

AIMM ICC Purchase Request

For April 2025 Challenge

		Qty Per Team
Computer:		
Raspberry Pi 4 Model B	Raspberry Pi 4 Model B - 4GB DDR4 - Micro Center	5
Jetson AGX Orin Industrial	Amazon.com: NVIDIA Jetson AGX Orin 64GB Developer Kit : Electronics	1
Arduino Nano 33 BLE Rev2	Arduino Nano 33 BLE Rev2 — Arduino Online Shop	10
Vis Camera:		
OAK-D Pro W	OAK-D Pro W PoE – Luxonis	1
Zed – 2i (with polarizer, 2.1mm focal length, 5m cord)	Cart Stereolabs	2
IR Camera:		
FLIR Boson+ 320 (Consumer, 92deg, 2.3mm)	FLIR Boson 320 – GroupGets	1
Boson - USB VPC Kit	Boson - USB VPC Kit – GroupGets	1
Boson - USB/Analog VPC Kit	Boson - USB/Analog VPC Kit – GroupGets	1
Boson - Tripod Mount	Boson - Tripod Mount – GroupGets	1
Boson - Lens Focus Tool	Boson - Lens Focus Tool – GroupGets	1
Water Level Sensor:		
Bar30 High-Resolution 300m Depth/Pressure Sensor	Depth/Pressure Sensor for 300m (1000 ft) Depth with 2mm Resolution (bluerobotics.com)	4
Lidar:		
Ouster OS0-32		1
Radar:		
SimRAD	Simrad HALO20 20" Radar Dome w/10M Cable Radars NVN Marine	1
GPS:		
Sparkfun Breakout NEO M9N	SparkFun GPS Breakout - NEO-M9N, Chip Antenna (Qwiic) - GPS-15733 - SparkFun Electronics	1
Gyro/Accelerometer:		
Sparkfun triple axis accelerometer/gyro	SparkFun Triple Axis Accelerometer and Gyro Breakout - MPU-6050 (SEN-11028): Sensor Blocks: Amazon.com: Industrial & Scientific	1
WiFi Card and Access Point:		
SX-PCEAX-M2-SP Wi-Fi 6E Module	SX-PCEAX-M2-SP Silex Technology Mouser	2
WoMaster LR AP	WoMaster WA212BP Long Range Access Point Free Shipping (westwardsales.com)	1
Motor:		
Endura	Endura - Minn Kota (johnsonoutdoors.com)	2
Trailer & Dolly:		
Malone EcoLight 1-Boat Kayak Trailer Package	Amazon.com : Malone EcoLight 1-Boat Kayak Trailer Package : Sports & Outdoors	1

Trailer Valet RVR5 RC Trailer Dolly,Wireless Remote	Trailer Valet RVR5 Remote-Controlled Trailer Dolly - Wireless Remote - 5,500 lbs Trailer Valet Trailer Dolly TVRVR5 (etrailer.com)	1
Tow Tuff 1,000 lb Capacity	amazon.com/Tow-Tuff-Adjustable-Trailer-Caster/dp/B0079YMIFA?th=1	1
Weights:		
1000lb Fray Crumb Rubber Bumper Plate Set	1000lb Fray Crumb Rubber Bumper Plate Set – FrayFitness	1
Batteries:		
Batteries: 12V 100AH Group 24	Amazon.com: BtrPower 12V 100Ah Mini LiFePO4 Battery with Small Size and Light Weight, Built-in 100A BMS and Grade A Cells, Up to 15000 Cycles & 10-Year Lifespan for RV, Solar, Trolling Motor & Camping. : Automotive	3
Wiring and Waterproofing:		
Acrylic Dome	Amazon.com : LOTOWELZON Clear 4Inch/100mm Acrylic Indoor/Outdoor CCTV Replacement Camera Dome Cover Security Camera Housing Surveillance Camera Cover : Electronics	1
M3 Bolts	Alloy Steel Socket Head Screw, Black-Oxide, M3 x 0.5 mm Thread, 15 mm Long McMaster-Carr	1
M3 Nuts	Medium-Strength Steel Nylon-Insert Locknut, Class 8, Zinc Plated, M3 x 0.5 mm Thread, 4 mm High McMaster-Carr	1
Servo Extension Pack	Amazon.com: Apex RC Products JR Style 24" / 600mm Servo Extension - 5 Pack #1022 : Toys & Games	1
Junction Box	TICONN Waterproof Electrical Junction Box IP67 ABS Plastic Enclosure with Hinged Cover with Mounting Plate, Wall Brackets, Cable Glands (Clear, 13.8"x9.8"x5.9") - Amazon.com	1
Cable Gland kit	QILIPSU NPT Cable Gland Kits, Strain Relief IP68 Waterproof Nylon Cord Connector, 1/4" 3/8" 1/2" 3/4" 32pcs Wire Pass Through Grip (NPT Kits 32pcs) - Amazon.com	1
Velcro	Amazon.com: 2 Inch x 26 Feet Hook and Loop Tape Sticky Back Fastener Roll, Nylon Self Adhesive Heavy Duty Strips Fastener for Home Office School Car and Crafting Organization : Arts, Crafts & Sewing	1
Super Glue	Amazon.com: Loctite Super Glue Gel Control, Clear Superglue for Plastic, Wood, Metal, Crafts, & Repair, Cyanoacrylate Adhesive Instant Glue, Quick Dry - 0.14 fl oz Bottle, Pack of 2 : Industrial & Scientific	1
Zip Tie Saddles	Amazon.com: 100 Pcs Cable Zip Tie Saddle Type Mounts Base with 8" Cable Ties Tapping Screw, Wire Cable Clips Organizer Holders Clamps White : Electronics	1
USBA Extension Cable	amazon.com/AmazonBasics-Extension-Cable-Male-Female/dp/B00NH11PEY/ref=sr_1_2?crd=3MBNSNYJ7KI8V&keywords=usb%2Ba%2Bfemale%2Bto%2Bmale%2Bextension%2Bcable%2Busb%2B2.0&qid=1690889352&sprefix=usb%2Ba%2Bfemale%2Bto%2Bmale%2Bextension%2Bcable%2Busb%2B2.0%2Caps%2C83&sr=8-2&th=1	1
Male DC Power Plug Connector	amazon.com/dp/B07DJ63MJP?linkCode=ssc&tag=onamzjetsonha-20&creativeASIN=B07DJ63MJP&asc_item-id=amzn1.ideas.2WYYMHdV0VVNZ&ref =aip sf list spv ofs d asin&th=1	1

Ruby Red	Amazon.com : Taylor Made Super Gard Boat Fender, Ruby Red (10.5" x 30") Double-Molded Ends, Ribbed Technology to Minimize Roll, Rubber Football Needle Inflation Valve, Marine-Grade Vinyl, 5/8" Eyelets - 955128 : Taylor Made Buoy : Sports & Outdoors (menlosecurity.com)	2
Lime Green	Amazon.com : Taylor Made Super Gard Boat Fender, Lime Green (10.5" x 30") Double-Molded Ends, Ribbed Technology to Minimize Roll, Rubber Football Needle Inflation Valve, Marine-Grade Vinyl, 5/8" Eyelets - 974128 : Sports & Outdoors (menlosecurity.com)	2
Blue	Amazon.com : Taylor Made Super Gard Boat Fender, Mid Atlantic Blue (10.5" x 30") Double-Molded Ends, Ribbed Technology to Minimize Roll, Rubber Football Needle Inflation Valve, Marine-Grade Vinyl - 951128 : Sports & Outdoors (menlosecurity.com)	1
Blaze Orange	Amazon.com : Taylor Made Super Gard Boat Fender, Blaze Orange (10.5" x 30") Double-Molded Ends, Ribbed Technology to Minimize Roll, Rubber Football Needle Inflation Valve, Marine-Grade Vinyl - 730128 : Sports & Outdoors (menlosecurity.com)	1
Cranberry	Amazon.com : Taylor Made Super Gard Boat Fender, Burgundy (10.5" x 30") Double-Molded Ends, Ribbed Technology to Minimize Roll, Rubber Football Needle Inflation Valve, Marine-Grade Vinyl, 5/8" Eyelets - 953128 : Sports & Outdoors (menlosecurity.com)	1
Yellow	Amazon.com : Taylor Made Super Gard Boat Fender, Yellow (10.5" x 30") Double-Molded Ends, Ribbed Technology to Minimize Roll, Rubber Football Needle Inflation Valve, Marine-Grade Vinyl, 5/8" Eyelets - 958128 : Sports & Outdoors (menlosecurity.com)	1
White	Amazon.com : Taylor Made Products Super Gard Inflatable Vinyl Boat Fender : Sports & Outdoors (menlosecurity.com)	1
Black	Amazon.com : Taylor Made Super Gard Boat Fender, Black Onyx (10.5" x 30") Double-Molded Ends, Ribbed Technology to Minimize Roll, Rubber Football Needle Inflation Valve, Marine-Grade Vinyl, 5/8" Eyelets - 952128 : Taylor Made Super Gard Fender : Sports & Outdoors (menlosecurity.com)	1
Miscellaneous		
Soldering iron	amazon.com/MiMmy-Milwaukee-2488-21-Cordless-Soldering/dp/BOCSXPQ7FZ/ref=sr_1_1?crd=1KB8C8UEEHVOW&dib=eyJ2ljojMSJ9.Ww26mxXPIJQYeYzMqnS-72nBtPWDR2Of6fTS2wBg5qPWD4felVYfj-vC5Lr6OHIM1G-1bLvBGdmAVPHZfszPP1NfjpYJaGSnaYrtjD9fpXeo9qhMmnDjo7CWXL-cCvhkDi3tCYSC79gLV5a-KkGFBY1N-l-prafj4XUlyfm7SmDicGOWK5WwnsuDUUnBHZsWo85XCfIpV7JRDxrqkJJlRyfMAA0nz2SkFABw4iTJcZpv7G5_S1m4x4IHulgfDz0EIrHMoQ48WB3rUVw45uaH44-KrX04DVboh-JyUyYoRE.tQINHIFPoOQusU8Jl1HbjxHfrsFoyWt41Ypwo-u4R_8&dib_tag=se&keywords=mimmy+soldering+iron+kit+-+2PK+w%2Fdrill+bits+and+storage+racks&qid=1725020290&srefix=mimmy+soldering+iron+kit+-+2pk+w%2Fdrill+bits+and+storage+racks%2Caps%2C87&sr=8-1	1

Drill, milwaukee 3697-22 (2-Tool)	amazon.com/Milwaukee-3697-22-Lithium-Ion-Brushless-Batteries/dp/B0BB8FDVLQ/ref=sr_1_1_mod_primary_new?crd=1JE5REURU1L9B&dib=eyJ2IjoiMSJ9.Lwel7bi8gCC1zbaJVrTmhk3cvulqwNbD6vr_8HF_-J0eQweb60BODh91W3gfZvZiKjZr7INAMHkhw3HTz4rWpR60Auyy-aGk8gBGyDe30Kv4cPbn2QJVIOUCEPOiF4q2s-2R9oJ9FWHLvleH100bRiWv8ShGY7aYQkh7stEJGX0pQ7YbolPkD7dII9w6KKYi6d_EER8y9-FzaeqUXSSbNWqf0PdKwn3dHCEqHPuA1N76vDUUC7GQ5ZKm256_8PL.Q3iGA29B0IXqeDFxdpSiA8cytR3dGOWTVFAXYjc99YY&dib_tag=se&keywords=milwaukee+3697-22&qid=1725020405&sbo=RZvfv%2F%2FHxDF%2BO5021pAnSA%3D%3D&sprefix=milwaukee+3697-22+%2Caps%2C162&sr=8-1	1
Hip Waders, heather grey	amazon.com/BASSDASH-IMMERSE-Breathable-Stocking-Lightweight/dp/B09CM4KHZ2/ref=sr_1_3?dib=eyJ2IjoiMSJ9.z-7LZ9u4kTLPShbFk6WNTJZKnYdJMSm2PsZkoBDeU-wtMQD2XP4XDuoQ3tLPriKr5U1o5A3qi_trdRB55CAkwXde1P8GUN9VC0Gq0PkcVXXc9EvWIRSV0YQO5rel3gqlBatMf_Noy7am5gSjbXQhTLOH2T5nWXsxcR4gqdhHD1-U1QCwYRP_c3DfHI6vR4RcdPZf5Z3tNM8LiAHJGZ9gT2Vw9BQQxi5ndHbn0Fy9apGnLETEIfYCrci5NOxpXhUZYB6oxoUfQxyPQvksxWKxan7BI12IkKgdpiAGhgjD13g.BlylqKsKgmBNTNQBEIYgcnXP4nmWkD6YYJHVgwC1jU&dib_tag=se&keywords=bassdash+3d+boot+foot+game+wader+ultra+high+strength+black+p-laid+nylon+PVC&qid=1725019151&sr=8-3	2
Mocotono inflatable life jacket, blue	amazon.com/MOCOTONO-Inflatable-Jacket-Automatic-Manual/dp/B085VWM2P3/ref=sr_1_1?crd=150K2J1PQVFMD&dib=eyJ2IjoiMSJ9.PsMrn3yPgNt7i8GprsfWoPWqDdz_zVOeFEGFACToYiZ9UfNXe6e1G86epmPYDEIPvo_XJvzHIKScw8AR3Gk0Dg58To1ER9eq2Cr2hMRIE4_NZfFDDsbPc22x5T5eViC9fh5ZK1W5IH0YoRyEHChb5qtu7rHYBAx-GEpm4pSuC9F6YDiFhf1CvKxob3kUGnVhVhh7NVDuH0ovEXejfxAPeiOFdBL8B5QBSu-tQSHVAA8.K7o-y5vdRJsZ_nhbKkzPSFwgxKoBDQZDQ4mxMwlj0A0&dib_tag=se&keywords=mocotono+inflatable+life+jacket%2C+automatic%2Fmanual+inflatable+pfd+life+vest+for+adult&qid=1725014466&sprefix=mocotono+inflatable+life+jacket%2C+automatic%2Fmanual+inflatable+pfd+life+vest+for+adu%2Caps%2C312&sr=8-1	At event
Floating Dock	amazon.com/VEVOR-Inflatable-Floating-Dock-Trampoline/dp/B0D2R8MK9C/ref=sr_1_9?crd=9RQEVQ22Zi87&dib=eyJ2IjoiMSJ9.Sol6SRH8egRL4oGAgQlf5W0uo_742NVG-bstofubfAO3sgqsf1SrorArISqfIFeYUNqagq9aHzTqq0qFpX_zMLGJRxMtam0jzYOnyRQfXVLOGSJMqzSKzUiRj2vIXisE29POuNBTwNObPnGTjIXVI5cHCx1iUrDnSJar9xFotU7WAVKWklapsu3TG8-RhixiwaFLMbjVXVV5gN1d4ZfKOHee-DD7WfGeCDMRa52by25OOXhspQ1EKOQxp2Fp-2QPw3UQZk4Uackz3-0u6hmcpKCylH-mWlpLM8bIR402c.vdnSJW8q2DU9fdWjkJ0BnvabsagJ4RTldy9SQby_xX4&dib_tag=se&keywords=vevor+inflatable+floating+dock+10+ft&qid=1725013250&sprefix=vevor+inflatable+floating+dock+10+ft%2Caps%2C314&sr=8-9	At event

<p>NERF Vortex Howler Foam Football Red</p>	<p>amazon.com/NERF-Vortex-Aero-Howler-Flight-Optimizing/dp/B08P295C9G/ref=sr_1_1_sspa?crd=5S01XQUULDSS&dib=eyJ2ljojMSJ9.q3XhPe_3WANtxzZ3ROjd2W9OBfdeE537WKwizzL7VqdnltCbizi4KizsTX7IXV5otKNrMogQ8XLwek_5PhiQkEQtTxXqHyZuotFBWgrzYW7lQ4lCOdkwv5w4XfwzY4qWD5PXeKJrAd3X9HHvvQl3hVXR3dZwvLf4LRbpyOdvx0Y9sPUFwV5PujLPmYnQoxleQdktuxY7kx6cfTDkY8CG6C1DG-z_XQQtgrtLtHlw5Z_IKMfRAuVWee2sLw4QXkDygW3MKOqB4jaMnRlcoPKBo1Abuqu-968eFvDasP4flUM.eOtcxRt51z5DvnFNk2ZMshFvI5_iLXC8DPum2En6u8w&dib_tag=se&keywords=nerf+vortex+aero+howler+foam+football&qid=1725013375&sprefix=nerf+vortex+aero+howler+foam+footb all%2Caps%2C260&sr=8-1-spons&sp_csd=d2lkZ2V0TmFtZT1zcF9hdGY&psc=1</p>	<p>1</p>
<p>Hard Case, Portable Weather Waterproof Protective C</p>	<p>Amazon.com : Jack Boss 14x 11.5x 6 Inch Hard Case, Portable Weather Waterproof Protective Camera Case with Customizable Foam, Fit Use of Drones, Camera, Equipments, Yellow : Electronics</p>	<p>1</p>