

CMU Training Alignment with Naval RW Occupational Standards (OCCSTDs)

TaskID	Task Text	Paygrade
133202	Analyze robotic vehicle weight and balance calculations	E4
133203	Assess Robotic and Autonomous Systems (RAS) operating constraints (e.g., terrain, depth, altitude, distance limitations, etc.)	E4
133204	Calculate robotic vehicle fuel cell consumption (e.g., vehicle energy power sources for Robotic Undersea Vehicles (RUV), Robotic Surface Vehicles (RSV), small/medium Robotic Aerial Vehicles (RAV), etc.)	E4
133205	Configure robotic vehicle hardware (e.g., sensor integration, weight and balance, payload control modules, etc.)	E4
133206	Configure robotic vehicle software for operations (e.g., autonomy, payloads, patches/updates, etc.)	E4
133207	Employ Tactical Decision Aid (TDA) to forecast Robotic and Autonomous Systems (RAS) sensor effectiveness	E4
133208	Locate Robotic and Autonomous Systems (RAS) satellite assets	E4
133332	Maintain Robotic and Autonomous Systems (RAS) configuration control (e.g., software, firmware, patches, etc.)	E5
133337	Verify Robotic and Autonomous Systems (RAS) equipment inventories	E5
133209	Perform Robotic and Autonomous Systems (RAS) pre-mission checks	E4
133210	Prepare Robotic and Autonomous Systems (RAS) mission plans (e.g., Robotic Undersea Vehicles (RUV), Robotic Surface Vehicles (RSV), small/medium Robotic Aerial Vehicles (RAV), etc.)	E4
133211	Update Robotic and Autonomous Systems (RAS) navigational charts (e.g., National Oceanic Atmospheric Administration (NOAA), National Geospatial Agency (NGA), Notice to Mariners (NOTM), etc.)	E4
133228	Conduct launch/recovery of Robotic and Autonomous Systems (RAS) auxiliary equipment (e.g., support equipment, transponders, Gateway Buoy (GWB), Open Water Transport System (OWTS), etc.)	E4
133229	Employ robotic auxiliary systems (e.g., support equipment, transponders, Gateway Buoy (GWB), Open Water Transport	E4
133230	Employ robotic Command and Control (C2) systems (e.g., data link, acoustic communications, Radio Frequency (RF), etc.)	E4
133231	Employ robotic electrical/electronic systems	E4
133232	Employ robotic fuel/cell systems	E4
133233	Employ robotic navigation systems	E4
133234	Employ robotic perception systems (e.g., Light Detection and Ranging (LIDAR), Sound Navigation and Ranging (SONAR), Radio Detection and Ranging (RADAR), etc.)	E4
133235	Monitor Robotic and Autonomous Systems (RAS) performance (e.g., vehicle, control station, auxiliary equipment, etc.)	E4
133236	Perform Robotic and Autonomous Systems (RAS) coordination and reconnaissance operations (i.e., Surface Coordination and	E4
133237	Perform Robotic and Autonomous Systems (RAS) Intelligence, Surveillance, and Reconnaissance (ISR) operations (e.g., Pattern of Life (POL), Battle Damage Assessment (BDA), Intelligence Preparation of the Operational Environment (IPOE), etc.)	E4
133238	Perform robotic vehicle launch and recovery operations (e.g., Robotic Aerial Vehicles (RAV), Robotic Undersea Vehicles (RUV), small Robotic Surface Vehicles (RSV), etc.)	E4
133239	Pilot robotic vehicles (e.g., Robotic Ground Vehicles (RGV), Robotic Undersea Vehicles (RUV), Robotic Surface Vehicles (RSV), small/medium Robotic Aerial Vehicles (RAV), etc.)	E4
133240	Support small boat evolutions	E4
133241	Update Robotic and Autonomous Systems (RAS) parameters	E4
133249	Correlate contacts using multiple Robotic and Autonomous Systems (RAS) sensors (e.g., side-scan sonar, multi camera, Signal	E4
133250	Correlate Robotic and Autonomous Systems (RAS) multi-sensor data (e.g., side-scan sonar, multi camera, Signal Intelligence	E4
133251	Detect contacts using Robotic and Autonomous Systems (RAS) passive payloads/sensors	E4
133252	Employ robotic payload/sensor systems	E4
133253	Report real-time Robotic and Autonomous Systems (RAS) sensor contacts	E4
133259	Calibrate robotic electromechanical systems	E4
133260	Configure robotic communications systems	E4
133261	Configure Robotic and Autonomous Systems (RAS) electrical, electronic, and mechanical calibration equipment	E4
133262	Configure Robotic and Autonomous Systems (RAS) electronic components and devices	E4
133263	Configure Robotic and Autonomous Systems (RAS) navigation components	E4
133264	Configure Robotic and Autonomous Systems (RAS) network components	E4
133265	Configure robotic vehicle power plant systems (e.g., gas/diesel engine, electrical motor, fuel systems for Robotic Ground Vehicles (RGV), small/medium Robotic Aerial Vehicles (RAV)/Robotic Undersea Vehicles (RUV), small Robotic Surface Vehicles	E4
133266	Configure robotic vehicle structural components (e.g., frame, chassis, hydraulic, pneumatic systems for Robotic Ground Vehicles (RGV), small/medium Robotic Aerial Vehicles (RAV)/Robotic Undersea Vehicles (RUV), small Robotic Surface Vehicles	E4
133267	Document Robotic and Autonomous Systems (RAS) maintenance actions	E4
133268	Load robotic Communications Security (COMSEC) systems	E4
133269	Load Robotic and Autonomous Systems (RAS) image software	E4
133270	Maintain robotic Communications Security (COMSEC) system components	E4

133271	Perform corrective maintenance on robotic communications systems	E4
133272	Perform corrective maintenance on Robotic and Autonomous Systems (RAS) electrical circuits (e.g., Alternating Current (AC) circuits/Direct Current (DC) circuits, fiber optics, interconnecting cables/circuits, etc.)	E4
133273	Perform corrective maintenance on Robotic and Autonomous Systems (RAS) electronic components and devices (e.g., Robotic Undersea Vehicles (RUV), Robotic Ground Vehicles (RGV), Robotic Surface Vehicles (RSV), small/medium Robotic Aerial	E4
133274	Perform corrective maintenance on Robotic and Autonomous Systems (RAS) navigation components	E4
133275	Perform corrective maintenance on Robotic and Autonomous Systems (RAS) network components	E4
133276	Perform corrective maintenance on Robotic and Autonomous Systems (RAS) structural components (e.g., frame, chassis, hydraulic, pneumatic systems for Robotic Ground Vehicles (RGV), small/medium Robotic Aerial Vehicles (RAV)/Robotic	E4
133277	Perform corrective maintenance on robotic vehicle power plant systems (e.g., gas/diesel engine, electrical motor, fuel systems for Robotic Ground Vehicles (RGV), Robotic Undersea Vehicles (RUV), small/medium Robotic Aerial Vehicles (RAV),	E4
133278	Perform Micro-Miniature (2M) repairs	E4
133279	Perform preventative maintenance on robotic communications systems	E4
133280	Perform preventative maintenance on robotic electromechanical systems	E4
133281	Perform preventative maintenance on Robotic and Autonomous Systems (RAS) electrical circuits (e.g., Alternating Current (AC) circuits/Direct Current (DC) circuits, fiber optics, interconnecting cables/circuits, etc.)	E4
133282	Perform preventative maintenance on Robotic and Autonomous Systems (RAS) electronic components and devices	E4
133283	Perform preventative maintenance on Robotic and Autonomous Systems (RAS) navigation components	E4
133284	Perform preventative maintenance on Robotic and Autonomous Systems (RAS) network components	E4
133285	Perform preventative maintenance on Robotic and Autonomous Systems (RAS) structural components (e.g., frame, chassis, hydraulics, pneumatic systems, etc.)	E4
133286	Perform preventative maintenance on robotic vehicle power plant systems (e.g., gas/diesel engines, electrical motors, fuel	E4
133310	Manage Robotic and Autonomous Systems (RAS) test equipment calibration programs (e.g., load bearing, tools, scales, etc.)	E5
133288	Set up Robotic and Autonomous Systems (RAS) electrical circuits (e.g., Alternating Current (AC) circuits/Direct Current (DC) circuits, fiber optics, interconnecting cables/circuits, etc.)	E4
133289	Test robotic communications systems	E4
133290	Test robotic electromechanical systems	E4
133291	Test Robotic and Autonomous Systems (RAS) analog and digital General Purpose Electronic Test Equipment (GPETE)	E4
133292	Test Robotic and Autonomous Systems (RAS) electrical circuits (e.g., Alternating Current (AC) circuits/Direct Current (DC) circuits, fiber optics, interconnecting cables/circuits, etc.)	E4
133293	Test Robotic and Autonomous Systems (RAS) electrical, electronic, and mechanical calibration equipment	E4
133294	Test Robotic and Autonomous Systems (RAS) electronic components and devices	E4
133295	Test Robotic and Autonomous Systems (RAS) navigation components	E4
133296	Test Robotic and Autonomous Systems (RAS) network components	E4
133212	Analyze environmental effects on Robotic and Autonomous Systems (RAS) sensors and weapons	E5
133213	Brief Robotic and Autonomous Systems (RAS) mission plans	E5
133215	Develop Robotic and Autonomous Systems (RAS) mission plans	E5
133217	Plan Robotic and Autonomous Systems (RAS) map or chart annotations (e.g., exclusion zones, Points of Interest (POI), Notice	E5
133218	Validate Robotic and Autonomous Systems (RAS) mission plans	E5
133219	Validate robotic vehicle readiness and configurations (e.g., hardware, software, pre-mission check, log book review, payloads,	E5
133297	Test Robotic and Autonomous Systems (RAS) Special Purpose Electronic Test Equipment (SPETE)	E4
133298	Test robotic vehicle power plant systems (e.g., gas/diesel engines, electrical motors, fuel systems, etc.)	E4
133299	Test robotic vehicle structural components (e.g., frame, chassis, hydraulics, pneumatic systems, etc.)	E4
133300	Troubleshoot robotic Communications Security (COMSEC) system components	E4
133301	Troubleshoot robotic communications systems	E4
133302	Troubleshoot robotic electromechanical systems	E4
133303	Troubleshoot Robotic and Autonomous Systems (RAS) electrical circuits (e.g., Alternating Current (AC) circuits/Direct Current (DC) circuits, fiber optics, interconnecting cables/circuits, etc.)	E4
133304	Troubleshoot Robotic and Autonomous Systems (RAS) electronic components and devices	E4
133305	Troubleshoot Robotic and Autonomous Systems (RAS) navigation components	E4
133306	Troubleshoot Robotic and Autonomous Systems (RAS) network components	E4
133307	Troubleshoot Robotic and Autonomous Systems (RAS) structural components (e.g., frame, chassis, hydraulic, pneumatic systems for Robotic Ground Vehicles (RGV), small/medium Robotic Aerial Vehicles (RAV)/Robotic Undersea Vehicles (RUV),	E4
133308	Troubleshoot robotic vehicle power plant systems (e.g., gas/diesel engine, electrical motor, fuel systems for Robotic Ground Vehicles (RGV), Robotic Undersea Vehicles (RUV), small/medium Robotic Aerial Vehicles (RAV), small Robotic Surface Vehicles	E4

133314	Archive Robotic and Autonomous Systems (RAS) data (e.g., log file, mission file, sensor, etc.)	E4
133315	Disseminate Robotic and Autonomous Systems (RAS) reports (e.g., Acoustic Intelligence (ACINT), Post Mission Data (PMD), asset positions, Image Intelligence (IMINT), etc.)	E4
133316	Download Robotic and Autonomous Systems (RAS) data (e.g., log file, mission file, sensor, etc.)	E4
133317	Generate Robotic and Autonomous Systems (RAS) reports (e.g., Acoustic Intelligence (ACINT), Post Mission Data (PMD), asset positions, Image Intelligence (IMINT), etc.)	E4
133318	Process Robotic and Autonomous Systems (RAS) data (e.g., log file, mission file, sensor, etc.)	E4
133322	Comply with naval cryptologic and national security requirements (e.g., physical security, Information Security (INFOSEC), Communication Security (COMSEC), Operational Security (OPSEC), and directives and instructions associated with Secret	E4
133323	Interpret Robotic and Autonomous Systems (RAS) technical briefs, notices, and bulletins	E4
133324	Inventory Maintenance Assistance Modules (MAM) (i.e., medium/large Robotic Surface Vehicles (RSV))	E4
133325	Inventory Robotic and Autonomous Systems (RAS) Communications Security (COMSEC) materials	E4
133326	Inventory Robotic and Autonomous Systems (RAS) controlled equipment (e.g., Night Vision Goggles (NVG); laser designators; Arms, Ammunition, and Explosives (AA&E), etc.)	E4
133327	Inventory Robotic and Autonomous Systems (RAS) equipment	E4
133328	Report Robotic and Autonomous Systems (RAS) Communications Security (COMSEC) discrepancies	E4
133242	Manage robotic single-vehicle operations	E5

Color Key	
	White = No Coverage
	Dark Green = Coverage
	Light Green = Generalized Coverage