isis	Mas	king		Hull	
Weapon	Def	ense	H	ull	Scr	een	Scr	een	Scr	een	Scr	een	ICM	Damage	DTM
LC Laser Cannon	75	60	60	45	75	60	75	60	75	60	25*	10*		2d10	0
LB Laser Battery	65	55	50	40	65	55	65	55	65	55	20*	10*		1d10	0
PB Proton Beam	60	50	60	50	25*	15*	70	60	40	30	50	40		1d10	+10
EB Electron Beam	60	50	60	50	70	60	25*	15*	40	30	50	40		1d10	+10
DC Disruptor Cannon	60	45	60	45	50	35	50	35	40	25	50	35		3d10	+20
T Torpedo	50	45	50	45	50	45	50	45	75	65	50	40	-10/ICM	4d10	-10
AR Assault Rocket	60	50	60	50	60	50	60	50	60	50	60	50	-5/ICM	2d10+4	-10
RB Rocket Battery	40	30	40	30	40	30	40	30	40	30	40	30	-3/ICM	2d10	-20
M Mines	6	50	6	0	6	0	6	0	6	0	6	0	-5/ICM	3d10+5	-20
SM Seeker Missile	7	'5	7	5	7	'5	7	'5	9	0	7	5	-8/ICM	5d10	-20

* Weapon causes half damage (rounded up) on all Hull Hits Blue shaded areas are for use with characters that have gunnery skills.

Hull	Length/			Base
Size	Diameter *	Hatches	Engines	ADF/MF
1	10/2	1	1	5
2	30/5	1	1	4
3	50/8	1	2	4
4	75/12	2	1	4
5	100/15	2	3	3
6	130/20	2	3	3
7	150/25	2	2	3
8	180/30	3	2	3
9	210/35	3	2	3
10	240/40	3	3	3
11	270/45	3	3	3
12	300/50	4	4	3
13	340/55	4	4	3
14	380/60	5	6	3
15	420/70	5	4	2
16	450/75	5	6	2
17	475/80	6	6	2
18	500/85	6	6	2
19	540/90	6	4	2
20	600/100	8	8	2
	ction Center		Cost	
Class I			50,000 Cr x I	
Class II		e	50,000 Cr x I	Hull Size
Class III		7	75,000 Cr x l	Hull Size
Drivo P	rograms			
	Size A		e B	Size C
Engine				
Туре	Lvi (Fi	~	<u> </u>	Lvl (FP)
Chemical	1 (3)		(6)	3 (12)
Ion	3 (12)) 4 ((24)	4 (24)
Atomic	4 (32)	۱ F /	64)	6 (128)

Size A Lvl (FP)	Size B Lvl (FP)	Size C Lvl (FP)
1 (3)	2 (6)	3 (12)
3 (12)	4 (24)	4 (24)
4 (32)	5 (64)	6 (128)
	Lvi (FP) 1 (3) 3 (12)	Lvl (FP) Lvl (FP) 1 (3) 2 (6) 3 (12) 4 (24)

Astrogation Program

		Function	Cost of	Cost of
Ship Type	Level	Points	Equipment	Program
Shuttle	1	3	1,000Cr	3,000Cr
System Ship	2	6	5,000Cr	6,000Cr
Starship	4	24	15,000Cr	24,000Cr
Deluxe	4	24	50,000Cr	24,000Cr

Life Support

Number Supported	Mass (kg) and Function Points	Cost of Equipment	Cost of Program
1-2	3(1)	300 Cr	1,000 Cr
3-6	5 (2)	500 Cr	2,000 Cr
7-12	9 (2)	900 Cr	2,000 Cr
13-20	15 (2)	1,500 Cr	2,000 Cr
21-35	25 (3)	2,500 Cr	3,000 Cr
36-60	50 (3)	5,000 Cr	3,000 Cr
61-100	90 (3)	9,000 Cr	3,000 Cr
101-200	180 (4)	18,000 Cr	4,000 Cr
201-500	300 (4)	30,000 Cr	4,000 Cr
501-1,000	600 (4)	60,000 Cr	4,000 Cr

Engine Costs (price is per engine)

Hull Size	Engine Size	Chemical Drives Any Center	Ion Drives Class I Center	Ion Drives Class I Center	Atomic Drives Class I Center	Atomic Drives Class II Center
1 to 4	A	50,000 Cr	100,000 Cr	150,000 Cr	300,000 Cr	400,000 Cr
5 to 14	В	100,000 Cr	150,000 Cr	200,000 Cr	500,000 Cr	600,000 Cr
15 to 20	С	200,000 Cr	200,000 Cr	not available	750,000 Cr	not available

Programs

FIUgra								
Alarm				mputer ockout		Damage Control		
Level	FP	Cost	FP	Cost	FP	Cost		
1	1	1,000Cr	1	1,000Cr	1	1,000Cr		
2	2	2,000Cr	2	2,000Cr	4	4,000Cr		
3	4	4,000Cr	4	4,000Cr	8	8,000Cr		
4	8	8,000Cr	8	8,000Cr	16	16,000Cr		
5	16	16,000Cr	16	16,000Cr	32	32,000Cr		
6	32	32,000Cr	32	32,000Cr	64	64,000Cr		
Other				Functio	n			
Progra	ms		Leve	el Points	5	Cost		
Mining F	Prog	rams						
Excavat	ion P	rogram	2	4		4,000Cr		
Process	ing P	rogram (OPL)	4	12		12,000Cr		
Process	ing P	rogram (MR)	4	16		16,000Cr		
Agricult	ural	Program						
Agricul	ture	Management	1	3		3,000Cr		
Cargo H	andli	ing Program						
Cargo	Arm I	Management	2	4		4,000Cr		

Other Equipment Cost (Cubic Meters) Communication & Detection Videocom Radio 1,000Cr 2 Videocom Screens 100Cr 0.5 Subspace Radio 20,000Cr 3 Intercom Panel 50Cr 1 Intercom Speaker / Mic 10Cr 0.5 Radar Unit 10,000Cr 5 Energy Sensor 200,000Cr 20 Porthole 50Cr - Camera System 25,000Cr 10 Camera System 25,000Cr 10 Camera System 25,000Cr 10 Camera System 25,000Cr 10 White Noise Broadcast 80,000Cr 10 White Noise Broadcast 80,000Cr 10 WNB (deluxe) 400,000Cr 4 Emergency Equipment Escape Pod 30,000Cr 16 11 Lifeboat 100,000Cr 80 Mining Equipment 500 150 Digger Shuttle 8,000Cr 1,000 Mineral Refinery 200,000Cr 2,000 Agricultural Equipment Seeds 500 Cr			Space
Communication & Detection Videocom Radio 1,000Cr 2 Videocom Screens 100Cr 0.5 Subspace Radio 20,000Cr 3 Intercom Panel 50Cr 1 Intercom Speaker / Mic 10Cr 0.5 Radar Unit 10,000Cr 5 Energy Sensor 200,000Cr 20 Porthole 50Cr - Camera System 25,000Cr 10 Camera System 25,000Cr 10 Camera System 15,000Cr 7 Skin Sensors* 1,000Cr 1 White Noise Broadcast 80,000Cr 10 WNB (deluxe) 400,000Cr 50 Decoy* 10,000Cr 4 Emergency Equipment Escape Pod 30,000Cr Lifeboat 100,000Cr 80 Mining Equipment Solar Collectors 2,000 Agricultural Refinery 200,000Cr 2,000 Agricultural Requipment Seeds 500 Cr 10xHS <t< th=""><th>Other Equipment</th><th>Cost</th><th></th></t<>	Other Equipment	Cost	
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White Noise Broadcast 80,000Cr 10 WNB (deluxe) 400,000Cr 50 Decoy* 10,000Cr 4 Emergency Equipment 10,000Cr 16 Lifeboat 100,000Cr 80 Mining Equipment 80 100,000Cr 16 Digger Shuttle 8,000Cr 150 + Orbital Processing Lab 100,000Cr 1,000 Mineral Refinery 200,000Cr 2,000 Agricultural Equipment Seeds 500 Cr 10xHS Nutrient Solution 1,000 Cr 40xHS Farming Robot 3,000 Cr 2xHS Solar Collectors 4,000 Cr 10xHS Cargo Arms (per pair) 1,000Cr x HS 4xHS Crew Accomodations First Class Cabin 1,000Cr x AS 32 Storage Class Berth 2,000Cr 4 Exploration/Research Equipment 40,000Cr 3 Landing Drone 100,000Cr 25 Laboratory 100,000Cr 25 Laboratory 60	Camera Sys. (half-size)	15,000Cr	7
WNB (deluxe) $400,000$ Cr 50 Decoy* $10,000$ Cr 4 Emergency Equipment $100,000$ Cr 16 Lifeboat $100,000$ Cr 80 Mining Equipment $100,000$ Cr 80 Digger Shuttle $8,000$ Cr 150 +Shuttle $100,000$ Cr $1,000$ Mineral Refinery $200,000$ Cr $2,000$ Agricultural Equipment 500 Cr $10x$ HSNutrient Solution $1,000$ Cr $40x$ HSFarming Robot $3,000$ Cr $2x$ HSSolar Collectors $4,000$ Cr $10x$ HSCargo Arms (per pair) $1,000$ Cr x HS $4x$ HSCrew Accomodations $1,000$ Cr 32 First Class Cabin $1,000$ Cr 32 Storage Class Berth $2,000$ Cr 4 Exploration/Research Equipment $40,000$ Cr 3 Landing Drone $100,000$ Cr 25 Laboratory $100,000$ Cr 60	Skin Sensors*	1,000Cr	1
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Lifeboat 100,000Cr 80 Mining Equipment Digger Shuttle 8,000Cr 150 +Shuttle Orbital Processing Lab 100,000Cr 1,000 Mineral Refinery 200,000Cr 2,000 Agricultural Equipment Seeds 500 Cr 10xHS Nutrient Solution 1,000 Cr 40xHS Farming Robot 3,000 Cr 2xHS Solar Collectors 4,000 Cr 10xHS Cargo Handling Equipment Cargo Arms (per pair) 1,000Cr x HS 4xHS Crew Accomodations First Class Cabin 1,000Cr 72 Journey Class Cabin 1,000Cr 32 Storage Class Berth 2,000Cr 4 Exploration/Research Equipment Atmoprobe 40,000Cr 3 Landing Drone 100,000Cr 25 Laboratory 100,000Cr 60	Emergency Equipment		
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Digger Shuttle 8,000Cr 150 +Shuttle -		100,000Cr	80
+Shuttle Orbital Processing Lab 100,000Cr 1,000 Mineral Refinery 200,000Cr 2,000 Agricultural Equipment 200,000Cr 2,000 Seeds 500 Cr 10xHS Nutrient Solution 1,000 Cr 40xHS Farming Robot 3,000 Cr 2xHS Solar Collectors 4,000 Cr 10xHS Cargo Handling Equipment Cargo Arms (per pair) 1,000Cr x HS 4xHS Crew Accomodations First Class Cabin 1,000Cr 72 Journey Class Cabin 1,000Cr 32 Storage Class Berth 2,000Cr 4 Exploration/Research Equipment 4 Atmoprobe 40,000Cr 3 1 100,000Cr 25 Landing Drone 100,000Cr 25 1 100,000Cr 60	Mining Equipment		
Orbital Processing Lab 100,000Cr 1,000 Mineral Refinery 200,000Cr 2,000 Agricultural Equipment	Digger Shuttle	8,000Cr	150
Mineral Refinery 200,000Cr 2,000 Agricultural Equipment Seeds 500 Cr 10xHS Nutrient Solution 1,000 Cr 40xHS Farming Robot 3,000 Cr 2xHS Solar Collectors 4,000 Cr 10xHS Cargo Handling Equipment Cargo Arms (per pair) 1,000Cr x HS 4xHS Crew Accomodations First Class Cabin 1,000Cr 72 Journey Class Cabin 1,000Cr 32 Storage Class Berth 2,000Cr 4 Exploration/Research Equipment 4 Atmoprobe 40,000Cr 3 Landing Drone 100,000Cr 25 Laboratory 100,000Cr 60 60 60		+Shuttle	
Agricultural Equipment Seeds 500 Cr 10xHS Nutrient Solution 1,000 Cr 40xHS Farming Robot 3,000 Cr 2xHS Solar Collectors 4,000 Cr 10xHS Cargo Handling Equipment 7000 Cr 10xHS Cargo Arms (per pair) 1,000Cr x HS 4xHS Crew Accomodations 72 30urney Class Cabin 1,000Cr 32 Storage Class Berth 2,000Cr 4 4 Exploration/Research Equipment 4 4 Atmoprobe 40,000Cr 3 3 Landing Drone 100,000Cr 25 5	Orbital Processing Lab		1,000
Seeds 500 Cr 10xHS Nutrient Solution 1,000 Cr 40xHS Farming Robot 3,000 Cr 2xHS Solar Collectors 4,000 Cr 10xHS Cargo Handling Equipment 7000 Cr 10xHS Cargo Arms (per pair) 1,000 Cr x HS 4xHS Crew Accomodations 72 30urney Class Cabin 1,000 Cr 32 Storage Class Berth 2,000 Cr 4 4 Exploration/Research Equipment 4 4 Atmoprobe 40,000 Cr 3 3 Landing Drone 100,000 Cr 25 5 Laboratory 100,000 Cr 60 60	Mineral Refinery	200,000Cr	2,000
Nutrient Solution 1,000 Cr 40xHS Farming Robot 3,000 Cr 2xHS Solar Collectors 4,000 Cr 10xHS Cargo Handling Equipment 7 Cargo Arms (per pair) 1,000Cr x HS 4xHS Crew Accomodations 72 First Class Cabin 1,000Cr 32 Storage Class Berth 2,000Cr 4 Exploration/Research Equipment 4 Atmoprobe 40,000Cr 3 Landing Drone 100,000Cr 25 Laboratory 100,000Cr 60	Agricultural Equipment		
Farming Robot3,000 Cr2xHSSolar Collectors4,000 Cr10xHSCargo Handling EquipmentCargo Arms (per pair)1,000Cr x HS4xHSCrew AccomodationsFirst Class Cabin1,000Cr72Journey Class Cabin1,000Cr32Storage Class Berth2,000Cr4Exploration/Research Equipment4tmoprobe40,000CrAtmoprobe100,000Cr25Landing Drone100,000Cr60	Seeds	500 Cr	10xHS
Solar Collectors4,000 Cr10xHSCargo Handling EquipmentCargo Arms (per pair)1,000Cr x HS4xHSCrew AccomodationsFirst Class Cabin1,000Cr72Journey Class Cabin1,000Cr32Storage Class Berth2,000Cr4Exploration/Research EquipmentAtmoprobe40,000Cr3Landing Drone100,000Cr25Laboratory100,000Cr60	Nutrient Solution		40xHS
Cargo Handling EquipmentCargo Arms (per pair)1,000Cr x HS4xHSCrew Accomodations72First Class Cabin1,000Cr32Storage Class Berth2,000Cr4Exploration/Research Equipment72Atmoprobe40,000Cr3Landing Drone100,000Cr25Laboratory100,000Cr60		3,000 Cr	2xHS
Cargo Arms (per pair)1,000Cr x HS4xHSCrew AccomodationsFirst Class Cabin1,000Cr72Journey Class Cabin1,000Cr32Storage Class Berth2,000Cr4Exploration/Research EquipmentAtmoprobe40,000Cr3Landing Drone100,000Cr25Laboratory100,000Cr60	Solar Collectors	4,000 Cr	10xHS
Crew AccomodationsFirst Class Cabin1,000Cr72Journey Class Cabin1,000Cr32Storage Class Berth2,000Cr4Exploration/Research EquipmentAtmoprobe40,000Cr3Landing Drone100,000Cr25Laboratory100,000Cr60	Cargo Handling Equipm		
First Class Cabin 1,000Cr 72 Journey Class Cabin 1,000Cr 32 Storage Class Berth 2,000Cr 4 Exploration/Research Equipment 4 Atmoprobe 40,000Cr 3 Landing Drone 100,000Cr 25 Laboratory 100,000Cr 60	Cargo Arms (per pair)	1,000Cr x HS	4xHS
Journey Class Cabin 1,000Cr 32 Storage Class Berth 2,000Cr 4 Exploration/Research Equipment Atmoprobe 40,000Cr 3 Landing Drone 100,000Cr 25 Laboratory 100,000Cr 60	Crew Accomodations		
Storage Class Berth2,000Cr4Exploration/Research EquipmentAtmoprobe40,000Cr3Landing Drone100,000Cr25Laboratory100,000Cr60	First Class Cabin	1,000Cr	72
Exploration/Research EquipmentAtmoprobe40,000CrLanding Drone100,000CrLaboratory100,000Cr60	Journey Class Cabin	1,000Cr	32
Atmoprobe 40,000Cr 3 Landing Drone 100,000Cr 25 Laboratory 100,000Cr 60			4
Landing Drone 100,000Cr 25 Laboratory 100,000Cr 60	Exploration/Research E	quipment	
Laboratory 100,000Cr 60	Atmoprobe		3
	Landing Drone		25
Remote Probe 100,000Cr 25	Laboratory		60
	Remote Probe	100,000Cr	25

KNIGHT HAWKS

		MIN		Cubic
Weapon	Cost	HS	Avail	Meter
Laser Cannon	15,000Cr	5	I,II	40
Laser Battery	10,000Cr	3	I,II	25
Proton Battery	15,000Cr	10	I	30
Electron Battery	15,000Cr	6	Ι	30
Disruptor Cannon	30,000Cr	12	I	60
Assault Rocket Launcher	20,000Cr	1	I,II	10
Assault Rocket (max HS 4)	10,000Cr	-	-	10
Rocket Battery Array	40,000Cr	5	I	40
Rocket Salvo	5,000Cr	-	-	10
Torpedo Launcher	40,000Cr	5	I	75
Torpedo	20,000Cr	-	-	20
Mine Spreader	50,000Cr	7	Ι	60
Mines	25,000Cr	-	-	20
Seeker Missile Rack	40,000Cr	7	I	40
Seeker Missile	30,000Cr	-	-	40
Grapples	25,000Cr	5	Ι	60
Laser Pod	8,000Cr	1	I,II	10
	Program F			
Weapon Programs	Level	Point		Cost
Laser Cannon	1	3		000Cr
Laser Battery	1	4		000Cr
Proton Beam Battery	2	8		000Cr
Electron Beam Battery	2	6	6,	000Cr
Disruptor Beam Cannon	2	8	8,	000Cr
Assault Rocket	1	4	4,	000Cr
Rocket Battery	2	6		000Cr
Torpedo	1	3		000Cr
Mines	1	1		000Cr
Seeker Missile	3	9		000Cr
Laser Pod	1	3		000Cr

Defense		мис	Aveil	Cubic
Defense	Cost (Cr)		Avail	Meters
Reflective Hull	500 Cr*	1	I,II,III	
Masking Screen				
Launcher	10,000 Cr	4	I,II,III	10
Charge	1,000 Cr*	4	I,II,III	25
Electron Screen	2,000 Cr*	10	I	10xHS
Proton Screen	4,000 Cr*	12	Ι	12xHS
Stasis Screen	3,000 Cr*	10	Ι	10xHS
ICM Launcher	20,000 Cr	5	I,II	10
ICM	2,000 Cr	-	-	5
Program Function				
Defense Program	s Level	Po	oints	Cost
Reflective Hull	NA		NA	
Masking Screen	NA		NA	
Electron Screen	2		6	6,000Cr
Proton Screen	2		8	8,000Cr
Stasis Screen	3		12	12,000Cr
Interceptor Missile	3		12	12,000Cr

 \ast Multiply these costs times the ships Hull Size.

SPACE STATION TYPE CHART

Station Type	Ship Types
Type 1	1-6
Type 2	1-10
Type 3	1-14
Type 4	1-18
Type 5	Any
Type 6	Any

CONSTRUCTION CENTER LOCATION CHART

System (Planet)	Center Class	# of Type VI Hulls
Araks (Hentz)	Class II	3
Cassidine (Rupert's Hole)	Class III	1
Cassidine (Triad)	Class I	6
Dramune (Outer Reach)	Class III	1
Fromeltar (Terledrom)	Class II	4
Prenglar (Gran Quivera)	Class I	8
Theseus (Minotaur)	Class II	3
Truane's Star (Pale)	Class III	1
White Light (Gollywog)	Class III	1

STARSHIP BREAKDOWN CHART

		Repair Time
Roll	Breakdown	(Days)
2	Reactor meltdown; engines will	No repair
	explode in 1d10 minutes, must repair or be jettisoned.	possible
3	Life support failure; characters must wear spacesuits until repaired.	1d10
4	Radar failure.	1d10
5	Drive program falters, all	1d10 per
	engines shut down.	engine
6-7	One engine hyper-ignites; replace fuel pellet.	standard
8	Astrogation program fails, no jumps possible until repaired.	2d10
9-10	Computer burnout, cannot use drives or life support until repaired.	2d10
11-12	Communication system failure.	1d10
13	Maneuver jets clogged, lose entire MR.	1d10
14-15	Short circuit causes fire; roll on damage table with +20 modifier. DCR every 10 minutes until repaired.	DCR
16-20	Collision with meteor, roll on damage table with -20 modifier.	DCR*
16-20	damage table with +20 modifier. DCR every 10 minutes until repaired. Collision with meteor, roll on	DCF

* Any failed repair roll (not just 99 or 00) means that the damage must be repaired at an SCC.

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KNIGHT HAWKS

	Spaceship Skill
	Piloting
	Astrogation
	Engineering
I	Rocket Weapons
	Energy Weapons

Basic Skill Level Required Technician 6, Computer 2 Computer 6 Technician 4, Robotics 2 Projectile Weapons 4, Gyrojet Weapons 2 Beam Weapons 6

SPACESHIP SKILL COST CHART

	Piloting	Astrogation	Engineering	Gunnery
Level 1	10	8	8	6
Level 2	20	16	16	12
Level 3	40	36	36	20
Level 4	70	60	60	30
Level 5	100	80	80	50
Level 6	150	120	120	75

Pilot's Level	Ship Types Qualified to Pilot
1	System Ships of all sizes
2	Starships of hull size 3 or smaller
3	Starships of hull size 6 or smaller
4	Starships of hull size 12 or smaller
5	Starships of hull size 15 or smaller
6	All starships

Engineer's Level	Ship Qualified to Design
1	Shuttles of all types
2	System ships of all types
3	Starships of hull size 3 or smaller
4	Starships of hull size 6 or smaller
5	Starships of hull size 15 or smaller
6	Starships of all sizes

GUNNERY SKILL COVERAGE CHART		
Skill	Weapons Covered	
Energy Weapons	Laser Cannons,	
	Laser Batteries,	
	Proton Beam Batteries,	
	Electron Beam Batteries,	
	Disruptor Beam Cannons	
Rocket Weapons	Torpedoes,	
	Assault Rockets,	
	Rocket Batteries	

SPACESHIP SKILL SUMMARY CHART

Skill	Success Rate
Piloting Skills	
Evasion	Modifier +3% per level
Increase Accuracy	Modifier +5% per level (to FF weapons only)
Increase Maneuverability	70% + level
Astrogation Skills	
Plot Interstellar Jumps	100%
Risk Jumping	10%xlevel + 10% per hour
Find Location	30% + level
Chart New Routes	50% + level – 5%xLYs
Engineering Skills	
Ship Design	100%
Damage Control	Modifier +10% per level
Stress Analysis	Modifier -5% per level to breakup chance
Gunnery Skills	
Energy Weapons	
Improve Accuracy	Modifier: +5% per level
Selective Targeting	Modifier -30%
Rocket Weapons	
Improve Accuracy	Modifier: +5% per level
Selective Targeting	Modifier -30%

SPACESUITS & ACCESSORIES

Item	Cost
Spacesuit (except Vrusk)	1,000Cr
Spacesuit (Vrusk)	1,500Cr
Spacesuit Life Support Refill	50Cr
Spacesuit Armor	1,000Cr
Rocket Pack (no fuel)	2,000Cr
Rocket Pack Fuel	50Cr
Magnetic Shoes (pair)	100Cr
Velcro Boots	50Cr
Additional Life Support Pack	500Cr
Extra Patches (2)	50Cr

TOOLS

Item	Cost
Engineer's Toolbox	2,500Cr
Laser Powertorch	5,000Cr
Laser Powertorch Powerpack	500Cr

SPACE VEHICLES

		Cubic
Item	Cost	Meters
Launch (4 passengers)	75,000Cr	20
Launch (10 passengers)	100,000Cr	50
Workpod	75,000Cr	30

SPACEFLEET RANK TABLE

Rank	Experience Points Needed	Daily Pay (Cr)
Junior Lt.	Graduate from Academy	75
Lieutenant	50	100
Fleet Lt.	100	140
Commander	150	180
Space Commander	200	250
Commodore	250	300
Rear Admiral	350	350
Admiral	500	400
Fleet Admiral	1,000	500

CHARACTER WAGES FOR SPACESHIP SKILLS

	SKILL LEVEL					
Skill	1	2	3	4	5	6
Piloting	150	175	200	225	250	300
Astrogation	120	140	160	180	210	240
Engineering	120	140	160	180	210	240
Rocket Weapons	100	120	150	175	200	225
Energy Weapons	100	120	150	175	200	225
Wages are in Credits Per Day						

Crew Sk	ill Summary
Pilot:	Evasion = -3%xSkill Level Improve FF Accuracy = +5%xSkill Level Increase MR = 5%xSkill Level per turn
Gunner	Increase Accuracy = 5%xSkill Level
Engineer	Damage Control=DCR+10%xSkill Level Stress Analysis = -5%xSkill Level

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WORKPOD FREQUENCY CHART

Ship Type	Likelihood of Pod aboard
Agriculture Ship	80% (25%)
Exploration Ship	50%
Freighter	80% (50%)
Militia Vessel	60%
Mining Ship	95% (80%)
Pirate Vessel	40% (5%)
Scientific Research Ship	95% (50%)
Space Station	100%*
Spaceliner	15%

* Space stations have 1d10 workpods

LAUNCH MALFUNCTION CHART

Die	
Roll	Occurrence
1-6 7-9	Engines fail to start, begin procedure again
7-9	Engines start but begin to sputter; land immediately within 10km of launch site.
0	Engines work for 2d10 turns and suddenly fail; bail out before ship crashes!*

* A ship that crashes is demolished.

SPACESUIT PUNCTURE DIAMETER CHART

	Diameter of	Auto-
Weapon	puncture (cm)	seal
Electrostunner	0	
Pistol bullet	1	100%
Needler weapon	1	100%
Fragmentation grenade	2 (=d10 holes)	75%
Gyrojet pistol	2	75%
Laser pistol	2	75%
Laser rifle	2	75%
Machine gun bullet	2	75%
Rifle bullet	2	75%
Gyrojet rifle	3	50%
Heavy laser	3	50%
Laser powertorch	3	50%
Knife	1d5	varies
Sword	1d5+2	varies
Spear	1d10	varies
Vibroknife	1d10	varies
Electric Sword	1d10+2	varies

CASTAWAY SURVIVAL CHART

Character is in:	Modifier to Survival Roll
Spacesuit Armor	+10%
Launch	+20%
Escape Pod	+20%
Lifeboat	+25%
Work Pod	+30%

STRUCTURAL POINTS OF SPACESHIPS CHART

Ship System	Structural
Component	Points
Hatch	200+1d100
Hull Sections	200+2d100
Control Panel	100+1d100
Battery Weapon	300+2d100
Cannon	500+2d100
Engine (Size A)	2d10x100
Engine (Size B)	5d10x100
Engine (Size C)	5d10x200

WEAPONS VS. ARMOR CHART

Weapon type	Effect of Armor
Axe, Knife, Club, etc.	Cannot penetrate armor
Gas Grenades	Cannot penetrate armor
Needlers	Cannot penetrate armor
Sonic Weapons	Cannot penetrate armor
Spear, Sword	70% protection
Bullets	65% protection
Laser Weapons	50% protection
Fragmentation Grenades	35% protection
Gyrojet Rockets	35% protection
Electric Sword	30% protection
Vibroknife	25% protection
Electrostunner	Full penetration
Shock Gloves	Full penetration
Stunstick	Full penetration
Tangler Grenade	Full penetration

SPACESHIP SECURITY CHART

Ship Type	Lock Level	Security System and Level
Spacefleet (1-14)	5	Heat Sensitive (5)
Spacefleet (15-20)	6	Heat Sensitive (5)
Militia	4	Sound Sensitive (3)
Pirate	5	Video (4)
Spaceliner (6-12)	3	Sound Sensitive (3)
Spaceliner (13-15)	5	Video (4)
Freighter	4	Sound Sensitive (3)
Shuttle	2	Mechanical (1)
Research Ships	2	Pressure Sensitive (2)
Agriculture Ships	1	Mechanical (1)
Mining (8-12)	5	Video (4)
Mining (13-20)	6	Heat Sensitive (5)
Exploration	3	Sound Sensitive (3)

AVERAGE NPC LEVELS

Organization	Pilot	Gunner	Engineer
UPF Spacefleet	4	3	4
Sathar Attack Vessels	2	1	1
Pirate and Planetary Militia Ships	3	2	2
Civilian Ships	4	0	3

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SPACELINER BOOKINGS CHART

	Destination Population			
Start Pop.	Heavy	Moderate	Light	Outpost
Heavy	80+2d10	70+3d10	60+4d10	10+4d10
Moderate	60+4d10	60+4d10	40+3d10	10+3d10
Light	40+6d10	30+6d10	20+4d10	10+1d10
Outpost	20+8d10	20+4d10	20+2d10	0+1d10

SPACELINER HAZARDS CHART

Roll	Hazard
01-02	Hijacking attempt by passengers
03	Pirates attack
04-05	Drive problems; repairs will take (2d10-engineer's skill level) days.
06	Renegade Sathar Frigate
07-00	Safe and pleasant voyage.

CARGO ACQUIRED AT INDUSTRIAL CENTERS

Roll	Type of Cargo	At Source	At Destination
01-07	Air Cars	20,000Cr	45,000Cr
08-16	Chemicals*	20,000Cr	40,000Cr
17-23	Computers*	60,000Cr	120,000Cr
24-27	Drones	35,000Cr	90,000Cr
28-30	Explorers	40,000Cr	100,000Cr
31-38	Farming Equipment	20,000Cr	35,000Cr
39-46	Generators	30,000Cr	80,000Cr
47-51	Ground Cars	20,000Cr	40,000Cr
52-54	Hand Weapons*	80,000Cr	120,000Cr
55-59	Hovercraft	30,000Cr	50,000Cr
	Jetcopters	30,000Cr	75,000Cr
	Lab Equipment	30,000Cr	75,000Cr
71-75	Medical Equipment	50,000Cr	75,000Cr
76-78	Parabatteries	25,000Cr	70,000Cr
79-87	Plastics	15,000Cr	25,000Cr
	Robots*	40,000Cr	100,000Cr
93-96	Ship Drives*	50,000Cr	80,000Cr
97-00	Tools	25,000Cr	40,000Cr

CARGO ACQUIRED AT RESOURCE CENTERS

Dell	Tune of Course		
Roll	Type of Cargo	At Source	At Destination
01-07	Aluminum	50,000Cr	70,000Cr
08-11	Copper	15,000Cr	25,000Cr
12-13	Diamonds*	400,000Cr	600,000Cr
14-18	Gold*	200,000Cr	300,000Cr
19-28	Iron	20,000Cr	25,000Cr
29-33	Magnesium*	70,000Cr	100,000Cr
34-36	Mercury	40,000Cr	75,000Cr
37-39	Molybdenum	60,000Cr	75,000Cr
40-42	Nickel	40,000Cr	55,000Cr
43-44	Platinum*	80,000Cr	120,000Cr
45-46	Plutonium*	100,000Cr	150,000Cr
47-54	Quartz Crystals	40,000Cr	60,000Cr
55-56	Rubies*	250,000Cr	400,000Cr
57-66	Salt	20,000Cr	30,000Cr
67-70	Silver*	80,000Cr	120,000Cr
71-74	Titanium*	75,000Cr	100,000Cr
75-77	Tungsten	50,000Cr	75,000Cr
78-80	Uranium*	100,000Cr	150,000Cr
81-82	Vanadium	80,000Cr	100,000Cr
83-96	Water / Ice	30,000Cr	40,000Cr
97-00	Zircon	30,000Cr	45,000Cr

* This cargo is "high risk" material; see Risks.

FREIGHTER HAZARD CHART Roll Hazard Encountered

- 01-02 Attacked by pirates in frigate or two assault scouts
 - 03 Crew mutinies unless captain passes Leadership check
- 04-05 Drive trouble; engineer needs 1d10 days to repair
- 06-08 Searched and harassed by local militia at destination
- 09-00 Save and uneventful voyage

MINERAL PRESENCE TABLE

Roll	Minable Resources
1-5	1
6-8	2
9-10	3

RAW MATERIAL CHART (MINERAL MINING)

			- /
Roll	Material	Ore/Unit	Process Time
01-10	Aluminum	4,000	4d10
11-18	Copper	1,500	1d10
19	Diamonds	20,000	12d10
20	Emeralds	25,000	14d10
21	Gold	1,000	2d10
22-36	Iron	1,000	1d10
37-43	Magnesium	5,000	4d10
44-48	Mercury	500	2d10
49-53	Molybdenum	4,000	5d10
54-59	Nickel	4,000	3d10
60-65	Platinum	3,000	4d10
66-67	Plutonium	2,000	4d10
68-75	Quartz Crystals	1,500	2d10
76-77	Rubies	25,000	12d10
78-79	Silver	1,000	2d10
80-87	Titanium*	8,000	6d10
88-90	Tungsten	4,000	2d10
91-92	Uranium*	1,500	3d10
93-94	Vanadium	5,000	2d10
95-00	Zircon	2,000	5d10

MINING HAZARD TABLE

Roll	Hazard		
01-04	Pirates – One frigate or two assault scouts		
	are used to attack the operation in an		
	attempt to steal the concentrate.		
05 10	Corporate thugs Either Street Corp. or the		

- 05-10 Corporate thugs Either Streel Corp. or the PGC sends two assault scouts with armed landing parties to disrupt the operation
- 11-19 Processing plant breakdown technician needs 2d10 days minus skill level to repair
- 20-30 Wildcatters independent miners set up an operation nearby; they will fight if their work is interfered with.
- 31-00 No event this week.

