

# Warnings, Cautions, Advisories and Annunciations Table for the United States Coast Guard (USCG) MH-65E Avionics Phase 3 Upgrade

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**Rockwell Collins**

Contract Number: HSCG23-17-C-AHH004

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Warnings, Cautions, Advisories and Annunciations Table for the US Coast Guard (USCG) MH-65E Avionics  
Phase 3 Upgrade

**REVISION HISTORY**

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946-1633-002	Rev –

## Table of Contents

Document Overview .....	4
-------------------------	---

## Table of Tables

Table 1: MH-65E Warnings .....	5
Table 2: MH-65E Cautions .....	8
Table 3: MH-65E Advisories.....	18
Table 4: MH-65E Annunciations.....	29

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946-1633-002	Rev –	

## Document Overview

This document is comprised of Table 1: MH-65E Warnings, Table 2: MH-65E Cautions, Table 3: MH-65E Advisories, and Table 4: MH-65E Annunciations.

The following conventions are used in Table 1, Table 2, and Table 3 (MFD warnings, cautions, and advisories):

- The “Ack Type” column indicates how the message output parameter is set and reset. A “1” indicates that the output parameter is set and reset when the conditions are satisfied and dissatisfied. A “2” indicates that the output parameter is set when the associated conditions are satisfied, but not reset until the associated “\_Acknowledge” parameter is set to “acknowledged”. A “3” indicates the output parameter is set and reset as a type 1 parameter and the associated advisory parameters are OR’d to generate the message output parameter.
- The “Ack Req’d” column indicates the acknowledged state of each WCA upon activation. A “Yes” indicates the WCA activates in an unacknowledged state. A “No” indicates the WCA activates in an acknowledged state.

The following conventions are used in Table 4 (CDU annunciations only):

- The “Ack Type” column indicates how the message output parameter is set and reset. A “1” indicates that the output parameter is set when the associated conditions are satisfied, but not reset until the associated “\_Acknowledge” parameter is set to “acknowledged”. A “2” indicates that the output parameter is set when the conditions are satisfied and the output parameter is reset when the conditions are dissatisfied OR when the associated “\_Acknowledge” parameter is set to “acknowledged”. A “3” indicates that the output parameter is set and reset when the conditions are satisfied and dissatisfied.

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946-1633-002	Rev –	

Table 1: MH-65E Warnings

65E Type	65E Text	PRIORITY	Text Length	Trigger Conditions	Ack Req'd	Ack Type	Primary Location	Secondary Location	CDU Location	CHECK EICAS WCA	Set Time	Reset Time	Primary Source to EICAS	Condition
Warning	***MAINTENANCE WARN***	1	22	2minute OEI time >10 minutes or 30 second OEI time > 30 sec or if any of the TOT resistor values are equal to their default blank values.	No	1	NA	NA	TDL 1/2	NA	0.2 sec	0.2 sec	NA	SEL.DECU_Engine1_2min_OEI_Maint SEL.DECU_Engine2_2min_OEI_Maint SEL.DECU_Engine1_30sec_OEI_Maint SEL.DECU_Engine2_30sec_OEI_Maint SEL.CDU_DM_TOT_Config_Maint
Warning	ENG1 OUT(red X)	2	15	Flameout bit for engine 1.	No	1	EICAS Page	NA	NA	NA	0.2 sec	0.2 sec	CDU I/O	SEL.DECU_Engine1_Flameout
Warning	ENG2 OUT(red X)	3	15	Flameout bit for engine 2.	No	1	EICAS Page	NA	NA	NA	0.2 sec	0.2 sec	CDU I/O	SEL.DECU_Engine2_Flameout
Warning	ENG 1 FUEL P	4	12	When engine fuel pressure is less than 8.4 psi.	Yes	1	EICAS Left Column	NA	NA	NA	0.5 sec	1.0 sec	CDU I/O	SEL.DCS.Fuel_Pressure_Low_No_1=Active
Warning	ENG 2 FUEL P	5	12	When engine fuel pressure is less than 8.4 psi.	Yes	1	EICAS Right Column	NA	NA	NA	0.5 sec	1.0 sec	CDU I/O	SEL.DCS.Fuel_Pressure_Low_No_2=Active
Warning	ENG 1 OIL P	6	11	When oil pressure is below the 25 psi minimum.	Yes	1	EICAS Left Column	NA	TDL 1/2	NA	2.0 sec	1.0 sec	CDU I/O	SEL.DCS.Engine_1_Oil_Pressure_Low=Active
Warning	ENG 2 OIL P	7	11	When oil pressure is below the 25 psi minimum.	Yes	1	EICAS Right Column	NA	TDL 1/2	NA	2.0 sec	1.0 sec	CDU I/O	SEL.DCS.Engine_2_Oil_Pressure_Low=Active
Warning	ENG 1 OIL TEMP	8	14	#1 engine oil temp is high (> 115 °C).	Yes	1	EICAS Left Column	NA	NA	NA	2.0 sec	2.0 sec	CDU I/O	SEL.DCS.Engine1_EOT_High=Active
Warning	ENG 2 OIL TEMP	9	14	#2 engine oil temp is high (> 115 °C).	Yes	1	EICAS Right Column	NA	NA	NA	2.0 sec	2.0 sec	CDU I/O	SEL.DCS.Engine2_EOT_High=Active
Warning	MGB OIL P	10	9	When a minimum of 9 (±1) psi is detected at the oil filter outlet.	Yes	1	EICAS Center Column	NA	TDL 1/2	NA	0.2 sec	1.0 sec	CDU I/O	SEL.DCS.Main_Gearbox_Pressure_Low=Active
Warning	MGB OIL TEMP	11	12	MGB oil exceeds the maximum allowable temperature of 120 degrees C.	Yes	1	EICAS Center Column	NA	NA	NA	0.2 sec	1.0 sec	CDU I/O	SEL.DCS.Main_Gearbox_Temp_High = Active
Warning	ENG 1 CHIP	12	10	When Ferrous particles detected in engine oil system.	Yes	1	EICAS Left Column	NA	TDL 1/2	NA	0.2 sec	1.0 sec	CDU I/O	SEL.DCS.Engine_1_Chip = Active
Warning	ENG 2 CHIP	13	10	When Ferrous particles detected in engine oil system.	Yes	1	EICAS Right Column	NA	TDL 1/2	NA	0.2 sec	1.0 sec	CDU I/O	SEL.DCS.Engine_2_Chip = Active
Warning	MGB CHIP	14	8	When metal contamination of the oil is detected in the Main Gear Box.	Yes	1	EICAS Center Column	NA	TDL 1/2	NA	0.2 sec	1.0 sec	CDU I/O	SEL.DCS.Main_Gearbox_Chip=Active

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Warning	TGB CHIP	15	8	When metal contamination of the oil is detected in the Tail Gear Box.	Yes	1	EICAS Center Column	NA	TDL 1/2	NA	0.2 sec	1.0 sec	CDU I/O	SEL.DCS.Tail_Gearbox_Chip=Active
Warning	DIF N1	16	6	When the FADEC detects between the 2 engines a N1 difference greater than 6% or a torque difference greater than 37.57 mdaN. (= 49% torque on ARINC torque label 053). Detection is done using the cross-talk between both DECU's.	Yes	1	EICAS Center Column	NA	NA	NA	0.2 sec	0.2 sec	CDU I/O	SEL.DCS.DIFF_N1=Active or SEL.DECU.DIFF_N1=Active
Warning	FEED TANK 1	17	11	When the fuel level in the No. 1 feed tank drops below approximately 37 lbs of usable fuel.	Yes	1	EICAS Left Column	NA	NA	NA	0.2 sec	0.2 sec	CDU I/O	SEL.DCS.Feed_Tank1_Low=Active
Warning	FEED TANK 2	18	11	When the fuel level in the No. 2 feed tank drops below approximately 37 lbs of usable fuel.	Yes	1	EICAS Right Column	NA	NA	NA	0.2 sec	0.2 sec	CDU I/O	SEL.DCS.Feed_Tank2_Low=Active
Warning	PRI SERVO P	19	11	When hydraulic pressure to the flight controls in either primary or secondary system drops below 145 psi indicating a system pressure loss	Yes	1	EICAS Right Column	NA	TDL 1/2	NA	0.2 sec	0.2 sec	CDU I/O	SEL.DCS.Primary_Servo_Pressure_Low=Active
Warning	ROTOR RPM LO	20	12	Rotor Speed <= 98.57% AND Weight On Wheels is off	No	1	EICAS Center Column	NA	NA	NA	0.2 sec	0.2 sec	CDU I/O SYS MGR	SEL.Rotor_Speed <= 98.57% and Weight_On_Wheels=inactive
Warning	MODE 5 LETHAL	21	13	The transponder has failed to reply to a Mode 5 Lethal Interrogation.	Yes	1	EICAS Center Column	NA	NA	NA	0.0 sec	2.0 sec	COMM	SEL.Mode_5_Lethal = Active
Warning	IFF/M4	22	6	Momentary – Transponder has not responded to a valid Mode 4 interrogation. Steady – KIV 77 or 119 not keyed.	Yes	1	EICAS Center Column	NA	NA	NA	0.2 sec	2.0 sec	COMM	SEL.IFF_Mode_4_Fail_Cau = Active
Warning	IFF/M5	23	6	Momentary – Transponder has not responded to a valid Mode 5 interrogation. Steady – KIV 77 or 119 not keyed.	Yes	1	EICAS Center Column	Caution Overflow	NA	NA	0.0 sec	2.0 sec	COMM	SEL.IFF_Mode_5_Fail_Cau = Active
Warning	SEC HYD HI P	24	12	When the secondary system hydraulic pump pressure exceeds 3,480 psi.	Yes	1	EICAS Left Column	NA	NA	NA	0.2 sec	2.0 sec	CDU I/O	SEL.DCS.Secondary_Hydraulic_Pressure_High=Active
Warning	SEC HYD ISOLATE	25	15	When the hydraulic fluid level in the secondary system reservoir is below 1 gallon, indicating that the landing gear/wheel brake/TALON hydraulic supply system, the normal hoist power, and the left body of the tail rotor flight control servo are automatically shut off.	Yes	1	EICAS Left Column	NA	NA	NA	0.2 sec	2.0 sec	CDU I/O	SEL.DCS.Secondary_Hydraulic_Isolate=Active
Warning	SEC HYD LO P	26	12	When the secondary system hydraulic pump pressure drops below 2,450 psi.	Yes	1	EICAS Left Column	NA	TDL 1/2	NA	0.2 sec	2.0 sec	CDU I/O	SEL.DCS.Secondary_Hydraulic_Pressure_Low=Active

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Warning	SEC SERVO P	27	11	When hydraulic pressure to the flight controls in either primary or secondary system drops below 145 psi indicating a system pressure loss	Yes	1	EICAS Left Column	NA	TDL 1/2	NA	0.2 sec	2.0 sec	CDU I/O	SEL.DCS.Secondary_Servo_Pressure_Low=Active
Warning	SERVO JAM	28	9	When there is a loss of hydraulic pressure to either hydraulic system or a jammed rotary distributor valve on any of the main or tail flight control servos.	Yes	1	EICAS Center Column	Caution Overflow	TDL 1/2	NA	0.2 sec	2.0 sec	CDU I/O	SEL.DCS.Servo_Jam_Present=Active
Warning	HEATER O/HEAT	29	13	When a high temperature is sensed at one or more of six thermostwitches. (Two in lower duct system at approximately 275 degrees F, two near bleed air mixing valve at approximately 275 degrees F and two above FADEC computers at approximately 158 degrees F)	Yes	1	EICAS Center Column	Caution Overflow	NA	NA	0.2 sec	2.0 sec	CDU I/O	SEL.DCS.Heater_Overheat=Active
Warning	ELEC PMP	30	8	When the electric pump switch on the main instrument panel is positioned to BKP and system pressure rises above 1,377 psi.	Yes	1	EICAS Center Column	Caution Overflow	NA	NA	0.2 sec	0.2 sec	CDU I/O	SEL.DCS.Elec_Pump=Active
Warning	BATT TEMP	31	9	When the battery has exceeded internal temperature limit of 135 degrees F (57 degrees C).	Yes	1	EICAS Center Column	Caution Overflow	NA	NA	0.2 sec	0.2 sec	CDU I/O	SEL.DCS.Batt_Temp_High=Active

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Table 2: MH-65E Cautions

65E Type	65E Text	PRIORITY	Text Length	Trigger Conditions	Ack Req'd	Ack Type	Primary Location	Secondary Location	CDU Location	CHECK EICAS WCA	Set Time	Reset Time	Primary Source to EICAS	Condition
Caution	L GEAR	1	6	Use all 3 landing gear lock inputs to control this annunciation. Both L GEAR (landing gear) lights will illuminate in conjunction with an aural intercom signal when the aircraft descends below 200 feet radar altitude, if the wheels are up	Yes	1	EICAS Center Column	Caution Overflow	NA	NA	0.2 sec	0.2 sec	CDU I/O FLT MGR	SEL.R_Gear_Downlock=Inactive, or SEL.L_Gear_Downlock=Inactive, or SEL.Nose_Gear_Downlock=Inactive, and RALT_Below_200 feet=Active
Caution	FADEC1 FAIL	2	11	When the engine #1 FADEC detects a loss of engine control by both FADEC control channels (Total failure). In this case, the FADEC freezes the fuel flow to the engine. The FADEC activates discrete output “PAN3” and sets ARINC label 354 bit 23 to 1	Yes	1	EICAS Left Column	NA	TDL 1/2	NA	0.2 sec	0.2 sec	CDU I/O	SEL.DCS.FADEC_1_Failure=Active or SEL.DECU.FADEC_1_Failure=Active
Caution	FADEC2 FAIL	3	11	When the engine #2 FADEC detects a loss of engine control by both FADEC control channels (Total failure). In this case, the FADEC freezes the fuel flow to the engine. The FADEC activates discrete output “PAN3” and sets ARINC label 354 bit 23 to 1	Yes	1	EICAS Right Column	NA	TDL 1/2	NA	0.2 sec	0.2 sec	CDU I/O	SEL.DCS.FADEC_2_Failure=Active or SEL.DECU.FADEC_2_Failure=Active

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Caution	GOV LVL 2	4	9	When engine #1 or engine #2 FADEC detects a failure that can cause a possible degradation of the engine control (Degraded failure). Engine response time may be affected. The FADEC activates discrete output "PAN2" and sets ARINC label 354 bit 19 to 1. As a secondary source, the GOV LVL 2 Caution WCA will be triggered by either DECU1 or DECU2 setting Label 354 bit 19 active (with no delay by CDU DM in setting the WCA). As a primary source, the GOV LVL 2 Caution will be set via the GOV discrete via 1553 (DECU provided PAN2 discrete output to the DCU). A steady signal GOV discrete will be indicative of GOV LVL 2. When the GOV discrete transitions between active (ON) for 200 ms and inactive (OFF) for 200ms, that will be indicative of GOV LVL 1. To minimize false trigger conditions from the DCU input, the GOV LVL 2 alert will be set when the steady signal is active for >= 2 seconds and there is weight on wheels. If there is not weight on wheels then the GOV LVL 2 alert will be set when the steady signal is active for >= 1 second. The primary source will be used if the validity bits for the DCUs GOV discrettes are set to valid. If the Primary source validity bits are not valid, the DECUs will be used for the GOV LVL2 sources if the DECUs 429 output is valid.	Yes	1	EICAS Center Column	Caution Overflow	TDL 1/2	NA	0.2 sec	0.2 sec	CDU I/O	IF Weight_On_Wheels = Active THEN IF (SEL.DCS.GOV.Valid = True) THEN IF [(SEL.DCS.GOV_Caution = Active for >= 2.0 sec) THEN Set GOV LVL 2 = True ELSE Set GOV LVL 2 = False ELSE IF (SEL.DCS.GOV.Valid = False THEN IF (DECU1.GOV_Level_2_Caution=Active) OR (DECU2.GOV_Level_2_Caution=Active)] THEN Set GOV LVL 2 = True ELSE Set GOV LVL 2 = False  IF Weight_On_Wheels = Inactive THEN IF (SEL.DCS.GOV.Valid = True) THEN IF [(SEL.DCS.GOV_Caution = Active for >= 1.0 sec) THEN Set GOV LVL 2 = True ELSE Set GOV LVL 2 = False ELSE IF (SEL.DCS.GOV.Valid = False THEN IF (DECU1.GOV_Level_2_Caution=Active) OR (DECU2.GOV_Level_2_Caution=Active)] THEN Set GOV LVL 2 = True ELSE Set GOV LVL 2 = False

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Caution	GOV LVL 1	5	9	When engine #1 or engine #2 FADEC detects a failure that has no effect on engine control (Redundancy failure). FADEC sets ARINC label 354 bit 20 to 1. When the FADEC is in stop, start or idle mode, it also activates an intermittent (flashing) discrete output "PAN2". As a secondary source, the GOV LVL 1 Caution WCA will be triggered by either DECU1 or DECU2 setting Label 354 bit 20 active (with no delay by CDU DM in setting the WCA). As the primary source, the GOV LVL 1 Caution will be set via the GOV discrete via 1553 (DECU provided PAN2 discrete output to the DCU). A steady signal GOV discrete will be indicative of GOV LVL 2 (see GOV LVL 2 description above). When the GOV discrete transitions between active (ON) for 200 ms and inactive (OFF) for 200ms, that will be indicative of GOV LVL 1. To minimize false trigger conditions from the DCU input, the GOV LVL 1 Caution will be set only when the GOV discrete transitions between active (ON >= 200 ms) and inactive (OFF >= 200 ms) within a 2 second period with weight on wheels active. If weight on wheels is inactive, then the GOV LVL 1 Caution will be set only when the GOV discrete transitions between active (ON >= 200 ms) and inactive (OFF >= 200 ms) within a 1 second period. The primary source will be used if the validity bits for the DCUs GOV discret es are set to valid. If the Primary source validity bits are not valid, the DECU s will be used for the GOV LVL1 sources if the DECU s 429 output is valid.	Yes	1	EICAS Center Column	Caution Overflow	TDL 1/2	NA	0.2 sec	0.2 sec	CDU I/O	IF Weight_On_Wheels = ActiveTHENIF (SEL.DCS.GOV.Vaild = True)THENIF [(SEL.DCS.GOV_Caution=Active for < 2.0 sec) AND (SEL.DCS.GOV_Caution=Active for >= 200 ms) AND (SEL.DCS.GOV_Caution= Inactive for >= 200 ms)]THENSet GOV LVL 1 = TrueELSESet GOV LVL 1 = FalseELSE IF (SEL.DCS.GOV.Vaild = False)THENIF [(DECU1.GOV_Level_1_Caution=Active) OR (DECU2.GOV_Level_1_Caution=Active)]THEN Set GOV LVL 1 = TrueELSE Set GOV LVL 1 = FalseIF Weight_On_Wheels = InactiveTHENIF (SEL.DCS.GOV.Vaild = True)THENIF [(SEL.DCS.GOV_Caution=Active for < 1.0 sec) AND (SEL.DCS.GOV_Caution=Active for >= 200 ms) AND (SEL.DCS.GOV_Caution= Inactive for >= 200 ms)]THENSet GOV LVL 1 = TrueELSESet GOV LVL 1 = FalseELSE IF (SEL.DCS.GOV.Vaild = False)THENIF [(DECU1.GOV_Level_1_Caution=Active) OR (DECU2.GOV_Level_1_Caution=Active)]THEN Set GOV LVL 1 = TrueELSE Set GOV LVL 1 = False
Caution	ENG EXCD	6	8	Parameters for engine or MGB exceed the operational limits. An engine or MGB exceedance condition is raised by ECMS.	Yes	1	EICAS Center Column	Caution Overflow	NA	NA	0.2 sec	2.0 sec	CDU DM-Mini EICAS	Engine_Exceedance_Annun=Active
Caution	MGB ZN EXCD	7	11	Main Gear Box Zone time limit is exceeded. Reset by main gear box serial number changed.	Yes	1	EICAS Center Column	Caution Overflow	NA	NA	0.2 sec	2.0 sec	CDU DM-Mini EICAS	MGB_Zone_Exceedance_Annun=Active
Caution	TOT ZN EXCD	8	11	Turbine outlet temperature(TOT) zone time limit exceeded. Reset by Related engine serial number changed.	Yes	1	EICAS Center Column	Caution Overflow	NA	NA	0.2 sec	2.0 sec	CDU DM-Mini EICAS	TOT_Zone_Exceedance_Annun=Active

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65E Type	65E Text	PRIORITY	Text Length	Trigger Conditions	Ack Req'd	Ack Type	Primary Location	Secondary Location	CDU Location	CHECK EICAS WCA	Set Time	Reset Time	Primary Source to EICAS	Condition
Caution	L BOOST PUMP P	9	14	Left boost pump pressure caution. Triggered when left fuel pressure is less than 3.6 psi or above 22 psi.	Yes	1	EICAS Left Column	Caution Overflow	NA	NA	0.2 sec	0.2 sec	CDU I/O	SEL.DCS.Engine_1_Fuel_Pressure_Status = Valid and (SEL.DCS.Engine_1_Fuel_Pressure < 3.6 psi or SEL.DCS.Engine_1_Fuel_Pressure>22 psi)
Caution	R BOOST PUMP P	10	14	Right boost pump pressure caution. Triggered when right fuel pressure is less than 3.6 psi or above 22 psi.	Yes	1	EICAS Right Column	NA	NA	NA	0.2 sec	0.2 sec	CDU I/O	SEL.DCS.Engine_2_Fuel_Pressure_Status = Valid and (SEL.DCS.Engine_2_Fuel_Pressure < 3.6 psi or SEL.DCS.Engine_2_Fuel_Pressure>22 psi)
Caution	MGB PMP MAIN	11	12	When there is a main oil pump failure indicating pump pressure below 12 (± 1) psi.(MGB PUMP MAIN)	Yes	1	EICAS Center Column	Caution Overflow	TDL 1/2	NA	0.2 sec	0.2 sec	CDU I/O	SEL.DCS.Main_Gearbox_Pump_Pressure_Low=Active
Caution	MGB PMP AUX	12	11	When there is a gearbox auxiliary oil pump failure indicating a pump pressure below 12 (± 1) psi and loss of redundancy.(MGB PMP AUX)	Yes	1	EICAS Center Column	Caution Overflow	TDL 1/2	NA	0.2 sec	0.2 sec	CDU I/O	SEL.DCS.Main_Gearbox_Aux_Pump_Pressure_Low=Active
Caution	INVALID CONFIG	13	14	Invalid Aircraft Configuration is detected	Yes	1	EICAS Center Column	Caution Overflow	NA	NA	0.0 sec	1.0 sec	SYS MGR	SEL.Invalid_Aircraft_Config_Cau = Active
Caution	FUEL FILT 1	14	11	When the pressure differential across the filter increases to approximately 10 psi.	Yes	1	EICAS Left Column	Caution Overflow	NA	NA	0.2 sec	2.0 sec	CDU I/O	SEL.DCS.Fuel_Filter_Bypass_No_1=Active
Caution	FUEL FILT 2	15	11	When the pressure differential across the filter increases to approximately 10 psi.	Yes	1	EICAS Right Column	NA	NA	NA	0.2 sec	2.0 sec	CDU I/O	SEL.DCS.Fuel_Filter_Bypass_No_2=Active
Caution	FREON HI PRESS	16	14	When the condenser inlet pressure exceeds approx 392 psi for more than 20 seconds.	Yes	1	EICAS Center Column	Caution Overflow	NA	NA	0.2 sec	2.0 sec	CDU I/O	SEL.DCS.Freon_Pressure_High=Active
Caution	L WSCRN A/I	17	11	Failure of the regulator box of the corresponding anti-ice system.	No	1	EICAS Left Column	Caution Overflow	NA	Yes	0.2 sec	0.2 sec	CDU I/O	SEL.DCS.Left_Windscreen_Anti_Ice=Active
Caution	R WSCRN A/I	18	11	Failure of the regulator box of the corresponding anti-ice system.	No	1	EICAS Right Column	NA	NA	Yes	0.2 sec	0.2 sec	CDU I/O	SEL.DCS.Right_Windscreen_Anti_Ice=Active

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65E Type	65E Text	PRIORITY	Text Length	Trigger Conditions	Ack Req'd	Ack Type	Primary Location	Secondary Location	CDU Location	CHECK EICAS WCA	Set Time	Reset Time	Primary Source to EICAS	Condition
Caution	AFCS	19	4	When one or all AFCS axes disengage.	Yes	3	EICAS Center Column	Caution Overflow	NA	NA	0.2 sec	0.2 sec	CDU I/O	SEL.DCS.Pitch_Engage_A=Inactive, or SEL.DCS.Pitch_Engage_B=Inactive OR SEL.DCS.Roll_Engage_A=Inactive, or SEL.DCS.Roll_Engag_B=Inactive OR SEL.DCS.Yaw_Engage_A=Inactive, or SEL.DCS.Yaw_Engage_B=Inactive OR SEL.DCS.Collective_Engage_A=Inactive
Caution	PITCH	20	5	Pitch axis disengaging causes steady illumination. Extinguishes when pitch axis is engaged	No	1	EICAS Center Column	Caution Overflow	NA	Yes	0.2 sec	0.2 sec	CDU I/O	SEL.DCS.Pitch_Engage_A=Inactive or SEL.DCS.Pitch_Engage_B=Inactive
Caution	ROLL	21	4	Roll axis disengaging causes steady illumination. Extinguishes when roll axis is engaged	No	1	EICAS Center Column	Caution Overflow	NA	Yes	0.2 sec	0.2 sec	CDU I/O	SEL.DCS.Roll_Engage_A=Inactive, or SEL.DCS.Roll_Engage_B=Inactive
Caution	YAW	22	3	Yaw axis disengaging causes steady illumination. Extinguishes when yaw axis is engaged	No	1	EICAS Center Column	Caution Overflow	NA	Yes	0.2 sec	0.2 sec	CDU I/O	SEL.DCS.Yaw_Engage_A=Inactive, or SEL.DCS.Yaw_Engage_B=Inactive
Caution	COLL	23	4	Collective axis disengaging causes steady illumination. Extinguishes when collective axis is engaged	No	1	EICAS Center Column	Caution Overflow	NA	Yes	0.2 sec	0.2 sec	CDU I/O	SEL.DCS.Collective_Engage_A=Inactive
Caution	FD UCPL	24	7	Indicates that the flight director is not coupled to the AFCS	Yes	1	EICAS Center Column	Caution Overflow	NA	NA	0.2 sec	0.2 sec	CDU I/O	SW Trigger Condition  Discrete_Manager.Fd_Ucpl_Wca=Active (1553 logic 1 = true)
Caution	FD LOW ALT	25	10	Indicates that the flight director is commanding altitude loss due to torque limiting of the aircraft.	Yes	1	EICAS Center Column	Caution Overflow	NA	NA	0.0 sec	0.0 sec	FD	SEL.FD_Low_Alt_Alert= Active
Caution	EGI HDG MISCOMP	26	15	A difference between EGI(1) and EGI(2) heading of 4 degrees or more for 2 seconds.	Yes	1	EICAS Center Column	Caution Overflow	NA	NA	0.0 sec	1.0 sec	MFD DM	SEL.True_Heading_Disagree_Adv= Active
Caution	ALT DISAGREE	27	12	A difference of more than seventy feet exists between on-side and cross-side altitude data for more than 2 seconds.	Yes	1	EICAS Center Column	Caution Overflow	NA	NA	0.0 sec	1.0 sec	MFD DM	SEL.Altitude_Disagree_Adv = Active
Caution	ATT DISAGREE	28	12	A difference between EGI(1) and EGI(2) pitch or roll attitudes of more than 2 degrees for 2 seconds.	Yes	1	EICAS Center Column	Caution Overflow	NA	NA	0.0 sec	1.0 sec	MFD DM	SEL.Attitude_Disagree_Adv = Active
Caution	A/S DISAGREE	29	12	A difference of more than seven knots exists between on-side and cross-side airspeed data for more than 2 seconds.	Yes	1	EICAS Center Column	Caution Overflow	NA	NA	0.0 sec	1.0 sec	MFD DM	SEL.Airspeed_Disagree_Adv = Active
Caution	FD DISAGREE	30	11	A difference of 17.0 percent pitch, 6.0 percent roll, or 26.0 percent collective axis exists between the primary and alternate Flight Director sources for more then 4.0 seconds.	Yes	1	EICAS Center Column	Caution Overflow	NA	NA	0.0 sec	1.0 sec	MFD DM	SEL.FD_Disagree_Adv = Active

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65E Type	65E Text	PRIORITY	Text Length	Trigger Conditions	Ack Req'd	Ack Type	Primary Location	Secondary Location	CDU Location	CHECK EICAS WCA	Set Time	Reset Time	Primary Source to EICAS	Condition
Caution	VSI DISAGREE	31	12	A difference of more than 250 fpm exists between on-side and cross-side vertical speed data for more than 2 seconds.	Yes	1	EICAS Center Column	Caution Overflow	NA	NA	0.0 sec	1.0 sec	MFD DM	SEL.VSI_Disagree_Alert = Active
Caution	TRM OFF	32	7	Indicates that the cyclic pitch and roll trim system is off/inoperative	Yes	1	EICAS Center Column	Caution Overflow	NA	NA	0.2 sec	0.2 sec	CDU I/O	SEL.DCS.Trim_On_A=Inactive, or SEL.DCS.Trim_On_B=Inactive
Caution	P TRIM	33	6	Indicates that the pitch series actuator is displaced from its center position by more than 36 percent for longer than 4 seconds	No	1	EICAS Center Column	Caution Overflow	NA	Yes	0.2 sec	0.2 sec	CDU I/O	SEL.DCS.Pitch_Out_of_Trim=Active
Caution	R TRIM	34	6	Indicates the roll series actuators are displaced from their center positions by more than 57 percent for longer than 4 seconds	No	1	EICAS Center Column	Caution Overflow	NA	Yes	0.2 sec	0.2 sec	CDU I/O	SEL.DCS.Roll_Out_of_Trim=Active
Caution	Y TRIM	35	6	Indicates that the yaw series actuator is displaced from its center position by more than 56 percent for longer than 4 seconds	No	1	EICAS Center Column	Caution Overflow	NA	Yes	0.2 sec	0.2 sec	CDU I/O	SEL.DCS.Yaw_Out_of_Trim=Active
Caution	PRI NR FAIL	36	11	Indicates the primary NR source is providing an out of range (invalid) NR value.	Yes	1	EICAS Center Column	Caution Overflow	NA	NA	0.2 sec	2.0 sec	CDU I/O	SEL.DCS.Rotor_Speed_2=Invalid
Caution	SEC NR FAIL	37	11	Indicates the secondary NR source is providing an out of range (invalid) NR value.	Yes	1	EICAS Center Column	Caution Overflow	NA	NA	0.2 sec	2.0 sec	CDU I/O	SEL.DCS.Rotor_Speed_1=Invalid
Caution	NR DISAGREE	38	11	Indicates a mismatch of Rotor Speed if either NR source varies from the other by +/- 10 RPM, AND at least one NR source is greater than 200 RPM, AND both NR Sources are valid.	Yes	1	EICAS Center Column	Caution Overflow	NA	NA	2.0 sec	2.0 sec	NA	IF [(SEL.DCS.Rotor_Speed_1 = Valid AND SEL.DCS.Rotor_Speed_2 = Valid) AND (SEL.DCS.Rotor_Speed_1 OR SEL.DCS.Rotor_Speed_2 > 200 RPM) AND (Difference between SEL.DCS.Rotor_Speed_1 and SEL.DCS.Rotor_Speed_2 >= +/- 10 RPM)] THEN NR DISAGREE (WCA) = Active ELSE NR DISAGREE (WCA) = Inactive
Caution	NR HI	39	5	When the Nr High switch is in the selected position.	No	1	EICAS Center Column	Caution Overflow	NA	Yes	0.2 sec	0.2 sec	CDU I/O	SEL.DCS.RPM_High=Active
Caution	ROTOR BRAKE	40	11	When the rotor brake microswitch is not fully seated.	No	1	EICAS Center Column	Caution Overflow	TDL 1/2	Yes	0.6 sec	0.6 sec	CDU I/O	SEL.DCS.Rotor_Brake_On=Active
Caution	PARKING BRAKE	41	13	When the parking brake control handle is pulled and rotated 90 degrees thus applying a DC power. (only indicates the parking brake handle position)	No	1	Caution Overflow	NA	NA	Yes	0.2 sec	0.2 sec	CDU I/O	SEL.DCS.Parking_Brake_On=Active

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65E Type	65E Text	PRIORITY	Text Length	Trigger Conditions	Ack Req'd	Ack Type	Primary Location	Secondary Location	CDU Location	CHECK EICAS WCA	Set Time	Reset Time	Primary Source to EICAS	Condition
Caution	L PITOT	42	7	When power is applied to the aircraft and the related PITOT HEAT switch is OFF or the PITOT HEAT switch is ON and the related pitot heat circuit has failed.	No	1	EICAS Left Column	Caution Overflow	NA	Yes	0.2 sec	0.2 sec	CDU I/O	SEL.DCS.Pitot_Heat-LH=Active
Caution	R PITOT	43	7	When power is applied to the aircraft and the related PITOT HEAT switch is OFF or the PITOT HEAT switch is ON and the related pitot heat circuit has failed.	No	1	EICAS Right Column	Caution Overflow	NA	Yes	0.2 sec	0.2 sec	CDU I/O	SEL.DCS.Pitot_Heat-RH=Active
Caution	L EXT	44	5	When pressure in a fire extinguisher drops below 230 psi.	Yes	1	EICAS Center Column	Caution Overflow	TDL 1/2	NA	0.2 sec	0.2 sec	CDU I/O	SEL.DCS.L_EXT=Active
Caution	R EXT	45	5	When pressure in a fire extinguisher drops below 230 psi.	Yes	1	EICAS Center Column	Caution Overflow	TDL 1/2	NA	0.2 sec	0.2 sec	CDU I/O	SEL.DCS.R_EXT=Active
Caution	PEDAL LIMIT	46	11	The "PEDAL LIMIT" Caution annunciation will be displayed when full right pedal deflection is achieved.	No	1	EICAS Center Column	Caution Overflow	NA	Yes	0.2 sec	0.2 sec	CDU I/O	SEL.DCS_Right_Pedal_Switch=Active
Caution	SERVO LIMIT	47	11	The SERVO LIMIT WCA will become active when the following condition is true: Microswitches in the aircraft are actuated by an excessive fore or aft cyclic movement, or an excessive load limit cause the Servo Limit DCU discrete to become active.  If the condition above is false, then the SERVO LIMIT WCA will be inactive.	No	1	EICAS Center Column	Caution Overflow	NA	Yes	0.0 sec	0.1 sec	CDU I/O	IF (SEL.DCS_Servo_Limit is Valid and not Stale AND SEL.DCS_Servo_Limit = Active) THEN SERVO LIMIT (WCA) = Active ELSE SERVO LIMIT (WCA) = Inactive
Caution	NO GPS APPR	48	11	FMS detects invalid Approach Status crossing 2NM prior to FAF	Yes	1	EICAS Center Column	Caution Overflow	NA	NA	1.0 sec	2.0 sec	FLT MGR	SEL.No_GPS_Appr = Active
Caution	CHK ANP	49	7	Operational Mode is CIVIL and one of the following is true: •Primary navigator solution is Invalid OR •Primary navigator solution is a Pure INU Solution OR •Primary navigator solution is a Blended Solution with no GPS included OR •ANP validity is INVALID (includes first 3 bullets) OR •ANP exceeds RNP	Yes	1	EICAS Center Column	Caution Overflow	NA	NA	0.0 sec	1.0 sec	FLT MGR	SEL.CHK_ANP = Active
Caution	TIV WARN	50	8	This caution is displayed when the aircraft is determined to be in the range of a threat	Yes	1	EICAS Center Column	Caution Overflow	NA	NA	0.0 sec	1.0 sec	TSA MGR	SEL.TIV_Warn = Active
Caution	26 VAC FAIL 1	51	13	26VAC 1 Source condition set to Fail	Yes	1	EICAS Center Column	Caution Overflow	NA	NA	0.2 sec	0.2 sec	CDU I/O	SEL.DCS.26VAC_Fail1=Active

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Warnings, Cautions, Advisories and Annunciations Table for the US Coast Guard (USCG) MH-65E Avionics Phase 3 Upgrade

65E Type	65E Text	PRIORITY	Text Length	Trigger Conditions	Ack Req'd	Ack Type	Primary Location	Secondary Location	CDU Location	CHECK EICAS WCA	Set Time	Reset Time	Primary Source to EICAS	Condition
Caution	26 VAC FAIL 2	52	13	26VAC 2 Source condition set to Fail	Yes	1	EICAS Center Column	Caution Overflow	NA	NA	0.2 sec	0.2 sec	CDU I/O	SEL.DCS.26VAC_Fail2=Active
Caution	AV RACK O/HEAT	53	14	Illuminates the AV RACK O/HEAT light at 109.4 °F.	Yes	1	EICAS Center Column	Caution Overflow	NA	NA	0.2 sec	2.0 sec	CDU I/O	SEL.DCS.AV_Rack_Overheat=Active
Caution	EICAS DEGRADE	54	13	Miscompares of engine parameters exist that raise this caution.	No	1	EICAS Center Column	Caution Overflow	NA	Yes	0.2 sec	2.0 sec	CDU I/O	Engine_TOT_DECU_Miscompare_Alert = True Or Enginee_N1_DECU_Miscompare_Alert = True Or Engine_N2_DECU_Miscompare_Alert = True
Caution	ENG PARM DEGR	55	13	An amber ENG PARM DEGR annunciation will appear anytime one of the Engine 1 N1 parameters is invalid, one of the Engine 2 N1 parameters is invalid, one of the Engine 1 TOT parameters is invalid, one of the Engine 2 TOT parameters is invalid, one of the Engine 1 Q parameters is invalid or one of the Engine 2 Q parameters is invalid. If ENG PARM FAIL is true, ENG PARM DEGR will not be displayed.	No	1	EICAS Center Column	Caution Overflow	NA	Yes	0.2 sec	2.0 sec	CDU I/O	Assume Invalid = 0 and Valid = 1(ENG PARM FAIL is not true) and ((SEL.DCS.Engine_1_N1_Status=Invalid xor SEL.DECU.Engine_1_N1_Status=Invalid) or(SEL.DCS.Engine_2_N1_Status=Invalid xor SEL.DECU.Engine_2_N1_Status=Invalid) or(CDU1.Engine_TOT_Display_Status=Invalid xor SEL.DECU.Engine_1_T4_Status=Invalid) or(CDU2.Engine_TOT_Display_Status=Invalid xor SEL.DECU.Engine_2_T4_Status=Invalid) or (SEL.DECU.Engine_1_Torque_Status=Invalid xor SEL.DECU.Engine_1_Secondary_Torque_Status=Invalid) or (SEL.DECU.Engine_2_Torque_Status=Invalid xor SEL.DECU.Engine_2_Secondary_Torque_Status=Invalid)) Note: Engine 1 Secondary Torque Status is supplied by Label 057 of DECU2 and Engine 2 Secondary Torque is supplied by Label 057 of DECU1.

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946-1633-002	Rev –	

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65E Type	65E Text	PRIORITY	Text Length	Trigger Conditions	Ack Req'd	Ack Type	Primary Location	Secondary Location	CDU Location	CHECK EICAS WCA	Set Time	Reset Time	Primary Source to EICAS	Condition
Caution	ENG PARM FAIL	56	13	An amber ENG PARM FAIL annunciation will appear anytime both of the Engine 1 N1 parameters is invalid, both of the Engine 2 N1 parameters is invalid, both of the Engine 1 TOT parameters is invalid, both of the Engine 2 TOT parameters is invalid, both of the Engine 1 Q parameters is invalid or both of the Engine 2 Q parameters is invalid.	No	1	EICAS Center Column	Caution Overflow	NA	Yes	0.2 sec	2.0 sec	CDU I/O	Assume Invalid = 0 and Valid = 1 (SEL.DCS.Engine_1_N1_Status=Invalid and SEL.DECU.Engine_1_N1_Status=Invalid) or (SEL.DCS.Engine_2_N1_Status=Invalid and SEL.DECU.Engine_2_N1_Status=Invalid) or (CDU1.Engine_TOT_Display_Status=Invalid and SEL.DECU.Engine_1_T4_Status=Invalid) or (CDU2.Engine_TOT_Display_Status=Invalid and SEL.DECU.Engine_2_T4_Status=Invalid) or (SEL.DECU.Engine_1_Torque_Status=Invalid and SEL.DECU.Engine_1_Secondary_Torque_Status=Invalid) or (SEL.DECU.Engine_2_Torque_Status=Invalid and SEL.DECU.Engine_2_Secondary_Torque_Status=Invalid) Note: Engine 1 Secondary Torque Status is supplied by Label 057 of DECU2 and Engine 2 Secondary Torque is supplied by Label 057 of DECU1.
Caution	RESERVE FUEL	57	12	Warns that total fuel remaining equals the fuel reserve quantity. Reserve fuel is being burned. Cleared by clear key or condition corrected.	Yes	1	EICAS Center Column	Caution Overflow	NA	NA	0.2 sec	2.0 sec	CDU I/O	Total fuel remaining (SEL.DCS.Fuel_Quantity_1 + SEL.DCS.Fuel_Quantity_2) =Total Reserve fuel remaining (Eng1_Fuel_Quantity_Reserve +Eng2_Fuel_Quantity_Reserve)
Caution	TALON LOCKED	58	12	indicates that the TALON probe is engaged	No	1	EICAS Center Column	Caution Overflow	NA	Yes	0.5 sec	0.2 sec	CDU I/O	SEL.DCS.Talon_Locked=Active
Caution	BINGO FUEL	59	10	When the current fuel remaining is less than the bingo fuel which includes planned fuel additions. OR There is insufficient fuel to complete the existing flight plan with a 10% reserve or 20 minute reserve for MAX RANGE.	Yes	1	EICAS Center Column	Caution Overflow	NA	NA	0.0 sec	1.0 sec	FLT MGR	"SEL.PPOS_Bingo_Fuel_Alert = Active Or SEL.BINGO_Fuel_Alert = Active"
Caution	RADAR TRANSMIT	60	14	The RADAR TRANSMIT caution will become active when the radar is transmitting and WOW = True.	No	1	EICAS Center Column	Caution Overflow	NA	Yes	0.2 sec	2.0 sec	MSN SNSR	SEL.Rdr_Transmit_Cau=Active

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Warnings, Cautions, Advisories and Annunciations Table for the US Coast Guard (USCG) MH-65E Avionics Phase 3 Upgrade

65E Type	65E Text	PRIORITY	Text Length	Trigger Conditions	Ack Req'd	Ack Type	Primary Location	Secondary Location	CDU Location	CHECK EICAS WCA	Set Time	Reset Time	Primary Source to EICAS	Condition
Caution	CHECK EICAS	61	11	Set: When set/active, Indicates that a Non-Ackable Caution has been set on the EICAS Page (by EICAS SW) and no other MFD in the cockpit is currently displaying an EICAS Page. Note: This Non-Ackable Caution will only be displayed on the Primary Flight Display (PFD). Since this Non-Ackable Caution must only be displayed on PFD (Caution Block in lower right hand corner of the display), the logic for implementing will be performed entirely within MFD DM SW.Reset: Selection of EICAS page from any MFD or ACK of Caution on the PFD page will automatically remove the message from the PFD Caution Block.Special cases: If PTRIM or RTRIM or YTRIM cautions become true, an 8 second wait will be employed before the CHECK EICAS caution is displayed for either of these 3 trim cautions.	Yes	NA	PFD	NA	NA	NA	0.2 sec	1.0 sec	NA	See MFD DM SRS section titled "CHECK EICAS Caution".

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Table 3: MH-65E Advisories

65E Type	65E Text	PRIORITY	Text Length	Trigger Conditions	Ack Req'd	Ack Type	Primary Location	Secondary Location	CDU Location	CHECK EICAS WCA	Set Time	Reset Time	Primary Source to EICAS	Condition
Advisory	BLEED VLV 1	1	11	DECU 1 ARINC 429 Data Bus Label 355 BIT 24: 0 =BV closed, 1 = BV open. Displayed when Engine 1 bleed valve input is "open".	No	1	EICAS Left Column	Advisory Overflow	NA	NA	0.0 sec	1.0 sec	CDU I/O	SEL.DECU.Bleed_Valve_1=Open
Advisory	BLEED VLV 2	2	11	DECU 2 ARINC 429 Data Bus Label 355 BIT 24: 0 =BV closed, 1 = BV open. Displayed when the Engine 2 bleed valve input is "open".	No	1	EICAS Right Column	Advisory Overflow	NA	NA	0.0 sec	1.0 sec	CDU I/O	SEL.DECU.Bleed_Valve_2=Open
Advisory	CHK TORQUE	3	10	In the normal AEO mode, and if DIFF N1 output is not activated, if the difference between TRQ1 and TRQ2 exceeds 7.5%.	No	1	EICAS Center Column	Advisory Overflow	NA	Yes	0.2 sec	2.0 sec	CDU I/O	Engine_Driving = AEO AND SEL.DCS.DIFF_N1 = InActive and SEL.DECU.DIFF_N1= InActive AND Difference between (SEL.DECU.Engine_1_Q / 2) and (SEL.DECU.Engine_2_Q / 2) > 7.5%
Advisory	T/R	4	3	Connects the AC powered transformer/rectifier to the DC System →ON indicates emergency power is being supplied to the DC system →OFF indicates normal with both generators operating	No	1	EICAS Center Column	Advisory Overflow	TDL 2/2	Yes	0.0 sec	1.0 sec	CDU I/O	SEL.DCS.EMER_TR_ON=Active
Advisory	L WSCRN ON	5	10	When the W/S ANTI-ICE switch is set to ON. (the Left anti-ice circuit will illuminate the L WSCRN ON advisory lights)	No	1	EICAS Left Column	Advisory Overflow	NA	NA	0.0 sec	0.2 sec	CDU I/O	SEL.DCS.L_Windscreen_On=Active
Advisory	R WSCRN ON	6	10	When the W/S ANTI-ICE switch is set to ON. (the Right anti-ice circuit will illuminate the R WSCRN ON advisory lights)	No	1	EICAS Right Column	Advisory Overflow	NA	NA	0.0 sec	0.2 sec	CDU I/O	SEL.DCS.R_Windscreen_On=Active
Advisory	L LIGHT ON	7	10	When the landing light control switch on the Co-Pilot Collective Grip is pressed to turn the Left landing light on.	No	1	EICAS Left Column	Advisory Overflow	NA	NA	0.0 sec	0.2 sec	CDU I/O	SEL.DCS.L_Light_On=Active
Advisory	R LIGHT ON	8	10	When the landing light control switch on the Pilot Collective Grip is pressed to turn the Right landing light on.	No	1	EICAS Right Column	Advisory Overflow	NA	NA	0.0 sec	0.2 sec	CDU I/O	SEL.DCS.R_Light_On=Active
Advisory	TCAS MUTE	9	9	Illuminated when TCAS is muted.	No	1	EICAS Center Column	Advisory Overflow	NA	NA	0.0 sec	1.0 sec	Mission Sensor	SEL.TCAS_Mute=Active
Advisory	EGI REV	10	7	Indicates that the AFCS is in single EGI reversionary operation (was GYRO REV in relation to the Gyro Compass)	No	1	EICAS Center Column	Advisory Overflow	NA	Yes	0.0 sec	1.0 sec	CDU I/O	SEL.DCS.EGI_Reversion=Active

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946-1633-002	Rev –	

65E Type	65E Text	PRIORITY	Text Length	Trigger Conditions	Ack Req'd	Ack Type	Primary Location	Secondary Location	CDU Location	CHECK EICAS WCA	Set Time	Reset Time	Primary Source to EICAS	Condition
Advisory	HOV VEL MISCOMP	11	15	A difference of more than 10 degrees or 10 knots exists between on-side and cross-side hover velocity data for more than 2 seconds.  A difference of more than 12 fps exists between on-side and cross-side EGI velocity for more than 2 seconds.	No	1	Advisory Overflow	NA	NA	Yes	0.0 sec	1.0 sec	MFD DM	SEL.Hover_Velocity_Disagree_Alert = Active
Advisory	DATA MISCOMPARE	12	15	Any of the following conditions will activate the DATA MISCOMPARE advisory message:Efp_Data_Miscompare = TrueTacan_Data_Miscompare = TrueVor_Data_Miscompare = TrueRad_Alt_Data_Miscompare = True(DCS1_Fuel_Quantity-1_CM_Valid = False AND DCS2_Fuel_Quantity-1_CM_Valid = False)(DCS1_Fuel_Quantity-2_CM_Valid = False AND DCS2_Fuel_Quantity-2_CM_Valid = False)(DCS1_Rotor_Speed_1_CM_Valid = False AND DCS2_Rotor_Speed_1_CM_Valid = False)(DCS1_Rotor_Speed_2_CM_Valid = False AND DCS2_Rotor_Speed_2_CM_Valid = False)(DCS1_Engine_Oil_Pressure-1_CM_Valid = False AND DCS2_Engine_Oil_Pressure-1_CM_Valid = False)(DCS1_Engine_Oil_Pressure-2_CM_Valid = False AND DCS2_Engine_Oil_Pressure-2_CM_Valid = False)(DCS1_Engine_Oil_Temp-1_CM_Valid = False AND DCS2_Engine_Oil_Temp-1_CM_Valid = False)(DCS1_Engine_Oil_Temp-2_CM_Valid = False AND DCS2_Engine_Oil_Temp-2_CM_Valid = False)	No	1	Advisory Overflow	NA	NA	Yes	0.5 sec	1.0 sec	EICAS	SEL.Efp_Data_Miscompare_Alert = Active ORSEL.Tacan_Data_Miscompare_Alert = Active ORSEL.Vor_Data_Miscompare_Alert = Active ORSEL.Rad_Alt_Data_Miscompare_Alert = Active OR(DCS1_Fuel_Quantity-1_CM_Valid = False AND DCS2_Fuel_Quantity-1_CM_Valid = False) OR(DCS1_Fuel_Quantity-2_CM_Valid = False AND DCS2_Fuel_Quantity-2_CM_Valid = False) OR(DCS1_Rotor_Speed_1_CM_Valid = False AND DCS2_Rotor_Speed_1_CM_Valid = False) OR(DCS1_Rotor_Speed_2_CM_Valid = False AND DCS2_Rotor_Speed_2_CM_Valid = False) OR(DCS1_Engine_Oil_Pressure-1_CM_Valid = False AND DCS2_Engine_Oil_Pressure-1_CM_Valid = False) OR(DCS1_Engine_Oil_Pressure-2_CM_Valid = False AND DCS2_Engine_Oil_Pressure-2_CM_Valid = False) OR(DCS1_Engine_Oil_Temp-1_CM_Valid = False AND DCS2_Engine_Oil_Temp-1_CM_Valid = False) OR(DCS1_Engine_Oil_Temp-2_CM_Valid = False AND DCS2_Engine_Oil_Temp-2_CM_Valid = False) OR

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946-1633-002	Rev –	

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Advisory	DATA MISCOMPARE	12	15	Any of the following conditions will activate the DATA MISCOMPARE advisory message: (DCS1_Gas_Generator_Speed_NG_1_CM_Valid = False AND DCS2_Gas_Generator_Speed_NG_1_CM_Valid = False) (DCS1_Gas_Generator_Speed_NG_2_CM_Valid = False AND DCS2_Gas_Generator_Speed_NG_2_CM_Valid = False) (DCS1_Power_Turbine_Speed_NP_1_CM_Valid = False AND DCS2_Power_Turbine_Speed_NP_1_CM_Valid = False) (DCS1_Power_Turbine_Speed_NP_2_CM_Valid = False AND DCS2_Power_Turbine_Speed_NP_2_CM_Valid = False) (DCS1_Turbine_Gas_Temp_TGT_1_CM_Valid = False AND DCS2_Turbine_Gas_Temp_TGT_1_CM_Valid = False) (DCS1_Turbine_Gas_Temp_TGT_2_CM_Valid = False AND DCS2_Turbine_Gas_Temp_TGT_2_CM_Valid = False) (DCS1_Main_XMSN_Oil_Pressure_CM_Valid = False AND DCS2_Main_XMSN_Oil_Pressure_CM_Valid = False) (DCS1_Main_XMSN_Oil_Temp_CM_Valid = False AND DCS2_Main_XMSN_Oil_Temp_CM_Valid = False) (DECU1_Engine_Torque_No_1_CM_Valid = False AND DECU2_Engine_Torque_No_1_CM_Valid = False) (DECU1_Engine_Torque_No_2_CM_Valid = False AND DECU2_Engine_Torque_No_2_CM_Valid = False)	No	1	Advisory Overflow	NA	NA	Yes	0.5 sec	1.0 sec	EICAS	(DCS1_Gas_Generator_Speed_NG_1_CM_Valid = False AND DCS2_Gas_Generator_Speed_NG_1_CM_Valid = False) OR (DCS1_Gas_Generator_Speed_NG_2_CM_Valid = False AND DCS2_Gas_Generator_Speed_NG_2_CM_Valid = False) OR (DCS1_Power_Turbine_Speed_NP_1_CM_Valid = False AND DCS2_Power_Turbine_Speed_NP_1_CM_Valid = False) OR (DCS1_Power_Turbine_Speed_NP_2_CM_Valid = False AND DCS2_Power_Turbine_Speed_NP_2_CM_Valid = False) OR (DCS1_Turbine_Gas_Temp_TGT_1_CM_Valid = False AND DCS2_Turbine_Gas_Temp_TGT_1_CM_Valid = False) OR (DCS1_Turbine_Gas_Temp_TGT_2_CM_Valid = False AND DCS2_Turbine_Gas_Temp_TGT_2_CM_Valid = False) (DCS1_Main_XMSN_Oil_Pressure_CM_Valid = False AND DCS2_Main_XMSN_Oil_Pressure_CM_Valid = False) (DCS1_Main_XMSN_Oil_Temp_CM_Valid = False AND DCS2_Main_XMSN_Oil_Temp_CM_Valid = False) (SEL.DECU1.Torque_Engine_On-side_Label-053_Validity = False AND SEL.DECU2.Torque_Engine_Other_Engine_Label-057_Validity = False) OR (SEL.DECU1.Torque_Engine_Other_Engine_Label-057_Validity = False AND SEL.DECU2.Torque_Engine_On-side_Label-053_Validity = False)

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946-1633-002	Rev –	

Warnings, Cautions, Advisories and Annunciations Table for the US Coast Guard (USCG) MH-65E Avionics Phase 3 Upgrade

65E Type	65E Text	PRIORITY	Text Length	Trigger Conditions	Ack Req'd	Ack Type	Primary Location	Secondary Location	CDU Location	CHECK EICAS WCA	Set Time	Reset Time	Primary Source to EICAS	Condition
Advisory	√ LRU STATUS	13	12	ADC1 FAILADC2 FAILCDU 1 FAILCDU 2 FAILDCU1 FAILDCU2 FAIL DF FAILEGI1 FAILEGI2 FAILPSM1 FAILPSM2 FAILHF FAILHF SEC FAILIFF FAILIFF SEC FAILCM1 FAILCM1 SEC FAILMFD 1 FAILMFD 2 FAILMFD 3 FAILMFD 4 FAILRALT FAIL	Yes	1	EICAS Center Column	Advisory Overflow	NA	Yes	0.0 sec	1.0 sec	"FLT MGRFLT MGRSYS MGRSYS MGRSYS MGRSYS MGRFLT MGRFLT MGRFLT MGRSYS MGRSYS MGRCOMM COMMCOM MCOMMCO MMCOMMS YS MGRSYS MGRSYS MGRSYS MGRFLT MGR	SEL.ADC1_Fail_Adv = Active ORSEL.ADC2_Fail_Adv = Active ORSEL.CDU_1_Fail_Adv = Active ORSEL.CDU_2_Fail_Adv = Active ORSEL.DCS1_Fail_Cau = Active ORSEL.DCS2_Fail_Cau = Active ORSEL.LFDF_Fail_Adv=Active ORSEL.EGI_1_Fail_Cau = Active ORSEL.EGI_2_Fail_Cau = Active ORSEL.GPPU1_Fail_Adv = Active ORSEL.GPPU2_Fail_Adv = Active ORSEL.ARC_220_Fail_Adv = Active ORSEL.ARC_220_SEC_Fail_Adv = Active ORSEL.IFF_Fail_Adv = Active ORSEL.IFF_Sec_Fail_Adv = ActiveSEL.ARC_210_1_Fail_Adv = Active ORSEL.ARC_210_1_SEC_Fail_Adv = Active ORSEL.MFD_1_Fail_Adv = Active ORSEL.MFD_2_Fail_Adv = Active ORSEL.MFD_3_Fail_Adv = Active ORSEL.MFD_4_Fail_Adv = Active ORSEL.RALT_Fail_Adv = Active
Advisory	√ LRU STATUS	13	12	TACAN FAIL VOR FAIL TCAS FAIL RDR FAIL HUD FAIL ICS FAIL CM2 FAIL CM3 FAIL VFDR FAIL DTU FAIL EOIR FAIL HIDS FAIL VPM FAIL	Yes	1	EICAS Center Column	Advisory Overflow	NA	Yes	0.0 sec	1.0 sec	"FLT MGR FLT MGR MSN SNR MSN SNR MSN SNR COMM COMM COMM SYS MGR SYS MGR MSN SNR MSN SNR SYS MGR	SEL.TACAN_Fail_Adv = Active OR SEL.VOR_Fail_Adv = Active OR SEL.TCAS_Fail_Adv = Active OR SEL.RDR_Fail_Adv = Active SEL.HUD_Fail_Adv = Active OR SEL.ICS_Fail_Cau = Active OR SEL.CM2_Fail_Cau = Active OR SEL.CM3_Fail_Adv=Active OR SEL.VFDR_Fail_Cau = Active OR SEL.DTU_Fail_Cau = Active OR SEL.EOIR_Fail_Adv = Active OR SEL.HIDS_Fail_Adv = Active OR SEL.VPM_Fail_Adv = Active OR
Advisory	IFF JAMMING	14	11	Indicates that the IFF is being jammed (Noise Status from IFF is set)	No	1	EICAS Center Column	Advisory Overflow	NA	Yes	0.0 sec	1.0 sec	COMM	SEL.IFF_Jamming = Active
Advisory	IFF STBY	15	8	Aircraft has lifted off with the IFF in standby	No	1	EICAS Center Column	Advisory Overflow	NA	Yes	0.0 sec	1.0 sec	COMM	SEL.IFF_Standby_Adv = Active

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946-1633-002	Rev –	

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Advisory	ADS-B DISABLED	16	14	IFF 1553 TXSA 1 Word 8 bit 7 "Extended Squitter Disable Status" = 1 This includes the following conditions: - Crew initiated ADS-B disable. - Mode S has been disabled while ADS-B is enabled. - A Non-WGS-84 Datum has been entered while ADS-B is enabled.	No	1	EICAS Center Column	Advisory Overflow	NA	Yes	0.0 sec	1.0 sec	COMM	SEL.Adsb_Disable_Adv = Active
Advisory	IFF MODE SWITCH	17	15	Displayed when mode 4 automatically switches.	No	1	EICAS Center Column	Advisory Overflow	NA	NA	0.0 sec	1.0 sec	COMM	SEL.IFF_Mode_4_Switch_Alert = Active
Advisory	CHK IFF MODE 4	18	14	Advisory to notify operator to switch to Code B in Manual Mode.	No	1	EICAS Center Column	Advisory Overflow	NA	NA	0.0 sec	1.0 sec	COMM	SEL.Chk_Iff_Mode_4_Adv = Active
Advisory	NO APPR RAIM	19	12	FMS has not performed successful automatic predictive RAIM check prior to 2 NM before FAF.AND Aircraft is within 30 NM of Destination Airport	No	1	EICAS Center Column	Advisory Overflow	NA	Yes	0.0 sec	1.0 sec	FLT MGR	Sel.No_Appr_RAIM = Active
Advisory	NAV FAIL	20	8	All Navigators are unusable. No valid navigation mode. Cleared by upgrading to valid navigation mode.	Yes	1	EICAS Center Column	Advisory Overflow	NA	Yes	0.0 sec	1.0 sec	FLT MGR	SEL.Nav_Fail_Alert = Active
Advisory	MSN CARD ?	21	10	The correct configuration file is not listed on the CF card loaded in the DTU.	Yes	1	Advisory Overflow	NA	NA	Yes	15.0 sec	1.0 sec	SYS MGR	SEL.Missn_Card_Not_Found_Adv = Active
Advisory	NO MAINT CARD	22	13	No maintenance card is available for writing	Yes	1	Advisory Overflow	NA	NA	Yes	15.0 sec	1.0 sec	SYS MGR	SEL.No_Maint_Card_Ann = Active
Advisory	√ NAV DB DATE	23	13	NAV Database date exceeds the 28 day limit.	Yes	1	Advisory Overflow	NA	NA	Yes	0.0 sec	1.0 sec	FLT MGR	SEL.Chk_NAV_DB_Date_Adv = Active
Advisory	GPPU MISCOMPARE	24	15	OFP version mismatch	No	1	Advisory Overflow	NA	NA	Yes	0.0 sec	1.0 sec	SYS MGR	SEL.GPPU_Miscompare_Adv = Active
Advisory	MFD MISCOMPARE	25	14	OFP version mismatch	No	1	Advisory Overflow	NA	NA	Yes	0.0 sec	1.0 sec	SYS MGR	SEL.MFD_Miscompare_Adv = Active
Advisory	DCU MISCOMPARE	26	14	OFP version mismatch	No	1	Advisory Overflow	NA	NA	Yes	0.0 sec	1.0 sec	SYS MGR	SEL.DCS_Miscompare_Adv = Active
Advisory	CDU MISCOMPARE	27	14	OFP version mismatch	No	1	Advisory Overflow	NA	NA	Yes	0.0 sec	1.0 sec	SYS MGR	SEL.CDU_Miscompare_Adv = Active
Advisory	NAV DB MISMATCH	28	15	This advisory occurs when a database mismatch condition exists between Nav Databases in CDU 1 & 2.	No	1	Advisory Overflow	NA	NA	Yes	0.0 sec	1.0 sec	FLT MGR	SEL.DB_Mismatch = Active
Advisory	NO NAV DB	29	9	Navigation Database is not loaded or not accessible.	No	1	Advisory Overflow	NA	NA	Yes	0.0 sec	1.0 sec	FLT MGR	SEL.No_Nav_DB = Active
Advisory	NO NAV DB 1	30	11	There is no Nav DB in CDU 1.	No	1	Advisory Overflow	NA	NA	Yes	0.0 sec	1.0 sec	FLT MGR	SEL.No_NAV_DB_1 = Active
Advisory	NO NAV DB 2	31	11	There is no Nav DB in CDU 2.	No	1	Advisory Overflow	NA	NA	Yes	0.0 sec	1.0 sec	FLT MGR	SEL.No_NAV_DB_2 = Active

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Advisory	CHK APPR DATUM	32	14	With a database, non-precision flight plan approach, Datum 47 (WGS-84) not selected when operator Flight Mode transitions to TERMINAL OR a Datum other than Datum 47 (WGS-84) is selected while in TERMINAL mode OR Datum 47 (WGS-84) not selected when operator Flight Mode is in APPROACH mode.	Yes	1	Advisory Overflow	NA	NA	Yes	0.0 sec	1.0 sec	FLT MGR	SEL.CHK_Aprr_Datum = Active
Advisory	VERIFY DATUM	33	12	A datum change occurred due to transitioning from Military mode to Civil mode.	Yes	2	Advisory Overflow	NA	NA	Yes	0.0 sec	1.0 sec	FLT MGR	SEL.Verify_Datum = Active
Advisory	LSR ILLUM ARMED	34	15	Indicates that the ESS Laser Illuminator is Armed	Yes	1	Advisory Overflow	NA	NA	Yes	0.0 sec	0.0 sec	MSN SNSR	SEL.Laser_Armed_Adv = Active
Advisory	LSR ILLUM ON	35	12	Indicates that the ESS Laser Illuminator is ON	Yes	1	Advisory Overflow	NA	NA	Yes	0.0 sec	0.0 sec	MSN SNSR	SEL.Laser_On_Adv = Active
Advisory	EOIR OPERATE	36	12	The EOIR indicates that it is set to operate mode.	No	1	Advisory Overflow	NA	NA	Yes	0.0 sec	0.0 sec	MSN SNSR	SEL.EOIR_Operate_Adv = Active
Advisory	EOIR CAGED	37	10	EOIR Indicates that it is in the caged mode.	No	1	Advisory Overflow	NA	NA	Yes	0.0 sec	3.0 sec	MSN SNSR	SEL.EOIR_Caged_Adv = Active
Advisory	EOIR STANDBY	38	12	The EOIR indicates that it is set to standby mode.	No	1	Advisory Overflow	NA	NA	Yes	0.0 sec	0.0 sec	MSN SNSR	SEL.EOIR_Standby_Adv = Active
Advisory	NO RMM	39	6	No RMM is installed.	Yes	1	Advisory Overflow	NA	NA	Yes	0.0 sec	0.0 sec	SYS MGR	SEL.No_RMM_Adv = Active
Advisory	HIDS DOOR OPEN	40	14	HIDS Door is open.	Yes	1	Advisory Overflow	NA	NA	Yes	0.0 sec	0.0 sec	SYS MGR	SEL.HIDS_Door_Open_Adv = Active
Advisory	RMM SANITIZING	41	14	RMM Sanitize/Erase is in process. Cleared at completion of Sanitize process.	No	1	Advisory Overflow	NA	NA	Yes	0.0 sec	0.0 sec	SYS MGR	SEL.RMM_Zeroizing = Active
Advisory	RMM 15 MIN LEFT	42	15	Approximately 15 minutes of record time is left until RMM is full.	Yes	1	Advisory Overflow	NA	NA	Yes	0.0 sec	15 sec	SYS MGR	SEL.HIDS_15_Min_Avail_Adv = Active
Advisory	AUDIO RECORD?	43	13	On for 3 seconds at initial selection to record audio, then off if audio is not selected to record. Off if audio is selected for record.	Yes	1	Advisory Overflow	NA	NA	Yes	0.0 sec	0.0 sec	SYS MGR	SEL.RMM_Classify_Q_Adv = Active
Advisory	AUDIO RECORDING	44	15	On and latched until power cycle if audio is selected for recording.	No	1	Advisory Overflow	NA	NA	Yes	0.0 sec	0.0 sec	SYS MGR	SEL.RMM_Classified_Adv = Active
Advisory	HIDS TIME ERROR	45	15	Time sync fault detected from the HIDS.	Yes	1	Advisory Overflow	NA	NA	Yes	0.0 sec	0.0 sec	SYS MGR	SEL.HIDS_Time_Sync_Error_Adv = Active
Advisory	RMM OVERWRITE	46	13	RMM is full and is overwriting video, audio, or data files.	Yes	1	Advisory Overflow	NA	NA	Yes	0.0 sec	0.0 sec	SYS MGR	SEL.HIDS_Cyclic_Record_Adv = Active
Advisory	FLOAT 1 ARMED	47	13	Indicates the emergency flotation system is armed.	No	1	Advisory Overflow	NA	NA	NA	0.5 sec	2.0 sec	CDU I/O	SEL.DCS.Float_1_Armed=Active
Advisory	FLOAT 2 ARMED	48	13	Indicates the emergency flotation system is armed.	No	1	Advisory Overflow	NA	NA	NA	0.5 sec	2.0 sec	CDU I/O	SEL.DCS.Float_2_Armed=Active

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946-1633-002	Rev –	

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Advisory	WOW	49	3	Indicates weight on wheels	No	1	EICAS Center Column	Advisory Overflow	NA	NA	0.0 sec	0.2 sec	SYS MGR	Weight_On_Wheels = Active
Advisory	EGI INTEGRITY	50	13	Both EGI1 and EGI2 Blended INAV positions are valid and differ by more than the Alert Limit for the Scaling Mode	Yes	1	Advisory Overflow	NA	NA	Yes	0.0 sec	1.0 sec	FLT MGR	SEL.EGI_Integrity_Adv = Active
Advisory	GPS INTEGRITY	51	13	Both GPS1 and GPS2 Smoothed solution positions (G-6 Foreground Smooth Solutions) are valid and their positions differ by more than the Alert Limit for the Scaling Mode	Yes	1	Advisory Overflow	NA	NA	Yes	0.0 sec	1.0 sec	FLT MGR	SEL.GPS_Integrity_Adv = Active
Advisory	CHECK NAV ERROR	52	15	95% error of the navigation solution exceeds the navigation warning limit	Yes	1	Advisory Overflow	NA	NA	Yes	0.0 sec	1.0 sec	FLT MGR	SEL.Check_Nav_Error = Active
Advisory	EGI1 NAV FAIL	53	13	EGI1 solution transition to an unusable state.	Yes	1	Advisory Overflow	NA	NA	Yes	0.0 sec	1.0 sec	FLT MGR	SEL.EGI_1_Nav_Failure_Adv = Active
Advisory	EGI2 NAV FAIL	54	13	EGI2 solution transition to an unusable state.	Yes	1	Advisory Overflow	NA	NA	Yes	0.0 sec	1.0 sec	FLT MGR	SEL.EGI_2_Nav_Failure_Adv = Active
Advisory	GPS1 NAV FAIL	55	13	No data sent to GPS 1 receiver during navigation.	Yes	1	Advisory Overflow	NA	NA	Yes	0.0 sec	1.0 sec	FLT MGR	SEL.GPS_1_Nav_Failure_Adv = Active
Advisory	GPS2 NAV FAIL	56	13	No data sent to GPS 2 receiver during navigation.	Yes	1	Advisory Overflow	NA	NA	Yes	0.0 sec	1.0 sec	FLT MGR	SEL.GPS_2_Nav_Failure_Adv = Active
Advisory	INU1 IMA FAIL	57	13	30 minutes has elapsed since the INU1 started the In-Motion Alignment, and the INU1 has not indicated that Nav mode is available.	Yes	1	Advisory Overflow	NA	NA	Yes	0.0 sec	1.0 sec	FLT MGR	Sel.INU1_IMA_Fail = Active
Advisory	INU2 IMA FAIL	58	13	30 minutes has elapsed since the INU2 started the In-Motion Alignment, and the INU2 has not indicated that Nav mode is available.	Yes	1	Advisory Overflow	NA	NA	Yes	0.0 sec	1.0 sec	FLT MGR	Sel.INU2_IMA_Fail = Active
Advisory	NAV PROGRESSION	59	15	10 Seconds prior to switching to the next navigator.	Yes	1	Advisory Overflow	NA	NA	Yes	0.0 sec	1.0 sec	FLT MGR	SEL.NAV_Progression = Active
Advisory	PNAV CHANGE	60	11	The navigation solution for the currently selected navigator becomes UNAVAILABLE. (Navigator Selection Mode can be MANUAL or AUTOMATIC)	Yes	2	Advisory Overflow	NA	NA	Yes	0.0 sec	1.0 sec	FLT MGR	Sel.PNAV_Mode_Change = Active
Advisory	NAV UP AVAIL	61	12	A higher priority navigator becomes usable and the operator is in manual navigator selection mode.	Yes	2	Advisory Overflow	NA	NA	Yes	0.0 sec	1.0 sec	FLT MGR	Sel.NAV_Up_Mode_Avail = Active
Advisory	INU1 NAV READY	62	14	INU1 indicates that enable nav can be selected to put the INU into nav mode.	Yes	1	Advisory Overflow	NA	NA	Yes	0.0 sec	1.0 sec	FLT MGR	SEL.INU1_Nav_Ready_Adv = Active
Advisory	INU2 NAV READY	63	14	INU2 indicates that enable nav can be selected to put the INU into nav mode.	Yes	1	Advisory Overflow	NA	NA	Yes	0.0 sec	1.0 sec	FLT MGR	SEL.INU2_Nav_Ready_Adv = Active
Advisory	EMCON ACTIVE	64	13	EMCON has been selected for ALL emitters.	Yes	1	Advisory Overflow	NA	NA	NA	0.0 sec	1.0 sec	SYS MGR	SEL.EMCOM_Active_Adv = Active
Advisory	SIMULATION ACTV	65	15	Model Aircraft function is turned on.	No	1	Advisory Overflow	NA	NA	NA	0.0 sec	1.0 sec	FLT MGR	SEL.Simulation_Active_Adv = Active

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Advisory	CM1 RCVD MESS	66	13	Transmission of data from another terminal is received.	No	1	Advisory Overflow	NA	NA	Yes	0.0 sec	3.0 sec	COMM	SEL.V1_Message_Received_Adv = Active
Advisory	HF RCVD MESSAGE	67	15	A message has been received	No	1	Advisory Overflow	NA	NA	Yes	0.0 sec	3.0 sec	COMM	SEL.Rcvd_Message_Pending_Adv = Active
Advisory	√ CM3 DISTRESS	68	14	A distress message has been received by the RT-5000 SAR	Yes	1	Advisory Overflow	NA	NA	Yes	0.0 sec	1.0 sec	COMM	SEL.Check_F5_Distress_Adv = Active
Advisory	CHK RNP VALUE	69	13	Operator entered Manual RNP Value is greater than base RNP value.	No	1	Advisory Overflow	NA	NA	Yes	0.0 sec	1.0 sec	FLT MGR	Sel.Chk_RNP_Value = Active
Advisory	MIL MODE ACTIVE	70	15	Indicates that the operational mode (Military or Civil) is selected to MILITARY.	No	1	Advisory Overflow	NA	NA	Yes	0.0 sec	0.0 sec	FLT MGR	Sel.Mil_Mode_Active = Active
Advisory	GUID MODE OFF	71	13	Disengagement of active guidance mode.	Yes	2	Advisory Overflow	NA	NA	Yes	0.0 sec	1.0 sec	FLT DIR	SEL.Guidance_Mode_Disengaged_Alert = Active
Advisory	ALARM CLOCK 1	72	14	When the alarm is on and the "ALARM SET" value is reached	Yes	2	Advisory Overflow	NA	NA	Yes	0.0 sec	0.0 sec	SYS MGR	SEL.Alarm_Clock_1_Ann = Active
Advisory	ALARM CLOCK 2	73	13	When the alarm is on and the "ALARM SET" value is reached	Yes	2	Advisory Overflow	NA	NA	Yes	0.0 sec	0.0 sec	SYS MGR	SEL.Alarm_Clock_2_Ann = Active
Advisory	√ TIMER 1	74	9	Timer 1 count-down to zero.	Yes	2	Advisory Overflow	NA	NA	Yes	0.0 sec	0.0 sec	SYS MGR	SEL.Check_Timer_1_Ann = Active
Advisory	√ TIMER 2	75	9	Timer 2 count-down to zero.	Yes	2	Advisory Overflow	NA	NA	Yes	0.0 sec	0.0 sec	SYS MGR	SEL.Check_Timer_2_Ann = Active
Advisory	√ TIMER 3	76	9	Timer 3 count-down to zero.	Yes	2	Advisory Overflow	NA	NA	Yes	0.0 sec	0.0 sec	SYS MGR	SEL.Check_Timer_3_Ann = Active
Advisory	NO INTERCEPT	77	12	Time to next moving waypoint exceeds the maximum specified time.	Yes	2	Advisory Overflow	NA	NA	Yes	0.0 sec	1.0 sec	FLT MGR	SEL.Intercept_Impossible_Alert = Active
Advisory	UNABLE FPLN SEQ	78	15	Helicopter will not be able to sequence a point in the flight plan due to aircraft lateral or vertical flight path.	Yes	1	Advisory Overflow	NA	NA	Yes	0.0 sec	1.0 sec	FLT MGR	SEL.Unable_Fpln_Seq = Active
Advisory	MISSED APPR	79	11	The ILS mode is active and the lateral or vertical deviation has exceeded the threshold	No	1	Advisory Overflow	NA	NA	Yes	0.0 sec	3.0 sec	FLT DIR	SEL.Missed_Approach_Alert = Active
Advisory	APPROACH ACTIVE	80	15	When the Missed Approach Point (MAP) is the active LEG (i.e., Approach (APR) leg is the active leg).	No	1	Advisory Overflow	NA	NA	Yes	0.0 sec	1.0 sec	FLT MGR	Sel.Approach_Active = Active
Advisory	APPR REF ONLY	81	13	When the aircraft is within the terminal area of the destination airport with an approach selected in the Active Flight Plan that is not approved for primary navigation.	Yes	2	Advisory Overflow	NA	NA	Yes	0.1 sec	1.0 sec	FLT MGR	Sel.Appr_Ref_Only = Active
Advisory	OFFSET CNCLD	82	12	Parallel offset automatically cancelled.	No	1	Advisory Overflow	NA	NA	Yes	0.0 sec	3.0 sec	FLT MGR	SEL.Offset_Canceled_Alert = Active
Advisory	OFFSET LIMITED	83	14	** Not Supported in RNP RNAV 9.04** For Offsets including a turn of greater than 90 degrees, and the offset turn point exceeds the offset distance by a factor of 2.	No	1	Advisory Overflow	NA	NA	Yes	0.0 sec	1.0 sec	FLT MGR	SEL.Offset_Limited = Active

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Advisory	OFFSET WILL END	84	15	Within two minutes Time To Go on active leg prior to an automatic offset cancellation.	No	1	Advisory Overflow	NA	NA	Yes	0.0 sec	1.0 sec	FLT MGR	SEL.Offset_Will_End = Active
Advisory	OFFSET	85	6	Parallel offset is applied	No	1	Advisory Overflow	NA	NA	Yes	0.0 sec	1.0 sec	FLT MGR	SEL.Offset_Alert = Active
Advisory	INTERCEPT ACTV	86	14	An intercept point is the TO flight plan point.	No	1	Advisory Overflow	NA	NA	Yes	0.0 sec	1.0 sec	FLT MGR	SEL.Intercept_Active_Alert = Active
Advisory	EXITING HOLD	87	12	Hold is Exiting via EXIT HOLD OR automatic transition.	No	1	Advisory Overflow	NA	NA	Yes	0.0 sec	1.0 sec	FLT MGR	SEL.Exiting_Hold = Active
Advisory	HOLD ACTIVE	88	11	Hold Datum is the "TO" flight plan point	No	1	Advisory Overflow	NA	NA	Yes	0.0 sec	1.0 sec	FLT MGR	SEL.Hold_Active_Alert = Active
Advisory	PATTERN ACTIVE	89	14	Circle, Impromptu, Expanding Square, Ladder, or Sector SAR pattern is active. Pattern is being executed	No	1	Advisory Overflow	NA	NA	Yes	0.0 sec	1.0 sec	FLT MGR	SEL.Pattern_Active_Alert = Active
Advisory	PROC TURN RQD	90	13	When the FAF is the active leg and a Procedure Turn will occur. Note: Removed when PROC TURN ACTV is active. Raised during Military approach procedures only.	No	1	Advisory Overflow	NA	NA	Yes	0.0 sec	1.0 sec	FLT MGR	SEL.Proc_Turn_Rqd = Active
Advisory	PROC TURN ACTV	91	14	When a procedure turn is active. Note: Annunciation will stay up for entire procedure turn. Raised during Military approach procedures only.	No	1	Advisory Overflow	NA	NA	Yes	0.0 sec	1.0 sec	FLT MGR	Sel.Proc_Turn_Actv = Active
Advisory	MOVING ACP ACTV	92	15	When a Moving ACP is the active LEG.	No	1	Advisory Overflow	NA	NA	Yes	0.0 sec	1.0 sec	FLT MGR	Sel.Moving_ACP_Actv = Active
Advisory	LON CG LIMITS	93	14	Longitudinal CG falls outside of predefined limits. OR Longitudinal CG falls outside of predefined limits in Flight Leg XXX.	Yes	1	Advisory Overflow	NA	NA	Yes	0.0 sec	1.0 sec	FLT MGR	"SEL.PPOS_LON_CG_Out_Of_Limit_Alert = Active OR SEL.LON_CG_Out_Of_Limit_Alert = Active"
Advisory	EXCESS TRQ	94	10	The required torque for the recommended airspeed/groundspeed from performance is greater than the power limit for the aircraft, where the power limit is based on either the aircraft transmission limit or torque available, which ever is most conservative. OR Power required for one or more legs XXX of the flight plan is greater than engine or transmission capacity.	Yes	1	Advisory Overflow	NA	NA	Yes	0.0 sec	1.0 sec	FLT MGR	"SEL.PPOS_Excess_Power_Required_Alert = Active OR SEL.Excess_Power_Required_Alert = Active"
Advisory	IMPOSS SPD	95	10	When the performance recommended airspeed is limited by the aircraft never exceed airspeed. OR Aircraft exceeds aircraft speed envelope for one or more of the flight plan legs XXX	Yes	1	Advisory Overflow	NA	NA	Yes	0.0 sec	1.0 sec	FLT MGR	"SEL.PPOS_Impossible_Airpseed_Required_Alert = Active OR SEL.Impossible_Airspeed_Required_Alert = Active"

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Advisory	EXCESS GWT RAMP	96	15	The aircraft ramp gross weight exceeds the maximum allowable gross weight of 9590lbs.	Yes	1	Advisory Overflow	NA	NA	Yes	0.0 sec	1.0 sec	FLT MGR	"SEL.PPOS_Excess_Ramp_Weight_Alert = Active"
Advisory	EXCESS GWT FLT	97	14	The aircraft gross weight exceeds the maximum allowable flight gross weight of 9480lbs. OR The helicopter empty weight plus fuel and passengers/cargo weight is greater than the helicopters capacity during one or more legs XXX.	Yes	1	Advisory Overflow	NA	NA	Yes	0.0 sec	1.0 sec	FLT MGR	"SEL.PPOS_Excess_Gross_Weight_Alert = Active OR SEL.Excess_Gross_Weight_Alert = Active"
Advisory	EXCESS SPD	98	10	When the performance recommended airspeed is limited by the aircraft stall speed. OR Speed will put CGI in the yellow zone in Flight Leg XXX	Yes	1	Advisory Overflow	NA	NA	Yes	0.0 sec	1.0 sec	FLT MGR	"SEL.PPOS_Excess_Airspeed_Required_Alert = Active OR SEL.Excess_Airspeed_Required = Active"
Advisory	EXCESS ZONE WT	99	14	Raised when a cargo zone weight exceeds a cargo zone weight limit. OR Raised when a cargo zone weight exceeds a cargo zone weight limit for a given FP leg XXX.	Yes	1	Advisory Overflow	NA	NA	Yes	0.0 sec	1.0 sec	FLT MGR	"SEL.PPOS_Excess_Cargo_Zone_Weight_Alert = Active OR SEL.Excess_Cargo_Zone_Weight_Alert = Active"
Advisory	PERF CALC ERROR	100	15	The PDB does not have tabular data due to an operational envelope.	Yes	1	Advisory Overflow	NA	NA	Yes	0.0 sec	1.0 sec	FLT MGR	SEL.Invalid_Torque_Required = Active
Advisory	UNABLE ETA/ETD	101	14	Performance predicts that a RTA/RTD on FPP XXX will not achieved, even after adjusting other required parameters.	Yes	1	Advisory Overflow	NA	NA	Yes	0.0 sec	1.0 sec	FLT MGR	SEL.Unable_Eta_Etd_Alert = Active
Advisory	UNABLE AS XXX	102	13	The required airspeed for Flight Leg XXX cannot be flown due to aircraft performance limitations.	Yes	1	Advisory Overflow	NA	NA	Yes	0.0 sec	1.0 sec	FLT MGR	SEL.Unable_Asf_Alert = Active
Advisory	UNABLE GS XXX	103	13	The required groundspeed for Flight Leg XXX cannot be flown due to aircraft performance limitations.	Yes	1	Advisory Overflow	NA	NA	Yes	0.0 sec	1.0 sec	FLT MGR	SEL.Unable_Gsf_Alert= Active
Advisory	UNABLE ETE XXX	104	14	The required time enroute for Flight Leg XXX cannot be achieved due to aircraft performance limitations.	Yes	1	Advisory Overflow	NA	NA	Yes	0.0 sec	1.0 sec	FLT MGR	SEL.Unable_Eef_Alert = Active
Advisory	EXCESS WIND XXX	105	15	The predicted wind magnitude results in a negative GS computation in Flight Leg XXX.	Yes	1	Advisory Overflow	NA	NA	Yes	0.0 sec	1.0 sec	FLT MGR	SEL.Excess_Wind_Alert = Active
Advisory	ENG IDLE	106	8	The ENG IDLE annunciation is displayed in white whenever the corresponding DECU1 switch is placed in the IDLE position.	No	1	EICAS Left Column	Advisory Overflow	NA	Yes	0.0 sec	1.0 sec	CDU I/O	SEL.DECU.Engine_1_Idle
Advisory	ENG IDLE	107	8	The ENG IDLE annunciation is displayed in white whenever the corresponding DECU2 switch is placed in the IDLE position.	No	1	EICAS Right Column	Advisory Overflow	NA	Yes	0.0 sec	1.0 sec	CDU I/O	SEL.DECU.Engine_2_Idle

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65E Type	65E Text	PRIORITY	Text Length	Trigger Conditions	Ack Req'd	Ack Type	Primary Location	Secondary Location	CDU Location	CHECK EICAS WCA	Set Time	Reset Time	Primary Source to EICAS	Condition
Advisory	HEAT ON	108	7	Placing the overhead HEAT switch to ON illuminates the HEAT ON advisory text on the EICAS page, energizes the cabin temperature probe fan and opens the bleed air shut-off valve.	No	1	Advisory Overflow	NA	NA	NA	0.0 sec	1.0 sec	CDU I/O	SEL.DCS.P2_Heat_Control=Active
Advisory	LDG LOCK	109	8	A LDG LOCK indicates that the landing gear is in the down position	No	1	EICAS Center Column	Advisory Overflow	NA	NA	0.0 sec	1.0 sec	CDU I/O	SEL.R_Gear_Downlock=Active, and SEL.L_Gear_Downlock=Active, and SEL.Nose_Gear_Downlock=Active
Advisory	TALON ARMED	110	11	Indicates the Talon momentary switch is in the engaged positioned.	No	1	EICAS Center Column	Advisory Overflow	NA	NA	0.5 sec	1.0 sec	CDU I/O	SEL.DCS.Talon_Armed=Active
Advisory	C SYNC	111	6	Indicates that collective mode is being synchronized using the COLL SYNC pushbutton on the collective when FD is coupled, Collective Engage is Active, and any of the following modes Active - THOV Vertical (including native FD Hover Mode), HOV AUG Vertical, VSPD, BALT, RALT, or GA Vertical.	No	1	EICAS Center Column	Advisory Overflow	NA	Yes	0.0 sec	0.1 sec	CDU I/O	SEL.DCS.Collective_Sync_On=Active, AND Discrete_Manager.Fd_Ucpl_Wca=Inactive, AND SEL.DCS.Collective_Engage_A=Active, AND [Sel.Thov_Mode_Vert_State=Active OR Sel.Vertical_Speed_Select_Mode_State=Active OR Sel.Barometric_Altitude_Select_Mode_State=Active OR Sel.Radar_Altitude_Select_Mode_State=Active OR Sel.Ga_Mode_Vert_State=Active OR Sel.Hov_Mode_Vert_State = Active OR Sel.Hov_Aug_Mode_Vert_State = Active]
Advisory	RALT/BALT TRANS	112	15	Transition to barometric altimeter data from radar altimeter data during RALT to BALT guidance mode transition.	Yes	2	EICAS Center Column	Advisory Overflow	NA	Yes	0.0 sec	1.0 sec	FLT DIR	SEL.RALT/BALT_Transition_Alert = Active
Advisory	FD FUNC INOP	113	12	When any input required by the mode being selected is invalid.	Yes	2	EICAS Center Column	Advisory Overflow	NA	Yes	0.0 sec	1.0 sec	FLT DIR	SEL.Function_Inop_Alert = Active
Advisory	CHECK EICAS	114	11	A pilot critical advisory has been set on the EICAS page and no MFD is on the EICAS page.  Note: See the CHECK EICAS WCA column for Advisories included.	Yes	NA	PFD	NA	NA	NA	0.2 sec	1.0 sec	NA	See MFD DM SRS section titled "CHECK EICAS Advisory".

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Table 4: MH-65E Annunciations

65E Type	65E Text	PRIORITY	Text Length	Trigger Conditions	Ack Req'd	Ack Type	Primary Location	Secondary Location	CDU Location	CHECK EICAS WCA	Set Time	Reset Time	Primary Source to EICAS	Condition
Annunciation - CDU	ENTER UTC	1	9	On power up if time is not available and crew has not entered time, or if bus control is switched with time not valid.	N/A	2	CDU	NA	NA	NA	0.0 sec	1.0 sec	FLT MGR	SEL.Enter_UTC_Ann = Active
Annunciation - CDU	CHK IFF TIME	2	12	The IFF has reported an issue with Mode 5 time of day (TOD) functionality. IFF 1553 TXSA 22 Word 3 bit 3-6 "Crypto TOD Status" = 0, 2, or 3. KIV-77 Installed ((M5 Interlock, SA22 W2 B15 = 1) AND (M4 Interlock, SA22 W2 B8 = 0)) AND one of the following anomalies has occurred: 0 - KIV-77 TOD is not operational. 2 - KIV-77 TOD is operational, but the transponder had to auto update the KIV-77 TOD at least twice within the last 3 hour period. Note: This can only happen when Auto Time Update is enabled and may indicate a potential problem. 3 - The transponder has received a platform TOD update this is not consistent with previous platform TOD updates.	N/A	2	CDU	NA	NA	NA	0.0 sec	1.0 sec	COMM	SEL.Chk_Iff_Time = Active
Annunciation - CDU	NON WGS 84 DATUM	3	16	Any of the following conditions will activate the NON WGS 84 DATUM CDU Annunciation: 1. An attempt to enable ADS-B Out is performed when the Primary Navigator datum is not WGS 84. 2. The Primary Navigator is changed away from a WGS 84 datum when ADS-B Out is ON. 3. Mode S is enabled when the Primary Navigator datum is not WGS 84.	N/A	2	CDU	NA	NA	NA	0.0 sec	1.0 sec	COMM	SEL.Non_Wgs_84_Datum = Active
Annunciation - CDU	ADS-B POSN FAIL	4	15	The position data required for ADS-B Out functionality is not being provided by the position source.	N/A	2	CDU	NA	NA	NA	0.0 sec	1.0 sec	COMM	SEL.ADSB_Posn_Fail = Active
Annunciation - CDU	SYNC IFF TOD	5	12	The IFF has reported an issue with Mode 5 time of day (TOD) functionality. IFF 1553 TXSA 22 Word 3 bit 3-6 "Crypto TOD Status" = 4. (KIV-77 Installed) 4 - The KIV-77 TOD is not within 2 seconds of the most current platform provided TOD. (Out-of-Sync Time Warning) Note: This can only happen when Auto Time Update is disabled	N/A	2	CDU	NA	NA	NA	0.0 sec	1.0 sec	COMM	SEL.Sync_Iff_Tod = Active

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Annunciation - CDU	PTT FOR XMIT BIT	6	16	HF IBIT has been initiated and Push to Talk is required for IBIT completion.	N/A	2	CDU	NA	NA	NA	0.0 sec	1.0 sec	COMM	SEL.Arc_220_Test_Ptt_Ann = Active
Annunciation - CDU	MODE 4 REPLY	7	12	The IFF indicates a MODE 4 REPLY condition, except when IFF indicates mode 4 is unavailable tied to the IFF is unavailable.	N/A	2	CDU	NA	NA	NA	0.0 sec	1.0 sec	COMM	SEL.M4_Reply = Active
Annunciation - CDU	MODE 5 REPLY	8	12	The IFF indicates a MODE 5 REPLY condition, except when IFF indicates mode 5 is unavailable tied to the IFF is unavailable.	N/A	2	CDU	NA	NA	NA	0.0 sec	1.0 sec	COMM	SEL.M5_Reply = Active
Annunciation - CDU	CM1 DAMA ZEROIZED	9	17	DAMA has been zeroized	N/A	1	CDU	NA	NA	NA	0.0 sec	1.0 sec	COMM	SEL.V1_Dama_Zeroized_Ann = Active
Annunciation - CDU	CM1 DAMA OFFLINE	10	16	Logged out of the Network by the Channel Controller	N/A	1	CDU	NA	NA	NA	0.0 sec	1.0 sec	COMM	SEL.V1_Dama_Offline_Ann = Active
Annunciation - CDU	CM1 SLOT DISCONNECTED	11	21	25K DC preset becomes inactive	N/A	1	CDU	NA	NA	NA	0.0 sec	1.0 sec	COMM	SEL.V1_Slot_Disconnected_Ann = Active
Annunciation - CDU	CM1 DAMA LOGIN FAILURE	12	22	Unsuccessful login to the DAMA network	N/A	1	CDU	NA	NA	NA	0.0 sec	1.0 sec	COMM	SEL.V1_Dama_Login_Failure_Ann = Active
Annunciation - CDU	CM1 OOS	13	7	An out of service notification has been received from the channel controller in 25K DAMA.	N/A	1	CDU	NA	NA	NA	0.0 sec	1.0 sec	COMM	SEL.V1_Oos_Ann = Active
Annunciation - CDU	CM1 CONSTANT KEY ALARM	14	22	PTT has been keyed for 17 minutes and the Net Controller is going to log user out of network	N/A	1	CDU	NA	NA	NA	0.0 sec	1.0 sec	COMM	SEL.V1_Constant_Key_Alarm_Ann = Active
Annunciation - CDU	CM1 CONFIG CHANGE	15	17	Net Controller has changed the channel, format or mode of terminal	N/A	1	CDU	NA	NA	NA	0.0 sec	1.0 sec	COMM	SEL.V1_Config_Change_Ann = Active
Annunciation - CDU	CM1 CALL FAILED	16	15	Attempt to make a DAMA call was unsuccessful	N/A	1	CDU	NA	NA	NA	0.0 sec	1.0 sec	COMM	SEL.V1_Call_Failed_Ann = Active
Annunciation - CDU	CM1 DASA FAIL	17	13	A DASA channel did not get set up successfully	N/A	1	CDU	NA	NA	NA	0.0 sec	1.0 sec	COMM	SEL.V1_Dasa_Failed_Ann = Active
Annunciation - CDU	CM1 DAMA HANGUP	18	15	A DAMA call has been remotely deactivated	N/A	1	CDU	NA	NA	NA	0.0 sec	1.0 sec	COMM	SEL.V1_Dama_Hangup_Ann = Active
Annunciation - CDU	CM1 DAMA ONLINE	19	15	Successful login to the DAMA network	N/A	1	CDU	NA	NA	NA	0.0 sec	1.0 sec	COMM	SEL.V1_Dama_Online_Ann = Active
Annunciation - CDU	CM1 DAMA POOR	20	13	DAMA link quality is POOR	N/A	1	CDU	NA	NA	NA	0.0 sec	1.0 sec	COMM	SEL.V1_Dama_Poor_Ann = Active

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946-1633-002	Rev –	

Warnings, Cautions, Advisories and Annunciations Table for the US Coast Guard (USCG) MH-65E Avionics Phase 3 Upgrade

65E Type	65E Text	PRIORITY	Text Length	Trigger Conditions	Ack Req'd	Ack Type	Primary Location	Secondary Location	CDU Location	CHECK EICAS WCA	Set Time	Reset Time	Primary Source to EICAS	Condition
Annunciation - CDU	CM1 GUARD UPDATED	21	17	Net Controller has updated the guard list	N/A	1	CDU	NA	NA	NA	0.0 sec	1.0 sec	COMM	SEL.V1_Guard_Updated_Ann = Active
Annunciation - CDU	CM1 INFO REQUEST	22	16	An information request has been received.	N/A	1	CDU	NA	NA	NA	0.0 sec	1.0 sec	COMM	SEL.V1_Info_Request_Ann = Active
Annunciation - CDU	CM1 CALL IN QUEUE	23	17	DAMA/DASA call request has been placed in queue	N/A	1	CDU	NA	NA	NA	0.0 sec	1.0 sec	COMM	SEL.V1_Call_In_Queue_Ann = Active
Annunciation - CDU	CM1 DAMA PREEMPT	24	16	5k DAMA call has been preempted	N/A	1	CDU	NA	NA	NA	0.0 sec	1.0 sec	COMM	SEL.V1_Dama_Preempt_Ann = Active
Annunciation - CDU	CM1 CALL ACTIVE	25	15	A DAMA call has become active	N/A	1	CDU	NA	NA	NA	0.0 sec	1.0 sec	COMM	SEL.V1_Call_Active_Ann = Active
Annunciation - CDU	CM1 SLOT CONNECTED	26	18	25K DC preset becomes active	N/A	1	CDU	NA	NA	NA	0.0 sec	1.0 sec	COMM	SEL.V1_Slot_Connected_Ann = Active
Annunciation - CDU	CM1 DASA ACTIVE	27	15	A DASA channel has become active	N/A	1	CDU	NA	NA	NA	0.0 sec	1.0 sec	COMM	SEL.V1_Dasa_Active_Ann = Active
Annunciation - CDU	CM1 CALL COMPLETE	28	17	A DAMA call has been terminated by the user	N/A	1	CDU	NA	NA	NA	0.0 sec	1.0 sec	COMM	SEL.V1_Call_Complete_Ann = Active
Annunciation - CDU	CM1 CALL WAITING	29	16	Notification that a call from another user is waiting	N/A	1	CDU	NA	NA	NA	0.0 sec	1.0 sec	COMM	SEL.V1_Call_Waiting_Ann = Active
Annunciation - CDU	CM1 INCOMING DATA	30	17	Transmission of data from another terminal is in process	N/A	1	CDU	NA	NA	NA	0.0 sec	1.0 sec	COMM	SEL.V1_Incoming_Data_Ann = Active
Annunciation - CDU	CM1 INCOMING MSG	31	16	Transmission of data from another terminal is in process	N/A	1	CDU	NA	NA	NA	0.0 sec	1.0 sec	COMM	SEL.V1_Incoming_Msg_Ann = Active
Annunciation - CDU	CM1 CHECK OPT #	32	15	COMSEC settings and opt numbers are not compatible	N/A	1	CDU	NA	NA	NA	0.0 sec	1.0 sec	COMM	SEL.V1_Check_Opt_Num_Ann = Active
Annunciation - CDU	HF INOP MODE	33	12	Presently selected HF mode is inoperable	N/A	2	CDU	NA	NA	NA	0.0 sec	1.0 sec	COMM	SEL.Arc_220_Inop_Mode_Ann = Active
Annunciation - CDU	HF TIME FAIL	34	12	The HF GPS_Time_Request command failed. Operationally manual entry of time on the HF Start is required to operate the radio in ECCM or ALE LP.	N/A	1	CDU	NA	NA	NA	0.0 sec	1.0 sec	COMM	SEL.Arc_220_Time_Fail_Ann = Active
Annunciation - CDU	✓ HF POSN	35	9	Position report has been received by the HF radio	N/A	1	CDU	NA	NA	NA	0.0 sec	1.0 sec	COMM	SEL.Check_Arc_220_Psn_Report_Received = Active

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65E Type	65E Text	PRIORITY	Text Length	Trigger Conditions	Ack Req'd	Ack Type	Primary Location	Secondary Location	CDU Location	CHECK EICAS WCA	Set Time	Reset Time	Primary Source to EICAS	Condition
Annunciation - CDU	HF SEND DATA	36	12	HF is transmitting message data	N/A	2	CDU	NA	NA	NA	0.0 sec	1.0 sec	COMM	SEL.Arc_220_Send_Data_Ann = Active
Annunciation - CDU	HF POSN FAIL	37	12	HF transmittal of position report failed	N/A	2	CDU	NA	NA	NA	0.0 sec	1.0 sec	COMM	SEL.Arc_220_Position_Fail_Ann = Active
Annunciation - CDU	HF POSN ERROR	38	13	HF did not have time data available for sending a position report	N/A	2	CDU	NA	NA	NA	0.0 sec	1.0 sec	COMM	SEL.Arc_220_Position_Error_Ann = Active
Annunciation - CDU	HF RCV DATA	39	11	HF is receiving data message	N/A	2	CDU	NA	NA	NA	0.0 sec	1.0 sec	COMM	SEL.Arc_220_Receive_Data_Ann = Active
Annunciation - CDU	HF GO DATA	40	10	Channel quality is good enough for data only - voice not recommended	N/A	2	CDU	NA	NA	NA	0.0 sec	1.0 sec	COMM	SEL.Arc_220_Go_Data_Ann = Active
Annunciation - CDU	HF CALL FAIL	41	12	HF ALE call has failed	N/A	1	CDU	NA	NA	NA	0.0 sec	1.0 sec	COMM	SEL.Arc_220_Call_Fail_Ann = Active
Annunciation - CDU	HF HELD	42	7	HF is holding an ALE link	N/A	2	CDU	NA	NA	NA	0.0 sec	1.0 sec	COMM	SEL.Arc_220_Held_Ann = Active
Annunciation - CDU	HF LINKED	43	9	HF link has been established	N/A	2	CDU	NA	NA	NA	0.0 sec	1.0 sec	COMM	SEL.Arc_220_Linked_Ann = Active
Annunciation - CDU	HF CALLING	44	10	HF is placing a call	N/A	2	CDU	NA	NA	NA	0.0 sec	1.0 sec	COMM	SEL.Arc_220_Calling_Ann = Active
Annunciation - CDU	HF RCVG <XXX>	45	13	HF is receiving an ALE voice call	N/A	2	CDU	NA	NA	NA	0.0 sec	1.0 sec	COMM	SEL.Arc_220_Receiving_Ann = Active
Annunciation - CDU	HF SOUNDING	46	11	HF is performing an ALE sounding operation	N/A	2	CDU	NA	NA	NA	0.0 sec	1.0 sec	COMM	SEL.Arc_220_Sounding_Ann = Active
Annunciation - CDU	HF SCANNING	47	11	HF is in an ALE or ALE/ECCM mode and is scanning	N/A	2	CDU	NA	NA	NA	0.0 sec	1.0 sec	COMM	SEL.Arc_220_Scanning_Ann = Active
Annunciation - CDU	KY-100 REQUEST FAIL	48	19	The KY-100 failed to reach the end state from the last command.	N/A	1	CDU	NA	NA	NA	0.0 sec	1.0 sec	COMM	SEL.Ky_Request_Fail_Ann = Active
Annunciation - CDU	KY LOCKED	49	9	A menu lock or unlock operation failed.	N/A	1	CDU	NA	NA	NA	0.0 sec	1.0 sec	COMM	SEL.Ky_Locked_Ann = Active
Annunciation - CDU	KY ABORT	50	8	KY-100 indicates that the transmission has been preempted during MILSTAR voice operation in the Narrowband Black Digital mode.	N/A	1	CDU	NA	NA	NA	0.0 sec	1.0 sec	COMM	SEL.Ky_Abort_Ann = Active

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Warnings, Cautions, Advisories and Annunciations Table for the US Coast Guard (USCG) MH-65E Avionics Phase 3 Upgrade

65E Type	65E Text	PRIORITY	Text Length	Trigger Conditions	Ack Req'd	Ack Type	Primary Location	Secondary Location	CDU Location	CHECK EICAS WCA	Set Time	Reset Time	Primary Source to EICAS	Condition
Annunciation - CDU	KY BAD CLOCK	51	12	KY-100 has no clock signal present in Narrowband Black Digital mode.	N/A	1	CDU	NA	NA	NA	0.0 sec	1.0 sec	COMM	SEL.Ky_Bad_Clock_Ann = Active
Annunciation - CDU	KY BAD EBM	52	10	The user has attempted to enter the EMERGENCY BKUP (EB) mode with corrupted or non-existent EB key.	N/A	1	CDU	NA	NA	NA	0.0 sec	1.0 sec	COMM	SEL.Ky_Bad_Ebm_Ann = Active
Annunciation - CDU	KY BAD KEY	53	10	KY-100 indicates the unit has incorrect or corrupted encryption key selected.	N/A	1	CDU	NA	NA	NA	0.0 sec	1.0 sec	COMM	SEL.Ky_Bad_Key_Ann = Active
Annunciation - CDU	KY COMM ERROR	54	13	KY-100 indicates a communication error has occurred between the Modem and COMSEC PCBs.	N/A	1	CDU	NA	NA	NA	0.0 sec	1.0 sec	COMM	SEL.Ky_Comm_Error_Ann = Active
Annunciation - CDU	KY DEV ERROR	55	12	KY-100 indicates a fill device error.	N/A	1	CDU	NA	NA	NA	0.0 sec	1.0 sec	COMM	SEL.Ky_Device_Error_Ann = Active
Annunciation - CDU	KY EB ERROR	56	11	KY-100 indicates that the COMSEC subsystem received a restricted command while in EB mode.	N/A	1	CDU	NA	NA	NA	0.0 sec	1.0 sec	COMM	SEL.Ky_Eb_Error_Ann = Active
Annunciation - CDU	KY ERROR REKEY	57	14	KY-100 indicates the terminal has received a signal with a preamble indicating that the message is a rekeying message, a noisy receive signal, or a poor clock in Black Digital mode.	N/A	1	CDU	NA	NA	NA	0.0 sec	1.0 sec	COMM	SEL.KY_Error_Rekey_Ann = Active
Annunciation - CDU	KY FAIL KEY	58	11	KY-100 indicates incorrect or corrupted key selected.	N/A	1	CDU	NA	NA	NA	0.0 sec	1.0 sec	COMM	SEL.KY_Fail_Key_Ann = Active
Annunciation - CDU	HF CT ONLY	59	10	The user selected PT mode with the terminal configured for CT ONLY operation.	N/A	1	CDU	NA	NA	NA	0.0 sec	1.0 sec	COMM	SEL.Arc_220_Ct_Only_Ann = Active
Annunciation - CDU	KY-100 KEYS	60	11	The current update counter for the selected TEK location is 00 and the location contains no valid TEK. or the KY-100 performs a cold start-up and the KY-100 has no valid TEK variables stored.	N/A	1	CDU	NA	NA	NA	0.0 sec	1.0 sec	COMM	SEL.KY_Keys_Ann = Active
Annunciation - CDU	HF NO TEK	61	9	KY-100 indicates the selected TEK location does not contain a valid TEK.	N/A	1	CDU	NA	NA	NA	0.0 sec	1.0 sec	COMM	SEL.ARC_220_No_TEK_Ann = Active
Annunciation - CDU	HF PT ONLY	62	10	Plain text Only. The terminal has experienced a COMSEC failure or does not contain a valid TEK.	N/A	1	CDU	NA	NA	NA	0.0 sec	1.0 sec	COMM	SEL.ARC_220_PT_Only_Ann = Active
Annunciation - CDU	KY RCV NG	63	9	KY-100 indicates that a signal has been received, but the preamble is corrupted due to a noisy signal or poor external clock in the Black Digital modes.	N/A	1	CDU	NA	NA	NA	0.0 sec	1.0 sec	COMM	SEL.KY_Receiving_Ng_Ann = Active
Annunciation - CDU	KY RMV NCD	64	10	KY-100 indicates that the user has improperly configured the Network Control Device (NCD) during a NCD related operation.	N/A	1	CDU	NA	NA	NA	0.0 sec	1.0 sec	COMM	SEL.KY_RMV_NCD_Ann = Active

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Warnings, Cautions, Advisories and Annunciations Table for the US Coast Guard (USCG) MH-65E Avionics Phase 3 Upgrade

65E Type	65E Text	PRIORITY	Text Length	Trigger Conditions	Ack Req'd	Ack Type	Primary Location	Secondary Location	CDU Location	CHECK EICAS WCA	Set Time	Reset Time	Primary Source to EICAS	Condition
Annunciation - CDU	KY TX NOGO	65	10	KY-100 indicates that the transmit operation failed.	N/A	1	CDU	NA	NA	NA	0.0 sec	1.0 sec	COMM	SEL.KY_Transmit_NoGo_Ann = Active
Annunciation - CDU	CM1 ZEROIZE FAIL	66	16	The ARC-210 radio failed to zeroize.	N/A	1	CDU	NA	NA	NA	0.0 sec	1.0 sec	COMM	SEL.Arc_210_1_Zeroize_Fail_Ann = Active
Annunciation - CDU	CM2 M2 KEYS ERASED	67	18	The RT-5000 radio module 2 keys were successfully zeroized.	N/A	1	CDU	NA	NA	NA	0.0 sec	1.0 sec	COMM	SEL.RT5000_M2_Zeroize_Success_Ann = Active
Annunciation - CDU	CM2 M3 KEYS ERASED	68	18	The RT-5000 radio module 3 keys were successfully zeroized.	N/A	1	CDU	NA	NA	NA	0.0 sec	1.0 sec	COMM	SEL.RT5000_M3_Zeroize_Success_Ann = Active
Annunciation - CDU	CM3 M3 KEYS ERASED	69	18	The RT-5000 SAR radio module 3 keys were successfully zeroized.	N/A	1	CDU	NA	NA	NA	0.0 sec	1.0 sec	COMM	SEL.RT5000_SAR_M3_Zeroize_Success_Ann = Active
Annunciation - CDU	CM2 M2 KEY ERASE FAIL	70	21	The RT-5000 radio module 2 keys failed to zeroize.	N/A	1	CDU	NA	NA	NA	0.0 sec	1.0 sec	COMM	SEL.RT5000_M2_Zeroize_Fail_Ann = Active
Annunciation - CDU	CM2 M3 KEY ERASE FAIL	71	21	The RT-5000 radio module 3 keys failed to zeroize.	N/A	1	CDU	NA	NA	NA	0.0 sec	1.0 sec	COMM	SEL.RT5000_M3_Zeroize_Fail_Ann = Active
Annunciation - CDU	CM3 M3 KEY ERASE FAIL	72	21	The RT-5000 SAR radio module 3 keys failed to zeroize.	N/A	1	CDU	NA	NA	NA	0.0 sec	1.0 sec	COMM	SEL.RT5000_SAR_M3_Zeroize_Fail_Ann = Active
Annunciation - CDU	SEARCHING	73	9	Reference Point Identifier (RPID) Search Request.	N/A	2	CDU	NA	NA	NA	0.0 sec	1.0 sec	FLT MGR	SEL.RPID_Search_Request_Ann = Active
Annunciation - CDU	SAFE KEYS	74	10	COMSEC keys are zeroized.	N/A	1	CDU	NA	NA	NA	0.0 sec	1.0 sec	COMM	SEL.Safe_Keys_Ann = Active
Annunciation - CDU	CM1 CUE ACTIVE	75	14	Cue channel activity is detected by the ARC-210 when in SINCGARS ECCM mode.	N/A	3	CDU	NA	NA	NA	0.0 sec	1.0 sec	COMM	SEL.ARC_210_1_CUE_Active_Ann = Active
Annunciation - CDU	DTU NOT READY	76	13	When an attempt is made to read the data card and no mission data card is installed in the data loader	N/A	1	CDU	NA	NA	NA	0.0 sec	1.0 sec	SYS MGR	SEL.DTU_Not_Ready_Ann = Active
Annunciation - CDU	DTU LOAD FAIL	77	13	If a failure occurs during an upload of data.	N/A	1	CDU	NA	NA	NA	0.0 sec	1.0 sec	SYS MGR	SEL.DTU_Load_Fail_Ann = Active
Annunciation - CDU	DTU SAVE FAIL	78	13	If a failure occurs during the saving operation of data.	N/A	1	CDU	NA	NA	NA	0.0 sec	1.0 sec	SYS MGR	SEL.DTU_Save_Fail_Ann = Active
Annunciation - CDU	ALARM CLOCK 1	79	14	When the alarm is on and the "ALARM SET" value is reached	N/A	1	CDU	NA	NA	NA	0.0 sec	1.0 sec	SYS MGR	SEL.Alarm_Clock_1_Ann = Active
Annunciation - CDU	ALARM CLOCK 2	80	13	When the alarm is on and the "ALARM SET" value is reached	N/A	1	CDU	NA	NA	NA	0.0 sec	1.0 sec	SYS MGR	SEL.Alarm_Clock_2_Ann = Active

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946-1633-002	Rev –	

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Annunciation - CDU	√ TIMER 1	81	9	Timer 1 count-down to zero.	N/A	1	CDU	NA	NA	NA	0.0 sec	1.0 sec	SYS MGR	SEL.Check_Timer_1_Ann = Active
Annunciation - CDU	√ TIMER 2	82	9	Timer 2 count-down to zero.	N/A	1	CDU	NA	NA	NA	0.0 sec	1.0 sec	SYS MGR	SEL.Check_Timer_2_Ann = Active
Annunciation - CDU	√ TIMER 3	83	9	Timer 3 count-down to zero.	N/A	1	CDU	NA	NA	NA	0.0 sec	1.0 sec	SYS MGR	SEL.Check_Timer_3_Ann = Active
Annunciation - CDU	DISCONTINUITY	84	13	Designated Pilot Flight Plan Discontinuity status is active (except when the active leg is a MFP when applicable).	N/A	3	CDU	NA	NA	NA	0.0 sec	1.0 sec	FLT MGR	SEL.Discontinuity = Active
Annunciation - CDU	LOADING FPLN	85	12	Flight plan load requested by operator	N/A	3	CDU	NA	NA	NA	0.0 sec	1.0 sec	FLT MGR	SEL.Loading_Flight_Plan_Ann = Active
Annunciation - CDU	SAVING FPLN	86	11	Flight plan save requested by operator	N/A	3	CDU	NA	NA	NA	0.0 sec	1.0 sec	FLT MGR	SEL.Saving_Flight_Plan_Ann = Active
Annunciation - CDU	HH:MM:SS	87	8	Time of Day- Appears when TOD is toggled to the ON state on the Start 1/2 page	N/A	3	CDU	NA	NA	NA	0.0 sec	1.0 sec	FLT MGR	SEL.Time_of_Day = Active
Annunciation - CDU	SEQ INHIBITED	88	13	FPLN leg sequence is unable due to Manual sequence mode.	N/A	3	CDU	NA	NA	NA	0.0 sec	1.0 sec	FLT MGR	SEL.Seq_Inhibited = Active
Annunciation - CDU	CHK FPLN ALT	89	12	Flight Plan Altitude entered does not follow ascending/descending requirement for procedure in question.	N/A	3	CDU	NA	NA	NA	0.0 sec	1.0 sec	FLT MGR	SEL.Chk_Fpln_Alt = Active
Annunciation - CDU	GPS1 ZEROIZE ERROR	90	18	<b>GPS1 Key Status</b> indicates CONTAINS KEYS after <b>Send GPS1 Zeroize Keys</b> command is sent.	N/A	1	CDU	NA	NA	NA	0.0 sec	1.0 sec	FLT MGR	SEL.GPS_1_Zeroize_Error_Adv = Active
Annunciation - CDU	GPS2 ZEROIZE ERROR	91	18	<b>GPS2 Key Status</b> indicates CONTAINS KEYS after <b>Send GPS2 Zeroize Keys</b> command is sent.	N/A	1	CDU	NA	NA	NA	0.0 sec	1.0 sec	FLT MGR	SEL.GPS_2_Zeroize_Error_Adv = Active
Annunciation - CDU	GPS1 KEYS ZEROIZED	92	18	<b>GPS1 Key Status</b> indicates NO KEYS after <b>Send GPS1 Zeroize Keys</b> command is sent.	N/A	1	CDU	NA	NA	NA	0.0 sec	1.0 sec	FLT MGR	SEL.GPS_1_Keys_Zeroized_Adv = Active
Annunciation - CDU	GPS2 KEYS ZEROIZED	93	18	<b>GPS2 Key Status</b> indicates NO KEYS after <b>Send GPS2 Zeroize Keys</b> command is sent.	N/A	1	CDU	NA	NA	NA	0.0 sec	1.0 sec	FLT MGR	SEL.GPS_2_Keys_Zeroized_Adv = Active
Annunciation - CDU	GPS1 2 HOUR ALERT	94	17	The GPS1 SA/AS keys will expire in 2 hours.	N/A	1	CDU	NA	NA	NA	0.0 sec	1.0 sec	FLT MGR	SEL.GPS_1_2_Hour_Alert_Adv = Active
Annunciation - CDU	GPS2 2 HOUR ALERT	95	17	The GPS2 SA/AS keys will expire in 2 hours.	N/A	1	CDU	NA	NA	NA	0.0 sec	1.0 sec	FLT MGR	SEL.GPS_2_2_Hour_Alert_Adv = Active
Annunciation - CDU	GPS1 KEY RECEIVED BAD	96	21	<b>Daily Key In Use (Incorrect)</b> received from EG11.	N/A	1	CDU	NA	NA	NA	0.0 sec	1.0 sec	FLT MGR	SEL.GPS_1_Key_Rcvd_Bad_Adv = Active

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946-1633-002	Rev –	

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Annunciation - CDU	GPS2 KEY RECEIVED BAD	97	21	<b>Daily Key In Use (Incorrect)</b> received from EGI2.	N/A	1	CDU	NA	NA	NA	0.0 sec	1.0 sec	FLT MGR	SEL.GPS_2_Key_Rcvd_Bad_Adv = Active
Annunciation - CDU	GPS1 KEY NOT VERIFIED	98	21	<b>Daily Key In Use (Unverified)</b> received from EGI1 for longer than 10 seconds.	N/A	1	CDU	NA	NA	NA	0.0 sec	1.0 sec	FLT MGR	SEL.GPS_1_Key_Not_Verified_Adv = Active
Annunciation - CDU	GPS2 KEY NOT VERIFIED	99	21	<b>Daily Key In Use (Unverified)</b> received from EGI2 for longer than 10 seconds.	N/A	1	CDU	NA	NA	NA	0.0 sec	1.0 sec	FLT MGR	SEL.GPS_2_Key_Not_Verified_Adv = Active
Annunciation - CDU	GPS1 KEY BAD	100	12	<b>Key Failed Parity</b> received from EGI1.	N/A	1	CDU	NA	NA	NA	0.0 sec	1.0 sec	FLT MGR	SEL.GPS_1_Key_Bad_Adv = Active
Annunciation - CDU	GPS2 KEY BAD	101	12	<b>Key Failed Parity</b> received from EGI2.	N/A	1	CDU	NA	NA	NA	0.0 sec	1.0 sec	FLT MGR	SEL.GPS_2_Key_Bad_Adv = Active
Annunciation - CDU	GPS1 NEEDS KEYS	102	15	<b>Insufficient Keys</b> received from EGI1 for longer than 10 seconds, or <b>SIS Mode</b> indicates Y-CODE ONLY from EGI1 and <b>GPS1 Key Status</b> indicates NO KEYS for longer than 10 seconds.	N/A	1	CDU	NA	NA	NA	0.0 sec	1.0 sec	FLT MGR	SEL.GPS_1_Needs_Keys_Adv = Active
Annunciation - CDU	GPS2 NEEDS KEYS	103	15	<b>Insufficient Keys</b> received from EGI2 for longer than 10 seconds, or <b>SIS Mode</b> indicates Y-CODE ONLY from EGI2 and <b>GPS2 Key Status</b> indicates NO KEYS for longer than 10 seconds.	N/A	1	CDU	NA	NA	NA	0.0 sec	1.0 sec	FLT MGR	SEL.GPS_2_Needs_Keys_Adv = Active
Annunciation - CDU	√ CH121.5	104	9	Channel 121.5 data is being received by the RT-5000 (FM) SAR Module. Lost signal or below squelch threshold.	N/A	2	CDU	NA	NA	NA	0.0 sec	1.0 sec	COMM	RT5000_SAR_CH1215_Rec=Active
Annunciation - CDU	√ CH16	105	6	Channel 16 data is being received by the RT-5000 (FM) SAR Module. Lost signal or below squelch threshold.	N/A	2	CDU	NA	NA	NA	0.0 sec	1.0 sec	COMM	RT5000_SAR_CH16_Rec=Active
Annunciation - CDU	√ CH243.0	106	9	Channel 243.0 data is being received by the RT-5000 (FM) SAR Module. Lost signal or below squelch threshold.	N/A	2	CDU	NA	NA	NA	0.0 sec	1.0 sec	COMM	RT5000_SAR_CH243_Rec=Active
Annunciation - CDU	HF MSG FAIL	107	11	HF message transmittal failed. Cleared by another HF transaction taking place or the clear key.	N/A	1	CDU	NA	NA	NA	0.0 sec	1.0 sec	COMM	HF_Message__TX_Fail=Active
Annunciation - CDU	HF SND TIME	108	11	HF is transmitting an ALE LP time broadcast. Cleared by clear key or HF time broadcast is finished.	N/A	1	CDU	NA	NA	NA	0.0 sec	1.0 sec	COMM	HF_TX_ALE_LP=Active
Annunciation \ FD-PFD	LOC (White)	1	3	Lateral Axis is Armed for ILS Localizer	N/A	N/A	PFD	NA	NA	NA	0.0 sec	0.0 sec	N/A	NA
Annunciation \ FD-PFD	BC (White)	2	2	Lateral Axis is Armed for ILS Localizer Backcourse	N/A	N/A	PFD	NA	NA	NA	0.0 sec	0.0 sec	N/A	NA

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Warnings, Cautions, Advisories and Annunciations Table for the US Coast Guard (USCG) MH-65E Avionics Phase 3 Upgrade

65E Type	65E Text	PRIORITY	Text Length	Trigger Conditions	Ack Req'd	Ack Type	Primary Location	Secondary Location	CDU Location	CHECK EICAS WCA	Set Time	Reset Time	Primary Source to EICAS	Condition
Annunciation \ FD-PFD	TCN (White)	3	3	Lateral Axis is Armed for TACAN	N/A	N/A	PFD	NA	NA	NA	0.0 sec	0.0 sec	N/A	NA
Annunciation \ FD-PFD	VOR (White)	4	3	Lateral Axis is Armed for VOR	N/A	N/A	PFD	NA	NA	NA	0.0 sec	0.0 sec	N/A	NA
Annunciation \ FD-PFD	Reserved	5	N/A	N/A	N/A	N/A	N/A	NA	NA	NA	N/A	N/A	N/A	NA
Annunciation \ FD-PFD	VNV (White)	6	3	Vertical Axis is Armed for FPLN	N/A	N/A	PFD	NA	NA	NA	0.0 sec	0.0 sec	N/A	NA
Annunciation \ FD-PFD	G/S (White)	7	3	Vertical Axis is Armed for ILS Glideslope	N/A	N/A	PFD	NA	NA	NA	0.0 sec	0.0 sec	N/A	NA
Annunciation \ FD-PFD	LOC (Green)	8	3	Lateral Axis is Active for ILS Localizer	N/A	N/A	PFD	NA	NA	NA	0.0 sec	0.0 sec	N/A	NA
Annunciation \ FD-PFD	BC (Green)	9	2	Lateral Axis is Active for Backcourse	N/A	N/A	PFD	NA	NA	NA	0.0 sec	0.0 sec	N/A	NA
Annunciation \ FD-PFD	TCN (Green)	10	3	Lateral Axis is Active for TACAN	N/A	N/A	PFD	NA	NA	NA	0.0 sec	0.0 sec	N/A	NA
Annunciation \ FD-PFD	TCN PT (Green)	11	6	Lateral Axis is Active for TACAN Point-to-Point	N/A	N/A	PFD	NA	NA	NA	0.0 sec	0.0 sec	N/A	NA
Annunciation \ FD-PFD	VOR (Green)	12	3	Lateral Axis is Active for VOR	N/A	N/A	PFD	NA	NA	NA	0.0 sec	0.0 sec	N/A	NA
Annunciation \ FD-PFD	Reserved	13	N/A	N/A	N/A	N/A	N/A	NA	NA	NA	N/A	N/A	N/A	NA
Annunciation \ FD-PFD	FPLN (Green)	14	4	Lateral Axis is Active for Flight Plan	N/A	N/A	PFD	NA	NA	NA	0.0 sec	0.0 sec	N/A	NA
Annunciation \ FD-PFD	TRK (Green)	15	3	Lateral Axis is Active for Track Select	N/A	N/A	PFD	NA	NA	NA	0.0 sec	0.0 sec	N/A	NA
Annunciation \ FD-PFD	HDG (Green)	16	3	Lateral Axis is Active for Heading Select	N/A	N/A	PFD	NA	NA	NA	0.0 sec	0.0 sec	N/A	NA
Annunciation \ FD-PFD	VNV (Green)	17	3	Vertical Axis is Active for Flight Plan	N/A	N/A	PFD	NA	NA	NA	0.0 sec	0.0 sec	N/A	NA

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65E Type	65E Text	PRIORITY	Text Length	Trigger Conditions	Ack Req'd	Ack Type	Primary Location	Secondary Location	CDU Location	CHECK EICAS WCA	Set Time	Reset Time	Primary Source to EICAS	Condition
Annunciation \ FD-PFD	G/S (Green)	18	3	Vertical Axis is Active for ILS Glideslope	N/A	N/A	PFD	NA	NA	NA	0.0 sec	0.0 sec	N/A	NA
Annunciation \ FD-PFD	VSPD (Green)	19	4	Vertical Axis is Active for Vertical Speed Select	N/A	N/A	PFD	NA	NA	NA	0.0 sec	0.0 sec	N/A	NA
Annunciation \ FD-PFD	BALT (Green)	20	4	Vertical Axis is Active for Barometric Altitude Select	N/A	N/A	PFD	NA	NA	NA	0.0 sec	0.0 sec	N/A	NA
Annunciation \ FD-PFD	RALT (Green)	21	4	Vertical Axis is Active for Radar Altitude Select	N/A	N/A	PFD	NA	NA	NA	0.0 sec	0.0 sec	N/A	NA
Annunciation \ FD-PFD	ASPD (Green)	22	4	Longitudinal Axis is Active for Airspeed Select	N/A	N/A	PFD	NA	NA	NA	0.0 sec	0.0 sec	N/A	NA
Annunciation \ FD-PFD	GSPD (Green)	23	4	Longitudinal Axis is Active for Groundspeed Select	N/A	N/A	PFD	NA	NA	NA	0.0 sec	0.0 sec	N/A	NA
Annunciation \ FD-PFD	FASPD (Green)	24	5	Longitudinal Axis is Active for Flight Plan Speed Select (Air Speed)	N/A	N/A	PFD	NA	NA	NA	0.0 sec	0.0 sec	N/A	NA
Annunciation \ FD-PFD	FGSPD (Green)	25	5	Longitudinal Axis is Active for Flight Plan Speed Select (Ground Speed)	N/A	N/A	PFD	NA	NA	NA	0.0 sec	0.0 sec	N/A	NA
Annunciation \ FD-PFD	ISPD (Green)	26	4	Longitudinal Axis is Active for ILS Speed Select	N/A	N/A	PFD	NA	NA	NA	0.0 sec	0.0 sec	N/A	NA
Annunciation \ FD-PFD	THOV (Green)	27	4	Any Axis (Lat, Long or Vert) is Active for Transition to Hover (i.e. THOV) Mode	N/A	N/A	PFD	NA	NA	NA	0.0 sec	0.0 sec	N/A	NA
Annunciation \ FD-PFD	HOV (Green)	28	3	Any Axis (Lat, Long or Vert) is Active for Hover (i.e. THOV) Mode	N/A	N/A	PFD	NA	NA	NA	0.0 sec	0.0 sec	N/A	NA
Annunciation \ FD-PFD	HAUG (Green)	29	4	All axes (Lat, Long or Vert) are Active for Hover Augmentation (i.e. HOV_AUG) Mode.	N/A	N/A	PFD	NA	NA	NA	0.0 sec	0.0 sec	N/A	NA
Annunciation \ FD-PFD	ISPD (White)	30	4	Longitudinal Axis is Armed for ILS Speed Select	N/A	N/A	PFD	NA	NA	NA	0.0 sec	0.0 sec	N/A	NA
Annunciation \ FD-PFD	THOV (White)	31	4	Any Axis (Lat, Long or Vert) is Armed for Transition to Hover (i.e. THOV) Mode	N/A	N/A	PFD	NA	NA	NA	0.0 sec	0.0 sec	N/A	NA
Annunciation \ FD-PFD	FBALT (White)	32	5	FPLN mode is selected, FMF referenced Altitude is used, Active Flight Plan Leg Altitude is defined in MSL (Mean Sea Level), and Barometric Altitude Select Mode is Armed.	N/A	N/A	PFD	NA	NA	NA	0.0 sec	0.0 sec	N/A	NA

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946-1633-002	Rev –	

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65E Type	65E Text	PRIORITY	Text Length	Trigger Conditions	Ack Req'd	Ack Type	Primary Location	Secondary Location	CDU Location	CHECK EICAS WCA	Set Time	Reset Time	Primary Source to EICAS	Condition
Annunciation \ FD-PFD	FBALT (Green)	33	5	FPLN mode is selected, FMF referenced Altitude is used, Active Flight Plan Leg Altitude is defined in MSL (Mean Sea Level), and Barometric Altitude Select Mode is Active.	N/A	N/A	PFD	NA	NA	NA	0.0 sec	0.0 sec	N/A	NA
Annunciation \ FD-PFD	FRALT (Green)	34	5	FPLN mode is selected, FMF referenced Altitude is used, Active Flight Plan Leg Altitude is defined in AGL (Above Ground Level), and Radar Altitude Select Mode is Active.	N/A	N/A	PFD	NA	NA	NA	0.0 sec	0.0 sec	N/A	NA
Annunciation \ FD-PFD	GA (Green)	35	2	Airspeed is <40 KTAS and Go Around is commanded.	N/A	N/A	PFD	NA	NA	NA	0.0 sec	0.0 sec	N/A	NA
Annunciation \ FD-PFD	THOV (Caution)	36	4	Longitudinal Axis is Active for Transition to Hover (i.e. THOV) Mode and FD_LOW_ALT is Active	N/A	N/A	PFD	NA	NA	NA	0.0 sec	0.0 sec	N/A	SEL.FD_Low_Alt_Alert= Active And (Thov_Mode_Vert_State= Active)
Annunciation \ FD-PFD	HOV (Caution)	37	3	Longitudinal Axis is Active for Hover (i.e. THOV) Mode and FD_LOW_ALT is Active	N/A	N/A	PFD	NA	NA	NA	0.0 sec	0.0 sec	N/A	SEL.FD_Low_Alt_Alert= Active And (Hov_Mode_Vert_State = Active)
Annunciation \ FD-PFD	HAUG (Caution)	38	4	Longitudinal Axis is Active for Hover Augmentation (i.e. HAU_AUG) Mode and FD_LOW_ALT is Active	N/A	N/A	PFD	NA	NA	NA	0.0 sec	0.0 sec	N/A	SEL.FD_Low_Alt_Alert= Active And Hov_Aug_Mode_Vert_State = Active
Annunciation \ FD-PFD	BALT (Caution)	39	4	Vertical Axis is Active for Barometric Altitude Select and FD_LOW_ALT is Active	N/A	N/A	PFD	NA	NA	NA	0.0 sec	0.0 sec	N/A	SEL.FD_Low_Alt_Alert= Active And Barametric_Altitude_Select_Mode_State = Active
Annunciation \ FD-PFD	RALT (Caution)	40	4	Vertical Axis is Active for Radar Altitude Select and FD_LOW_ALT is Active	N/A	N/A	PFD	NA	NA	NA	0.0 sec	0.0 sec	N/A	SEL.FD_Low_Alt_Alert= Active And Radar_Altitude_Select_Mode_State = Active
Annunciation \ FD-PFD	FBALT (Caution)	41	5	Vertical Axis is Active for FMF referenced Barometric Altitude Select and FD_LOW_ALT is Active	N/A	N/A	PFD	NA	NA	NA	0.0 sec	0.0 sec	N/A	SEL.FD_Low_Alt_Alert= Active And Barometric_Altitude_Select_Mode_State = Active AND Fmf_Controlled_Altitude = True
Annunciation \ FD-PFD	FRALT (Caution)	42	5	Vertical Axis is Active for FMF referenced Radar Altitude Select and FD_LOW_ALT is Active	N/A	N/A	PFD	NA	NA	NA	0.0 sec	0.0 sec	N/A	SEL.FD_Low_Alt_Alert= Active And Radar_Altitude_Select_Mode_State = Active AND Fmf_Controlled_Altitude = True
Annunciation \ FD-PFD	VSPD (Caution)	43	4	Vertical Axis is Active for Vertical Speed Select and FD_LOW_ALT is Active	N/A	N/A	PFD	NA	NA	NA	0.0 sec	0.0 sec	N/A	SEL.FD_Low_Alt_Alert= Active AND Vertical_Speed_Select_Mode_State = Active

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