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Attachment 0083

**JLTV FoV Master Task List
(Operators)**

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DRAFT

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Consolidated JLTV Operator Task List

Position	Task Sequence Number	Task Number	Task	Subtask
Driver	1	DVR-1	Operate JLTV Systems	
				Start Engine
				Stop Engine
				Engage Transmission Driving Range to road types
				Engage Transfer Case Driving Range to terrain, soil types
				Engage CTIS to terrain, soil types
				Engage HVAC to environmental conditions
				Engage Semi-Active Suspension System to terrain
				Engage Semi-Active Suspension System to boarding, stowing on naval vessels
				Engage automotive braking system
				Activate/deactivate/make safe for maintenance Automatic Fire Extinguishing System (AFES)
				Activate vehicle headlights
				Activate vehicle black out lights
				Activate vehicle marker lights
				Activate interior vehicle lights
				Engage/Disengage vehicle electrical battery power
				Engage windshield wipers
				Engage vehicle horn
				Engage vehicle turn & hazard markers signals
				Adjust dash panel instrumentation marker lamp illumination
				Monitor vehicle electrical system gauges
				Monitor Engine system gauges
				Monitor transmission system gauges
				Monitor cooling system gauges
				Monitor fuel level gauge
				Refuel the vehicle

				Monitor Instrumentation panel Warnings, Cautions and Alarms
				Monitor Engine Tachometer
				Monitor vehicle Speedometer
				Manipulating steering controls
				Adjust Mirrors to enable rearward visibility
				Conduct Pre-Operational Inspection of vehicle
				Conduct During Operational Inspection of vehicle
				Conduct After Operational Inspection of vehicle
				Fasten 5 point safety harness
				Adjust ballistic blast seats
				Configure vehicle for shallow water fording (max 30 inches)
				Configure vehicle for deep water fording (max 60 inches)
				Turn on/off exportable AC electrical power (p. 138 of PD)
				Slave start a disabled vehicle with assistance
				Turn on/off windshield deicer (design specific)
				Engage/disengage door locking mechanisms
				Disengage door locking mechanism with Egress tool
				Perform BDAR to assess vehicle damage and operability
				Utilize JLTV Operator Technical Manual
				Troubleshoot the JLTV components
	2	DVR- 2	Drive JLTV on Proved Roads	
				Comply with Department of Transportation, and Department of Defense traffic regulations
				Negotiate turns (Left/Right)
				Negotiate traffic lane changes with or without trailer
				Negotiate road grades at 40-60%
				Negotiate road slopes at 40%
				Determine appropriate acceleration for road conditions
				Maintain appropriate distance when following vehicles
				Apply braking to stop/reduce vehicle speed with and without trailer/load
				Apply engine braking to stop/reduce vehicle speed with and without trailer/load
				Monitor controls and gauges for normal operating ranges

				Turn on vehicle headlamps, windshield wipers, defroster to road and environmental conditions
				Maintain situation awareness/observe surroundings (road hazards)
				Apply safety measures in the event vehicle is disabled on public and federal roads (warning triangles)
				Fasten 5 point safety harness
				Adjust ballistic blast seat
				Drive JLTV with Night Vision Devices
				Drive vehicle on a flat tire with the run flat insert
				Operate vehicle in all environmental conditions
	3	DVR-3	Drive JLTV on Improved Roads	
				Comply with Department of Transportation, and Department of Defense traffic regulations
				Negotiate turns (Left/Right)
				Negotiate traffic lane changes with or without trailer
				Negotiate road grades at 30% and 40%
				Negotiate road slopes at 30% and 40%
				Determine appropriate acceleration for road conditions
				Maintain appropriate distance when following vehicles
				Apply braking to stop/reduce vehicle speed with and without trailer/load
				Apply engine braking to reduce vehicle speed with and without trailer
				Monitor controls and gauges for normal operating ranges
				Turn on vehicle headlamps, windshield wipers, defroster to road and environmental conditions
				Maintain situation awareness/observe surroundings (road hazards)
				Apply safety measures in the event vehicle is disabled on public and federal roads (warning triangles)
				Fasten 5 point safety harness
				Adjust ballistic blast seat
				Drive JLTV with Night Vision Devices
				Drive vehicle on a flat tire with the run flat insert
				Operate vehicle in all environmental conditions
	4	DVR-4	Drive JLTV on Secondary Roads	

				Comply with Department of Transportation, and Department of Defense traffic regulations
				Negotiate turns (Left/Right)
				Negotiate traffic lane changes with or without trailer
				Negotiate road grades at 30% and 40%
				Negotiate road slopes at 30% and 40%
				Determine appropriate acceleration for road conditions
				Maintain appropriate distance when following vehicles
				Apply braking to stop/reduce vehicle speed with and without trailer/load
				Apply engine braking to reduce vehicle speed with and without trailer
				Monitor controls and gauges for normal operating ranges
				Turn on vehicle headlamps, windshield wipers, defroster to road and environmental conditions
				Maintain situation awareness/observe surroundings (road hazards)
				Apply safety measures in the event vehicle is disabled on public and federal roads (warning triangles)
				Fasten 5 point safety harness
				Adjust ballistic blast seat
				Engage Transfer Case and axles to soil and terrain types to overcome environmental obstacles
				Negotiate vertical obstacles at 18 in and 24 in in forward and reverse
				Negotiate shallow water obstacles (Fording depth of 30 in)
				Negotiate deep water obstacles (Fording depth of 60 in)
				Traverse a 20 in degree V-Ditch 25 ft wide at an approach angle of 45 degrees
				Drive JLTV with Night Vision Devices
				Drive vehicle on a flat tire with the run flat insert
				Operate vehicle in all environmental conditions
	5	DVR-5	Drive JLTV Off-road	
				Comply with Department of Transportation, and Department of Defense traffic regulations
				Negotiate turns (Left/Right)
				Negotiate traffic lane changes with or without trailer

				Negotiate road grades at 30% and 40%
				Negotiate road slopes at 30% and 40%
				Determine appropriate acceleration for road conditions
				Maintain appropriate distance when following vehicles
				Apply braking to stop/reduce vehicle speed with and without trailer/load
				Apply engine braking to reduce vehicle speed with and without trailer
				Monitor controls and gauges for normal operating ranges
				Turn on vehicle headlamps, windshield wipers, defroster to road and environmental conditions
				Maintain situation awareness/observe surroundings (road hazards)
				Fasten 5 point safety harness
				Adjust ballistic blast seat
				Engage Transfer Case and axles to soil and terrain types to overcome environmental obstacles
				Negotiate vertical obstacles
				Negotiate spans, ditches, trenches
				Drive JLTV with Night Vision Devices
				Drive vehicle on a flat tire with the run flat insert
				Operate vehicle in all environmental conditions
				Operate vehicle in all terrain types
				Negotiate shallow water obstacles (Fording depth of 30 in)
				Negotiate deep water obstacles (Fording depth of 60 in)
	6	DVR-6	Traverse a 20 ft (6m) flight of stairs	
				Drive JLTV up a flight of stairs
				Drive JLTV down a flight of stairs
	7	DVR-7	Perform Operator Limp Home Procedures	
				Drive JLTV on a run flat tire
				Drive JLTV with a loss of air system
				Drive JLTV with reduced engine power
				Drive JLTV with reduced transmission ranges
				Drive JLTV with loss of semi-active suspension

	8	DVR-8	Perform Preventative Maintenance Checks and Services (PMCS)	
				Check components for serviceability
				Check components for functionality
				Clean components to maintain serviceability
				Clean components to maintain functionality
				Replenish system fluids, lubricants, and fuel
				Report items that are not serviceable and functional'
				Perform Corrosion Prevention and Control (CPAP)
				Inspect the Monocapsule for serviceability and damage
				Inspect the Body for serviceability and damage
	9	DVR-9	Perform B Kit Armor PMCS	
				Perform Corrosion Prevention and Control (CPAP)
				Check armor for serviceability
				Report items that are not serviceable and functional'
				Check armor for secure placement to cab
				Perform BDAR to assess armor damage
				Utilize Technical Manual
	10	DVR-10	Decontaminate JLTV after operation in a CBRN environment	
				Wash the vehicle exterior, interior, and underbody with appropriate decontamination solution processes
				Wash stowed equipment, weapons, communications, and supplies with appropriate decontamination solution processes
				Utilize Technical Manual
	11	DVR-11	Operate Tactical JLTV System	
				Engage Silent Watch system
				Engage Combat Over-ride
				Operate Intra-vehicle communication system
				Configure rear cabin for litter operations
				Operate CBRN detection system
				Utilize Technical Manual
	12	DVR-12	Perform Self-Recovery of mired JLTV	Operate on-board winch

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				Establish rigging
				Connect KE strap (if chosen)
				Recover rigging
				Utilize Technical Manual
	13	DVR-13	Perform Flat Towing of disabled JLTV	Connect/Disconnect tow-bar to disabled vehicle and towing vehicle
				Configure disabled JLTV for towing
				Drive towing vehicle with attached JLTV
				Utilize Technical Manual
	14	DVR-14	Operate winterization systems under 25 degrees	Start engine using arctic engine kit
				Start engine using cold start procedures
				Engage HVAC system for heat
				Utilize Technical Manual
	15	DVR-15	Recover JLTV using dedicated recovery vehicle	Configure disabled JLTV for towing
				Connect recovery vehicle rigging
	16	DVR-16	Trailer with JLTV Trailer	Interface with DSDU
				Back JLTV to trailer using back up camera
				Navigate JLTV to ground guide signals
				Connect trailer with assistant
				Drive JLTV with trailer on proved roads
				Drive JLTV with trailer on improved roads
				Drive JLTV with trailer on secondary roads
				Drive JLTV with trailer off-road
				Drive JLTV with trailer in reverse gear
	17	DVR-17	Trailer with Legacy Trailer	Interface with DSDU
				Back JLTV to trailer using back up camera
				Navigate JLTV to ground guide signals
				Connect trailer with assistant
				Drive JLTV with trailer on proved roads
				Drive JLTV with trailer on improved roads
				Drive JLTV with trailer on secondary roads
				Drive JLTV with trailer off-road
				Drive JLTV with trailer in reverse gear
	18			

		DVR-18	Use JLTV Basic Issue Items (BII)	Identify tools and support equipment
				Inventory tools and support equipment
				Stow/retrieve tools and support equipment
				Use BII to perform operator level maintenance
				Clean tools after use
	19	DVR-19	Operate Drivers Smart Display Unit (DSDU)	Use frame edge buttons to access DSDU software functions
				Use touchscreen virtual buttons/keys to access DSDU software functions
				Perform DSDU system start-up procedures
				Perform DSDU system log-in procedures
				Respond to system alerts, warnings, and cautions when presented on the DSDU
	20	DVR-20	Access JLTV vehicle system status using the DSDU control features	Access the Vehicle Information function using the DSDU control features
				Access the PMCS Scheduling (when installed) function using the DSDU control features
				Access the Powertrain Setting Selection function using the DSDU control features
				Access the Suspension Setting Selection function using the DSDU control features
				Access the CTIS Setting Selection function using the DSDU control features
				Access the Back-Up Camera function using the DSDU control features
				Access the Driver Visual Enhancement (DVE) Imagery (when installed) function using the DSDU control features
				Access the Power Generation and Management (when installed) function using the DSDU control features
				Access the Silent Watch Settings (when installed) function using the DSDU control features
	21	DVR-21	Operate LVOSS System	Load LVOSS system

				Arm LVOSS system
				Select appropriate LVOSS launcher unit(s) to fire
				Fire LVOSS system
				Safe LVOSS system
				Unload LVOSS system
				Perform PMCS on LVOSS system
	22	VCDR-1	Exercise Tactical Control	
	23	VCDR-2	Direct Tactical Employment	
	24	VCDR-3	Utilize Tactical Communications	
	25	VCDR-4	Perform Tactical Navigation	
	26	VCDR-5	Direct Weapons Employment (dependant upon arming of the JLTV)	
	27	VCDR-6	Coordinate Indirect Fire Control/Artillery capability (AFTADS)	
Gunner	28	Gnr-1	Operate Gunner Restraint System	Don/Remove Gunner Restraint system from body
				Connect/Disconnect Gunner Restraint system from vehicle
	29	Gnr-2	Operate MCTAGS turret*	Traverse turret manually
				Traverse turret using Battery Powered Motorized Traversing Unit (BPMTU)
				Charge BPMTU batteries
				Perform PMCS
	30	Gnr-3	Operate SABER turret*	Traverse turret manually
				Perform PMCS
Crew (Driver + additional labor)	31	Crw-1	Perform Self-Recovery of HMMWV at fender depth mire	Operate on-board winch
				Establish rigging
				Attach sheave to rigging
				Attach rigging to tow points

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				Connect KE Strap (if chosen)
				Recover rigging
	32	Crw-2	Install and Remove B-kit armor	Gather B-kit armor container
				Unload B-kit armor
				Gather tools and support equipment
				Attach B-kit armor
				Remove B-kit armor
				Utilize Technical Manual
	33	Crw-3	Perform Flat Towing of disabled JLTV	Connect tow-bar to disabled vehicle and towing vehicle
				Configure disabled JLTV for towing
				Drive towing vehicle with attached disabled JLTV
				Utilize Technical Manual
	34	Crw-4	Emergency Egress from overturned, upside down, or damaged JLTV	Unlock doors from exterior using Egress tool
				Open doors using a secondary vehicle with BII (secondary extraction method)
				Locate escape path from occupied position
				Assist other crew members
				Perform firefighting, if applicable
				Administer first aid, if required
				Utilize Technical Manual
	35	Crw-5	Egress from JLTV on a side slope	Recongize angle of JLTV
				Reposition vehicle within angle parameters
				Open door with external assistance
				Utilize Technical Manual
	36	Crw-6	Replace a flat tire on JLTV	Gather tools and support equipment from BII
				Remove flat tire from wheel hub
				Dismount spare tire from the HGC variant

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				Dismount spare tire from GP variant
				Dismount spare tire from UTL variant
				Install new tire on wheel hub
				Remove flat tire to spare tire bracket
				Utilize Technical Manual
	37	Crw-7	Stow Combat Load	Stow equipment
				Stow ammunition
				Stow weapons
				Stow supplies
				Stow rations
Incidental CSDU Operator (ICDSUO)	38	ICDSUO-1	Operate Commanders Smart Display Unit (CSDU)	
				Activate CSDU
				Restart CSDU using Hot Start protocols
				Restart CSDU using Cold Start protocols
				Shut down CSDU
				Utilize CSDU external buttons/interfaces
				Adjust display settings
				Monitor CSDU activity/status
	39	ICDSUO-2	Configure Radios through the CSDU	Select the radio required using CSDU Menu controls
				Select and input radio frequencies and channels using CSDU Menu controls
				Select comm transmit path through multiple compatible antennas using CSDU Menu controls
	40	ICDSUO-3	Control radios using Radio/Intercom remote control	
	41	ICDSUO-4	Configure Blue Force Tracker (BFT) using CSDU Menu controls	Select Blue Force Tracker using CSDU Menu controls

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				Select comms path (EPLRS, BFT I/II, MTS) using CDSU Menu controls
				Download and utilize Blue Force Tracker Information using CDSU Menu controls
				Clear and Close Blue Force Tracker using CDSU Menu controls
	42	ICDSUO-5	Configure Command and Control Personal Computer (C2PC) using CDSU Menu controls	Select C2PC Tracker using CDSU Menu controls
				Select comms path using CDSU Menu controls
				Download and utilize C2PC Information using CDSU Menu controls
				Clear and Close C2PC using CDSU Menu controls
			Battle Command Core Services	
	43	ICDSUO-6	Display SA Video	Navigate to SA video using CSDU Menu controls
				Select the desired video system required using CSDU Menu controls
	44	ICDSUO-7	Operate CREW remote control	TBD
	45	ICDSUO-8	Operate Shot Detection System Kit	Select Shot Detection System using CDSU Menu controls
				Activate Shot Detection System using CDSU Menu controls
				Recognize Shot Detection Indication
	46	ICDSUO-9	Operate Light Vehicle Obscuratoin Smoke System (LVOSS)	
	47	ICDSUO-10	Navigate vehicle using CSDU compass	Navigate to compass using CSDU Menu controls

				Select compass required using CSDU Menu controls
				Monitor compass using CSDU Menu controls
TOW-ITAS/SABER Gunner (MOS 0352)	48	SABER-1	Display TOW-ITAS/SABER data on CSDU screen	Select and display TOW-ITAS/SABER video using CSDU Menu controls
Indirect Fire Control Operator (MOS 0811)	49	Arty-01	Operate Army Field Artillery Tactical Data System (AFATDS) (Artillery only) using CSDU Menu controls	Prepare AFATDS using CSDU Menu controls
				Perform basic AFATDS functions utilizing the CSDU interface
				Clear and Close AFATDS using CSDU Menu controls
				Maintain AFATDS software using CSDU Menu controls
CBRN Defense Operator (MOS 5711)	50	CBRN-1	Operate CBRN sensor using CSDU Menu controls	Prepare CBRN sensor using CSDU Menu controls
				Perform basic CBRN sensor functions utilizing the CSDU interface
				Clear and Close CBRN sensor using CSDU Menu controls
				Maintain CBRN sensor software using CSDU Menu controls
Radio Operator (MOS 0621)	51	Comm-1	Install C4I suite in JLTV	
	52	Comm-2	Prepare Commander Smart Display Unit for operation	Load crypto-logic fill
				Verify crypto-logic fill
				Load Blue Force Tracker (BFT)
				Load AFATDS
				Load Base Software
				Load Boomerang software
				Troubleshoot software loading problems

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				Configure CDSU to C4I suite
				Configure C4I to the unit communications plan
				Configure C4I to unit communication plan
				Configure C4I to primary application
				Configure Virtual Networking Controls (VNC)
	53	Comm-3	Operate the C4I network utilizing the CDSU interface	Perform basic C4I functions utilizing the CDSU interface
				Clear and Close C4I application(s) using CDSU Menu controls
				Maintain C4I application software using CDSU Menu controls
Cyber Network Operator (MOS 0651)	54	Cyber-01	Manage Network Configuration/Control	SME Input for subtask The system documentation needed to specify subtasks for this task is not yet available.
	55	Cyber-02	Manage Roles and Access	SME Input for subtask The system documentation needed to specify subtasks for this task is not yet available.
Unmanned Aerial System (UAS) Operator (MOS 7314/7315/7316)	56	UAS-01	Configure One System Remote Video Terminal (OSRVT)(UAV) using CDSU Menu controls	Select OSRVT Tracker using CDSU Menu controls
				Select comms path using CDSU Menu controls
				Download and utilize OSRVT Information using CDSU Menu controls
				Clear and Close OSRVT using CDSU Menu controls