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INTERIM REPORT

TASK ANALYSIS OF THE UH-60 MISSION AND DECISION RULES FOR DEVELOPING A UH-60 WORKLOAD PREDICTION MODEL

VOLUME IV: SEGMENT DECISION RULES APPENDIXES H AND I

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Carl R. Bierbaum, Sandra M. Szabo, and Theodore B. Aldrich

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A composite scenario was used to conduct a comprehensive task analysis of the UH-60 mission. This analysis used a top-down approach to identify the phases, functions, and tasks of the mission. Nine phases, 34 segments, 48 functions, and 138 tasks were identified. The crewmember performing each function was identified, and estimates of the sensory, cognitive, and psychomotor workload associated with the tasks were derived. Estimates of the task times also were derived.

The mission/task analysis data were used to develop a computer model of workload for UH-60 crewmembers. The model used a bottom-up approach to build mission functions from tasks and mission segments from functions. Decision rules were written to specify the procedure for combining the tasks into functions and the functions into segments. The model permitted an analysis of total workload experienced by each crewmember in the performance of both sequential and concurrent tasks.

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Volume IV: Segment Decision Rules Appendixes H and I

Prepared by:

Carl R. Bierbaum
Anacapa Sciences, Inc.
Fort Rucker, Alabama

Sandra M. Szabo
Anacapa Sciences, Inc.
St. Louis, Missouri

and

Theodore B. Aldrich
Anacapa Sciences, Inc.
Fort Rucker, Alabama

Prepared for:

U.S. Army Research Institute Aviation
Research and Development Activity
Fort Rucker, Alabama

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TASK ANALYSIS OF THE UH-60 MISSION AND DECISION RULES FOR DEVELOPING A UH-60 WORKLOAD PREDICTION MODEL

Volume IV: Segment Decision Rules Appendixes H and I

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Appendix I. UH-60 SEGMENT DECISION RULES WORKSHEETS I-1

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APPENDIX H

SEGMENT SUMMARY WORKSHEETS

This appendix contains the Segment Summary Worksheets for each of the 70 segments. The summary worksheets identify and list all of the functions performed by each crewmember during each mission segment. The summary worksheets also identify the type of functions (i.e., discrete fixed, discrete random, or continuous) performed by the crewmember and the approximate temporal arrangement of the functions within the segments.

UH-60 SEGMENT SUMMARY WORKSHEET

PHASE 1 Departure **SEGMENT 01 Before Takeoff (Assembly Area)**

PILOT			COPILOT		
DISCRETE (FIXED)	**DISCRETE (RANDOM)**	**CONTINUOUS**	**DISCRETE (FIXED)**	**DISCRETE (RANDOM)**	**CONTINUOUS**
Perform Before Takeoff Check (22)		Monitor Audio (17)	Program Doppler (35)		Monitor Audio (17)
			Program Transponder (36)		
	Perform Cockpit Communication (Pilot) (26)		Perform Before Takeoff Check (22)	Perform Cockpit Communication (Copilot) (25)	
	Perform Cockpit Communication (Copilot) (25)			Perform Cockpit Communication (Pilot) (26)	
Perform External Communication (27)					

UH-60 SEGMENT SUMMARY WORKSHEET

PHASE 1 Departure ***SEGMENT 02 Takeoff**

PILOT			COPILOT		
DISCRETE (FIXED)	**DISCRETE (RANDOM)**	**CONTINUOUS**	**DISCRETE (FIXED)**	**DISCRETE (RANDOM)**	**CONTINUOUS**
Perform Hover (29)	Monitor Threat (18)	Monitor Audio (17)	Perform Hover (29)	Monitor Threat (18)	Monitor Audio (17)
Establish Climb (07)					
Establish Level of Flight (09)				Check Aircraft Systems (03)	
	Perform Cockpit Communication (Pilot) (26)		Establish Level of Flight (09)	Perform Cockpit Communication (Copilot) (25)	
	Check Aircraft Systems (03)			Perform Cockpit Communication (Pilot) (26)	
	Perform Cockpit Communication (Copilot) (25)				

*Denotes segment that occurs in more than one mission phase.

UH-60 SEGMENT SUMMARY WORKSHEET

PHASE 1 Departure ***SEGMENT 03 Takeoff [NVG]**

PILOT			COPILOT		
DISCRETE (FIXED)	**DISCRETE (RANDOM)**	**CONTINUOUS**	**DISCRETE (FIXED)**	**DISCRETE (RANDOM)**	**CONTINUOUS**
Perform Hover [NVG] (30)	Monitor Threat (18)	Monitor Audio (17)	Perform Hover [NVG] (30)	Monitor Threat (18)	Monitor Audio (17)
Establish Climb [NVG] (08)				Check Aircraft Systems (03)	
	Perform Cockpit Communication (Pilot) (26)			Perform Cockpit Communication (Copilot) (25)	
	Perform Cockpit Communication (Copilot) (25)			Perform Cockpit Communication (Pilot) (26)	
Establish Level of Flight [NVG] (10)	Check Aircraft Systems (03)		Establish Level of Flight [NVG] (10)		

*Denotes segment that occurs in more than one mission phase.

UH-60 SEGMENT SUMMARY WORKSHEET

PHASE 2 Enroute (AA - PZ) **SEGMENT 04 Contour Flight**

PILOT			COPILOT		
DISCRETE (FIXED)	**DISCRETE (RANDOM)**	**CONTINUOUS**	**DISCRETE (FIXED)**	**DISCRETE (RANDOM)**	**CONTINUOUS**
Update Doppler (Landmark) (43)	Monitor Threat (18) Check Aircraft Systems (03) Perform Cockpit Communication (Pilot) (26) Perform Cockpit Communication (Copilot) (25)	Adjust Flight Parameters (01) Monitor Audio (17)	Update Doppler (Stored Destination) (47) Compute Fuel Burn Rate (04) Update Doppler (Landmark) (43)	Monitor Threat (18) Check Aircraft Systems (03) Perform Cockpit Communication (Copilot) (25) Perform Cockpit Communication (Pilot) (26)	Perform Navigation (31) Monitor Audio (17)

UH-60 SEGMENT SUMMARY WORKSHEET

PHASE 2 Enroute (AA - PZ)

SEGMENT 05 Contour Flight [NVG]

PILOT			COPILOT		
DISCRETE (FIXED)	DISCRETE (RANDOM)	CONTINUOUS	DISCRETE (FIXED)	DISCRETE (RANDOM)	CONTINUOUS
	Monitor Threat (18)	Adjust Flight Parameters [NVG] (02)		Monitor Threat (18)	Perform Navigation [NVG] (32)
		Monitor Audio (17)			Monitor Audio (17)
				Check Aircraft Systems (03)	
			Update Doppler (Stored Destination) [NVG] (48)		
	Check Aircraft Systems (03)				
	Perform Cockpit Communication (Pilot) (26)		Compute Fuel Burn Rate (04)	Perform Cockpit Communication (Copilot) (25)	
	Perform Cockpit Communication (Copilot) (25)			Perform Cockpit Communication (Pilot) (26)	
			Update Doppler (Landmark) [NVG] (44)		
Update Doppler (Landmark) [NVG] (44)					

UH-60 SEGMENT SUMMARY WORKSHEET

PHASE 2 Enroute (AA - PZ) **SEGMENT 06 Contour Flight (Threat)**

PILOT			COPILOT		
DISCRETE (FIXED)	**DISCRETE (RANDOM)**	**CONTINUOUS**	**DISCRETE (FIXED)**	**DISCRETE (RANDOM)**	**CONTINUOUS**
	Monitor Threat (18)	Adjust Flight Parameters (01)		Monitor Threat (18)	Perform Navigation (31)
		Monitor Audio (17)			Monitor Audio (17)
				Check Aircraft Systems (03)	
			Update Doppler (Stored Destination) (47)		
	Check Aircraft Systems (03)				
			Compute Fuel Burn Rate (04)	Respond to Threat (38)	
	Perform Cockpit Communication (Pilot) (26)			Perform External Communication (Threat) (28)	
	Perform Cockpit Communication (Copilot) (25)			Perform Cockpit Communication (Copilot) (25)	
Update Doppler (Landmark) (43)	Respond to Threat (38)			Perform Cockpit Communication (Pilot) (26)	
			Update Doppler (Landmark) (43)		

UH-60 SEGMENT SUMMARY WORKSHEET

PHASE 2 Enroute (AA - PZ) **SEGMENT 07** Contour Flight (Threat) [NVG]

PILOT			COPILOT		
DISCRETE (FIXED)	**DISCRETE (RANDOM)**	**CONTINUOUS**	**DISCRETE (FIXED)**	**DISCRETE (RANDOM)**	**CONTINUOUS**
	Monitor Threat (18)	Adjust Flight Parameters [NVG] (02)		Monitor Threat (18)	Perform Navigation [NVG] (32)
		Monitor Audio (17)			Monitor Audio (17)
				Check Aircraft Systems (03)	
			Update Doppler (Stored Destination) [NVG] (48)		
	Check Aircraft Systems (03)				
				Respond to Threat [NVG] (39)	
			Compute Fuel Burn Rate (04)		
	Perform Cockpit Communication (Pilot) (26)			Perform External Communication (Threat) (28)	
	Perform Cockpit Communication (Copilot) (25)			Perform Cockpit Communication (Copilot) (25)	
Update Doppler (Landmark) [NVG] (44)	Respond to Threat [NVG] (39)			Perform Cockpit Communication (Pilot) (26)	
			Update Doppler (Landmark) [NVG] (44)		

UH-60 SEGMENT SUMMARY WORKSHEET

PHASE 2 Enroute (AA - PZ) **SEGMENT 08 Contour Flight (Mission Change)**

PILOT			COPILOT		
DISCRETE (FIXED)	**DISCRETE (RANDOM)**	**CONTINUOUS**	**DISCRETE (FIXED)**	**DISCRETE (RANDOM)**	**CONTINUOUS**
Update Doppler (Landmark) (43)	Monitor Threat (18) Check Aircraft Systems (03) Perform Cockpit Communication (Pilot) (26) Perform Cockpit Communication (Copilot) (25)	Adjust Flight Parameters (01) Monitor Audio (17)	Update Doppler (Landmark) (43) Compute Fuel Burn Rate (04) Update Doppler (Mission Change) (45)	Monitor Threat (18) Check Aircraft Systems (03) Mission Change (16) Perform Cockpit Communication (Copilot) (25) Perform Cockpit Communication (Pilot) (26)	Perform Navigation (31) Monitor Audio (17)

UH-60 SEGMENT SUMMARY WORKSHEET

PHASE 2 Enroute (AA - PZ) **SEGMENT 09 Contour Flight (Mission Change) [NVG]**

PILOT			COPILOT		
DISCRETE (FIXED)	**DISCRETE (RANDOM)**	**CONTINUOUS**	**DISCRETE (FIXED)**	**DISCRETE (RANDOM)**	**CONTINUOUS**
	Monitor Threat (18)	Adjust Flight Parameter [NVG] (02)		Monitor Threat (18)	Perform Navigation [NVG] (32)
		Monitor Audio (17)			Monitor Audio (17)
				Check Aircraft Systems (03)	
Update Doppler (Landmark) [NVG] (44)			Update Doppler (Landmark) [NVG] (44)		
	Check Aircraft Systems (03)				
				Mission Change (16)	
	Perform Cockpit Communication (Pilot) (26)		Compute Fuel Burn Rate (04)	Perform Cockpit Communication (Copilot) (25)	
	Perform Cockpit Communication (Copilot) (25)			Perform Cockpit Communication (Pilot) (26)	
			Update Doppler (Mission Change) (45)		

UH-60 SEGMENT SUMMARY WORKSHEET

PHASE 2 Enroute (AA - PZ) ***SEGMENT 10 Approach**

PILOT			COPILOT		
DISCRETE (FIXED)	**DISCRETE (RANDOM)**	**CONTINUOUS**	**DISCRETE (FIXED)**	**DISCRETE (RANDOM)**	**CONTINUOUS**
Establish Approach (05)	Monitor Threat (18) Perform Cockpit Communication (Pilot) (26) Perform Cockpit Communication (Copilot) (25) Check Aircraft Systems (03)	Monitor Audio (17)	Perform External Communication (27) Perform Before Landing Check (20)	Monitor Threat (18) Perform Cockpit Communication (Copilot) (25) Perform Cockpit Communication (Pilot) (26) Check Aircraft Systems (03)	Monitor Audio (17)

*Denotes segment that occurs in more than one mission phase.

UH-60 SEGMENT SUMMARY WORKSHEET

PHASE 2 Enroute (AA - PZ) ***SEGMENT 11 Approach [NVG]**

PILOT			COPILOT		
DISCRETE (FIXED)	**DISCRETE (RANDOM)**	**CONTINUOUS**	**DISCRETE (FIXED)**	**DISCRETE (RANDOM)**	**CONTINUOUS**
Establish Approach [NVG] (06)	Monitor Threat (18) Perform Cockpit Communication (Pilot) (26) Perform Cockpit Communication (Copilot) (25) Check Aircraft Systems (03)	Monitor Audio (17)	Perform External Communication (27) Perform Before Landing Check (20)	Monitor Threat (18) Perform Cockpit Communication (Copilot) (25) Perform Cockpit Communication (Pilot) (26) Check Aircraft Systems (03)	Monitor Audio (17)

*Denotes segment that occurs in more than one mission phase.

UH-60 SEGMENT SUMMARY WORKSHEET

PHASE 2 Enroute (AA - PZ) ***SEGMENT 12 Landing**

PILOT			COPILOT		
DISCRETE (FIXED)	**DISCRETE (RANDOM)**	**CONTINUOUS**	**DISCRETE (FIXED)**	**DISCRETE (RANDOM)**	**CONTINUOUS**
Perform Hover (29) Land Aircraft (11)	Perform Cockpit Communication (Pilot) (26) Perform Cockpit Communication (Copilot) (25)	Monitor Audio (17)	Perform External Communication (27) Perform Hover (29) Land Aircraft (11) Perform After Landing Check (19)	Perform Cockpit Communication (Copilot) (25) Perform Cockpit Communication (Pilot) (26)	Monitor Audio (17)

*Denotes segment that occurs in more than one mission phase.

UH-60 SEGMENT SUMMARY WORKSHEET

PHASE 2 Enroute (AA - PZ) ***SEGMENT 13 Landing [NVG]**

PILOT			COPILOT		
DISCRETE (FIXED)	**DISCRETE (RANDOM)**	**CONTINUOUS**	**DISCRETE (FIXED)**	**DISCRETE (RANDOM)**	**CONTINUOUS**
Perform Hover [NVG] (30) Land Aircraft [NVG] (12)	Perform Cockpit Communication (Pilot) (26) Perform Cockpit Communication (Copilot) (25)	Monitor Audio (17)	Perform External Communication (27) Perform Hover [NVG] (30) Land Aircraft [NVG] (12) Perform After Landing Check (19)	Perform Cockpit Communication (Copilot) (25) Perform Cockpit Communication (Pilot) (26)	Monitor Audio (17)

*Denotes segment that occurs in more than one mission phase.

UH-60 SEGMENT SUMMARY WORKSHEET

PHASE 3 Departure (PZ) **SEGMENT 14 Before Takeoff (Internal Load)**

PILOT			COPILOT		
DISCRETE (FIXED)	**DISCRETE (RANDOM)**	**CONTINUOUS**	**DISCRETE (FIXED)**	**DISCRETE (RANDOM)**	**CONTINUOUS**
		Monitor Audio (17)	Update Doppler (PZ) (46) Load Aircraft (Internal) (13)		Monitor Audio (17)
	Perform Cockpit Communication (Pilot) (26) Perform Cockpit Communication (Copilot) (25)		Perform External Communication (27) Perform Before Takeoff Check (Fly Through) (23)	Perform Cockpit Communication (Copilot) (25) Perform Cockpit Communication (Pilot) (26)	

UH-60 SEGMENT SUMMARY WORKSHEET

PHASE 3 Departure (PZ) **SEGMENT 15 Before Takeoff (External Load)**

PILOT			COPILOT		
DISCRETE (FIXED)	**DISCRETE (RANDOM)**	**CONTINUOUS**	**DISCRETE (FIXED)**	**DISCRETE (RANDOM)**	**CONTINUOUS**
		Monitor Audio (17)	Update Doppler (PZ) (46) Load Aircraft (Internal) (13)		Monitor Audio (17)
	Perform Cockpit Communication (Pilot) (26) Perform Cockpit Communication (Copilot) (25)			Perform Cockpit Communication (Copilot) (25) Perform Cockpit Communication (Pilot) (26)	
Load Cargo (External) (14)			Load Cargo (External) (14) Perform External Communication (27) Perform Before Takeoff Check (Fly Through) (23)		

UH-60 SEGMENT SUMMARY WORKSHEET

PHASE 3 Departure (PZ) **SEGMENT 16 Before Takeoff (External Load) [NVG]**

PILOT			COPILOT		
DISCRETE (FIXED)	**DISCRETE (RANDOM)**	**CONTINUOUS**	**DISCRETE (FIXED)**	**DISCRETE (RANDOM)**	**CONTINUOUS**
		Monitor Audio (17)	Update Doppler (PZ) (46) Load Aircraft (Internal) (13)		Monitor Audio (17)
	Perform Cockpit Communication (Pilot) (26) Perform Cockpit Communication (Copilot) (25)			Perform Cockpit Communication (Copilot) (25) Perform Cockpit Communication (Pilot) (26)	
Load Cargo (External) [NVG] (15)			Load Cargo (External) [NVG] (15) Perform External Communication (27) Perform Before Takeoff Check (Fly Through) (23)		

UH-60 SEGMENT SUMMARY WORKSHEET

PHASE 3 Departure (PZ) ***SEGMENT 02 Takeoff**

PILOT			COPILOT		
DISCRETE (FIXED)	**DISCRETE (RANDOM)**	**CONTINUOUS**	**DISCRETE (FIXED)**	**DISCRETE (RANDOM)**	**CONTINUOUS**
Perform Hover (29)	Monitor Threat (18)	Monitor Audio (17)	Perform Hover (29)	Monitor Threat (18)	Monitor Audio (17)
Establish Climb (07)					
Establish Level of Flight (09)			Establish Level of Flight (09)	Check Aircraft Systems (03)	
	Perform Cockpit Communication (Pilot) (26)			Perform Cockpit Communication (Copilot) (25)	
	Check Aircraft Systems (03)			Perform Cockpit Communication (Pilot) (26)	
	Perform Cockpit Communication (Copilot) (25)				

*Denotes segment that occurs in more than one mission phase.

UH-60 SEGMENT SUMMARY WORKSHEET

PHASE 3 Departure (PZ) ***SEGMENT 03 Takeoff [NVG]**

PILOT			COPILOT		
DISCRETE (FIXED)	**DISCRETE (RANDOM)**	**CONTINUOUS**	**DISCRETE (FIXED)**	**DISCRETE (RANDOM)**	**CONTINUOUS**
Perform Hover [NVG] (30)	Monitor Threat (18)	Monitor Audio (17)	Perform Hover [NVG] (30)	Monitor Threat (18)	Monitor Audio (17)
Establish Climb [NVG] (08)				Check Aircraft Systems (03)	
	Perform Cockpit Communication (Pilot) (26)			Perform Cockpit Communication (Copilot) (25)	
	Perform Cockpit Communication (Copilot) (25)			Perform Cockpit Communication (Pilot) (26)	
Establish Level of Flight [NVG] (10)	Check Aircraft Systems (03)		Establish Level of Flight [NVG] (10)		

*Denotes segment that occurs in more than one mission phase.

UH-60 SEGMENT SUMMARY WORKSHEET

PHASE 3 Departure (PZ) **SEGMENT 17 Takeoff (External)**

PILOT			COPILOT		
DISCRETE (FIXED)	**DISCRETE (RANDOM)**	**CONTINUOUS**	**DISCRETE (FIXED)**	**DISCRETE (RANDOM)**	**CONTINUOUS**
Establish Climb (07)	Monitor Threat (18)	Monitor Audio (17)		Monitor Threat (18)	Monitor Audio (17)
	Perform Cockpit Communication (Pilot) (26)			Perform Cockpit Communication (Copilot) (25)	
	Perform Cockpit Communication (Copilot) (25)			Perform Cockpit Communication (Pilot) (26)	
Establish Level of Flight (09)	Check Aircraft Systems (03)		Establish Level of Flight (09)	Check Aircraft Systems (03)	

UH-60 SEGMENT SUMMARY WORKSHEET

PHASE 3 Departure (PZ) **SEGMENT 18 Takeoff (External) [NVG]**

PILOT			COPILOT		
DISCRETE (FIXED)	**DISCRETE (RANDOM)**	**CONTINUOUS**	**DISCRETE (FIXED)**	**DISCRETE (RANDOM)**	**CONTINUOUS**
Establish Climb [NVG] (08)	Monitor Threat (18)	Monitor Audio (17)		Monitor Threat (18)	Monitor Audio (17)
	Perform Cockpit Communication (Pilot) (26)			Perform Cockpit Communication (Copilot) (25)	
	Perform Cockpit Communication (Copilot) (25)			Perform Cockpit Communication (Pilot) (26)	
Establish Level of Flight [NVG] (10)	Check Aircraft Systems (03)		Establish Level of Flight [NVG] (10)	Check Aircraft Systems (03)	

UH-60 SEGMENT SUMMARY WORKSHEET

PHASE 4 Enroute (PZ - LZ) ***SEGMENT 19** NOE Flight

PILOT			COPILOT		
DISCRETE (FIXED)	**DISCRETE (RANDOM)**	**CONTINUOUS**	**DISCRETE (FIXED)**	**DISCRETE (RANDOM)**	**CONTINUOUS**
	Monitor Threat (18) Check Aircraft Systems (03) Perform Cockpit Communication (Pilot) (26) Perform Cockpit Communication (Copilot) (25)	Adjust Flight Parameters (01) Monitor Audio (17)	Compute Fuel Burn Rate (04)	Monitor Threat (18) Check Aircraft Systems (03) Perform Cockpit Communication (Copilot) (25) Perform Cockpit Communication (Pilot) (26)	Perform Navigation (31) Monitor Audio (17)

*Denotes segment that occurs in more than one mission phase.

UH-60 SEGMENT SUMMARY WORKSHEET

PHASE 4 Enroute (PZ - LZ) *SEGMENT 20 NOE Flight [NVG]

PILOT			COPILOT		
DISCRETE (FIXED)	DISCRETE (RANDOM)	CONTINUOUS	DISCRETE (FIXED)	DISCRETE (RANDOM)	CONTINUOUS
	Monitor Threat (18)	Adjust Flight Parameters [NVG] (02)		Monitor Threat (18)	Perform Navigation [NVG] (32)
		Monitor Audio (17)			Monitor Audio (17)
	Check Aircraft Systems (03)			Check Aircraft Systems (03)	
	Perform Cockpit Communication (Pilot) (26)		Compute Fuel Burn Rate (04)	Perform Cockpit Communication (Copilot) (25)	
	Perform Cockpit Communication (Copilot) (25)			Perform Cockpit Communication (Pilot) (26)	

*Denotes segment that occurs in more than one mission phase.

UH-60 SEGMENT SUMMARY WORKSHEET

PHASE 4 Enroute (PZ - LZ) ***SEGMENT 21 NOE Flight (Threat)**

PILOT			COPILOT		
DISCRETE (FIXED)	**DISCRETE (RANDOM)**	**CONTINUOUS**	**DISCRETE (FIXED)**	**DISCRETE (RANDOM)**	**CONTINUOUS**
	Monitor Threat (18)	Adjust Flight Parameters (01)		Monitor Threat (18)	Perform Navigation (31)
		Monitor Audio (17)			Monitor Audio (17)
	Check Aircraft Systems (03)			Check Aircraft Systems (03)	
	Respond to Threat (38)				
	Perform Cockpit Communication (Pilot) (26)		Perform External Communication (Threat) (28)	Perform Cockpit Communication (Copilot) (25)	
	Perform Cockpit Communication (Copilot) (25)			Perform Cockpit Communication (Pilot) (26)	
			Compute Fuel Burn Rate (04)		

*Denotes segment that occurs in more than one mission phase.

UH-60 SEGMENT SUMMARY WORKSHEET

PHASE 4 Enroute (PZ - LZ)

*SEGMENT 22 NOE Flight (Threat) [NVG]

PILOT			COPILOT		
DISCRETE (FIXED)	DISCRETE (RANDOM)	CONTINUOUS	DISCRETE (FIXED)	DISCRETE (RANDOM)	CONTINUOUS
	Monitor Threat (18)	Adjust Flight Parameters [NVG] (02)		Monitor Threat (18)	Perform Navigation [NVG] (32)
		Monitor Audio (17)			Monitor Audio (17)
	Check Aircraft Systems (03)			Check Aircraft Systems (03)	
	Respond to Threat [NVG] (39)				
	Perform Cockpit Communication (Pilot) (26)		Compute Fuel Burn Rate (04)	Perform Cockpit Communication (Copilot) (25)	
	Perform Cockpit Communication (Copilot) (25)			Perform Cockpit Communication (Pilot) (26)	
			Perform External Communication (hreat) (28)		

*Denotes segment that occurs in more than one mission phase.

UH-60 SEGMENT SUMMARY WORKSHEET

PHASE 4 Enroute (PZ - LZ) ***SEGMENT 23 NOE Flight (Mission Change)**

PILOT			COPILOT		
DISCRETE (FIXED)	**DISCRETE (RANDOM)**	**CONTINUOUS**	**DISCRETE (FIXED)**	**DISCRETE (RANDOM)**	**CONTINUOUS**
	Monitor Threat (18)	Adjust Flight Parameters (01)		Monitor Threat (18)	Perform Navigation (31)
		Monitor Audio (17)			Monitor Audio (17)
	Check Aircraft Systems (03)		Compute Fuel Burn Rate (04)	Check Aircraft Systems (03)	
	Perform Cockpit Communication (Pilot) (26)			Mission Change (16)	
	Perform Cockpit Communication (Copilot) (25)			Perform Cockpit Communication (Copilot) (25)	
				Perform Cockpit Communication (Pilot) (26)	
			Update Doppler (Mission Change) (45)		

*Denotes segment that occurs in more than one mission phase.

UH-60 SEGMENT SUMMARY WORKSHEET

PHASE 4 Enroute (PZ - LZ)

*SEGMENT 24 NOE Flight (Mission Change) [NVG]

PILOT			COPILOT		
DISCRETE (FIXED)	DISCRETE (RANDOM)	CONTINUOUS	DISCRETE (FIXED)	DISCRETE (RANDOM)	CONTINUOUS
	Monitor Threat (18)	Adjust Flight Parameters [NVG] (02)		Monitor Threat (18)	Perform Navigation [NVG] (32)
		Monitor Audio (17)			Monitor Audio (17)
	Check Aircraft Systems (03)		Compute Fuel Burn Rate (04)	Check Aircraft Systems (03)	
	Perform Cockpit Communication (Pilot) (26)			Mission Change (16)	
	Perform Cockpit Communication (Copilot) (25)			Perform Cockpit Communication (Copilot) (25)	
				Perform Cockpit Communication (Pilot) (26)	
			Update Doppler (Mission Change) (45)		

*Denotes segment that occurs in more than one mission phase.

UH-60 SEGMENT SUMMARY WORKSHEET

PHASE 4 Enroute (PZ - LZ) **SEGMENT 25 Approach (LZ)**

PILOT			COPILOT		
DISCRETE (FIXED)	**DISCRETE (RANDOM)**	**CONTINUOUS**	**DISCRETE (FIXED)**	**DISCRETE (RANDOM)**	**CONTINUOUS**
Establish Approach (05)	Monitor Threat (18)	Monitor Audio (17)	Perform Before Landing Check (LZ) (21)	Monitor Threat (18)	Monitor Audio (17)
	Perform Cockpit Communication (Pilot) (26)			Perform Cockpit Communication (Copilot) (25)	
	Perform Cockpit Communication (Copilot) (25)			Perform Cockpit Communication (Pilot) (26)	
	Check Aircraft Systems (03)			Check Aircraft Systems (03)	

UH-60 SEGMENT SUMMARY WORKSHEET

PHASE 4 Enroute (PZ - LZ) **SEGMENT 26 Approach (LZ) [NVG]**

PILOT			COPILOT		
DISCRETE (FIXED)	**DISCRETE (RANDOM)**	**CONTINUOUS**	**DISCRETE (FIXED)**	**DISCRETE (RANDOM)**	**CONTINUOUS**
Establish Approach [NVG] (06)	Monitor Threat (18)	Monitor Audio (17)		Monitor Threat (18)	Monitor Audio (17)
			Perform Before Landing Check (LZ) (21)		
	Perform Cockpit Communication (Pilot) (26)			Perform Cockpit Communication (Copilot) (25)	
	Perform Cockpit Communication (Copilot) (25)			Perform Cockpit Communication (Pilot) (26)	
	Check Aircraft Systems (03)			Check Aircraft Systems (03)	

UH-60 SEGMENT SUMMARY WORKSHEET

PHASE 4 Enroute (PZ - LZ) **SEGMENT 27 Landing (LZ, Internal Load)**

PILOT			COPILOT		
DISCRETE (FIXED)	**DISCRETE (RANDOM)**	**CONTINUOUS**	**DISCRETE (FIXED)**	**DISCRETE (RANDOM)**	**CONTINUOUS**
Perform Hover (29)		Monitor Audio (17)	Perform Hover (29)		Monitor Audio (17)
Land Aircraft (11)			Land Aircraft (11)		
	Perform Cockpit Communication (Pilot) (26)			Perform Cockpit Communication (Copilot) (25)	
	Perform Cockpit Communication (Copilot) (25)			Perform Cockpit Communication (Pilot) (26)	
			Unload Aircraft (Internal) (40)		

UH-60 SEGMENT SUMMARY WORKSHEET

PHASE 4 Enroute (PZ - LZ)

SEGMENT 28 Landing (LZ, Internal Load) [NVG]

PILOT			COPILOT		
DISCRETE (FIXED)	**DISCRETE (RANDOM)**	**CONTINUOUS**	**DISCRETE (FIXED)**	**DISCRETE (RANDOM)**	**CONTINUOUS**
Perform Hover [NVG] (30)		Monitor Audio (17)	Perform Hover [NVG] (30)		Monitor Audio (17)
Land Aircraft [NVG] (12)			Land Aircraft [NVG] (12)		
	Perform Cockpit Communication (Pilot) (26)			Perform Cockpit Communication (Copilot) (25)	
	Perform Cockpit Communication (Copilot) (25)			Perform Cockpit Communication (Pilot) (26)	
			Unload Aircraft (Internal) (40)		

UH-60 SEGMENT SUMMARY WORKSHEET

PHASE 4 Enroute (PZ - LZ) **SEGMENT 29 Landing (LZ, External Load)**

PILOT			COPILOT		
DISCRETE (FIXED)	**DISCRETE (RANDOM)**	**CONTINUOUS**	**DISCRETE (FIXED)**	**DISCRETE (RANDOM)**	**CONTINUOUS**
Perform Hover (29)		Monitor Audio (17)	Perform Hover (29)		Monitor Audio (17)
Unload Cargo (External) (41)					
	Perform Cockpit Communication (Pilot) (26)			Perform Cockpit Communication (Copilot) (25)	
	Perform Cockpit Communication (Copilot) (25)			Perform Cockpit Communication (Pilot) (26)	
Land Aircraft (11)			Land Aircraft (11)		
			Unload Aircraft (Internal) (40)		

UH-60 SEGMENT SUMMARY WORKSHEET

PHASE 4 Enroute (PZ - LZ)

SEGMENT 30 Landing (LZ, External Load) [NVG]

PILOT			COPILOT		
DISCRETE (FIXED)	**DISCRETE (RANDOM)**	**CONTINUOUS**	**DISCRETE (FIXED)**	**DISCRETE (RANDOM)**	**CONTINUOUS**
Perform Hover [NVG] (30)		Monitor Audio (17)	Perform Hover [NVG] (30)		Monitor Audio (17)
Unload Cargo (External) [NVG] (42)					
	Perform Cockpit Communication (Pilot) (26)			Perform Cockpit Communication (Copilot) (25)	
	Perform Cockpit Communication (Copilot) (25)			Perform Cockpit Communication (Pilot) (26)	
Land Aircraft [NVG] (12)			Land Aircraft [NVG] (12)		
			Unload Aircraft (Internal) (40)		

UH-60 SEGMENT SUMMARY WORKSHEET

PHASE 5 Departure (LZ) **SEGMENT 31 Before Takeoff (LZ)**

PILOT			COPILOT		
DISCRETE (FIXED)	**DISCRETE (RANDOM)**	**CONTINUOUS**	**DISCRETE (FIXED)**	**DISCRETE (RANDOM)**	**CONTINUOUS**
		Monitor Audio (17)	Update Doppler (PZ) (46) Perform Before Takeoff Check (Fly Through) (23)		Monitor Audio (17)
	Perform Cockpit Communication (Pilot) (26) Perform Cockpit Communication (Copilot) (25)			Perform Cockpit Communication (Copilot) (25) Perform Cockpit Communication (Pilot) (26)	

UH-60 SEGMENT SUMMARY WORKSHEET

PHASE 5 Departure (LZ) ***SEGMENT 02 Takeoff**

PILOT			COPILOT		
DISCRETE (FIXED)	**DISCRETE (RANDOM)**	**CONTINUOUS**	**DISCRETE (FIXED)**	**DISCRETE (RANDOM)**	**CONTINUOUS**
Perform Hover (29)	Monitor Threat (18)	Monitor Audio (17)	Perform Hover (29)	Monitor Threat (18)	Monitor Audio (17)
Establish Climb (07)					
Establish Level of Flight (09)			Establish Level of Flight (09)	Check Aircraft Systems (03)	
	Perform Cockpit Communication (Pilot) (26)			Perform Cockpit Communication (Copilot) (25)	
	Check Aircraft Systems (03)			Perform Cockpit Communication (Pilot) (26)	
	Perform Cockpit Communication (Copilot) (25)				

*Denotes segment that occurs in more than one mission phase.

UH-60 SEGMENT SUMMARY WORKSHEET

PHASE 5 Departure (LZ) ***SEGMENT 03 Takeoff [NVG]**

PILOT			COPILOT		
DISCRETE (FIXED)	**DISCRETE (RANDOM)**	**CONTINUOUS**	**DISCRETE (FIXED)**	**DISCRETE (RANDOM)**	**CONTINUOUS**
Perform Hover [NVG] (30)	Monitor Threat (18)	Monitor Audio (17)	Perform Hover [NVG] (30)	Monitor Threat (18)	Monitor Audio (17)
Establish Climb [NVG] (08)				Check Aircraft Systems (03)	
	Perform Cockpit Communication (Pilot) (26)			Perform Cockpit Communication (Copilot) (25)	
	Perform Cockpit Communication (Copilot) (25)			Perform Cockpit Communication (Pilot) (26)	
Establish Level of Flight [NVG] (10)	Check Aircraft Systems (03)		Establish Level of Flight [NVG] (10)		

*Denotes segment that occurs in more than one mission phase.

UH-60 SEGMENT SUMMARY WORKSHEET

PHASE 6 Enroute (LZ - PZ) or (LZ - FARP)

*SEGMENT 19 NOE Flight

PILOT			COPILOT		
DISCRETE (FIXED)	DISCRETE (RANDOM)	CONTINUOUS	DISCRETE (FIXED)	DISCRETE (RANDOM)	CONTINUOUS
	Monitor Threat (18)	Adjust Flight Parameters (01)		Monitor Threat (18)	Perform Navigation (31)
		Monitor Audio (17)			Monitor Audio (17)
	Check Aircraft Systems (03)			Check Aircraft Systems (03)	
	Perform Cockpit Communication (Pilot) (26)		Compute Fuel Burn Rate (04)	Perform Cockpit Communication (Copilot) (25)	
	Perform Cockpit Communication (Copilot) (25)			Perform Cockpit Communication (Pilot) (26)	

*Denotes segment that occurs in more than one mission phase.

UH-60 SEGMENT SUMMARY WORKSHEET

PHASE 6 Enroute (LZ - PZ) or (LZ - FARP) ***SEGMENT 20** NOE Flight [NVG]

PILOT			COPILOT		
DISCRETE (FIXED)	**DISCRETE (RANDOM)**	**CONTINUOUS**	**DISCRETE (FIXED)**	**DISCRETE (RANDOM)**	**CONTINUOUS**
	Monitor Threat (18)	Adjust Flight Parameters [NVG] (02)		Monitor Threat (18)	Perform Navigation [NVG] (32)
		Monitor Audio (17)			Monitor Audio (17)
	Check Aircraft Systems (03)			Check Aircraft Systems (03)	
	Perform Cockpit Communication (Pilot) (26)		Compute Fuel Burn Rate (04)	Perform Cockpit Communication (Copilot) (25)	
	Perform Cockpit Communication (Copilot) (25)			Perform Cockpit Communication (Pilot) (26)	

*Denotes segment that occurs in more than one mission phase.

UH-60 SEGMENT SUMMARY WORKSHEET

PHASE 6 Enroute (LZ - PZ) or (LZ - FARP) ***SEGMENT 21 NOE Flight (Threat)**

PILOT			COPILOT		
DISCRETE (FIXED)	**DISCRETE (RANDOM)**	**CONTINUOUS**	**DISCRETE (FIXED)**	**DISCRETE (RANDOM)**	**CONTINUOUS**
	Monitor Threat (18)	Adjust Flight Parameters (01)		Monitor Threat (18)	Perform Navigation (31)
		Monitor Audio (17)			Monitor Audio (17)
	Check Aircraft Systems (03)			Check Aircraft Systems (03)	
	Respond to Threat (38)				
	Perform Cockpit Communication (Pilot) (26)		Compute Fuel Burn Rate (04)	Perform Cockpit Communication (Copilot) (25)	
	Perform Cockpit Communication (Copilot) (25)			Perform Cockpit Communication (Pilot) (26)	
			Perform External Communication (Threat) (28)		

*Denotes segment that occurs in more than one mission phase.

UH-60 SEGMENT SUMMARY WORKSHEET

PHASE 6 Enroute (LZ - PZ) or (LZ - FARP)

*SEGMENT 22 NOE Flight (Threat) [NVG]

PILOT			COPILOT		
DISCRETE (FIXED)	DISCRETE (RANDOM)	CONTINUOUS	DISCRETE (FIXED)	DISCRETE (RANDOM)	CONTINUOUS
	Monitor Threat (18) Check Aircraft Systems (03) Respond to Threat [NVG] (39) Perform Cockpit Communication (Pilot) (26) Perform Cockpit Communication (Copilot) (25)	Adjust Flight Parameters [NVG] (02) Monitor Audio (17)	Compute Fuel Burn Rate (04) Perform External Communication (Threat) (28)	Monitor Threat (18) Check Aircraft Systems (03) Perform Cockpit Communication (Copilot) (25) Perform Cockpit Communication (Pilot) (26)	Perform Navigation [NVG] (32) Monitor Audio (17)

*Denotes segment that occurs in more than one mission phase.

UH-60 SEGMENT SUMMARY WORKSHEET

PHASE 6 Enroute (LZ - PZ) or (LZ - FARP) ***SEGMENT 23 NOE Flight (Mission Change)**

PILOT			COPILOT		
DISCRETE (FIXED)	**DISCRETE (RANDOM)**	**CONTINUOUS**	**DISCRETE (FIXED)**	**DISCRETE (RANDOM)**	**CONTINUOUS**
	Monitor Threat (18)	Adjust Flight Parameters (01)		Monitor Threat (18)	Perform Navigation (31)
		Monitor Audio (17)			Monitor Audio (17)
	Check Aircraft Systems (03)		Compute Fuel Burn Rate (04)	Check Aircraft Systems (03)	
	Perform Cockpit Communication (Pilot) (26)			Mission Change (16)	
	Perform Cockpit Communication (Copilot) (25)			Perform Cockpit Communication (Copilot) (25)	
				Perform Cockpit Communication (Pilot) (26)	
			Update Doppler (Mission Change) (45)		

*Denotes segment that occurs in more than one mission phase.

UH-60 SEGMENT SUMMARY WORKSHEET

PHASE 6 Enroute (LZ - PZ) or (LZ - FARP) ***SEGMENT 24 NOE Flight (Mission Change) [NVG]**

PILOT			COPILOT		
DISCRETE (FIXED)	**DISCRETE (RANDOM)**	**CONTINUOUS**	**DISCRETE (FIXED)**	**DISCRETE (RANDOM)**	**CONTINUOUS**
	Monitor Threat (18)	Adjust Flight Parameters [NVG] (02)		Monitor Threat (18)	Perform Navigation [NVG] (32)
		Monitor Audio (17)			Monitor Audio (17)
	Check Aircraft Systems (03)		Compute Fuel Burn Rate (04)	Check Aircraft Systems (03)	
	Perform Cockpit Communication (Pilot) (26)			Mission Change (16)	
	Perform Cockpit Communication (Copilot) (25)			Perform Cockpit Communication (Copilot) (25)	
				Perform Cockpit Communication (Pilot) (26)	
			Update Doppler (Mission Change) (45)		

*Denotes segment that occurs in more than one mission phase.

UH-60 SEGMENT SUMMARY WORKSHEET

PHASE 6 Enroute (LZ - PZ) or (LZ - FARP) ***SEGMENT 10 Approach**

PILOT			COPILOT		
DISCRETE (FIXED)	**DISCRETE (RANDOM)**	**CONTINUOUS**	**DISCRETE (FIXED)**	**DISCRETE (RANDOM)**	**CONTINUOUS**
Establish Approach (05)	Monitor Threat (18) Perform Cockpit Communication (Pilot) (26) Perform Cockpit Communication (Copilot) (25) Check Aircraft Systems (03)	Monitor Audio (17)	Perform External Communication (27) Perform Before Landing Check (20)	Monitor Threat (18) Perform Cockpit Communication (Copilot) (25) Perform Cockpit Communication (Pilot) (26) Check Aircraft Systems (03)	Monitor Audio (17)

*Denotes segment that occurs in more than one mission phase.

UH-60 SEGMENT SUMMARY WORKSHEET

PHASE 6 Enroute (LZ - PZ) or (LZ - FARP) ***SEGMENT 11 Approach [NVG]**

PILOT			COPILOT		
DISCRETE (FIXED)	**DISCRETE (RANDOM)**	**CONTINUOUS**	**DISCRETE (FIXED)**	**DISCRETE (RANDOM)**	**CONTINUOUS**
Establish Approach [NVG] (06)	Monitor Threat (18) Perform Cockpit Communication (Pilot) (26) Perform Cockpit Communication (Copilot) (25) Check Aircraft Systems (03)	Monitor Audio (17)	Perform External Communication (27) Perform Before Landing Check (20)	Monitor Threat (18) Perform Cockpit Communication (Copilot) (25) Perform Cockpit Communication (Pilot) (26) Check Aircraft Systems (03)	Monitor Audio (17)

*Denotes segment that occurs in more than one mission phase.

UH-60 SEGMENT SUMMARY WORKSHEET

PHASE 6 Enroute (LZ - PZ) or (LZ - FARP) ***SEGMENT 12 Landing**

PILOT			COPILOT		
DISCRETE (FIXED)	**DISCRETE (RANDOM)**	**CONTINUOUS**	**DISCRETE (FIXED)**	**DISCRETE (RANDOM)**	**CONTINUOUS**
Perform Hover (29) Land Aircraft (11)	Perform Cockpit Communication (Pilot) (26) Perform Cockpit Communication (Copilot) (25)	Monitor Audio (17)	Perform External Communication (27) Perform Hover (29) Land Aircraft (11) Perform After Landing Check (19)	Perform Cockpit Communication (Copilot) (25) Perform Cockpit Communication (Pilot) (26)	Monitor Audio (17)

*Denotes segment that occurs in more than one mission phase.

UH-60 SEGMENT SUMMARY WORKSHEET

PHASE 6 Enroute (LZ - PZ) or (LZ - FARP)

*SEGMENT 13 Landing [NVG]

PILOT			COPILOT		
DISCRETE (FIXED)	**DISCRETE (RANDOM)**	**CONTINUOUS**	**DISCRETE (FIXED)**	**DISCRETE (RANDOM)**	**CONTINUOUS**
Perform Hover [NVG] (30) Land Aircraft [NVG] (12)	Perform Cockpit Communication (Pilot) (26) Perform Cockpit Communication (Copilot) (25)	Monitor Audio (17)	Perform External Communication (27) Perform Hover [NVG] (30) Land Aircraft [NVG] (12) Perform After Landing Check (19)	Perform Cockpit Communication (Copilot) (25) Perform Cockpit Communication (Pilot) (26)	Monitor Audio (17)

*Denotes segment that occurs in more than one mission phase.

UH-60 SEGMENT SUMMARY WORKSHEET

PHASE 7 FARP Operations **SEGMENT 32 FARP Procedures**

PILOT			COPILOT		
DISCRETE (FIXED)	**DISCRETE (RANDOM)**	**CONTINUOUS**	**DISCRETE (FIXED)**	**DISCRETE (RANDOM)**	**CONTINUOUS**
Perform Taxi (33)		Monitor Audio (17)	Perform Taxi (33)		Monitor Audio (17)
Refuel Aircraft (37)	Perform Cockpit Communication (Pilot) (26)		Refuel Aircraft (37)	Perform Cockpit Communication (Copilot) (25)	
Perform Before Taxi Check (FARP) (24)	Perform Cockpit Communication (Copilot) (25)		Perform Before Taxi Check (FARP) (24)	Perform Cockpit Communication (Pilot) (26)	
Perform Taxi (33)			Perform Taxi (33)		

UH-60 SEGMENT SUMMARY WORKSHEET

PHASE 7 FARP Operations **SEGMENT 33 FARP Procedures [NVG]**

PILOT			COPILOT		
DISCRETE (FIXED)	**DISCRETE (RANDOM)**	**CONTINUOUS**	**DISCRETE (FIXED)**	**DISCRETE (RANDOM)**	**CONTINUOUS**
Perform Taxi [NVG] (34)		Monitor Audio (17)	Perform Taxi [NVG] (34)		Monitor Audio (17)
Refuel Aircraft (37)	Perform Cockpit Communication (Pilot) (26)		Refuel Aircraft (37)	Perform Cockpit Communication (Copilot) (25)	
Perform Before Taxi Check (FARP) (24)	Perform Cockpit Communication (Copilot) (25)		Perform Before Taxi Check (FARP) (24)	Perform Cockpit Communication (Pilot) (26)	
Perform Taxi [NVG] (34)			Perform Taxi [NVG] (34)		

UH-60 SEGMENT SUMMARY WORKSHEET

PHASE 7 FARP Operations **SEGMENT 34 Before Takeoff (FARP)**

PILOT			COPILOT		
DISCRETE (FIXED)	**DISCRETE (RANDOM)**	**CONTINUOUS**	**DISCRETE (FIXED)**	**DISCRETE (RANDOM)**	**CONTINUOUS**
		Monitor Audio (17)	Perform External Communication (27)		Monitor Audio (17)
	Perform Cockpit Communication (Pilot) (26)		Update Doppler (PZ) (46)	Perform Cockpit Communication (Copilot) (25)	
	Perform Cockpit Communication (Copilot) (25)		Perform Before Takeoff Check (Fly Through) (23)	Perform Cockpit Communication (Pilot) (26)	

UH-60 SEGMENT SUMMARY WORKSHEET

PHASE 7 FARP Operations ***SEGMENT 02 Takeoff**

PILOT			COPILOT		
DISCRETE (FIXED)	**DISCRETE (RANDOM)**	**CONTINUOUS**	**DISCRETE (FIXED)**	**DISCRETE (RANDOM)**	**CONTINUOUS**
Perform Hover (29)	Monitor Threat (18)	Monitor Audio (17)	Perform Hover (29)	Monitor Threat (18)	Monitor Audio (17)
Establish Climb (07)					
Establish Level of Flight (09)			Establish Level of Flight (09)	Check Aircraft Systems (03)	
	Perform Cockpit Communication (Pilot) (26)			Perform Cockpit Communication (Copilot) (25)	
	Check Aircraft Systems (03)			Perform Cockpit Communication (Pilot) (26)	
	Perform Cockpit Communication (Copilot) (25)				

*Denotes segment that occurs in more than one mission phase.

UH-60 SEGMENT SUMMARY WORKSHEET

PHASE 7 FARP Operations ***SEGMENT C3 Takeoff [NVG]**

PILOT			COPILOT		
DISCRETE (FIXED)	**DISCRETE (RANDOM)**	**CONTINUOUS**	**DISCRETE (FIXED)**	**DISCRETE (RANDOM)**	**CONTINUOUS**
Perform Hover [NVG] (30)	Monitor Threat (18)	Monitor Audio (17)	Perform Hover [NVG] (30)	Monitor Threat (18)	Monitor Audio (17)
Establish Climb [NVG] (08)				Check Aircraft Systems (03)	
	Perform Cockpit Communication (Pilot) (26)			Perform Cockpit Communication (Copilot) (25)	
	Perform Cockpit Communication (Copilot) (25)			Perform Cockpit Communication (Pilot) (26)	
Establish Level of Flight [NVG] (10)	Check Aircraft Systems (03)		Establish Level of Flight [NVG] (10)		

*Denotes segment that occurs in more than one mission phase.

UH-60 SEGMENT SUMMARY WORKSHEET

PHASE 8 Enroute (FARP - PZ) ***SEGMENT 19 NOE Flight**

PILOT			COPILOT		
DISCRETE (FIXED)	**DISCRETE (RANDOM)**	**CONTINUOUS**	**DISCRETE (FIXED)**	**DISCRETE (RANDOM)**	**CONTINUOUS**
	Monitor Threat (18)	Adjust Flight Parameters (01)		Monitor Threat (18)	Perform Navigation (31)
		Monitor Audio (17)			Monitor Audio (17)
	Check Aircraft Systems (03)			Check Aircraft Systems (03)	
	Perform Cockpit Communication (Pilot) (26)		Compute Fuel Burn Rate (04)	Perform Cockpit Communication (Copilot) (25)	
	Perform Cockpit Communication (Copilot) (25)			Perform Cockpit Communication (Pilot) (26)	

*Denotes segment that occurs in more than one mission phase.

UH-60 SEGMENT SUMMARY WORKSHEET

PHASE 8 Enroute (FARP - PZ) ***SEGMENT 20 NOE Flight [NVG]**

PILOT			COPILOT		
DISCRETE (FIXED)	**DISCRETE (RANDOM)**	**CONTINUOUS**	**DISCRETE (FIXED)**	**DISCRETE (RANDOM)**	**CONTINUOUS**
	Monitor Threat (18)	Adjust Flight Parameters [NVG] (02)		Monitor Threat (18)	Perform Navigation [NVG] (32)
		Monitor Audio (17)			Monitor Audio (17)
	Check Aircraft Systems (03)			Check Aircraft Systems (03)	
	Perform Cockpit Communication (Pilot) (26)		Compute Fuel Burn Rate (04)	Perform Cockpit Communication (Copilot) (25)	
	Perform Cockpit Communication (Copilot) (25)			Perform Cockpit Communication (Pilot) (26)	

*Denotes segment that occurs in more than one mission phase.

UH-60 SEGMENT SUMMARY WORKSHEET

PHASE 8 Enroute (FARP - PZ) ***SEGMENT 21 NOE Flight (Threat)**

PILOT			COPILOT		
DISCRETE (FIXED)	**DISCRETE (RANDOM)**	**CONTINUOUS**	**DISCRETE (FIXED)**	**DISCRETE (RANDOM)**	**CONTINUOUS**
	Monitor Threat (18)	Adjust Flight Parameters (01)		Monitor Threat (18)	Perform Navigation (31)
		Monitor Audio (17)			Monitor Audio (17)
	Check Aircraft Systems (03)			Check Aircraft Systems (03)	
	Respond to Threat (38)				
	Perform Cockpit Communication (Pilot) (26)		Perform External Communication (Threat) (28)	Perform Cockpit Communication (Copilot) (25)	
	Perform Cockpit Communication (Copilot) (25)			Perform Cockpit Communication (Pilot) (26)	
			Compute Fuel Burn Rate (04)		

*Denotes segment that occurs in more than one mission phase.

UH-60 SEGMENT SUMMARY WORKSHEET

PHASE 8 Enroute (FARP - PZ) ***SEGMENT 22 NOE Flight (Threat) [NVG]**

PILOT			COPILOT		
DISCRETE (FIXED)	**DISCRETE (RANDOM)**	**CONTINUOUS**	**DISCRETE (FIXED)**	**DISCRETE (RANDOM)**	**CONTINUOUS**
	Monitor Threat (18)	Adjust Flight Parameters [NVG] (02)		Monitor Threat (18)	Perform Navigation [NVG] (32)
		Monitor Audio (17)			Monitor Audio (17)
	Check Aircraft Systems (03)			Check Aircraft Systems (03)	
	Respond to Threat [NVG] (39)				
	Perform Cockpit Communication (Pilot) (26)		Compute Fuel Burn Rate (04)	Perform Cockpit Communication (Copilot) (25)	
	Perform Cockpit Communication (Copilot) (25)			Perform Cockpit Communication (Pilot) (26)	
			Perform External Communication (Threat) (28)		

*Denotes segment that occurs in more than one mission phase.

UH-60 SEGMENT SUMMARY WORKSHEET

PHASE 8 Enroute (FARP - PZ) ***SEGMENT 23 NOE Flight (Mission Change)**

PILOT			COPILOT		
DISCRETE (FIXED)	**DISCRETE (RANDOM)**	**CONTINUOUS**	**DISCRETE (FIXED)**	**DISCRETE (RANDOM)**	**CONTINUOUS**
	Monitor Threat (18)	Adjust Flight Parameters (01)		Monitor Threat (18)	Perform Navigation (31)
		Monitor Audio (17)			Monitor Audio (17)
	Check Aircraft Systems (03)		Compute Fuel Burn Rate (04)	Check Aircraft Systems (03)	
	Perform Cockpit Communication (Pilot) (26)			Mission Change (16)	
	Perform Cockpit Communication (Copilot) (25)			Perform Cockpit Communication (Copilot) (25)	
				Perform Cockpit Communication (Pilot) (26)	
			Update Doppler (Mission Change) (45)		

*Denotes segment that occurs in more than one mission phase.

UH-60 SEGMENT SUMMARY WORKSHEET

PHASE 8 Enroute (FARP - PZ) ***SEGMENT 24 NOE Flight (Mission Change) [NVG]**

PILOT			COPILOT		
DISCRETE (FIXED)	**DISCRETE (RANDOM)**	**CONTINUOUS**	**DISCRETE (FIXED)**	**DISCRETE (RANDOM)**	**CONTINUOUS**
	Monitor Threat (18)	Adjust Flight Parameters [NVG] (02)		Monitor Threat (18)	Perform Navigation [NVG] (32)
		Monitor Audio (17)			Monitor Audio (17)
	Check Aircraft Systems (03)		Compute Fuel Burn Rate (04)	Check Aircraft Systems (03)	
	Perform Cockpit Communication (Pilot) (26)			Mission Change (16)	
	Perform Cockpit Communication (Copilot) (25)			Perform Cockpit Communication (Copilot) (25)	
				Perform Cockpit Communication (Pilot) (26)	
			Update Doppler (Mission Change) (45)		

*Denotes segment that occurs in more than one mission phase.

UH-60 SEGMENT SUMMARY WORKSHEET

PHASE 8 Enroute (FARP - PZ) ***SEGMENT 10 Approach**

PILOT			COPILOT		
DISCRETE (FIXED)	**DISCRETE (RANDOM)**	**CONTINUOUS**	**DISCRETE (FIXED)**	**DISCRETE (RANDOM)**	**CONTINUOUS**
Establish Approach (05)	Monitor Threat (18) Perform Cockpit Communication (Pilot) (26) Perform Cockpit Communication (Copilot) (25) Check Aircraft Systems (03)	Monitor Audio (17)	Perform External Communication (27) Perform Before Landing Check (20)	Monitor Threat (18) Perform Cockpit Communication (Copilot) (25) Perform Cockpit Communication (Pilot) (26) Check Aircraft Systems (03)	Monitor Audio (17)

*Denotes segment that occurs in more than one mission phase.

UH-60 SEGMENT SUMMARY WORKSHEET

PHASE 8 Enroute (FARP - PZ) ***SEGMENT 11 Approach [NVG]**

PILOT			COPILOT		
DISCRETE (FIXED)	**DISCRETE (RANDOM)**	**CONTINUOUS**	**DISCRETE (FIXED)**	**DISCRETE (RANDOM)**	**CONTINUOUS**
Establish Approach [NVG] (06)	Monitor Threat (18) Perform Cockpit Communication (Pilot) (26) Perform Cockpit Communication (Copilot) (25) Check Aircraft Systems (03)	Monitor Audio (17)	Perform External Communication (27) Perform Before Landing Check (20)	Monitor Threat (18) Perform Cockpit Communication (Copilot) (25) Perform Cockpit Communication (Pilot) (26) Check Aircraft Systems (03)	Monitor Audio (17)

*Denotes segment that occurs in more than one mission phase.

UH-60 SEGMENT SUMMARY WORKSHEET

PHASE 8 Enroute (FARP - PZ) ***SEGMENT 12 Landing**

PILOT			COPILOT		
DISCRETE (FIXED)	**DISCRETE (RANDOM)**	**CONTINUOUS**	**DISCRETE (FIXED)**	**DISCRETE (RANDOM)**	**CONTINUOUS**
Perform Hover (29) Land Aircraft (11)	Perform Cockpit Communication (Pilot) (26) Perform Cockpit Communication (Copilot) (25)	Monitor Audio (17)	Perform External Communication (27) Perform Hover (29) Land Aircraft (11) Perform After Landing Check (19)	Perform Cockpit Communication (Copilot) (25) Perform Cockpit Communication (Pilot) (26)	Monitor Audio (17)

*Denotes segment that occurs in more than one mission phase.

PHASE 8 Enroute (FARP - PZ) ***SEGMENT 13 Landing [NVG]**

PILOT			COPILOT		
DISCRETE (FIXED)	**DISCRETE (RANDOM)**	**CONTINUOUS**	**DISCRETE (FIXED)**	**DISCRETE (RANDOM)**	**CONTINUOUS**
Perform Hover [NVG] (30) Land Aircraft [NVG] (12)	Perform Cockpit Communication (Pilot) (26) Perform Cockpit Communication (Copilot) (25)	Monitor Audio (17)	Perform External Communication (27) Perform Hover [NVG] (30) Land Aircraft [NVG] (12) Perform After Landing Check (19)	Perform Cockpit Communication (Copilot) (25) Perform Cockpit Communication (Pilot) (26)	Monitor Audio (17)

*Denotes segment that occurs in more than one mission phase.

APPENDIX I

SEGMENT DECISION RULES WORKSHEETS

Once the Segment Summary Worksheets (see Appendix H) were completed for each segment, decision rules were written to describe the exact manner in which the functions must be combined to form the segment. The Segment Decision Rules Worksheets in this appendix contain the decision rules defining the sequence of the functions performed by each crewmember and the times on the mission segment timelines at which the functions begin and end.

UH-60 SEGMENT DECISION RULES

PHASE 1 DEPARTURE — **SEGMENT 01 Before Takeoff (Assembly Area)**

PILOT			COPILOT		
DISCRETE (FIXED)	**DISCRETE (RANDOM)**	**CONTINUOUS**	**DISCRETE (FIXED)**	**DISCRETE (RANDOM)**	**CONTINUOUS**
Start Function 27 when Function 35 ends. Function 27 lasts 12 seconds. Start Function 22 when Function 36 ends. Function 22 lasts 47 seconds.	6 times during the segment, randomly select (.50) Function 25 or Function 26. Functions 25 and 26 last 7 seconds each and cannot occur concurrently with Function 27. Program these functions to interrupt any ongoing discrete fixed function.	Start Segment 1 fwith Function 17 Function 17 lasts 516 seconds.	Start Segment 01 with Function 36. Function 36 lasts 85 seconds. After 2.5 seconds, interrupt Function 36 and start Function 35. Function 35 lasts 384 seconds. After Function 35 ends, finish Function 36. Start Function 22 when Function 36 ends. Function 22 lasts 10 seconds.	Insert Function 25 each time the pilot performs Function 25 and Function 26 each time the pilot performs Function 26. Program these functions to interrupt any ongoing discrete fixed function.	Start Function 17 concurrently with Function 35. Function 17 lasts 511 seconds.

PHASE 1 DEPARTURE — ***SEGMENT 02 Takeoff**

PILOT			COPILOT		
DISCRETE (FIXED)	**DISCRETE (RANDOM)**	**CONTINUOUS**	**DISCRETE (FIXED)**	**DISCRETE (RANDOM)**	**CONTINUOUS**
Start Segment 02 with Function 29. Function 29 lasts 120 seconds. Start Function 07 when Function 29 ends. Function 07 lasts 33.5 seconds. Start Function 09 when Function 07 ends. Function 09 lasts 134.5 seconds.	5 times during the segment, randomly select (.50) Function 25 or Function 26. Functions 25 and 26 last 7 seconds each and cannot occur concurrently with Function 03. 2 times during the first 120 seconds, randomly select Function 03. Function 03 lasts 10.5 seconds and cannot occur concurrently with Functions 18, 25, or 26. 2 times during the segment, randomly select Function 18. Function 18 lasts 3.5 seconds and cannot occur concurrently with Function 03.	Start Function 17 concurrently with Function 29. Function 17 lasts 288 seconds.	Start Segment 02 with Function 29. Function 29 lasts 120 seconds.	Insert Function 25 each time the pilot performs Function 25 and Function 26 each time the pilot performs Function 26. 3 times during the segment, randomly select Function 03. Function 03 lasts 10.5 seconds and cannot occur concurrently with Functions 18, 25, or 26. 3 times during the segment, randomly select Function 18. Function 18 lasts 3.5 seconds and cannot occur concurrently with Function 03.	Start Function 17 concurrently with Function 29. Function 17 lasts 288 seconds.

*Denotes segment that occurs in more than one mission phase.

UH-60 SEGMENT DECISION RULES

PHASE 1 DEPARTURE

*SEGMENT 03 Takeoff [NVG]

PILOT			COPILOT		
DISCRETE (FIXED)	DISCRETE (RANDOM)	CONTINUOUS	DISCRETE (FIXED)	DISCRETE (RANDOM)	CONTINUOUS
Start Segment 03 with Function 30. Function 30 lasts 220 seconds. Start Function 08 when Function 30 ends. Function 08 lasts 94 seconds. Start Function 10 when Function 08 ends. Function 10 lasts 195 seconds.	5 times during the segment, randomly select (.50) Function 25 or Function 26. Functions 25 and 26 last 7 seconds each and cannot occur concurrently with Function 03. 1 time during the segment, randomly select (.50) Function 03. Function 03 lasts 10.5 seconds and cannot occur concurrently with Functions 18, 25, or 26. 1 time during the segment, randomly select Function 18. Function 18 lasts 3.5 seconds and cannot occur concurrently with Function 03.	Start Function 17 concurrently with Function 30. Function 17 lasts 509 seconds.	Start Segment 03 with Function 30. Function 30 lasts 220 seconds.	Insert Function 25 each time the pilot performs Function 25 and Function 26 each time the pilot performs Function 26. 3 times during the segment, randomly select Function 03. Function 03 lasts 10.5 seconds and cannot occur concurrently with Functions 18, 25, or 26. 3 times during the segment, randomly select Function 18. Function 18 lasts 3.5 seconds and cannot occur concurrently with Function 03.	Start Function 17 concurrently with Function 30. Function 17 lasts 509 seconds.

*Denotes segment that occurs in more than one mission phase.

PHASE 2 ENROUTE (AA-PZ) **SEGMENT 04 Contour Flight**

PILOT			COPILOT		
DISCRETE (FIXED)	**DISCRETE (RANDOM)**	**CONTINUOUS**	**DISCRETE (FIXED)**	**DISCRETE (RANDOM)**	**CONTINUOUS**
	15 times during the segment, randomly select (.50) Function 25 or Function 26. Functions 25 and 26 last 7 seconds each and cannot occur concurrently with Function 03 or 18. 5 times during the segment, randomly select Function 03. Function 03 lasts 10.5 seconds and cannot occur concurrently with Functions 18, 25, or 26. 5 times during the segment, randomly select Function 18 Function 18 lasts 3.5 seconds and cannot occur concurrently with Function 03, 25, or 26.	Start Segment 04 with Function 01. Function 01 lasts 885 seconds. Interrupt Function 01 when Function 43 occurs. Start Function 17 concurrently with Function 01. Function 17 lasts 1097 seconds.	Start Function 47 60 seconds after Segment 04 starts. Function 47 lasts 62 seconds and cannot occur concurrently with Functions 03, 18, 25, 26, or 31.	Insert Function 25 each time the pilot performs Function 25 and Function 26 each time the pilot performs Function 26. 1 time during the segment, randomly select Function 03. Function 03 lasts 10.5 seconds and cannot occur concurrently with Functions 18, 25, or 26. 3 times during the segment, randomly select Function 18. Function 18 lasts 3.5 seconds and cannot occur concurrently with Functions 03, 25, or 26.	Start Segment 04 with Function 31. Function 31 lasts 773 seconds. Interrupt Function 31 when Functions 03, 04, 18, 25, 26, 43, or 47 occur. Start Function 17 concurrently with Function 31. Function 17 lasts 1097 seconds.
Continued...			Continued...		

PHASE 2 ENROUTE (AA-PZ) — **SEGMENT 04 Contour Flight [Continued]**

PILOT			COPILOT		
DISCRETE (FIXED)	**DISCRETE (RANDOM)**	**CONTINUOUS**	**DISCRETE (FIXED)**	**DISCRETE (RANDOM)**	**CONTINUOUS**
			Start Function 04 600 seconds after Segment 04 starts. Function 04 lasts 41.5 seconds. Interrupt Function 31 when Function 04 occurs. Function 04 cannot occur concurrently with Functions 03, 18, 25, or 26.		
Start Function 43 800 seconds after Segment 04 starts. Pilot Function 43 lasts 242 seconds. Program Pilot Function 43 to interrupt Function 01.			Start Function 43 800 seconds after Segment 04 starts. Function 43 lasts 297 seconds and cannot occur concurrently with Functions 03, 18, 25, 26, or 31.		

PHASE 2 ENROUTE (AA-PZ) **SEGMENT 05 Contour Flight [NVG]**

PILOT			COPILOT		
DISCRETE (FIXED)	**DISCRETE (RANDOM)**	**CONTINUOUS**	**DISCRETE (FIXED)**	**DISCRETE (RANDOM)**	**CONTINUOUS**
	15 times during the segment, randomly select (.50) Function 25 or Function 26. Functions 25 and 26 last 7 seconds each and cannot occur concurrently with Function 03 or 18. 5 times during the segment, randomly select Function 03. Function 03 lasts 10.5 seconds and cannot occur concurrently with Functions 18, 25, or 26. 5 times during the segment, randomly select Function 18 Function 18 lasts 3.5 seconds and cannot occur concurrently with Function 03, 25, or 26.	Start Segment 05 with Function 02. Function 02 lasts 900.5 seconds. Interrupt Function 02 when Function 44 occurs. Start Function 17 concurrently with Function 02. Function 17 lasts 1142 seconds.	Start Function 48 60 seconds after Segment 05 starts. Function 48 lasts 62 seconds and cannot occur concurrently with Functions 03, 18, 25, 26, or 32.	Insert Function 25 each time the pilot performs Function 25 and Function 26 each time the pilot performs Function 26. 1 time during the segment, randomly select Function 03. Function 03 lasts 10.5 seconds and cannot occur concurrently with Functions 18, 25, or 26. 3 times during the segment, randomly select Function 18. Function 18 lasts 3.5 seconds and cannot occur concurrently with Functions 03, 25, or 26.	Start Segment 05 with Function 32. Function 32 lasts 681.5 seconds. Interrupt Function 32 when Functions 03, 04, 18, 25, 26, 44, or 48 occur. Start Function 17 concurrently with Function 32. Function 17 lasts 1142 seconds.
Continued...			Continued...		

PHASE 2 ENROUTE (AA-PZ) **SEGMENT 05 Contour Flight [NVG] [Continued]**

PILOT			COPILOT		
DISCRETE (FIXED)	**DISCRETE (RANDOM)**	**CONTINUOUS**	**DISCRETE (FIXED)**	**DISCRETE (RANDOM)**	**CONTINUOUS**
			Start Function 04 600 seconds after Segment 05 starts. Function 04 lasts 41.5 seconds. Interrupt Function 32 when Function 04 occurs. Function 04 cannot occur concurrently with Functions 03, 18, 25, or 26.		
Start Function 44 800 seconds after Segment 05 starts. Pilot Function 44 lasts 242 seconds. Program Pilot Function 44 to interrupt Function 02.			Start Function 44 800 seconds after Segment 05 starts. Function 44 lasts 277.5 seconds and cannot occur concurrently with Functions 03, 18, 25, 26, or 32.		

UH-60 SEGMENT DECISION RULES

PHASE 2 ENROUTE (AA-PZ)

SEGMENT 06 Contour Flight (Threat)

PILOT			COPILOT		
DISCRETE (FIXED)	DISCRETE (RANDOM)	CONTINUOUS	DISCRETE (FIXED)	DISCRETE (RANDOM)	CONTINUOUS
	15 times during the segment, randomly select (.50) Function 25 or Function 26. Functions 25 and 26 last 7 seconds each and cannot occur concurrently with Functions 03 or 28. 5 times during the segment, randomly select Function 03. Function 03 lasts 10.5 seconds and cannot occur concurrently with Functions 18, 25, 26, or 28.	Start Segment 06 with Function 01. Function 01 lasts 900 seconds. Interrupt Function 01 when Functions 38 or 43 occur. Start Function 17 concurrently with Function 01. Function 17 lasts 1097 seconds.	Start Function 47 60 seconds after Segment 06 starts. Function 47 lasts 62 seconds and cannot occur concurrently with Functions 03, 18, or 31.	Insert Function 25 each time the pilot performs Function 25 and Function 26 each time the pilot performs Function 26. 1 time during the segment, randomly select Function 03. Function 03 lasts 10.5 seconds and cannot occur concurrently with Functions 18, 25, 26, or 38. 3 times during the segment, randomly select Function 18. Function 18 lasts 3.5 seconds and cannot occur concurrently with Functions 03, 25, 26, or 38.	Start Segment 06 with Function 31. Function 31 lasts 679.5 seconds. Interrupt Function 31 when Functions 03, 04, 18, 25, 26, 38, 43, or 47 occur. Start Function 17 concurrently with Function 31. Function 17 lasts 1097 seconds.
Continued...	Continued...		Continued...	Continued...	

PHASE 2 ENROUTE (AA-PZ) — **SEGMENT 06 Contour Flight (Threat) [Continued]**

PILOT			COPILOT		
DISCRETE (FIXED)	**DISCRETE (RANDOM)**	**CONTINUOUS**	**DISCRETE (FIXED)**	**DISCRETE (RANDOM)**	**CONTINUOUS**
	Between 300 and 700 seconds after Segment 06 starts, randomly select 1 time Function 38. Function 38 lasts 34 seconds and cannot occur concurrently with Functions 01 or 43. 5 times during the segment, randomly select Function 18 Function 18 lasts 3.5 seconds and cannot occur concurrently with Functions 03, 25, 26, or 28.		Start Function 04 600 seconds after Segment 06 starts. Function 04 lasts 41.5 seconds. Interrupt Function 31 when Function 04 occurs. Function 04 cannot occur concurrently with Functions 03, 18, 25, or 26. Interrupt Function 04 when Function 38 occurs.	1 time during the segment, randomly select Function 28. Function 28 lasts 12 seconds and cannot occur concurrently with Functions 03, 18, 25, or 26. Start Function 38 when Function 38 occurs for the pilot. Interrupt Functions 04 and 31 when Function 38 occurs. Function 38 lasts 35 seconds and cannot occur concurrently with Functions 03, 18, 25, or 26.	

Continued...

PHASE 2 ENROUTE (AA-PZ) **SEGMENT 06 Contour Flight (Threat) [Continued]**

PILOT			COPILOT		
DISCRETE (FIXED)	**DISCRETE (RANDOM)**	**CONTINUOUS**	**DISCRETE (FIXED)**	**DISCRETE (RANDOM)**	**CONTINUOUS**
Start Function 43 800 seconds after Segment 06 starts. Pilot Function 43 lasts 241.5 seconds. Program Pilot Function 43 to interrupt Function 01			Start Function 43 800 seconds after Segment 06 starts. Function 43 lasts 277.5 seconds and cannot occur concurrently with Functions 03, 18, or 31.		

UH-60 SEGMENT DECISION RULES

PHASE 2 ENROUTE (AA-PZ) **SEGMENT 07 Contour Flight (Threat) [NVG]**

PILOT			COPILOT		
DISCRETE (FIXED)	**DISCRETE (RANDOM)**	**CONTINUOUS**	**DISCRETE (FIXED)**	**DISCRETE (RANDOM)**	**CONTINUOUS**
	15 times during the segment, randomly select (.50) Function 25 or Function 26. Functions 25 and 26 last 7 seconds each and cannot occur concurrently with Functions 03 or 28. 5 times during the segment, randomly select Function 03. Function 03 lasts 10.5 seconds and cannot occur concurrently with Functions 18, 25, 26, or 28.	Start Segment 07 with Function 02. Function 02 lasts 900.5 seconds. Interrupt Function 02 when Functions 39 or 44 occur. Start Function 17 concurrently with Function 02. Function 17 lasts 1097 seconds.	Start Function 48 60 seconds after Segment 07 starts. Function 48 lasts 62 seconds and cannot occur concurrently with Functions 03, 18, or 32.	Insert Function 25 each time the pilot performs Function 25 and Function 26 each time the pilot performs Function 26. 1 time during the segment, randomly select Function 03. Function 03 lasts 10.5 seconds and cannot occur concurrently with Functions 18, 25, 26, or 39. 3 times during the segment, randomly select Function 18. Function 18 lasts 3.5 seconds and cannot occur concurrently with Functions 03, 25, 26, or 39.	Start Segment 07 with Function 32. Function 32 lasts 680.5 seconds. Interrupt Function 32 when Functions 03, 04, 18, 25, 26, 39, 44, or 48 occur. Start Function 17 concurrently with Function 32. Function 17 lasts 1097 seconds.
Continued...	Continued...		Continued...	Continued...	

PHASE 2 ENROUTE (AA-PZ)

SEGMENT 07 Contour Flight (Threat) [NVG] [Continued]

PILOT			COPILOT		
DISCRETE (FIXED)	DISCRETE (RANDOM)	CONTINUOUS	DISCRETE (FIXED)	DISCRETE (RANDOM)	CONTINUOUS
	Between 300 and 700 seconds after Segment 07 starts, randomly select 1 time Function 39. Function 39 lasts 44 seconds and cannot occur concurrently with Functions 02 or 44. 5 times during the segment, randomly select Function 18 Function 18 lasts 3.5 seconds and cannot occur concurrently with Functions 03, 25, 26, or 28.		Start Function 04 600 seconds after Segment 07 starts. Function 04 lasts 41.5 seconds. Interrupt Function 32 when Function 04 occurs. Function 04 cannot occur concurrently with Functions 03, 18, 25, or 26. Interrupt Function 04 when Function 39 occurs.	1 time during the segment, randomly select Function 28. Function 28 lasts 12 seconds and cannot occur concurrently with Functions 03, 18, 25, or 26. Start Function 39 when Function 39 occurs for the pilot. Interrupt Functions 04 and 32 when Function 39 occurs. Function 39 lasts 45 seconds and cannot occur concurrently with Functions 03, 18, 25, or 26.	
Continued...			Continued...		

PHASE 2 ENROUTE (AA-PZ) — **SEGMENT 07 Contour Flight (Threat) [NVG] [Continued]**

PILOT			COPILOT		
DISCRETE (FIXED)	**DISCRETE (RANDOM)**	**CONTINUOUS**	**DISCRETE (FIXED)**	**DISCRETE (RANDOM)**	**CONTINUOUS**
Start Function 44 800 seconds after Segment 07 starts. Function 44 lasts 241.5 seconds. Program Pilot Function 44 to interrupt Function 02.			Start Function 44 800 seconds after Segment 07 starts. Function 44 lasts 277.5 seconds and cannot occur concurrently with Functions 03, 18, or 32.		

PHASE 2 ENROUTE (AA-PZ) **SEGMENT 08 Contour Flight (Mission Change)**

PILOT			COPILOT		
DISCRETE (FIXED)	**DISCRETE (RANDOM)**	**CONTINUOUS**	**DISCRETE (FIXED)**	**DISCRETE (RANDOM)**	**CONTINUOUS**
Start Function 43 60 seconds after Segment 08 starts. Function 43 lasts 241.5 seconds. Program Pilot Function 43 to interrupt Function 01.	15 times during the segment, randomly select (.50) Function 25 or Function 26. Functions 25 and 26 last 7 seconds each and cannot occur concurrently with Functions 03 or 16. 5 times during the segment, randomly select Function 03. Function 03 lasts 10.5 seconds and cannot occur concurrently with Functions 16, 18, 25, or 26.	Start Segment 08 with Function 01. Function 01 lasts 900 seconds. Interrupt Function 01 when Function 43 occurs. Start Function 17 concurrently with Function 01. Function 17 lasts 1141.5 seconds.	Start Function 43 60 seconds after Segment 08 starts. Function 43 lasts 277.5 seconds and cannot occur concurrently with Functions 03, 18, or 31.	Insert Function 25 each time the pilot performs Function 25 and Function 26 each time the pilot performs Function 26. 1 time during the segment, randomly select Function 03. Function 03 lasts 10.5 seconds and cannot occur concurrently with Functions 16, 18, 25, or 26. 3 times during the segment, randomly select Function 18. Function 18 lasts 3.5 seconds and cannot occur concurrently with Functions 03, 16, 25, or 26.	Start Segment 08 with Function 31. Function 31 lasts 609.5 seconds. Interrupt Function 31 when Functions 03, 04, 16, 18, 25, 26, 43, or 45 occur. Start Function 17 concurrently with Function 31. Function 17 lasts 1141.5 seconds.
	Continued...	Continued...	Continued...	Continued...	

PHASE 2 ENROUTE (AA-PZ)

SEGMENT 08 Contour Flight (Mission Change) [Continued]

PILOT			COPILOT		
DISCRETE (FIXED)	DISCRETE (RANDOM)	CONTINUOUS	DISCRETE (FIXED)	DISCRETE (RANDOM)	CONTINUOUS
	5 times during the segment, randomly select Function 18 Function 18 lasts 3.5 seconds and cannot occur concurrently with Functions 03 or 16.		Start Function 04 600 seconds after Segment 08 starts. Function 04 lasts 41.5 seconds. Interrupt Function 31 when Function 04 occurs. Function 04 cannot occur concurrently with Functions 03, 18, 25, 26, or 31. Start Function 45 800 seconds after Segment 08 starts. Function 45 lasts 85 seconds and cannot occur concurrently with Functions 03, 18, or 31.	Between 360 and 600 seconds after Segment 08 starts, randomly select 1 time Function 16. Function 16 lasts 74.5 seconds and cannot occur concurrently with Functions 03, 18, 25, 26, or 31.	

PHASE 2 ENROUTE (AA-PZ)

SEGMENT 09 Contour Flight (Mission Change) [NVG]

PILOT			COPILOT		
DISCRETE (FIXED)	DISCRETE (RANDOM)	CONTINUOUS	DISCRETE (FIXED)	DISCRETE (RANDOM)	CONTINUOUS
Start Function 44 60 seconds after Segment 09 starts. Function 44 lasts 241.5 seconds. Program Pilot Function 44 to interrupt Function 02.	15 times during the segment, randomly select (.50) Function 25 or Function 26. Functions 25 and 26 last 7 seconds each and cannot occur concurrently with Functions 03 or 16. 5 times during the segment, randomly select Function 03. Function 03 lasts 10.5 seconds and cannot occur concurrently with Functions 16, 18, 25, or 26. Continued...	Start Segment 09 with Function 02. Function 02 lasts 900.5 seconds. Interrupt Function 02 when Function 44 occurs. Start Function 17 concurrently with Function 02. Function 17 lasts 1142 seconds.	Start Function 44 60 seconds after Segment 09 starts. Function 44 lasts 277.5 seconds and cannot occur concurrently with Functions 03, 18, or 32. Continued...	Insert Function 25 each time the pilot performs Function 25 and Function 26 each time the pilot performs Function 26. 1 time during the segment, randomly select Function 03. Function 03 lasts 10.5 seconds and cannot occur concurrently with Functions 16, 18, 25, or 26. 3 times during the segment, randomly select Function 18. Function 18 lasts 3.5 seconds and cannot occur concurrently with Functions 03, 16, 25, or 26. Continued...	Start Segment 09 with Function 32. Function 32 lasts 610 seconds. Interrupt Function 32 when Functions 03, 04, 16, 18, 25, 26, 44, or 45 occur. Start Function 17 concurrently with Function 32. Function 17 lasts 1142 seconds.

PHASE 2 ENROUTE (AA-PZ)

SEGMENT 09 Contour Flight (Mission Change) [NVG] [Continued]

PILOT			COPILOT		
DISCRETE (FIXED)	DISCRETE (RANDOM)	CONTINUOUS	DISCRETE (FIXED)	DISCRETE (RANDOM)	CONTINUOUS
	5 times during the segment, randomly select Function 18 Function 18 lasts 3.5 seconds and cannot occur concurrently with Functions 03 or 16.		Start Function 04 600 seconds after Segment 08 starts. Function 04 lasts 41.5 seconds. Interrupt Function 32 when Function 04 occurs. Function 04 cannot occur concurrently with Functions 03, 18, 25, 26, or 32. Start Function 45 800 seconds after Segment 09 starts. Function 45 lasts 85 seconds and cannot occur concurrently with Functions 03, 18, or 32.	Between 360 and 600 seconds after Segment 09 starts, randomly select 1 time Function 16. Function 16 lasts 74.5 seconds and cannot occur concurrently with Functions 03, 18, 25, 26, or 32.	

PHASE 2 ENROUTE (AA-PZ) ***SEGMENT 10 Approach**

PILOT			COPILOT		
DISCRETE (FIXED)	**DISCRETE (RANDOM)**	**CONTINUOUS**	**DISCRETE (FIXED)**	**DISCRETE (RANDOM)**	**CONTINUOUS**
Start Segment 10 with Function 05. Function 05 lasts 243 seconds.	Insert Function 25 each time the Copilot performs Function 25 and Function 26 each time the Copilot performs Function 26. 1 time during the segment, randomly select Function 03. Function 03 lasts 10.5 seconds and cannot occur concurrently with Functions 18, 25, or 26. 2 times during the segment, randomly select Function 18. Function 18 lasts 3.5 seconds and cannot occur concurrently with Functions 03, 25, or 26.	Start Function 17 concurrently with Function 05. Function 17 lasts 243 seconds.	Start Segment 10 with Function 27. Function 27 lasts 12 seconds. Start Function 20 when Function 27 ends. Function 20 lasts 20.5 seconds.	6 times during the segment, randomly select (.50) Function 25 or Function 26. Functions 25 and 26 last 7 seconds each and cannot occur concurrently with Functions 20 or 27. 1 time during the segment, randomly select Function 03. Function 03 lasts 10.5 seconds and cannot occur concurrently with Functions 18, 20, 25, 26, or 27. 2 times during the segment, randomly select Function 18. Function 18 lasts 3.5 seconds and cannot occur concurrently with Functions 03, 25, 26, or 27.	Start Function 17 concurrently with Function 27. Function 17 lasts 243 seconds.

*Denotes segment that occurs in more than one mission phase.

PHASE 2 ENROUTE (AA-PZ) — ***SEGMENT 11 Approach [NVG]**

PILOT			COPILOT		
DISCRETE (FIXED)	**DISCRETE (RANDOM)**	**CONTINUOUS**	**DISCRETE (FIXED)**	**DISCRETE (RANDOM)**	**CONTINUOUS**
Start Segment 11 with Function 06 Function 06 lasts 344 seconds.	Insert Function 25 each time the Copilot performs Function 25 and Function 26 each time the Copilot performs Function 26. 1 time during the segment, randomly select Function 03. Function 03 lasts 10.5 seconds and cannot occur concurrently with Functions 18, 25, or 26. 2 times during the segment, randomly select Function 18. Function 18 lasts 3.5 seconds and cannot occur concurrently with Functions 03, 25, or 26.	Start Function 17 concurrently with Function 06. Function 17 lasts 344 seconds.	Start Segment 11 with Function 27. Function 27 lasts 12 seconds. Start Function 20 when Function 27 ends. Function 20 lasts 20.5 seconds.	6 times during the segment, randomly select (.50) Function 25 or Function 26. Functions 25 and 26 last 7 seconds each and cannot occur concurrently with Functions 20 or 27. 1 time during the segment, randomly select Function 03. Function 03 lasts 10.5 seconds and cannot occur concurrently with Functions 18, 20, 25, 26. or 27. 2 times during the segment, randomly select Function 18. Function 18 lasts 3.5 seconds and cannot occur concurrently with Functions 03, 25, 26, or 27.	Start Function 17 concurrently with Function 27. Function 17 lasts 344 seconds.

*Denotes segment that occurs in more than one mission phase.

UH-60 SEGMENT DECISION RULES

PHASE 2 ENROUTE (AA-PZ) — ***SEGMENT 12 Landing**

PILOT			COPILOT		
DISCRETE (FIXED)	**DISCRETE (RANDOM)**	**CONTINUOUS**	**DISCRETE (FIXED)**	**DISCRETE (RANDOM)**	**CONTINUOUS**
Start Segment 12 with Function 29. Function 29 lasts 121.5 seconds. Start Function 11 when Function 29 ends. Function 11 lasts 13.5 seconds.	insert Function 25 each time the Copilot performs Function 25 and Function 26 each time the Copilot performs Function 26.	Start Function 17 concurrently with Function 29. Function 17 lasts 145.5 seconds.	Start Segment 12 with Function 27. Function 27 lasts 12 seconds. Start Function 29 concurrently with Function 27. Function 29 lasts 121.5 seconds. Start Function 11 when Function 29 ends. Function 11 lasts 13.5 seconds. Start Function 19 when Function 11 ends. Function 19 lasts 10.5 seconds.	3 times during the segment, randomly select (.50) Function 25 or Function 26. Functions 25 and 26 last 7 seconds each and cannot occur concurrently with Function 27.	Start Function 17 concurrently with Function 27. Function 17 lasts 145.5 seconds.

*Denotes segment that occurs in more than one mission phase.

UH-60 SEGMENT DECISION RULES

PHASE 2 ENROUTE (AA-PZ) — ***SEGMENT 13 Landing [NVG]**

PILOT			COPILOT		
DISCRETE (FIXED)	**DISCRETE (RANDOM)**	**CONTINUOUS**	**DISCRETE (FIXED)**	**DISCRETE (RANDOM)**	**CONTINUOUS**
Start Segment 13 with Function 30. Function 30 lasts 221.5 seconds. Start Function 12 when Function 30 ends. Function 12 lasts 44 seconds.	Insert Function 25 each time the Copilot performs Function 25 and Function 26 each time the Copilot performs Function 26.	Start Function 17 concurrently with Function 30. Function 17 lasts 276 seconds.	Start Segment 13 with Function 27. Function 27 lasts 12 seconds. Start Function 30 concurrently with Function 27. Function 30 lasts 221.5 seconds. Start Function 12 when Function 30 ends. Function 12 lasts 44 seconds. Start Function 19 when Function 12 ends. Function 19 lasts 10.5 seconds.	3 times during the segment, randomly select (.50) Function 25 or Function 26. Functions 25 and 26 last 7 seconds each and cannot occur concurrently with Function 27.	Start Function 17 concurrently with Function 27. Function 17 lasts 276 seconds.

*Denotes segment that occurs in more than one mission phase.

PHASE 3 DEPARTURE (PZ) — **SEGMENT 14 Before Takeoff (Internal Load)**

PILOT			COPILOT		
DISCRETE (FIXED)	**DISCRETE (RANDOM)**	**CONTINUOUS**	**DISCRETE (FIXED)**	**DISCRETE (RANDOM)**	**CONTINUOUS**
Start Function 23 when Function 27 ends. Function 23 lasts 17.5 seconds.	3 seconds after Segment 14 starts, 3 times randomly select (.50) Function 25 or Function 26. Functions 25 and 26 last 7 seconds each and cannot occur concurrently with Function 27. When selected, program Functions 25 and 26 to interrupt Functions 13 and 23.	Start Segment 14 with Function 17. Function 17 lasts 169.5 seconds.	Start Segment 14 with Function 46. Function 46 lasts 8.5 seconds. Start Function 13 when Function 46 ends. Function 13 lasts 96.5 seconds. Start Function 27 when Function 13 ends. Function 27 lasts 12 seconds. Start Function 23 when Function 27 ends. Function 23 lasts 17.5 seconds.	Insert Function 25 each time the Pilot performs Function 25 and Function 26 each time the Pilot performs Function 26.	Start Function 17 concurrently with Function 46. Function 17 lasts 169.5 seconds.

PHASE 3 DEPARTURE (PZ) — **SEGMENT 15 Before Takeoff (External Load)**

PILOT			COPILOT		
DISCRETE (FIXED)	**DISCRETE (RANDOM)**	**CONTINUOUS**	**DISCRETE (FIXED)**	**DISCRETE (RANDOM)**	**CONTINUOUS**
Start Function 14 when Function 13 ends. Function 14 lasts 243.5 seconds.	Insert Function 25 each time the Copilot performs Function 25 and Function 26 each time the Copilot performs Function 26.	Start Segment 15 with Function 17. Function 17 lasts 369.5 seconds.	Start Segment 15 with Function 46. Function 46 lasts 8.5 seconds. Start Function 13 when Function 46 ends. Function 13 lasts 96.5 seconds. Start Function 14 when Function 13 ends. Function 14 lasts 243 seconds. Start Function 27 when Copilot Function 14 ends. Function 27 lasts 12 seconds. Start Function 23 when Function 27 ends. Function 23 lasts 17.5 seconds.	3 seconds after Segment 15 starts, 3 times randomly select (.50) Function 25 or Function 26. Functions 25 and 26 last 7 seconds each and cannot occur concurrently with Function 14 or Function 27. When selected, program Functions 25 and 26 to interrupt Functions 13 and 23.	Start Function 17 concurrently with Function 46. Function 17 lasts 369.5 seconds.

PHASE 3 DEPARTURE (PZ) — **SEGMENT 16 Before Takeoff (External Load) [NVG]**

PILOT			COPILOT		
DISCRETE (FIXED)	**DISCRETE (RANDOM)**	**CONTINUOUS**	**DISCRETE (FIXED)**	**DISCRETE (RANDOM)**	**CONTINUOUS**
Start Function 15 when Function 13 ends. Function 15 lasts 344 seconds.	Insert Function 25 each time the Copilot performs Function 25 and Function 26 each time the Copilot performs Function 26.	Start Segment 16 with Function 17. Function 17 lasts 470 seconds.	Start Segment 16 with Function 46. Function 46 lasts 8.5 seconds. Start Function 13 when Function 46 ends. Function 13 lasts 96.5 seconds. Start Function 15 when Function 13 ends. Function 15 lasts 344 seconds. Start Function 27 when Copilot Function 15 ends. Function 27 lasts 12 seconds. Start Function 23 when Function 27 ends. Function 23 lasts 17.5 seconds.	3 seconds after Segment 16 starts, 5 times randomly select (.50) Function 25 or Function 26. Functions 25 and 26 last 7 seconds each and cannot occur concurrently with Function 15 or Function 27. When selected, program Functions 25 and 26 to interrupt Functions 13 and 23.	Start Function 17 concurrently with Function 46. Function 17 lasts 470 seconds.

PHASE 3 DEPARTURE (PZ) ***SEGMENT 02 Takeoff**

PILOT			COPILOT		
DISCRETE (FIXED)	**DISCRETE (RANDOM)**	**CONTINUOUS**	**DISCRETE (FIXED)**	**DISCRETE (RANDOM)**	**CONTINUOUS**
Start Segment 02 with Function 29. Function 29 lasts 120 seconds. Start Function 07 when Function 29 ends. Function 07 lasts 33.5 seconds. Start Function 09 when Function 07 ends. Function 09 lasts 134.5 seconds.	5 times during the segment, randomly select (.50) Function 25 or Function 26. Functions 25 and 26 last 7 seconds each and cannot occur concurrently with Function 03. 2 times during the segment, randomly select Function 03. Function 03 lasts 10.5 seconds and cannot occur concurrently with Functions 18, 25, or 26. 2 times during the segment, randomly select Function 18. Function 18 lasts 3.5 seconds and cannot occur concurrently with Function 03.	Start Function 17 concurrently with Function 29. Function 17 lasts 288 seconds.	Start Segment 02 with Function 29. Function 29 lasts 120 seconds.	Insert Function 25 each time the pilot performs Function 25 and Function 26 each time the pilot performs Function 26. 3 times during the segment, randomly select Function 03. Function 03 lasts 10.5 seconds and cannot occur concurrently with Functions 18, 25, or 26. 3 times during the segment, randomly select Function 18. Function 18 lasts 3.5 seconds and cannot occur concurrently with Function 03.	Start Function 17 concurrently with Function 29. Function 17 lasts 288 seconds.

*Denotes segment that occurs in more than one mission phase.

PHASE 3 DEPARTURE (PZ) — ***SEGMENT 03 Takeoff [NVG]**

PILOT			COPILOT		
DISCRETE (FIXED)	**DISCRETE (RANDOM)**	**CONTINUOUS**	**DISCRETE (FIXED)**	**DISCRETE (RANDOM)**	**CONTINUOUS**
Start Segment 03 with Function 30. Function 30 lasts 220 seconds. Start Function 08 when Function 30 ends. Function 08 lasts 94 seconds. Start Function 10 when Function 08 ends. Function 10 lasts 195 seconds.	5 times during the segment, randomly select (.50) Function 25 or Function 26. Functions 25 and 26 last 7 seconds each and cannot occur concurrently with Function 03. 1 time during the segment, randomly select (.50) Function 03. Function 03 lasts 10.5 seconds and cannot occur concurrently with Functions 18, 25, or 26. 1 time during the segment, randomly select Function 18. Function 18 lasts 3.5 seconds and cannot occur concurrently with Function 03.	Start Function 17 concurrently with Function 30. Function 17 lasts 509 seconds.	Start Segment 03 with Function 30. Function 30 lasts 220 seconds.	Insert Function 25 each time the pilot performs Function 25 and Function 26 each time the pilot performs Function 26. 3 times during the segment, randomly select Function 03. Function 03 lasts 10.5 seconds and cannot occur concurrently with Functions 18, 25, or 26. 3 times during the segment, randomly select Function 18. Function 18 lasts 3.5 seconds and cannot occur concurrently with Function 03.	Start Function 17 concurrently with Function 30. Function 17 lasts 509 seconds.

*Denotes segment that occurs in more than one mission phase.

PHASE 3 DEPARTURE (PZ) **SEGMENT 17 Takeoff (External)**

PILOT			COPILOT		
DISCRETE (FIXED)	**DISCRETE (RANDOM)**	**CONTINUOUS**	**DISCRETE (FIXED)**	**DISCRETE (RANDOM)**	**CONTINUOUS**
Start Segment 17 with Function 07. Function 07 lasts 33.5 seconds. Start Function 09 when Function 07 ends. Function 09 lasts 134.5 seconds.	3 times during the segment, randomly select (.50) Function 25 or Function 26. Functions 25 and 26 last 7 seconds each. 3 times during the segment, randomly select Function 03. Function 03 lasts 10.5 seconds and cannot occur concurrently with Functions 18, 25, or 26. 3 times during the segment, randomly select Function 18. Function 18 lasts 3.5 seconds and cannot occur concurrently with Functions 03, 25, or 26.	Start Function 17 concurrently with Function 07. Function 17 lasts 168 seconds.	Start Function 09 when Function 07 ends. Function 09 lasts 11 seconds.	Insert Function 25 each time the pilot performs Function 25 and Function 26 each time the pilot performs Function 26. 3 times during the segment, randomly select Function 03. Function 03 lasts 10.5 seconds and cannot occur concurrently with Functions 18, 25, or 26. 3 times during the segment, randomly select Function 18. Function 18 lasts 3.5 seconds and cannot occur concurrently with Functions 03, 25, or 26.	Start Segment 17 with Function 17. Function Function 17 lasts 168 seconds.

PHASE 3 DEPARTURE (PZ) **SEGMENT 18 Takeoff (External) [NVG]**

PILOT			COPILOT		
DISCRETE (FIXED)	**DISCRETE (RANDOM)**	**CONTINUOUS**	**DISCRETE (FIXED)**	**DISCRETE (RANDOM)**	**CONTINUOUS**
Start Segment 18 with Function 08. Function 08 lasts 94 seconds. Start Function 10 when Function 08 ends. Function 10 lasts 195 seconds.	3 times during the segment, randomly select (.50) Function 25 or Function 26. Functions 25 and 26 last 7 seconds each. 3 times during the segment, randomly select Function 03. Function 03 lasts 10.5 seconds and cannot occur concurrently with Functions 18, 25, or 26. 3 times during the segment, randomly select Function 18. Function 18 lasts 3.5 seconds and cannot occur concurrently with Functions 03, 25, or 26.	Start Function 17 concurrently with Function 06. Function 17 lasts 289 seconds.	Start Function 10 when Function 08 ends. Function 10 lasts 11 seconds.	Insert Function 25 each time the pilot performs Function 25 and Function 26 each time the pilot performs Function 26. 3 times during the segment, randomly select Function 03. Function 03 lasts 10.5 seconds and cannot occur concurrently with Functions 18, 25, or 26. 3 times during the segment, randomly select Function 18. Function 18 lasts 3.5 seconds and cannot occur concurrently with Functions 03, 25, or 26.	Start Segment 18 with Function 17. Function Function 17 lasts 289 seconds.

PHASE 4 ENROUTE (PZ-LZ) — ***SEGMENT 19 NOE Flight**

PILOT			COPILOT		
DISCRETE (FIXED)	**DISCRETE (RANDOM)**	**CONTINUOUS**	**DISCRETE (FIXED)**	**DISCRETE (RANDOM)**	**CONTINUOUS**
	15 times during the segment, randomly select (.50) Function 25 or Function 26. Functions 25 and 26 last 7 seconds each. 5 times during the segment, randomly select Function 03. Function 03 lasts 10.5 seconds and cannot occur concurrently with Functions 18, 25, or 26. 5 times during the segment, randomly select Function 18. Function 18 lasts 3.5 seconds and cannot occur concurrently with Functions 03, 25, or 26.	Start Segment 19 with Function 01. Function 01 lasts 900 seconds. Start Function 17 concurrently with Function 01. Function 17 lasts 900 seconds.	Start Function 04 600 seconds after Segment 19 starts. Function 04 lasts 41.5 seconds. Interrupt Function 31 when Function 04 occurs. Function 04 cannot occur concurrently with Functions 03, 18, 25, or 26.	Insert Function 25 each time the pilot performs Function 25 and Function 26 each time the pilot performs Function 26. 1 time during the segment, randomly select Function 03. Function 03 lasts 10.5 seconds and cannot occur concurrently with Functions 18, 25, or 26. 3 times during the segment, randomly select Function 18. Function 18 lasts 3.5 seconds and cannot occur concurrently with Functions 03, 25, or 26.	Start Segment 19 with Function 31. Function 31 lasts 727 seconds. Interrupt Function 31 when Functions 03, 04, 18, 25, or 26 occur. Start Function 17 concurrently with Function 31. Function 17 lasts 900 seconds.

*Denotes segment that occurs in more than one mission phase.

PHASE 4 ENROUTE (PZ-LZ) ***SEGMENT 20 NOE Flight [NVG]**

PILOT			COPILOT		
DISCRETE (FIXED)	**DISCRETE (RANDOM)**	**CONTINUOUS**	**DISCRETE (FIXED)**	**DISCRETE (RANDOM)**	**CONTINUOUS**
	15 times during the segment, randomly select (.50) Function 25 or Function 26. Functions 25 and 26 last 7 seconds each. 5 times during the segment, randomly select Function 03. Function 03 lasts 10.5 seconds and cannot occur concurrently with Functions 18, 25, or 26. 5 times during the segment, randomly select Function 18. Function 18 lasts 3.5 seconds and cannot occur concurrently with Functions 03, 25, or 26.	Start Segment 20 with Function 02. Function 02 lasts 900.5 seconds. Start Function 17 concurrently with Function 02. Function 17 lasts 900.5 seconds.	Start Function 04 600 seconds after Segment 20 starts. Function 04 lasts 41.5 seconds. Interrupt Function 32 when Function 04 occurs. Function 04 cannot occur concurrently with Functions 03, 18, 25, or 26.	Insert Function 25 each time the pilot performs Function 25 and Function 26 each time the pilot performs Function 26. 1 time during the segment, randomly select Function 03. Function 03 lasts 10.5 seconds and cannot occur concurrently with Functions 18, 25, or 26. 3 times during the segment, randomly select Function 18. Function 18 lasts 3.5 seconds and cannot occur concurrently with Functions 03, 25, or 26.	Start Segment 20 with Function 32. Function 32 lasts 727.5 seconds. Interrupt Function 32 when Functions 03, 04, 18, 25, or 26 occur. Start Function 17 concurrently with Function 32. Function 17 lasts 900.5 seconds.

*Denotes segment that occurs in more than one mission phase.

PHASE 4 ENROUTE (PZ-LZ)

*SEGMENT 21 NOE Flight (Threat)

PILOT			COPILOT		
DISCRETE (FIXED)	DISCRETE (RANDOM)	CONTINUOUS	DISCRETE (FIXED)	DISCRETE (RANDOM)	CONTINUOUS
	15 times during the segment, randomly select (.50) Function 25 or Function 26. Functions 25 and 26 last 7 seconds each and cannot occur concurrently with Function 28. 5 times during the segment, randomly select Function 03. Function 03 lasts 10.5 seconds and cannot occur concurrently with Functions 18, 25, or 26. 5 times during the segment, randomly select Function 18. Function 18 lasts 3.5 seconds and cannot occur concurrently with Functions 03, 25, or 26. Continued...	Start Segment 21 with Function 01. Function 01 lasts 900 seconds. Interrupt Function 01 when Function 38 occurs. Start Function 17 concurrently with Function 01. Function 17 lasts 934 seconds.		Insert Function 25 each time the pilot performs Function 25 and Function 26 each time the pilot performs Function 26. 1 time during the segment, randomly select Function 03. Function 03 lasts 10.5 seconds and cannot occur concurrently with Functions 18, 25, 26, 28, or 38. 3 times during the segment, randomly select Function 18. Function 18 lasts 3.5 seconds and cannot occur concurrently with Functions 03 or 38. Continued...	Start Segment 21 with Function 31. Function 31 lasts 694.5 seconds. Interrupt Function 31 when Functions 03, 04, 18, 25, 26, 28, or 38 occur. Start Function 17 concurrently with Function 31. Function 17 lasts 934 seconds.

*Denotes segment that occurs in more than one mission phase.

PHASE 4 ENROUTE (PZ-LZ) — ***SEGMENT 21 NOE Flight (Threat) [Continued]**

PILOT			COPILOT		
DISCRETE (FIXED)	**DISCRETE (RANDOM)**	**CONTINUOUS**	**DISCRETE (FIXED)**	**DISCRETE (RANDOM)**	**CONTINUOUS**
	1 time during the segment, randomly select Function 38. Function 38 lasts 34 seconds and cannot occur concurrently with Function 01.		Start Function 28 when Function 38 ends. Function 28 lasts 30 seconds and cannot occur concurrently with Functions 03, 18, 25, 26, 28, or 31. Start Function 04 600 seconds after Segment 21 starts. Function 04 lasts 41.5 seconds. Interrupt Function 31 when Function 04 occurs. Function 04 cannot occur concurrently with Functions 03, 18, 25, or 26. Interrupt Function 04 when Function 38 occurs.	Start Function 38 when Function 38 occurs for the Pilot. Interrupt Functions or and 31 when Function 38 occurs. Function 38 lasts 33.5 seconds and cannot occur concurrently with Functions 03, 18, 25, or 26.	

*Denotes segment that occurs in more than one mission phase.

PHASE 4 ENROUTE (PZ-LZ) ***SEGMENT 22 NOE Flight (Threat) [NVG]**

PILOT			COPILOT		
DISCRETE (FIXED)	**DISCRETE (RANDOM)**	**CONTINUOUS**	**DISCRETE (FIXED)**	**DISCRETE (RANDOM)**	**CONTINUOUS**
	15 times during the segment, randomly select (.50) Function 25 or Function 26. Functions 25 and 26 last 7 seconds each. 5 times during the segment, randomly select Function 03. Function 03 lasts 10.5 seconds and cannot occur concurrently with Functions 18, 25, or 26. 5 times during the segment, randomly select Function 18. Function 18 lasts 3.5 seconds and cannot occur concurrently with Functions 03, 25, or 26. Continued...	Start Segment 22 with Function 02. Function 02 lasts 900 seconds. Interrupt Function 02 when Function 39 occurs. Start Function 17 concurrently with Function 02. Function 17 lasts 934 seconds.	Start Function 28 when Function 39 ends. Function 28 lasts 30 seconds. Function 28 cannot occur concurrently with Functions 03, 18, 25, 26, 28, or 32. Continued...	Insert Function 25 each time the pilot performs Function 25 and Function 26 each time the pilot performs Function 26. 1 time during the segment, randomly select Function 03. Function 03 lasts 10.5 seconds and cannot occur concurrently with Functions 18, 25, 26, or 39. 3 times during the segment, randomly select Function 18. Function 18 lasts 3.5 seconds and cannot occur concurrently with Functions 03, or 39. Continued...	Start Segment 22 with Function 32. Function 32 lasts 780 seconds. Interrupt Function 32 when Functions 03, 04, 18, 25, 26, 28, or 39 occur. Start Function 17 concurrently with Function 32. Function 17 lasts 934 seconds.

*Denotes segment that occurs in more than one mission phase.

PHASE 4 ENROUTE (PZ-LZ) ***SEGMENT 22 NOE Flight (Threat) [NVG] [Continued]**

PILOT			COPILOT		
DISCRETE (FIXED)	**DISCRETE (RANDOM)**	**CONTINUOUS**	**DISCRETE (FIXED)**	**DISCRETE (RANDOM)**	**CONTINUOUS**
	1 time during the segment, randomly select Function 39. Function 39 lasts 44 seconds and cannot occur concurrently with Function 02.		Start Function 04 600 seconds after Segment 22 starts. Function 04 lasts 41.5 seconds. Interrupt Function 32 when Function 04 occurs. Function 04 cannot occur concurrently with Functions 03, 18, 25, or 26. Interrupt Function 04 when Function 39 occurs.	Start Function 39 when Function 39 occurs for the pilot. Interrupt Functions 04 and 32 when Function 39 occurs. Function 39 lasts 43.5 seconds and cannot occur concurrently with Functions 03, 18, 25, or 26.	

*Denotes segment that occurs in more than one mission phase.

PHASE 4 ENROUTE (PZ-LZ) ***SEGMENT 23 NOE Flight (Mission Change)**

PILOT			COPILOT		
DISCRETE (FIXED)	**DISCRETE (RANDOM)**	**CONTINUOUS**	**DISCRETE (FIXED)**	**DISCRETE (RANDOM)**	**CONTINUOUS**
	Insert Function 25 each time the Copilot performs Function 25 and Function 26 each time the Copilot performs Function 26. 5 times during the segment, randomly select Function 03. Function 03 lasts 10.5 seconds and cannot occur concurrently with Functions 18, 25, or 26. 5 times during the segment, randomly select Function 18. Function 18 lasts 3.5 seconds and cannot occur concurrently with Functions 03, 25, or 26.	Start Segment 23 with Function 01. Function 01 lasts 900 seconds. Start Function 17 concurrently with Function 01. Function 17 lasts 900 seconds.		15 times during the segment, randomly select (.50) Function 25 or Function 26. Functions 25 and 26 last 7 seconds each. 1 time during the segment, randomly select Function 03. Function 03 lasts 10.5 seconds and cannot occur concurrently with Functions 16, 18, 25, or 26. 3 times during the segment, randomly select Function 18. Function 18 lasts 3.5 seconds and cannot occur concurrently with Functions 03 or 17.	Start Segment 23 with Function 31. Function 31 lasts 673 seconds. Interrupt Function 31 when Functions 03, 04, 16, 18, 25, 26, or 45 occur. Start Function 17 concurrently with Function 31. Function 17 lasts 900 seconds.
			Continued...	Continued...	

*Denotes segment that occurs in more than one mission phase.

PHASE 4 ENROUTE (PZ-LZ)

*SEGMENT 23 NOE Flight (Mission Change) [Continued]

PILOT			COPILOT		
DISCRETE (FIXED)	DISCRETE (RANDOM)	CONTINUOUS	DISCRETE (FIXED)	DISCRETE (RANDOM)	CONTINUOUS
			Start Function 04 600 seconds after Segment 23 starts. Function 04 lasts 41.5 seconds. Interrupt Function 31 when Function 04 occurs. Function 04 cannot occur concurrently with Functions 03, 18, 25, or 26. Interrupt Function 04 when Function 16 occurs. Start Function 45 when Function 16 ends. Function 45 lasts 85 seconds and cannot occur concurrently with Function 03, 18, 25, or 26.	1 time during the first 700 seconds of Segment 23, randomly select Function 16. Function 16 lasts 74.5 seconds and cannot occur concurrently with Functions 03, 18, 25, 26, or 31.	

*Denotes segment that occurs in more than one mission phase.

PHASE 4 ENROUTE (PZ-LZ)

*SEGMENT 24 NOE Flight (Mission Change) [NVG]

PILOT			COPILOT		
DISCRETE (FIXED)	DISCRETE (RANDOM)	CONTINUOUS	DISCRETE (FIXED)	DISCRETE (RANDOM)	CONTINUOUS
	Insert Function 25 each time the Copilot performs Function 25 and Function 26 each time the Copilot performs Function 26. 5 times during the segment, randomly select Function 03. Function 03 lasts 10.5 seconds and cannot occur concurrently with Functions 18, 25, or 26. 5 times during the segment, randomly select Function 18. Function 18 lasts 3.5 seconds and cannot occur concurrently with Functions 03, 25 or 26.	Start Segment 24 with Function 02. Function 02 lasts 900.5 seconds. Start Function 17 concurrently with Function 02. Function 17 lasts 900 seconds.	Start Function 04 600 seconds after Segment 24 starts. Function 04 lasts 41.5 seconds. Interrupt Function 31 when Function 04 occurs. Function 04 cannot occur concurrently with Functions 03, 18, 25, or 26. Interrupt Function 04 when Function 16 occurs. Continued...	15 times during the segment, randomly select (.50) Function 25 or Function 26. Functions 25 and 26 last 7 seconds each. 1 time during the segment, randomly select Function 03. Function 03 lasts 10.5 seconds and cannot occur concurrently with Functions 16, 18, 25, or 26. 3 times during the segment, randomly select Function 18. Function 18 lasts 3.5 seconds and cannot occur concurrently with Functions 03 or 16. Continued...	Start Segment 24 with Function 32. Function 32 lasts 673.5 seconds. Interrupt Function 32 when Functions 03, 04, 16, 18, 25, 26, or 45 occur. Start Function 17 concurrently with Function 32. Function 17 lasts 900 seconds.

*Denotes segment that occurs in more than one mission phase.

PHASE 4 ENROUTE (PZ-LZ)

*SEGMENT 24 NOE Flight (Mission Change) [NVG] [Continued]

PILOT			COPILOT		
DISCRETE (FIXED)	DISCRETE (RANDOM)	CONTINUOUS	DISCRETE (FIXED)	DISCRETE (RANDOM)	CONTINUOUS
				1 time during the first 700 seconds of Segment 24, randomly select Function 16. Function 16 lasts 73 seconds and cannot occur concurrently with Functions 03, 18, 25, 26, or 32.	
			Start Function 45 when Function 16 ends. Function 45 lasts 85 seconds and cannot occur concurrently with Function 03, 18, 25, or 26.		

*Denotes segment that occurs in more than one mission phase.

PHASE 4 ENROUTE (PZ-LZ) **SEGMENT 25 Approach (LZ)**

PILOT			COPILOT		
DISCRETE (FIXED)	**DISCRETE (RANDOM)**	**CONTINUOUS**	**DISCRETE (FIXED)**	**DISCRETE (RANDOM)**	**CONTINUOUS**
Start Segment 25 with Function 05. Function 05 lasts 243.5 seconds.	Insert Function 25 each time the Copilot performs Function 25 and Function 26 each time the Copilot performs Function 26. 1 time during the segment, randomly select Function 03. Function 03 lasts 10.5 seconds and cannot occur concurrently with Functions 18, 25, or 26. 2 times during the segment, randomly select Function 18. Function 18 lasts 3.5 seconds and cannot occur concurrently with Functions 03, 25, or 26.	Start Function 17 concurrently with Function 05. Function 17 lasts 243.5 seconds.	Start Segment 25 with Function 21. Function 21 lasts 25.5 seconds.	6 times during the segment, randomly select (.50) Function 25 or Function 26. Functions 25 and 26 last 7 seconds each and cannot occur concurrently with Function 21. 1 time during the segment, randomly select Function 03. Function 03 lasts 10.5 seconds and cannot occur concurrently with Functions 18, 21, 25, or 26. 2 times during the segment, randomly select Function 18. Function 18 lasts 3.5 seconds and cannot occur concurrently with Functions 03, 25, or 26.	Start Function 17 concurrently with Function 21. Function 17 lasts 243.5 seconds.

PHASE 4 ENROUTE (PZ-LZ)

SEGMENT 26 Approach (LZ) [NVG]

PILOT			COPILOT		
DISCRETE (FIXED)	DISCRETE (RANDOM)	CONTINUOUS	DISCRETE (FIXED)	DISCRETE (RANDOM)	CONTINUOUS
Start Segment 26 with Function 06. Function 06 lasts 344 seconds.	Insert Function 25 each time the Copilot performs Function 25 and Function 26 each time the Copilot performs Function 26. 1 time during the segment, randomly select Function 03. Function 03 lasts 10.5 seconds and cannot occur concurrently with Functions 18, 25, or 26. 2 times during the segment, randomly select Function 18. Function 18 lasts 3.5 seconds and cannot occur concurrently with Functions 03, 25, or 26.	Start Function 17 concurrently with Function 06. Function 17 lasts 344 seconds.	Start Segment 25 with Function 21. Function 21 lasts 25.5 seconds.	6 times during the segment, randomly select (.50) Function 25 or Function 26. Functions 25 and 26 last 7 seconds each and cannot occur concurrently with Function 21. 1 time during the segment, randomly select Function 03. Function 03 lasts 10.5 seconds and cannot occur concurrently with Functions 18, 21, 25, or 26. 2 times during the segment, randomly select Function 18. Function 18 lasts 3.5 seconds and cannot occur concurrently with Functions 03, 25, or 26.	Start Function 17 concurrently with Function 21. Function 17 lasts 344 seconds.

PHASE 4 ENROUTE (PZ-LZ) **SEGMENT 27 Landing (LZ, Internal Load)**

PILOT			COPILOT		
DISCRETE (FIXED)	**DISCRETE (RANDOM)**	**CONTINUOUS**	**DISCRETE (FIXED)**	**DISCRETE (RANDOM)**	**CONTINUOUS**
Start Segment 27 with Function 29 Function 29 lasts 120 seconds. Start Function 11 when Function 29 ends. Function 11 lasts 13.5 seconds.	Insert Function 25 each time the Copilot performs Function 25 and Function 26 each time the Copilot performs Function 26.	Start Function 17 concurrently with Function 29. Function 17 lasts 155 seconds.	Start Segment 27 with Function 29. Function 29 lasts 120 seconds. Start Function 11 when Function 29 ends. Function 11 lasts 13.5 seconds. Start Function 40 Function 11 ends. Function 40 lasts 21.5 seconds.	3 times during the segment, randomly select (.50) Function 25 or Function 26. Functions 25 and 26 last 7 seconds each and cannot occur concurrently.	Start Function 17 concurrently with Function 29. Function 17 lasts 155 seconds.

PHASE 4 ENROUTE (PZ-LZ)

SEGMENT 28 Landing (LZ, Internal Load) [NVG]

PILOT			COPILOT		
DISCRETE (FIXED)	DISCRETE (RANDOM)	CONTINUOUS	DISCRETE (FIXED)	DISCRETE (RANDOM)	CONTINUOUS
Start Segment 28 with Function 30. Function 30 lasts 220 seconds. Start Function 12 when Function 30 ends. Function 12 lasts 44 seconds.	Insert Function 25 each time the Copilot performs Function 25 and Function 26 each time the Copilot performs Function 26.	Start Function 17 concurrently with Function 30. Function 17 lasts 285.5 seconds.	Start Segment 28 with Function 30. Function 30 lasts 220 seconds. Start Function 12 when Function 30 ends. Function 12 lasts 44 seconds. Start Function 40 when Function 12 ends. Function 40 lasts 21.5 seconds.	3 times during the segment, randomly select (.50) Function 25 or Function 26. Functions 25 and 26 last 7 seconds each and cannot occur concurrently.	Start Function 17 concurrently with Function 30. Function 17 lasts 285.5 seconds.

PHASE 4 ENROUTE (PZ-LZ) **SEGMENT 29 Landing (LZ, External Load)**

PILOT			COPILOT		
DISCRETE (FIXED)	**DISCRETE (RANDOM)**	**CONTINUOUS**	**DISCRETE (FIXED)**	**DISCRETE (RANDOM)**	**CONTINUOUS**
Start Segment 29 with Function 29. Function 29 lasts 120 seconds. Start Function 41 when Function 29 ends. Function 41 lasts 6.5 seconds. Start Function 11 when Function 41 ends. Function 11 lasts 13.5 seconds.	Insert Function 25 each time the Copilot performs Function 25 and Function 26 each time the Copilot performs Function 26.	Start Function 17 concurrently with Function 29. Function 17 lasts 161.5 seconds.	Start Segment 29 with Function 29. Function 29 lasts 120 seconds. Start Function 11 when Function 41 ends. Function 11 lasts 13.5 seconds. Start Function 40 when Function 11 ends. Function 40 lasts 21.5 seconds.	4 times during the segment, randomly select (.50) Function 25 or Function 26. Functions 25 and 26 last 7 seconds each and cannot occur concurrently.	Start Function 17 concurrently with Function 29. Function 17 lasts 161.5 seconds.

PHASE 4 ENROUTE (PZ-LZ)

SEGMENT 30 Landing (LZ, External Load) [NVG]

PILOT			COPILOT		
DISCRETE (FIXED)	**DISCRETE (RANDOM)**	**CONTINUOUS**	**DISCRETE (FIXED)**	**DISCRETE (RANDOM)**	**CONTINUOUS**
Start Segment 30 with Function 30. Function 30 lasts 220 seconds. Start Function 42 when Function 30 ends. Function 42 lasts 8.5 seconds. Start Function 12 when Function 42 ends. Function 12 lasts 44 seconds.	Insert Function 25 each time the Copilot performs Function 25 and Function 26 each time the Copilot performs Function 26.	Start Function 17 concurrently with Function 30. Function 17 lasts 294 seconds.	Start Segment 30 with Function 30. Function 30 lasts 220 seconds. Start Function 12 when Function 42 ends. Function 12 lasts 44 seconds. Start Function 40 when Function 12 ends. Function 40 lasts 21.5 seconds.	4 times during the segment, randomly select (.50) Function 25 or Function 26. Functions 25 and 26 last 7 seconds each and cannot occur concurrently.	Start Segment 30 with Function 17. Function 17 lasts 294 seconds.

PHASE 5 DEPARTURE (LZ) — **SEGMENT 31 Before Takeoff (LZ)**

PILOT			COPILOT		
DISCRETE (FIXED)	**DISCRETE (RANDOM)**	**CONTINUOUS**	**DISCRETE (FIXED)**	**DISCRETE (RANDOM)**	**CONTINUOUS**
	1 time during the segment, randomly select (.50) Function 25 or Function 26. Functions 25 and 26 last 7 seconds each and cannot occur concurrently. Interrupt Function 23 when Functions 25 or 26 occur.	Start Function 17 concurrently with Function 23. Function 17 lasts 33 seconds.	Start Function 46 concurrently with Function 17. Function 46 lasts 8.5 seconds. Start Function 23 when Function 46 ends. Function 23 lasts 17.5 seconds.	Insert Function 25 each time the Pilot performs Function 25 and Function 26 each time the Pilot performs Function 26.	Start Segment 31 with Function 17. Function 17 lasts 33 seconds.

PHASE 5 DEPARTURE (LZ) ***SEGMENT 02 Takeoff**

PILOT			COPILOT		
DISCRETE (FIXED)	**DISCRETE (RANDOM)**	**CONTINUOUS**	**DISCRETE (FIXED)**	**DISCRETE (RANDOM)**	**CONTINUOUS**
Start Segment 02 with Function 29. Function 29 lasts 120 seconds. Start Function 07 when Function 29 ends. Function 07 lasts 33.5 seconds. Start Function 09 when Function 07 ends. Function 09 lasts 134.5 seconds.	5 times during the segment, randomly select (.50) Function 25 or Function 26. Functions 25 and 26 last 7 seconds each and cannot occur concurrently with Function 03. 2 times during the segment, randomly select Function 03. Function 03 lasts 10.5 seconds and cannot occur concurrently with Functions 18, 25, or 26. 2 times during the segment, randomly select Function 18. Function 18 lasts 3.5 seconds and cannot occur concurrently with Function 03.	Start Function 17 concurrently with Function 29. Function 17 lasts 288 seconds.	Start Segment 02 with Function 29. Function 29 lasts 120 seconds.	Insert Function 25 each time the pilot performs Function 25 and Function 26 each time the pilot performs Function 26. 3 times during the segment, randomly select Function 03. Function 03 lasts 10.5 seconds and cannot occur concurrently with Functions 18, 25, or 26. 3 times during the segment, randomly select Function 18. Function 18 lasts 3.5 seconds and cannot occur concurrently with Function 03.	Start Function 17 concurrently with Function 29. Function 17 lasts 288 seconds.

*Denotes segment that occurs in more than one mission phase.

PHASE 5 DEPARTURE (LZ) ***SEGMENT 03 Takeoff [NVG]**

PILOT			COPILOT		
DISCRETE (FIXED)	**DISCRETE (RANDOM)**	**CONTINUOUS**	**DISCRETE (FIXED)**	**DISCRETE (RANDOM)**	**CONTINUOUS**
Start Segment 03 with Function 30. Function 30 lasts 220 seconds. Start Function 08 when Function 30 ends. Function 08 lasts 94 seconds. Start Function 10 when Function 08 ends. Function 10 lasts 195 seconds.	5 times during the segment, randomly select (.50) Function 25 or Function 26. Functions 25 and 26 last 7 seconds each and cannot occur concurrently with Function 03. 1 time during the segment, randomly select (.50) Function 03. Function 03 lasts 10.5 seconds and cannot occur concurrently with Functions 18, 25, or 26. 1 time during the segment, randomly select Function 18. Function 18 lasts 3.5 seconds and cannot occur concurrently with Function 03.	Start Function 17 concurrently with Function 30. Function 17 lasts 509 seconds.	Start Segment 03 with Function 30. Function 30 lasts 220 seconds.	Insert Function 25 each time the pilot performs Function 25 and Function 26 each time the pilot performs Function 26. 3 times during the segment, randomly select Function 03. Function 03 lasts 10.5 seconds and cannot occur concurrently with Functions 18, 25, or 26. 3 times during the segment, randomly select Function 18. Function 18 lasts 3.5 seconds and cannot occur concurrently with Function 03.	Start Function 17 concurrently with Function 30. Function 17 lasts 509 seconds.

*Denotes segment that occurs in more than one mission phase.

PHASE 6 ENROUTE (LZ-PZ) or (LZ-FARP) ***SEGMENT 19 NOE Flight**

PILOT			COPILOT		
DISCRETE (FIXED)	**DISCRETE (RANDOM)**	**CONTINUOUS**	**DISCRETE (FIXED)**	**DISCRETE (RANDOM)**	**CONTINUOUS**
	15 times during the segment, randomly select (.50) Function 25 or Function 26. Functions 25 and 26 last 7 seconds each. 5 times during the segment, randomly select Function 03. Function 03 lasts 10.5 seconds and cannot occur concurrently with Functions 18, 25, or 26. 5 times during the segment, randomly select Function 18. Function 18 lasts 3.5 seconds and cannot occur concurrently with Functions 03, 25, or 26.	Start Segment 19 with Function 01. Function 01 lasts 900 seconds. Start Function 17 concurrently with Function 01. Function 17 lasts 900 seconds.	Start Function 04 600 seconds after Segment 19 starts. Function 04 lasts 41.5 seconds. Interrupt Function 31 when Function 04 occurs. Function 04 cannot occur concurrently with Functions 03, 18, 25, or 26.	Insert Function 25 each time the pilot performs Function 25 and Function 26 each time the pilot performs Function 26. 1 time during the segment, randomly select Function 03. Function 03 lasts 10.5 seconds and cannot occur concurrently with Functions 18, 25, or 26. 3 times during the segment, randomly select Function 18. Function 18 lasts 3.5 seconds and cannot occur concurrently with Functions 03, 25, or 26.	Start Segment 19 with Function 31. Function 31 lasts 727 seconds. Interrupt Function 31 when Functions 03, 04, 18, 25, or 26 occur. Start Function 17 concurrently with Function 31. Function 17 lasts 900 seconds.

*Denotes segment that occurs in more than one mission phase.

PHASE 6 ENROUTE (LZ-PZ) or (LZ-FARP) ***SEGMENT 20 NOE Flight [NVG]**

PILOT			COPILOT		
DISCRETE (FIXED)	**DISCRETE (RANDOM)**	**CONTINUOUS**	**DISCRETE (FIXED)**	**DISCRETE (RANDOM)**	**CONTINUOUS**
	15 times during the segment, randomly select (.50) Function 25 or Function 26. Functions 25 and 26 last 7 seconds each. 5 times during the segment, randomly select Function 03. Function 03 lasts 10.5 seconds and cannot occur concurrently with Functions 18, 25, or 26. 5 times during the segment, randomly select Function 18. Function 18 lasts 3.5 seconds and cannot occur concurrently with Functions 03, 25, or 26.	Start Segment 20 with Function 02. Function 02 lasts 900 seconds. Start Function 17 concurrently with Function 02. Function 17 lasts 900 seconds.	Start Function 04 600 seconds after Segment 19 starts. Function 04 lasts 41.5 seconds. Interrupt Function 31 when Function 04 occurs. Function 04 cannot occur concurrently with Functions 03, 18, 25, or 26.	Insert Function 25 each time the pilot performs Function 25 and Function 26 each time the pilot performs Function 26. 1 time during the segment, randomly select Function 03. Function 03 lasts 10.5 seconds and cannot occur concurrently with Functions 18, 25, or 26. 3 times during the segment, randomly select Function 18. Function 18 lasts 3.5 seconds and cannot occur concurrently with Functions 03, 25, or 26.	Start Segment 20 with Function 32. Function 32 lasts 727 seconds. Interrupt Function 32 when Functions 03, 04, 18, 25, or 26 occur. Start Function 17 concurrently with Function 32. Function 17 lasts 900 seconds.

*Denotes segment that occurs in more than one mission phase.

PHASE 6 ENROUTE (LZ-PZ) or (LZ-FARP) ***SEGMENT 21 NOE Flight (Threat)**

PILOT			COPILOT		
DISCRETE (FIXED)	**DISCRETE (RANDOM)**	**CONTINUOUS**	**DISCRETE (FIXED)**	**DISCRETE (RANDOM)**	**CONTINUOUS**
	15 times during the segment, randomly select (.50) Function 25 or Function 26. Functions 25 and 26 last 7 seconds each and cannot occur concurrently with Function 28. 5 times during the segment, randomly select Function 03. Function 03 lasts 10.5 seconds and cannot occur concurrently with Functions 18, 25, or 26. 5 times during the segment, randomly select Function 18. Function 18 lasts 3.5 seconds and cannot occur concurrently with Functions 03, 25, or 26. Continued...	Start Segment 21 with Function 01. Function 01 lasts 900 seconds. Interrupt Function 01 when Function 38 occurs. Start Function 17 concurrently with Function 01. Function 17 lasts 934 seconds.		Insert Function 25 each time the pilot performs Function 25 and Function 26 each time the pilot performs Function 26. 1 time during the segment, randomly select Function 03. Function 03 lasts 10.5 seconds and cannot occur concurrently with Functions 18, 25, 26, 28, or 38. 3 times during the segment, randomly select Function 18. Function 18 lasts 3.5 seconds and cannot occur concurrently with Functions 03 or 38. Continued...	Start Segment 21 with Function 31. Function 31 lasts 694.5 seconds. Interrupt Function 31 when Functions 03, 04, 18, 25, 26, 28, or 38 occur. Start Function 17 concurrently with Function 31. Function 17 lasts 934 seconds.

*Denotes segment that occurs in more than one mission phase.

PHASE 6 ENROUTE (LZ-PZ) or (LZ-FARP) ***SEGMENT 21 NOE Flight (Threat) [Continued]**

PILOT			COPILOT		
DISCRETE (FIXED)	**DISCRETE (RANDOM)**	**CONTINUOUS**	**DISCRETE (FIXED)**	**DISCRETE (RANDOM)**	**CONTINUOUS**
	1 time during the segment, randomly select Function 38. Function 38 lasts 34 seconds and cannot occur concurrently with Function 01.		Start Function 28 when Function 38 ends. Function 28 lasts 30 seconds and cannot occur concurrently with Functions 03, 18, 25, 26, 28, or 31. Start Function 04 600 seconds after Segment 21 starts. Function 04 lasts 41.5 seconds. Interrupt Function 31 when Function 04 occurs. Function 04 cannot occur concurrently with Functions 03, 18, 25, or 26.	Start Function 38 when Function 38 occurs for the Pilot. Interrupt Function 31 when Function 38 occurs. Function 38 lasts 33.5 seconds and cannot occur concurrently with Functions 03, 13, 25, or 26.	

*Denotes segment that occurs in more than one mission phase.

PHASE 6 ENROUTE (LZ-PZ) or (LZ-FARP) ***SEGMENT 22 NOE Flight (Threat) [NVG]**

PILOT			COPILOT		
DISCRETE (FIXED)	**DISCRETE (RANDOM)**	**CONTINUOUS**	**DISCRETE (FIXED)**	**DISCRETE (RANDOM)**	**CONTINUOUS**
	15 times during the segment, randomly select (.50) Function 25 or Function 26. Functions 25 and 26 last 7 seconds each. 5 times during the segment, randomly select Function 03. Function 03 lasts 10.5 seconds and cannot occur concurrently with Functions 18, 25, or 26. 5 times during the segment, randomly select Function 18. Function 18 lasts 3.5 seconds and cannot occur concurrently with Functions 03, 25, or 26. Continued...	Start Segment 22 with Function 02. Function 02 lasts 900.5 seconds. Interrupt Function 02 when Function 39 occurs. Start Function 17 concurrently with Function 02. Function 17 lasts 934 seconds.	Start Function 28 when Function 39 ends. Function 28 lasts 30 seconds. Function 28 cannot occur concurrently with Functions 03, 18, 25, 26, 28, or 32. Continued...	Insert Function 25 each time the pilot performs Function 25 and Function 26 each time the pilot performs Function 26. 1 time during the segment, randomly select Function 03. Function 03 lasts 10.5 seconds and cannot occur concurrently with Functions 18, 25, 26, or 39. 3 times during the segment, randomly select Function 18. Function 18 lasts 3.5 seconds and cannot occur concurrently with Functions 03, or 39. Continued...	Start Segment 22 with Function 32. Function 32 lasts 780 seconds. Interrupt Function 32 when Functions 03, 04, 18, 25, 26, 28, or 39 occur. Start Function 17 concurrently with Function 32. Function 17 lasts 934 seconds.

*Denotes segment that occurs in more than one mission phase.

PHASE 6 ENROUTE (LZ-PZ) or (LZ-FARP) ***SEGMENT 22 NOE Flight (Threat) [NVG] [Continued]**

PILOT			COPILOT		
DISCRETE (FIXED)	**DISCRETE (RANDOM)**	**CONTINUOUS**	**DISCRETE (FIXED)**	**DISCRETE (RANDOM)**	**CONTINUOUS**
	1 time during the segment, randomly select Function 39. Function 39 lasts 44 seconds and cannot occur concurrently with Function 02.			Start Function 39 when Function 39 occurs for the pilot. Interrupt Function 32 when Function 39 occurs. Function 39 lasts 43.5 seconds and cannot occur concurrently with Functions 03, 18, 25, or 26.	
			Start Function 04 600 seconds after Segment 22 starts. Function 04 lasts 41.5 seconds. Interrupt Function 32 when Function 04 occurs. Function 04 cannot occur concurrently with Functions 03, 18, 25, or 26.		

*Denotes segment that occurs in more than one mission phase.

PHASE 6 ENROUTE (LZ-PZ) or (LZ-FARP) — ***SEGMENT 23 NOE Flight (Mission Change)**

PILOT			COPILOT		
DISCRETE (FIXED)	**DISCRETE (RANDOM)**	**CONTINUOUS**	**DISCRETE (FIXED)**	**DISCRETE (RANDOM)**	**CONTINUOUS**
	Insert Function 25 each time the Copilot performs Function 25 and Function 26 each time the Copilot performs Function 26. 5 times during the segment, randomly select Function 03. Function 03 lasts 10.5 seconds and cannot occur concurrently with Functions 18, 25, or 26. 5 times during the segment, randomly select Function 18. Function 18 lasts 3.5 seconds and cannot occur concurrently with Functions 03, 25, or 26.	Start Segment 23 with Function 01. Function 01 lasts 900 seconds. Start Function 17 concurrently with Function 01. Function 17 lasts 900 seconds.		15 times during the segment, randomly select (.50) Function 25 or Function 26. Functions 25 and 26 last 7 seconds each. 1 time during the segment, randomly select Function 03. Function 03 lasts 10.5 seconds and cannot occur concurrently with Functions 16, 18, 25, or 26. 3 times during the segment, randomly select Function 18. Function 18 lasts 3.5 seconds and cannot occur concurrently with Functions 03 or 17.	Start Segment 23 with Function 31. Function 31 lasts 673 seconds. Interrupt Function 31 when Functions 03, 04, 16, 18, 25, 26, or 45 occur. Start Function 17 concurrently with Function 31. Function 17 lasts 900 seconds.
			Continued...	Continued...	

*Denotes segment that occurs in more than one mission phase.

PHASE 6 ENROUTE (LZ-PZ) or (LZ-FARP)

*SEGMENT 23 NOE Flight (Mission Change) [Continued]

PILOT			COPILOT		
DISCRETE (FIXED)	DISCRETE (RANDOM)	CONTINUOUS	DISCRETE (FIXED)	DISCRETE (RANDOM)	CONTINUOUS
			Start Function 04 600 seconds after Segment 23 starts. Function 04 lasts 41.5 seconds. Interrupt Function 31 when Function 04 occurs. Function 04 cannot occur concurrently with Functions 03, 18, 25, or 26. Interrupt Function 04 when Function 16 occurs. Start Function 45 when Function 16 ends. Function 45 lasts 85 seconds.	1 time during the first 700 seconds of Segment 23, randomly select Function 16. Function 16 lasts 74.5 seconds and cannot occur concurrently with Functions 03, 18, 25, 26, or 31.	

*Denotes segment that occurs in more than one mission phase.

PHASE 6 ENROUTE (LZ-PZ) or (LZ-FARP) — ***SEGMENT 24 NOE Flight (Mission Change) [NVG]**

PILOT			COPILOT		
DISCRETE (FIXED)	**DISCRETE (RANDOM)**	**CONTINUOUS**	**DISCRETE (FIXED)**	**DISCRETE (RANDOM)**	**CONTINUOUS**
	Insert Function 25 each time the Copilot performs Function 25 and Function 26 each time the Copilot performs Function 26. 5 times during the segment, randomly select Function 03. Function 03 lasts 10.5 seconds and cannot occur concurrently with Functions 18, 25, or 26. 5 times during the segment, randomly select Function 18. Function 18 lasts 3.5 seconds and cannot occur concurrently with Functions 03, 25 or 26.	Start Segment 24 with Function 02. Function 02 lasts 900 seconds. Start Function 17 concurrently with Function 02. Function 17 lasts 900.5 seconds.	Start Function 04 600 seconds after Segment 24 starts. Function 04 lasts 41.5 seconds. Interrupt Function 31 when Function 04 occurs. Function 04 cannot occur concurrently with Functions 03, 18, 25, or 26. Continued...	15 times during the segment, randomly select (.50) Function 25 or Function 26. Functions 25 and 26 last 7 seconds each. 1 time during the segment, randomly select Function 03. Function 03 lasts 10.5 seconds and cannot occur concurrently with Functions 16, 18, 25, or 26. 3 times during the segment, randomly select Function 18. Function 18 lasts 3.5 seconds and cannot occur concurrently with Functions 03 or 16. Continued...	Start Segment 24 with Function 32. Function 32 lasts 673.5 seconds. Interrupt Function 32 when Functions 03, 04, 16, 18, 25, 26, or 45 occur. Start Function 16 concurrently with Function 29. Function 16 lasts 900 seconds.

*Denotes segment that occurs in more than one mission phase.

PHASE 6 ENROUTE (LZ-PZ) or (LZ-FARP)

*SEGMENT 24 NOE Flight (Mission Change) [NVG] [Continued]

PILOT			COPILOT		
DISCRETE (FIXED)	DISCRETE (RANDOM)	CONTINUOUS	DISCRETE (FIXED)	DISCRETE (RANDOM)	CONTINUOUS
			Start Function 45 when Function 16 ends. Function 45 lasts 85 seconds.	1 time during the first 700 seconds of Segment 24, randomly select Function 16. Function 16 lasts 73 seconds and cannot occur concurrently with Functions 03, 18, 25, 26, or 32.	

*Denotes segment that occurs in more than one mission phase.

PHASE 6 ENROUTE (LZ-PZ) or (LZ-FARP) ***SEGMENT 10 Approach**

PILOT			COPILOT		
DISCRETE (FIXED)	**DISCRETE (RANDOM)**	**CONTINUOUS**	**DISCRETE (FIXED)**	**DISCRETE (RANDOM)**	**CONTINUOUS**
Start Segment 10 with Function 05. Function 05 lasts 243.5 seconds.	Insert Function 25 each time the Copilot performs Function 25 and Function 26 each time the Copilot performs Function 26. 1 time during the segment, randomly select Function 03. Function 03 lasts 10.5 seconds and cannot occur concurrently with Functions 18, 25, or 26. 2 times during the segment, randomly select Function 18. Function 18 lasts 3.5 seconds and cannot occur concurrently with Functions 03, 25, or 26.	Start Function 17 concurrently with Function 05. Function 17 lasts 246 seconds.	Start Segment 10 with Function 27. Function 27 lasts 12 seconds. Start Function 20 when Function 27 ends. Function 20 lasts 20.5 seconds.	6 times during the segment, randomly select (.50) Function 25 or Function 26. Functions 25 and 26 last 7 seconds each and cannot occur concurrently with Functions 20 or 27. 1 time during the segment, randomly select Function 03. Function 03 lasts 10.5 seconds and cannot occur concurrently with Functions 18, 20, 25, 26, or 27. 2 times during the segment, randomly select Function 18. Function 18 lasts 3.5 seconds and cannot occur concurrently with Functions 03, 25, 26, or 27.	Start Function 17 concurrently with Function 27. Function 17 lasts 246 seconds.

*Denotes segment that occurs in more than one mission phase.

PHASE 6 ENROUTE (LZ-PZ) or (LZ-FARP) — *SEGMENT 11 Approach [NVG]

PILOT			COPILOT		
DISCRETE (FIXED)	DISCRETE (RANDOM)	CONTINUOUS	DISCRETE (FIXED)	DISCRETE (RANDOM)	CONTINUOUS
Start Segment 11 with Function 06. Function 06 lasts 344 seconds.	Insert Function 25 each time the Copilot performs Function 25 and Function 26 each time the Copilot performs Function 26. 1 time during the segment, randomly select Function 03. Function 03 lasts 10.5 seconds and cannot occur concurrently with Functions 18, 25, or 26. 2 times during the segment, randomly select Function 18. Function 18 lasts 3.5 seconds and cannot occur concurrently with Functions 03, 25, or 26.	Start Function 17 concurrently with Function 06. Function 17 lasts 344 seconds.	Start Segment 11 with Function 27. Function 27 lasts 12 seconds. Start Function 20 when Function 27 ends. Function 20 lasts 20.5 seconds.	6 times during the segment, randomly select (.50) Function 25 or Function 26. Functions 25 and 26 last 7 seconds each and cannot occur concurrently with Functions 20 or 27. 1 time during the segment, randomly select Function 03. Function 03 lasts 10.5 seconds and cannot occur concurrently with Functions 18, 20, 25, 26, or 27. 2 times during the segment, randomly select Function 18. Function 18 lasts 3.5 seconds and cannot occur concurrently with Functions 03, 25, 26, or 27.	Start Function 17 concurrently with Function 27. Function 17 lasts 344 seconds.

*Denotes segment that occurs in more than one mission phase.

PHASE 6 ENROUTE (LZ-PZ) or (LZ-FARP) ***SEGMENT 12 Landing**

PILOT			COPILOT		
DISCRETE (FIXED)	**DISCRETE (RANDOM)**	**CONTINUOUS**	**DISCRETE (FIXED)**	**DISCRETE (RANDOM)**	**CONTINUOUS**
Start Segment 12 with Function 29. Function 29 lasts 121.5 seconds. Start Function 11 when Function 29 ends. Function 11 lasts 13.5 seconds.	Insert Function 25 each time the Copilot performs Function 25 and Function 26 each time the Copilot performs Function 26.	Start Function 17 concurrently with Function 29. Function 17 lasts 145.5 seconds.	Start Segment 12 with Function 27. Function 27 lasts 12 seconds. Start Function 29 concurrently with Function 27. Function 29 lasts 121.5 seconds. Start Function 11 when Function 29 ends. Function 11 lasts 13.5 seconds. Start Function 19 when Function 11 ends. Function 19 lasts 10.5 seconds.	3 times during the segment, randomly select (.50) Function 25 or Function 26. Functions 25 and 26 last 7 seconds each and cannot occur concurrently with Function 27.	Start Function 17 concurrently with Function 27. Function 17 lasts 145.5 seconds.

*Denotes segment that occurs in more than one mission phase.

PHASE 6 ENROUTE (LZ-PZ) or (LZ-FARP) ***SEGMENT 13 Landing [NVG]**

PILOT			COPILOT		
DISCRETE (FIXED)	**DISCRETE (RANDOM)**	**CONTINUOUS**	**DISCRETE (FIXED)**	**DISCRETE (RANDOM)**	**CONTINUOUS**
Start Segment 13 with Function 30. Function 30 lasts 221.5 seconds. Start Function 12 when Function 30 ends. Function 12 lasts 44 seconds. Start Function 19 when Function 12 ends. Function 19 lasts 10.5 seconds.	Insert Function 25 each time the Copilot performs Function 25 and Function 26 each time the Copilot performs Function 26.	Start Function 17 concurrently with Function 30. Function 17 lasts 265.5 seconds.	Start Segment 13 with Function 27. Function 27 lasts 12 seconds. Start Function 30 concurrently with Function 27. Function 30 lasts 221.5 seconds. Start Function 12 when Function 30 ends. Function 12 lasts 44 seconds. Start Function 19 when Function 12 ends. Function 19 lasts 10.5 seconds.	3 times during the segment, randomly select (.50) Function 25 or Function 26. Functions 25 and 26 last 7 seconds each and cannot occur concurrently with Function 27.	Start Function 17 concurrently with Function 27. Function 17 lasts 265.5 seconds.

*Denotes segment that occurs in more than one mission phase.

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PHASE 7 FARP Operations — **SEGMENT 32 FARP Procedures**

PILOT			COPILOT		
DISCRETE (FIXED)	**DISCRETE (RANDOM)**	**CONTINUOUS**	**DISCRETE (FIXED)**	**DISCRETE (RANDOM)**	**CONTINUOUS**
Start Segment 32 with Function 33. Function 33 lasts 120.5 seconds.		Start Function 17 concurrently with Function 33. Function 17 lasts 600.5 seconds.	Start Segment 32 with Function 33. Function 33 lasts 120.5 seconds.		Start Function 17 concurrently with Function 33. Function 17 lasts 600.5 seconds.
Start Function 37 when Function 33 ends. Function 37 lasts 306.5 seconds. Interrupt Function 37 when Functions 25 or 26 occur.	7 times during Functions 24 and 37, randomly select (.50) Function 25 or Function 26. Functions 25 and 26 last 7 seconds each and cannot occur concurrently.		Start Function 37 when Function 33 ends. Function 37 lasts 306.5 seconds. Interrupt Function 37 when Function 25 or 26 occurs.	Insert Function 25 each time the Pilot performs Function 25 and Function 26 each time the Pilot performs Function 26.	
Start Function 24 when Function 37 ends. Function 24 lasts 4 seconds. Interrupt Function 24 when Functions 25 or 26 occur.			Start Function 24 when Function 37 ends. Function 24 lasts 4 seconds. Interrupt Function 24 when Function 25 or 26 occurs.		
Start Function 33 when Function 24 ends. Function 33 lasts 120.5 seconds.	5 times during Function 33, randomly select (.50) Function 25 or Function 26. Functions 25 and 26 last 7 seconds each and cannot occur concurrently.		Start Function 33 when Function 24 ends. Function 33 lasts 120.5 seconds		

PHASE 7 FARP Operations — **SEGMENT 33 FARP Procedures [NVG]**

PILOT			COPILOT		
DISCRETE (FIXED)	**DISCRETE (RANDOM)**	**CONTINUOUS**	**DISCRETE (FIXED)**	**DISCRETE (RANDOM)**	**CONTINUOUS**
Start Segment 33 with Function 34. Function 34 lasts 180.5 seconds. Start Function 37 when Function 34 ends. Function 37 lasts 306.5 seconds. Interrupt Function 37 when Functions 25 or 26 occur. Start Function 24 when Function 37 ends. Function 24 lasts 4 seconds. Interrupt Function 24 when Functions 25 or 26 occur. Start Function 34 when Function 24 ends. Function 34 lasts 180.5 seconds.	7 times during Functions 24 and 37, randomly select (.50) Function 25 or Function 26. Functions 25 and 26 last 7 seconds each and cannot occur concurrently. 3 times during Function 34, randomly select (.50) Function 25 or Function 26. Functions 25 and 26 last 7 seconds each and cannot occur concurrently.	Start Function 17 concurrently with Function 37. Function 17 lasts 720.5 seconds.	Start Segment 33 with Function 34. Function 34 lasts 180.5 seconds. Start Function 37 when Function 34 ends. Function 37 lasts 306.5 seconds. Interrupt Function 37 when Functions 25 or 26 occur. Start Function 24 when Function 37 ends. Function 24 lasts 4 seconds. Interrupt Function 24 when Functions 25 or 26 occur. Start Function 34 when Function 24 ends. Function 34 lasts 180.5 seconds.	Insert Function 25 each time the Pilot performs Function 25 and Function 26 each time the Pilot performs Function 26.	Start Function 17 concurrently with Function 34. Function 17 lasts 720.5 seconds.

PHASE 7 FARP Operations — **SEGMENT 34 Before Takeoff (FARP)**

PILOT			COPILOT		
DISCRETE (FIXED)	**DISCRETE (RANDOM)**	**CONTINUOUS**	**DISCRETE (FIXED)**	**DISCRETE (RANDOM)**	**CONTINUOUS**
	1 time during the segment, randomly select (.50) Function 25 or Function 26. Functions 25 and 26 last 7 seconds each and cannot occur concurrently with Function 27.	Start Segment 34 with Function 17. Function 17 lasts 45 seconds.	Start Segment 34 with Function 27. Function 27 lasts 12 seconds. Start Function 46 when Function 27 ends. Function 46 lasts 8.5 seconds. Start Function 23 when Function 46 ends. Function 23 lasts 17.5 seconds. Interrupt Function 23 when Function 25 or 26 occurs.	Insert Function 25 each time the Pilot performs Function 25 and Function 26 each time the Pilot performs Function 26.	Start Function 17 concurrently with Function 27. Function 17 lasts 45 seconds.

PHASE 7 FARP Operations — ***SEGMENT 02 Takeoff**

PILOT			COPILOT		
DISCRETE (FIXED)	**DISCRETE (RANDOM)**	**CONTINUOUS**	**DISCRETE (FIXED)**	**DISCRETE (RANDOM)**	**CONTINUOUS**
Start Segment 02 with Function 29. Function 29 lasts 120 seconds. Start Function 07 when Function 29 ends. Function 07 lasts 33.5 seconds. Start Function 09 when Function 07 ends. Function 09 lasts 134.5 seconds.	5 times during the segment, randomly select (.50) Function 25 or Function 26. Functions 25 and 26 last 7 seconds each and cannot occur concurrently with Function 03. 2 times during the segment, randomly select Function 03. Function 03 lasts 10.5 seconds and cannot occur concurrently with Functions 18, 25, or 26. 2 times during the segment, randomly select Function 18. Function 18 lasts 3.5 seconds and cannot occur concurrently with Function 03.	Start Function 17 concurrently with Function 29. Function 17 lasts 288 seconds.	Start Segment 02 with Function 29. Function 29 lasts 120 seconds.	Insert Function 25 each time the pilot performs Function 25 and Function 26 each time the pilot performs Function 26. 3 times during the segment, randomly select Function 03. Function 03 lasts 10.5 seconds and cannot occur concurrently with Functions 18, 25, or 26. 3 times during the segment, randomly select Function 18. Function 18 lasts 3.5 seconds and cannot occur concurrently with Function 03.	Start Function 17 concurrently with Function 29. Function 17 lasts 288 seconds.

*Denotes segment that occurs in more than one mission phase.

PHASE 7 FARP Operations — ***SEGMENT 03 Takeoff [NVG]**

PILOT			COPILOT		
DISCRETE (FIXED)	**DISCRETE (RANDOM)**	**CONTINUOUS**	**DISCRETE (FIXED)**	**DISCRETE (RANDOM)**	**CONTINUOUS**
Start Segment 03 with Function 30. Function 30 lasts 220 seconds. Start Function 08 when Function 30 ends. Function 08 lasts 94 seconds. Start Function 10 when Function 08 ends. Function 10 lasts 195 seconds.	5 times during the segment, randomly select (.50) Function 25 or Function 26. Functions 25 and 26 last 7 seconds each and cannot occur concurrently with Function 03. 1 time during the segment, randomly select (.50) Function 03. Function 03 lasts 10.5 seconds and cannot occur concurrently with Functions 18, 25, or 26. 1 time during the segment, randomly select Function 18. Function 18 lasts 3.5 seconds and cannot occur concurrently with Function 03.	Start Function 17 concurrently with Function 30. Function 17 lasts 509 seconds.	Start Segment 03 with Function 30. Function 30 lasts 220 seconds.	Insert Function 25 each time the pilot performs Function 25 and Function 26 each time the pilot performs Function 26. 3 times during the segment, randomly select Function 03. Function 03 lasts 10.5 seconds and cannot occur concurrently with Functions 18, 25, or 26. 3 times during the segment, randomly select Function 18. Function 18 lasts 3.5 seconds and cannot occur concurrently with Function 03.	Start Function 17 concurrently with Function 30. Function 17 lasts 509 seconds.

*Denotes segment that occurs in more than one mission phase.

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PHASE 8 ENROUTE (FARP-PZ) — *SEGMENT 19 NOE Flight

PILOT			COPILOT		
DISCRETE (FIXED)	DISCRETE (RANDOM)	CONTINUOUS	DISCRETE (FIXED)	DISCRETE (RANDOM)	CONTINUOUS
	15 times during the segment, randomly select (.50) Function 25 or Function 26. Functions 25 and 26 last 7 seconds each. 5 times during the segment, randomly select Function 03. Function 03 lasts 10.5 seconds and cannot occur concurrently with Functions 18, 25, or 26. 5 times during the segment, randomly select Function 18. Function 18 lasts 3.5 seconds and cannot occur concurrently with Functions 03, 25, or 26.	Start Segment 19 with Function 01. Function 01 lasts 900 seconds. Start Function 17 concurrently with Function 01. Function 17 lasts 900 seconds.	Start Function 04 600 seconds after Segment 19 starts. Function 04 lasts 41.5 seconds. Interrupt Function 31 when Function 04 occurs. Function 04 cannot occur concurrently with Functions 03, 18, 25, or 26.	Insert Function 25 each time the pilot performs Function 25 and Function 26 each time the pilot performs Function 26. 1 time during the segment, randomly select Function 03. Function 03 lasts 10.5 seconds and cannot occur concurrently with Functions 18, 25, or 26. 3 times during the segment, randomly select Function 18. Function 18 lasts 3.5 seconds and cannot occur concurrently with Functions 03, 25, or 26.	Start Segment 19 with Function 31. Function 31 lasts 727 seconds. Interrupt Function 31 when Functions 03, 04, 18, 25, or 26 occur. Start Function 17 concurrently with Function 31. Function 17 lasts 900 seconds.

*Denotes segment that occurs in more than one mission phase.

PHASE 8 ENROUTE (FARP-PZ) ***SEGMENT 20 NOE Flight [NVG]**

PILOT			COPILOT		
DISCRETE (FIXED)	**DISCRETE (RANDOM)**	**CONTINUOUS**	**DISCRETE (FIXED)**	**DISCRETE (RANDOM)**	**CONTINUOUS**
	15 times during the segment, randomly select (.50) Function 25 or Function 26. Functions 25 and 26 last 7 seconds each. 5 times during the segment, randomly select Function 03. Function 03 lasts 10.5 seconds and cannot occur concurrently with Functions 18, 25, or 26. 5 times during the segment, randomly select Function 18. Function 18 lasts 3.5 seconds and cannot occur concurrently with Functions 03, 25, or 26.	Start Segment 20 with Function 02. Function 02 lasts 900 seconds. Start Function 17 concurrently with Function 02. Function 17 lasts 900 seconds.	Start Function 04 600 seconds after Segment 19 starts. Function 04 lasts 41.5 seconds. Interrupt Function 31 when Function 04 occurs. Function 04 cannot occur concurrently with Functions 03, 18, 25, or 26.	Insert Function 25 each time the pilot performs Function 25 and Function 26 each time the pilot performs Function 26. 1 time during the segment, randomly select Function 03. Function 03 lasts 10.5 seconds and cannot occur concurrently with Functions 18, 25, or 26. 3 times during the segment, randomly select Function 18. Function 18 lasts 3.5 seconds and cannot occur concurrently with Functions 03, 25, or 26.	Start Segment 20 with Function 32. Function 32 lasts 727 seconds. Interrupt Function 32 when Functions 03, 04, 18, 25, or 26 occur. Start Function 17 concurrently with Function 32. Function 17 lasts 900 seconds.

*Denotes segment that occurs in more than one mission phase.

PHASE 8 ENROUTE (FARP-PZ) ***SEGMENT 21 NOE Flight (Threat)**

PILOT			COPILOT		
DISCRETE (FIXED)	DISCRETE (RANDOM)	CONTINUOUS	DISCRETE (FIXED)	DISCRETE (RANDOM)	CONTINUOUS
	15 times during the segment, randomly select (.50) Function 25 or Function 26. Functions 25 and 26 last 7 seconds each and cannot occur concurrently with Function 28. 5 times during the segment, randomly select Function 03. Function 03 lasts 10.5 seconds and cannot occur concurrently with Functions 18, 25, or 26. 5 times during the segment, randomly select Function 18. Function 18 lasts 3.5 seconds and cannot occur concurrently with Functions 03, 25, or 26. Continued...	Start Segment 21 with Function 01. Function 01 lasts 900 seconds. Interrupt Function 01 when Function 38 occurs. Start Function 17 concurrently with Function 01. Function 17 lasts 934 seconds.		Insert Function 25 each time the pilot performs Function 25 and Function 26 each time the pilot performs Function 26. 1 time during the segment, randomly select Function 03. Function 03 lasts 10.5 seconds and cannot occur concurrently with Functions 18, 25, 26, 28, or 38. 3 times during the segment, randomly select Function 18. Function 18 lasts 3.5 seconds and cannot occur concurrently with Functions 03 or 38. Continued...	Start Segment 21 with Function 31. Function 31 lasts 694.5 seconds. Interrupt Function 31 when Functions 03, 04, 18, 25, 26, 28, or 38 occur. Start Function 17 concurrently with Function 31. Function 17 lasts 934 seconds.

*Denotes segment that occurs in more than one mission phase.

PHASE 8 ENROUTE (FARP-PZ) — ***SEGMENT 21 NOE Flight (Threat) [Continued]**

PILOT			COPILOT		
DISCRETE (FIXED)	**DISCRETE (RANDOM)**	**CONTINUOUS**	**DISCRETE (FIXED)**	**DISCRETE (RANDOM)**	**CONTINUOUS**
	1 time during the segment, randomly select Function 38. Function 38 lasts 34 seconds and cannot occur concurrently with Function 01.		Start Function 28 when Function 38 ends. Function 28 lasts 30 seconds and cannot occur concurrently with Functions 03, 18, 25, 26, 28, or 31. Start Function 04 600 seconds after Segment 21 starts. Function 04 lasts 41.5 seconds. Interrupt Function 31 when Function 04 occurs. Function 04 cannot occur concurrently with Functions 03, 18, 25, or 26.	Start Function 38 when Function 38 occurs for the Pilot. Interrupt Function 31 when Function 38 occurs. Function 38 lasts 33.5 seconds and cannot occur concurrently with Functions 03, 18, 25, or 26.	

*Denotes segment that occurs in more than one mission phase.

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PHASE 8 ENROUTE (FARP-PZ) *SEGMENT 22 NOE Flight (Threat) [NVG]

PILOT			COPILOT		
DISCRETE (FIXED)	DISCRETE (RANDOM)	CONTINUOUS	DISCRETE (FIXED)	DISCRETE (RANDOM)	CONTINUOUS
	15 times during the segment, randomly select (.50) Function 25 or Function 26. Functions 25 and 26 last 7 seconds each. 5 times during the segment, randomly select Function 03. Function 03 lasts 10.5 seconds and cannot occur concurrently with Functions 18, 25, or 26. 5 times during the segment, randomly select Function 18. Function 18 lasts 3.5 seconds and cannot occur concurrently with Functions 03, 25, or 26. Continued...	Start Segment 22 with Function 02. Function 02 lasts 900.5 seconds. Interrupt Function 02 when Function 39 occurs. Start Function 17 concurrently with Function 02. Function 17 lasts 934.5 seconds.	Start Function 28 when Function 39 ends. Function 28 lasts 30 seconds. Function 28 cannot occur concurrently with Functions 03, 18, 25, 26, 28, or 32. Continued...	Insert Function 25 each time the pilot performs Function 25 and Function 26 each time the pilot performs Function 26. 1 time during the segment, randomly select Function 03. Function 03 lasts 10.5 seconds and cannot occur concurrently with Functions 18, 25, 26, or 39. 3 times during the segment, randomly select Function 18. Function 18 lasts 3.5 seconds and cannot occur concurrently with Functions 03, or 39. Continued...	Start Segment 22 with Function 32. Function 32 lasts 695 seconds. Interrupt Function 32 when Functions 03, 04, 18, 25, 26, 28, or 39 occur. Start Function 17 concurrently with Function 32. Function 17 lasts 934.5 seconds.

*Denotes segment that occurs in more than one mission phase.

PHASE 8 ENROUTE (FARP-PZ) ***SEGMENT 22 NOE Flight (Threat) [NVG] [Continued]**

PILOT			COPILOT		
DISCRETE (FIXED)	**DISCRETE (RANDOM)**	**CONTINUOUS**	**DISCRETE (FIXED)**	**DISCRETE (RANDOM)**	**CONTINUOUS**
	1 time during the segment, randomly select Function 39. Function 39 lasts 44 seconds and cannot occur concurrently with Function 02.		Start Function 04 600 seconds after Segment 22 starts. Function 04 lasts 41.5 seconds. Interrupt Function 32 when Function 04 occurs. Function 04 cannot occur concurrently with Functions 03, 18, 25, or 26.	Start Function 39 when Function 39 occurs for the pilot. Interrupt Function 32 when Function 39 occurs. Function 39 lasts 43.5 seconds and cannot occur concurrently with Functions 03, 18, 25, or 26.	

*Denotes segment that occurs in more than one mission phase.

PHASE 8 ENROUTE (FARP-PZ) — ***SEGMENT 23 NOE Flight (Mission Change)**

PILOT			COPILOT		
DISCRETE (FIXED)	DISCRETE (RANDOM)	CONTINUOUS	DISCRETE (FIXED)	DISCRETE (RANDOM)	CONTINUOUS
	Insert Function 25 each time the Copilot performs Function 25 and Function 26 each time the Copilot performs Function 26. 5 times during the segment, randomly select Function 03. Function 03 lasts 10.5 seconds and cannot occur concurrently with Functions 18, 25, or 26. 5 times during the segment, randomly select Function 18. Function 18 lasts 3.5 seconds and cannot occur concurrently with Functions 03, 25, or 26.	Start Segment 23 with Function 01. Function 01 lasts 900 seconds. Start Function 17 concurrently with Function 01. Function 17 lasts 900 seconds.		15 times during the segment, randomly select (.50) Function 25 or Function 26. Functions 25 and 26 last 7 seconds each. 1 time during the segment, randomly select Function 03. Function 03 lasts 10.5 seconds and cannot occur concurrently with Functions 16, 18, 25, or 26. 3 times during the segment, randomly select Function 18. Function 18 lasts 3.5 seconds and cannot occur concurrently with Functions 03 or 17.	Start Segment 23 with Function 31. Function 31 lasts 673 seconds. Interrupt Function 31 when Functions 03, 04, 16, 18, 25, 26, or 45 occur. Start Function 17 concurrently with Function 31. Function 17 lasts 900 seconds.
			Continued...	Continued...	

*Denotes segment that occurs in more than one mission phase.

PHASE 8 ENROUTE (FARP-PZ)

*SEGMENT 23 NOE Flight (Mission Change) [Continued]

PILOT			COPILOT		
DISCRETE (FIXED)	DISCRETE (RANDOM)	CONTINUOUS	DISCRETE (FIXED)	DISCRETE (RANDOM)	CONTINUOUS
			Start Function 04 600 seconds after Segment 23 starts. Function 04 lasts 41.5 seconds. Interrupt Function 31 when Function 04 occurs. Function 04 cannot occur concurrently with Functions 03, 18, 25, or 26. Start Function 45 when Function 16 ends. Function 45 lasts 85 seconds.	1 time during the first 700 seconds of Segment 23, randomly select Function 16. Function 16 lasts 74.5 seconds and cannot occur concurrently with Functions 03, 18, 25, 26, or 31.	

*Denotes segment that occurs in more than one mission phase.

PHASE 8 ENROUTE (FARP-PZ) — ***SEGMENT 24 NOE Flight (Mission Change) [NVG]**

PILOT			COPILOT		
DISCRETE (FIXED)	**DISCRETE (RANDOM)**	**CONTINUOUS**	**DISCRETE (FIXED)**	**DISCRETE (RANDOM)**	**CONTINUOUS**
	Insert Function 25 each time the Copilot performs Function 25 and Function 26 each time the Copilot performs Function 26. 5 times during the segment, randomly select Function 03. Function 03 lasts 10.5 seconds and cannot occur concurrently with Functions 18, 25, or 26. 5 times during the segment, randomly select Function 18. Function 18 lasts 3.5 seconds and cannot occur concurrently with Functions 03, 25 or 26.	Start Segment 24 with Function 02. Function 02 lasts 900.5 seconds. Start Function 17 concurrently with Function 02. Function 17 lasts 900.5 seconds.	Start Function 04 600 seconds after Segment 24 starts. Function 04 lasts 41.5 seconds. Interrupt Function 31 when Function 04 occurs. Function 04 cannot occur concurrently with Functions 03, 18, 25, or 26. Continued...	15 times during the segment, randomly select (.50) Function 25 or Function 26. Functions 25 and 26 last 7 seconds each. 1 time during the segment, randomly select Function 03. Function 03 lasts 10.5 seconds and cannot occur concurrently with Functions 16, 18, 25, or 26. 3 times during the segment, randomly select Function 18. Function 18 lasts 3.5 seconds and cannot occur concurrently with Functions 03 or 16. Continued...	Start Segment 24 with Function 32. Function 32 lasts 673.5 seconds. Interrupt Function 32 when Functions 03, 04, 16, 18, 25, 26, or 45 occur. Start Function 16 concurrently with Function 29. Function 16 lasts 900.5 seconds.

*Denotes segment that occurs in more than one mission phase.

PHASE 8 ENROUTE (FARP-PZ)

***SEGMENT 24 NOE Flight (Mission Change) [NVG] [Continued]**

PILOT			COPILOT		
DISCRETE (FIXED)	**DISCRETE (RANDOM)**	**CONTINUOUS**	**DISCRETE (FIXED)**	**DISCRETE (RANDOM)**	**CONTINUOUS**
				1 time during the first 700 seconds of Segment 24, randomly select Function 16. Function 16 lasts 73 seconds and cannot occur concurrently with Functions 03, 18, 25, 26, or 32.	
			Start Function 45 when Function 16 ends. Function 45 lasts 85 seconds.		

*Denotes segment that occurs in more than one mission phase.

PHASE 8 ENROUTE (FARP-PZ) ***SEGMENT 10 Approach**

PILOT			COPILOT		
DISCRETE (FIXED)	**DISCRETE (RANDOM)**	**CONTINUOUS**	**DISCRETE (FIXED)**	**DISCRETE (RANDOM)**	**CONTINUOUS**
Start Segment 10 with Function 05. Function 05 lasts 243.5 seconds.	Insert Function 25 each time the Copilot performs Function 25 and Function 26 each time the Copilot performs Function 26. 1 time during the segment, randomly select Function 03. Function 03 lasts 10.5 seconds and cannot occur concurrently with Functions 18, 25, or 26. 2 times during the segment, randomly select Function 18. Function 18 lasts 3.5 seconds and cannot occur concurrently with Functions 03, 25, or 26.	Start Function 17 concurrently with Function 05. Function 17 lasts 246 seconds.	Start Segment 10 with Function 27. Function 27 lasts 12 seconds. Start Function 20 when Function 27 ends. Function 20 lasts 20.5 seconds.	6 times during the segment, randomly select (.50) Function 25 or Function 26. Functions 25 and 26 last 7 seconds each and cannot occur concurrently with Functions 20 or 27. 1 time during the segment, randomly select Function 03. Function 03 lasts 10.5 seconds and cannot occur concurrently with Functions 18, 20, 25, 26, or 27. 2 times during the segment, randomly select Function 18. Function 18 lasts 3.5 seconds and cannot occur concurrently with Functions 03, 25, 26, or 27.	Start Function 17 concurrently with Function 27. Function 17 lasts 246 seconds.

*Denotes segment that occurs in more than one mission phase.

PHASE 8 ENROUTE (FARP-PZ) ***SEGMENT 11 Approach [NVG]**

PILOT			COPILOT		
DISCRETE (FIXED)	**DISCRETE (RANDOM)**	**CONTINUOUS**	**DISCRETE (FIXED)**	**DISCRETE (RANDOM)**	**CONTINUOUS**
Start Segment 11 with Function 06. Function 06 lasts 344 seconds.	Insert Function 25 each time the Copilot performs Function 25 and Function 26 each time the Copilot performs Function 26. 1 time during the segment, randomly select Function 03. Function 03 lasts 10.5 seconds and cannot occur concurrently with Functions 18, 25, or 26. 2 times during the segment, randomly select Function 18. Function 18 lasts 3.5 seconds and cannot occur concurrently with Functions 03, 25, or 26.	Start Function 17 concurrently with Function 06. Function 17 lasts 344 seconds.	Start Segment 11 with Function 27. Function 27 lasts 12 seconds. Start Function 20 when Function 27 ends. Function 20 lasts 20.5 seconds.	6 times during the segment, randomly select (.50) Function 25 or Function 26. Functions 25 and 26 last 7 seconds each and cannot occur concurrently with Functions 20 or 27. 1 time during the segment, randomly select Function 03. Function 03 lasts 10.5 seconds and cannot occur concurrently with Functions 18, 20, 25, 26, or 27. 2 times during the segment, randomly select Function 18. Function 18 lasts 3.5 seconds and cannot occur concurrently with Functions 03, 25, 26, or 27.	Start Function 17 concurrently with Function 27. Function 17 lasts 344 seconds.

*Denotes segment that occurs in more than one mission phase.

PHASE 8 ENROUTE (FARP-PZ) ***SEGMENT 12 Landing**

PILOT			COPILOT		
DISCRETE (FIXED)	**DISCRETE (RANDOM)**	**CONTINUOUS**	**DISCRETE (FIXED)**	**DISCRETE (RANDOM)**	**CONTINUOUS**
Start Segment 12 with Function 29. Function 29 lasts 121.5 seconds. Start Function 11 when Function 29 ends. Function 11 lasts 13.5 seconds.	Insert Function 25 each time the Copilot performs Function 25 and Function 26 each time the Copilot performs Function 26.	Start Function 17 concurrently with Function 29. Function 17 lasts 145.5 seconds.	Start Segment 12 with Function 27. Function 27 lasts 12 seconds. Start Function 29 concurrently with Function 27. Function 29 lasts 121.5 seconds. Start Function 11 when Function 29 ends. Function 11 lasts 13.5 seconds. Start Function 19 when Function 11 ends. Function 19 lasts 10.5 seconds.	3 times during the segment, randomly select (.50) Function 25 or Function 26. Functions 25 and 26 last 7 seconds each and cannot occur concurrently with Function 27.	Start Function 17 concurrently with Function 27. Function 17 lasts 145.5 seconds.

*Denotes segment that occurs in more than one mission phase.

PHASE 8 ENROUTE (FARP-PZ)

*SEGMENT 13 Landing [NVG]

PILOT			COPILOT		
DISCRETE (FIXED)	DISCRETE (RANDOM)	CONTINUOUS	DISCRETE (FIXED)	DISCRETE (RANDOM)	CONTINUOUS
Start Segment 13 with Function 30. Function 30 lasts 221.5 seconds. Start Function 12 when Function 30 ends. Function 12 lasts 44 seconds. Start Function 19 when Function 12 ends. Function 19 lasts 10.5 seconds.	Insert Function 25 each time the Copilot performs Function 25 and Function 26 each time the Copilot performs Function 26.	Start Function 17 concurrently with Function 30. Function 17 lasts 265.5 seconds.	Start Segment 13 with Function 27. Function 27 lasts 12 seconds. Start Function 30 concurrently with Function 27. Function 30 lasts 221.5 seconds. Start Function 12 when Function 30 ends. Function 12 lasts 44 seconds. Start Function 19 when Function 12 ends. Function 19 lasts 10.5 seconds.	3 times during the segment, randomly select (.50) Function 25 or Function 26. Functions 25 and 26 last 7 seconds each and cannot occur concurrently with Function 27.	Start Function 17 concurrently with Function 27. Function 17 lasts 265.5 seconds.

*Denotes segment that occurs in more than one mission phase.