

HALIFAX CLASS COMBAT SYSTEMS (HCCS)

APPENDIX 2

HCCS EQUIPMENT GROUP LIST

20 March 2019

Table 1: High-Level HCCS EG Listing							
System Name	ERN	Sub-System	NSN	OEM	Support Locations	In Scope	Out of Scope
NSC 26 Nav Radar	59-113-000			Raytheon	All ships, NESTR(A), NESTR(P), CSTC	x	
	59-113-000	Reference System		Raytheon	FMFCS, FMFCB	x	
	59-113-000	Operating Environment SW/HW		Raytheon	All ships, NESTR(A), NESTR(P), CSTC, FMFCS, FMFCB	x	
	TBD	NAV Radar Test Rack		Raytheon	FMFCB, FMFCS	x	
	TBD	Nav X Radar Stimulator		Raytheon	CSSC(E)	x	
	TBD	Nav S Radar Stimulator		Raytheon	CSSC(E)	x	
3D - Smart-S	59-155-000			Thales	All ships, CSTC	x	
	59-155-000	Reference System		Thales	FMFCS, FMFCB	x	
	59-155-000	Operating Environment SW/HW		Thales	All ships, CSTC, FMFCS, FMFCB	x	
	TBD	3D Radar emulator		Thales	CSSC(E)	x	
FCS - CEROS	70-396-000			SAAB	All ships, CSTC	x	
	70-396-000	Reference System (Being Procured)		SAAB	FMFCB, FMFCS	x	
	70-396-000	Operating Environment SW/HW		SAAB	All ships, CSTC, FMFCB, FMFCS	x	
FCS - CEROS	TBD	FCS A Director Stimulator		Textron	CSSC(E)	x	
	TBD	FCS B Director		Textron	CSSC(E)	x	

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System Name	ERN	Sub-System	NSN	OEM	Support Locations	In Scope	Out of Scope
		Stimulator					
IFF	59-179-000			Telephonics	All ships, CSTC	x	
	59-179-000	Reference System		Telephonics	FMFCS, FMFCB	x	
	59-179-000	Operating Environment SW/HW		Telephonics	All ships, CSTC, FMFCS, FMFCB	x	
	59-750-000	SG-180 IFF antenna		BAE	All ships, CSTC	x	
	TBD	IFF stimulator		Viasat	CSSC(E)	x	
2D - SG180	59-165-000			SAAB	All ships, CSTC	x	
	59-165-000	Operating Environment SW/HW		SAAB	All ships, CSTC	x	
	TBD	2D Stimulator		SAAB	CSSC(E)	x	
2D – SG-AMB	TBD	(Replacing SG-180 AE)		SAAB	All ships, CSTC	x	
	TBD	Operating Environment SW/HW		SAAB	All ships, CSTC	x	
	TBD	SG-AMB Emulator		SAAB	CSSC(E)	x	

Table 2: HCCS EG Family Tree

System Name	ERN/Sub-ERN	Sub-System
NSC 26 Nav Radar	59-113-000	
	59-113-A00	NSC 26 Radar, X-Band
	59-113-AA0	Antenna Pedestal, X-Band
	59-113-AB0	Antenna Array 8 Ft, X-Band
	59-113-AC0	Transmitter Receiver (MTR), X-Band
	59-113-B00	NSC 26 Radar, S-Band
	59-113-BA0	Antenna Pedestal, S-Band
	59-113-BB0	Antenna Array 8 Ft, S-Band
	59-113-BC0	Transmitter Receiver (MTR), S-Band
	59-113-C00	Radar NSC 26" TFT-DS Console
	59-113-CA0	Computer Radar Data
	59-113-D00	External Interswitch
3D - Smart-S	59-155-000	
	59-155-A00	Antenna Assembly
	59-155-B00	Drive Control Cooling Cabinet
	59-155-C00	Signal Processing Cabinet
	59-155-D00	Waveguide Dryer
	59-155-E00	Man Aloft Switch
	59-155-F00	Liquid Filtration Unit
FCS - CEROS	70-396-000	
	70-396-001	FCS FWD
	70-396-A01	FCS Cabinet FWD
	70-396-B00	Hydraulic Pump Unit
	70-396-C00	Dry Air Unit
	70-396-D00	Fire Control Director
	70-396-DA0	TV Camera
	70-396-DB0	IR Camera
	70-396-DC0	Laser Range Finder
	70-396-E00	FCS Man Aloft Switch
	70-396-002	FCS AFT

Table 2: HCCS EG Family Tree

System Name	ERN/Sub-ERN	Sub-System
	70-396-A02	FCS Cabinet AFT
	70-396-B00	Hydraulic Pump Unit
	70-396-C00	Dry Air Unit
	70-396-D00	Fire Control Director
	70-396-DA0	TV Camera
	70-396-DB0	IR Camera
	70-396-DC0	Laser Range Finder
	70-396-E00	FCS Man Aloft Switch
	70-396-X00	FCS Maintenance Test Equipment Group
IFF	59-179-000	
	59-179-A00	IFF System Cabinet
	59-179-AA0	IFF Interrogator
	59-179-AD0	Control Box
	59-179-AE0	Mission/IFF Computer
	59-179-AF0	Transponder
	59-750-000	Antenna
	59-770-000	Antenna
	62-304-000	Communications Module
	62-305-000	Communications Module
2D - SG180	59-165-000	
	59-165-A00	Power Distribution Unit
	59-165-B00	SDPU
	59-165-C00	Transceiver Unit
	59-165-D00	Control Panel
	59-165-X00	Support and Test Equipment
	59-A03-000	Antenna Group
	59-A03-A00	Antenna
	59-A03-B00	Control Indicator
	59-A03-C00	Base Antenna Support
	59-A04-000	Cooler Fluid Electronic Equipment

Table 2: HCCS EG Family Tree		
System Name	ERN/Sub-ERN	Sub-System
	59-A05-000	Rotary Switch
2D – SG-AMB	TBD	(Replacing SG-180 AE)