CHEROKEE COUNTY PURCHASE REQUISITION

(THIS IS NOT A PURCHASE ORDER)

REQ DATE: August 20, 2020

REQUESTER NAME/EXT: Major T.K. Pinyan

SHIP TO CODE: _____

REQUISITION NO.: _____ (IF APPLICABLE)

REQUESTER DEPARTMENT: Cherokee SO

VENDOR NO.: _____

DEPT/AGENCY DIRECTOR APPROVAL: _____

APPROVAL DATE: _____

PO NUMBER: _____ **(PROCUREMENT DEPT USE ONLY)**

VENDOR NAME/ADDRESS:
ICOR Technology
935 Ages Drive, Ottawa, ON K1G 6L3

ACCOUNT NUMBER			QTY	UNIT OF ISSUE	UNIT PRICE	DESCRIPTION (MODEL #, ITEM#, MAKE, ETC.)	TOTAL COST
ORG	OBJECT	PROJECT					
			1	1	$48,500.00	Mini-Caliber Robot	$48,500.00
			1	1	$4,150.00	Mini Claw Kit-2nd Generation	$4,150,.00
			1	1	$5,950.00	Mini-Caliber RF Range Exteneder	$5,950.00
						SHIPPING & HANDLING CHARGES (IF APPLICABLE)	$950.00
						TAX (IF APPLICABLE)	

TOTAL REQUISITION AMOUNT $ 59,550.00

PURCHASING APPROVAL/DATE: _____

COUNTY MANAGER APPROVAL/DATE: _____

SPECIAL INSTRUCTIONS:

Sole Single Source Documentation Attached

QUOTE INFORMATION (WRITTEN QUOTES TO BE ATTACHED)

	SOURCE/VENDOR	DATE	AMOUNT
1			
2			
3			

ICOR TECHNOLOGY
935 Agar Drive
Ottawa, ON K1G 6L3
CANADA
P: 613.745.3600
F: 613.745.3590
TF: 877.483.7978
www.icortechnology.com
sales@icortechnology.com

QUOTE

To
Olen Boughner
Cherokee County Sheriff's Office (GA)
498 Chattin Dr
Canton, GA 30115

Tel:
Fax:
Mobile: (678) 758-0421
Email: ojboughner@cherokeega.com

QUOTE NO.:	QUO-03245-B2L5-0
DATE:	8/12/2020
EXPIRATION DATE:	11/12/2020
CURRENCY:	US Dollar
SHIPPING METHOD:	Ground
SHIPPING TERMS:	FOB - DESTINATION
DELIVERY DATE:	As Soon As Possible
PAYMENT TERMS:	Net 30

QTY	P/N	DESCRIPTION	$/UNIT	LINE TOTAL
1.0	CAL-MINI	Mini-CALIBER® Robot Comes standard with: • Rubber Tracks for traversing rough terrain and climbing stairs • Wirelessly Controlled Front and Rear Flippers with positional feedback with preset Home and Stair Climbing positions • Turreted Robotic Claw arm with 15lbs lift and 5 axes of movement • 10x Color zoom camera on claw arm • Front and Rear Color/IR Drive Cameras • Wide Angle color rear mast camera • Color Claw camera • 2-Way Audio: Talk/Listen through the robot • LED drive lights for Front and Mast Cameras • Wireless RF control: 2.4GHz Video; 900MHz Data • Portable, Lightweight, Handheld Controller • 2x 24V DC Lithium-Iron-Phosphate Robot Battery Packs (1x onboard; 1x spare) & 1x 24V DC Battery Charger • 2x 12V DC Lithiun-Ion CCU Battery Packs (1x onboard; 1x spare) & 1x 12V DC Battery Charger • 2 year limited warranty • Mini-iPad electronic manual with training videos and hard copy of operator manual. *Note: Mini-CALIBER is shipped in a wooden crate. Hardshell case is available as an option.	$48,500.00	$48,500.00
1.0	13153	Mini-CALIBER® RF Range Extender (Video/Data) Increase the wireless operating Video/Data range of your Mini-Caliber robot with the Mini-CALIBER RF Range Extender. Mounted on a portable tripod (additional suction cup and magnetic mounts included), an additional transmitter and receiver can be directly connected to the CCU using a 20' (6m) of hardwire tether. Key uses include: extending RF range; ability to have antennae's mounted outside armored vehicles. Includes one CAL-EB3 MINI CCU battery pack. Battery charger not included, as system uses CAL-BC2 Mini CCU Battery Charger included with robot. Note: Available on new Mini-CALIBER robots only.	$5,950.00	$5,950.00
1.0	10003	Mini Claw Kit - 2ND Generation The 2nd generation claw attachment kit includes specially designed tools to augment the capabilities of the Mini-CALIBER® robot. Kit includes: key holder, PTZ camera extension to reach 9' (3m) high, box cutters, clothes cutter, extension poles, tire deflator, finger extension with porcelain tips, cutting hook, utility shears with ceramic blades, Cutabiner®, multiple effectors and hook & line accessories.	$4,150.00	$4,150.00
0.0	13895	500' Tether Reel kit - Mini RF Range Extender Used in conjunction with the Mini-CALIBER RF Range Extender (PN 13153) the 500 ft. (150m) tether reel extension cable allows users to place the MINI-CALIBER video and data antennas 500 ft. (150m) from the CCU. This will increase the users operating distance enabling LOS around corners; increasing range of operations inside buildings/parking garages by placing RF antennas inside a structure. Includes a tripod. Note: must be purchased with PN 13153.	$3,950.00	$0.00
0.0	CAL-OP016	Quick Release FLIR Camera FLIR Thermal Imaging Camera for the CALIBER® Robot (MK3/T5/Mini); Mounts to the Quick Release PTZ Mast (zoom not available); Wide Field of View (H49° x V39°) with an effective detection range up to 230m (750ft)	$7,550.00	$0.00

0.0	CAL-CPV	Command Post Video Transmitter Transmit video images from the robot Command and Control Unit (CCU) to the Incident Command Post using the Command Post Video Transmitter. System allows images to be transmitted up to four iOS enabled devices (iPhone, ipad). Includes, one HD transmitter, one Mini-iPad, router, antennas, battery, chargers and backpack. Approximately 3 hour run time.	$5,950.00	$0.00
0.0	CAL-PSA	Portable Handheld Screen (Analog) The CALIBER®'s Portable Handheld Screen is ideal for SWAT entry teams that want to see what the robot operator is viewing on the CCU screen. Available for analog RF System	$4,045.00	$0.00
0.0	10458	Claw Auxiliary Camera - Mini Increase your situational awareness while using your manipulator with the addition of the Claw Auxiliary Camera for your Mini-CALIBER®. This ultra-versatile mount has a fully adjustable folding arm that connects a camera to the claw housing. Fully configurable to provide the best viewing angle while using tools from the optional CALIBER® Claw Attachment Kit (PN: 10003). Note: Available for the Mini-CALIBER® only.	$1,400.00	$0.00
0.0	ASY-000-001	Mini-CALIBER® Window Breaker Small battery powered tool used by the Mini-CALIIBER® to break a glass window. It is turned on by pressing the tip on the glass window.	$1,385.00	$0.00
0.0	12627	MINI Quick Release Color IR Camera Optional Colour / IR (infra red) Camera for the Mini-CALIBER® Robot (CAL-Mini); used in place of zoom camera on claw mount.	$950.00	$0.00
0.0	CAL-K4300-12IC	Tactical-Swat Disrupter Kit This 12 gauge 12 inch barrel disrupter is used for tactical purposes. The barrel is made from titanium and has an ACME threaded muzzle end to accept the standard T3 disrupter smooth bore and rifle bore tips. it can be fired as a 12 inch disrupter with a plastic thread protector on the muzzle end threads. It is not designed to use water as a 12 inch disrupter, but can fire water shots if used with the 3 smooth bore tip.This disrupter uses the standard T3 disrupter breech cap and plug. It can be used in any standard PAN clamp. The muzzle end is larger than a standard PAN muzzle, so an over the barrel PAN laser will not fit. You must use a bore sight laser or a larger over the barrel laser adapter. 4300-12 TACTICAL BARREL (12" TITANIUM) 1 4341 T3 PRO BREECH CAP 1 K4350PL PUSH LOCK BREECH PLUG-Assembled 1 7100 SHELL EXTRACTOR 1 7280 WATER BOTTLE 1 K3095T RED AND BLACK PUGS (15 EA) 1 4330 T3 THREAD PROTECTOR 1 2001 SEATING TOOL 1 7110 FIRING PIN TOOL 1 7250PL 7/16 NUT DRIVER 1 K3010PL PUSH LOCK BREECH PARTS KITContains: (4)Push Lock Y Fittings; (2)Push Lock Couplings; (2)Firing Pins;(3)Springs; (1)Push Lock Fitting 1 2045 GUN BORE CLEANING KIT 1 3130 WD-40 1 K3150 ROBOT DISRUPTER SLEEVE (W/GREN LASERS) with Mini-CALIBER mount 1 3153 8' PARACORD LANYARD 1	$4,500.00	$0.00
0.0	10002	K3150 Robot Disrupter Sleeve The Ideal Products Inc Robot Disrupter Sleeve kit allows for the integration of a 12in Tactical, 18in T3 or 24in PAN disrupter onto a Mini-CALIEBR® robot or tripod stand. Allows the disrupter to dislodge upon firing to reduce recoil on robot. Mounts on a Picatinny rail. Comes equipped with two self-powered dot green lasers used for aiming. Requires ICOR p/n: 10001 - MINI arm Picatinny Rail Assembly, for Mini-CALIBER robot operation. Shipped in a cardboard box, includes laser adjusting tool. (For Mini Only; Disrupter not included; Requires P/N: CAL-OP002 for operation)	$2,850.00	$0.00
0.0	10001	MINI arm Picatinny Rail Assembly Includes a clamp and Picatinny rail base plate which can be permanently attached to the Mini-CALIBER® arm with a quick disconnect Picatinny clamp extension assembly. Instruction manual and mounting hardware included. Packaged in a cardboard box. For use with P/N 10002 - K3150 Robot Disruper Sleeve.	$350.00	$0.00
0.0	CAL-OP001	Firing Circuit 24V DC Firing Circuit for Mini-CALIBER® Robot	$1,050.00	$0.00
0.0	CAL-OP002	Firing Circuit AND Duke Pro 24V DC Firing Circuit AND Duke Pro Single Channel Shock Tube Initiator with mounting bracket for Mini-CALIBER® Robot	$2,260.00	$0.00
0.0	CAL-125RC	12.5MM RC DISRUPTOR MOUNT Disruptor Mount w/ 24V DC Firing Circuit for Mini-CALIBER® Robot - includes Camera and Green Lasers for sighting. The mount integrates with Proparms RC 12.5mm, AB Precision Needle Plus, and Ideal Products .357 Magnum Note: the disrupter is not included	$2,680.00	$0.00

0.0	CAL-OP014	Mini-CALIBER case Mini-CALIBER hardshell transit case wtih custom cut foam and tie downs to secure robot. Note: the transit case only holds the Mini-CALIBER robot. There is a separate hardshell case for the CCU.	$1,570.00	$0.00
0.0	CAL-SP2	Mini Basic Spare Parts Kit Essential items to maintain and repair your Mini-CALIBER® robot	$1,575.00	$0.00
0.0	CAL-MDVR	Digital Video Recorder (DVR) for Mini-CALIBER Capture Video images from your Mini-CALIBER CCU. 1080p HD video recording and picture capture up to 320GB of MPEG-4 video and/or JPEG images. Onboard 5" (12.7cm) LCD Screen for quick review of recorded images and video. (Available for MK3, T5, or Mini)	$1,950.00	$0.00
0.0	CAL-EB2	24V DC Battery Pack - Mini Spare/Replacement 24V DC Battery Pack for Mini-CALIBER® Robot Includes: 2x 12.8V / 9.6 AH LiFePO4 Replacement battery for use with the Mini-CALIBER® Robot (note: The Mini-CALIBER® uses 2 LiFePO4 batteries for 24V operation)	$625.00	$0.00
0.0	CAL-EB3	CCU Battery - Mini Spare/Replacement 11.1V / 7.8Ah Li-Ion for use with the Mini-CALIBER® CCU	$155.00	$0.00
0.0	CAL-BC3	Robot Battery Charger - Mini Spare Mini-CALIBER robot dual battery charger.	$195.00	$0.00
0.0	CAL-BC2	CCU Battery Charger - Mini Spare Mini-CALIBER CCU battery charger with re-calibration function.	$300.00	$0.00
0.0	10478	Extended Warranty - Mini CALIBER® Robot Extended Warranty. Add an additional year (3rd Year) to the standard 2 year warranty. (Available for Mini-CALIBER)	$5,250.00	$0.00
0.0	CAL-TTC-MINI	Mini-CALIBER® ROBOT ONSITE TRAINING at Customer Location Eight (8) hour Operation, Maintenance, and Troubleshooting Course for one or two robots. Includes travel and accommodations for ICOR Technician. Consists of hands-on instruction for up to ten operators, and a classroom presentation for unlimited participants.	$3,000.00	$0.00
1.0	S&H	SHIPPING AND HANDLING	$950.00	$950.00
			SUBTOTAL	$59,550.00
			APPLICABLE LOCAL TAXES	
			TOTAL	$59,550.00

This is a quotation on the goods named, subject to the conditions noted below:
Unless otherwise provided: This quote is in US Dollars; shipping terms are EX WORKS for domestic and international shipments; all prices are exclusive of shipping costs, insurance, custom clearance and any applicable Taxes of any kind; all price quotations are valid for 90 days. Published list prices are subject to change without notice. Due to a policy of continuous product improvement, ICOR reserves the right to change specifications and appearance without notice. Please reference the invoice number on your cheque and remit to ICOR Technology Inc. 935 Ages Drive, Ottawa, Ontario K1G 6L3 Canada. The CALIBER® Robot (including the MK3, T5, Mini, and MK4) contains up to 35% US-source materials and are ITAR export license free and not subject to AECA or EAR regulations. The CALIBER® Robot is a Controlled Good, and requires an Export Permit for international shipping in accordance with the *Export and Import Permits Act (R.S.C., 1985, c. E-19)*. Failure to perform due to the action or inaction of the Government of Canada will be considered Force Majeure, and, ICOR is not responsible for any penalties, fees, liquidated damages, etc. ***Some or all of the quoted items are eligible for purchase through GSA's Cooperative Purchasing Program and 1122 Program for State and Local Law Enforcement. Please consult with your purchasing department to determine the optimal purchasing vehicle and notify your ICOR Sales Representative to make any changes necessary. ICOR's GSA Contract Number is: GS-07F-0430V***
DISCLAIMER REGARDING DISRUPTER MOUNT CONFIGURATIONS: ICOR Technology is a robot manufacturer and do not make disrupters. The end-user must consult with the disrupter manufacturer for complete instructions on loading, operation, maintenance and firing procedures. ICOR recommends that the end-user takes disrupter training from the manufacture before firing the weapon off of the robot. USE AT OWN RISK. ANY POTENTIAL DAMAGES TO THE ROBOT AS A RESULT OF USING A DISRUPTER ARE NOT COVERED UNDER WARRANTY. AS PER ICOR 'S LIMITED WARRANTY, WARNING AND LIMITATION OF LIABILITY DOCUMENT, ICOR SHALL BE HELD HARMLESS TO ANY LOSS OR INJURY AS RESULT OF USING DISRUPTERS ON THE ROBOT.

To accept this quotation, sign here and return:

Signature Date

ICOR TECHNOLOGY

NTOA MEMBER TESTED and RECOMMENDED 2014

Mini-CALIBER® SWAT ROBOT











MAN PORTABLE ROBOT

The lightweight, Mini-CALIBER® is a one man portable robot for SWAT and EOD operators. Developed for tactical missions, the robot is simple to operate and quick to deploy, providing fast action to search rooms, stairwells, and confined spaces.

MISSION CONFIGURABLE

The Mini-CALIBER® includes a manipulator arm on a rotating turret with a 10X zoom camera on the claw. The arm will lift objects up to 15 lbs (6.8 kg), deliver packages and open doors. The zoom camera will reach up to 64" (163 cm), high enough to look into car windows. The horizontal reach of 53" (135 cm) allows for under vehicle searches. Movement of the turret and wrist enables the claw mounted 10X zoom camera to pan and tilt.

PAYLOADS

CBRNE detectors and sensors can be mounted onto the deck of the robot chassis, assisting first responders in identifying hazardous items. Various types of recoilless disruptors can be mounted using disruptor mounts specially designed for the Robot.

MOBILITY

The compact platform measures less than 16" (41 cm) wide, allowing it to drive down aisles of planes, buses, and trains. Powerful 24V DC variable drive motors achieve speeds up to 2 mph (3.2 km/h) and handle rough terrain, rocks, and snow with ease. The rubber tracks and articulating front and rear flippers allow the robot to effortlessly climb stairs and inclines between 40° and 45°.

COMMAND & CONTROL UNIT (CCU)

Weighing only 5.3 lbs (2.4 kg) the handheld CCU is truly portable and intuitive to use. The robot is controlled through a variable speed joystick and incorporates 2-way audio for crisis negotiation. Clear images are transmitted to the 5.8" (14.7 cm) LCD daylight readable screen over a wireless RF system.

MULTIPLE MISSIONS

- Surveillance and reconnaissance
- Inspection of planes, trains, and buses
- Barricaded suspect and crisis negotiation
- Deliver and retrieve packages
- Open doors and move objects
- Under-vehicle inspection
- IEDD identification and disposal
- Intelligence gathering



Mini-CALIBER®
One Man Portable Robot

MINI-CALIBER® SPECIFICATIONS

Standard Features

FEATURE	DESCRIPTION
Drive System	• Variable drive speed up to 2 mph (3.2 km/h) • 2 drive modes - Stair Climbing and Standard • Chain Drive motors with rubber tracks • 0° turning circle
Front/Rear Flippers	• Front & Rear articulating flippers for stair climbing and obstacle clearance • -50° - +160° flipper rotation with positional feedback • Pre-set position for stair approach with LED indicator • Pre-set position for stair climbing (flat) with LED indicator • Pre-set position for stowage (home button) with LED indicator
Claw Arm	• 5 axis arm on rotating turret • Turret rotate: + / - 100° • Shoulder range: 0°-220° • Claw rotate: 360° Continuous Rotation • Max 66" (168 cm) Vertical Reach • Max 52" (132 cm) Horizontal Reach • 15 lbs (6.8 kg) lift capacity • Wide angle Claw Camera • Color zoom camera with 10x optical zoom • CCU LED indicator for turret home position (allows for safe stowage of arm)
PTZ Camera	• Pan-Tilt-Zoom Color Camera with 10x optical zoom and LED Lights • Mountable in different positions
Front/Rear Drive Cameras	Color CCD Cameras with IR light.
Mast Camera	Wide angle Rear Mast Camera for overhead view of robot and claw arm.
LED Lights	2 sets of LED lights.
Robot Battery Pack	• 24V DC, 9.6Ah Lithium-Iron-Phosphate (LFP) rechargeable batteries • Battery Chargers included
Command & Control Unit (CCU)	• Handheld, portable CCU • Variable Speed Joystick Control • 5.8" (14.7 cm) LCD daylight readable anti-glare screen • Weight: 5.3 lbs (2.4 kg); 5.8 lbs (2.6 kg) w/ Firing Circuit Key • Lithium-Ion Battery • LED function status indicator • Diagnostic tether cable • Weather resistant
RF Communications	• Wireless RF Video and Data • Approximately 1,000 ft (300 m) operating distance LOS
Digital 2 - Way Audio	• Digital 2-way (talk/listen) • Push to Talk • Headset with adjustable volume • Omni-directional microphone on robot • Weather resistant speaker
Training Videos	Included on training tablet.
WARRANTY	**2-YEAR LIMITED WARRANTY**
TECHNICAL SUPPORT	**UNLIMITED TECHNICAL SUPPORT** **customerservice@icortechnology.com**

Optional Features

FEATURE	DESCRIPTION
FLIR® Thermal Image Camera	The thermal imaging camera displays heat signatures in color and is mounted in place of the PTZ camera.
Claw Attachment Kit	Mini-CALIBER® claw attachment kit consisting of specially designed tools designed to keep responders out of harm's way. Accessories include clothes cutter, wire cutter, box cutter, tire slashers, and tools.
Firing System	One isolated firing circuit with removable key switch for recoilless disruptors, RSP tools and/ or breaching.
Shock Tube Initiator	One Channel Shock Tube Initiator with attachment mounts.
Command Post Video Transmitter (CPV)	The CPV allows real time viewing of CCU video, broadcast to 4 devices simultaneously as far as 300' (91m) LOS. With a 12V battery the CPV can last up to 5 hours (mission dependent).
Handheld Screen	Secondary portable wireless RF LCD Screen to see images from robot cameras. Ideal for SWAT entry teams *(Note: Available for standard video system only).*
Mini-CALIBER® Backpack	Custom designed backpack for easy deployment of the robot. Backpack designed with cushion support and straps for stability and comfort during transportation.
Training Course	One day Robot Operation and Maintenance course (either at ICOR or customer's facility).

Specifications

Mission Time	Up to 3 - 5 hours (mission dependent)
Width	16" (41 cm)
Height	15" (38 cm)
Length	• 24" (61 cm) Flippers Stowed • 36" (91 cm) Flippers Deployed
Ground Clearance	1.5" (3.8 cm)
Weight	64 lbs (29 kg) with batteries
Stair Climbing Angle	40° - 45° depending on stair structure (with front and rear flippers deployed)
Weather Resistance	Environmentally sealed; chem.-bio wash down capability.
Third Party Tested	DHS, NTOA, and NIST



ICOR TECHNOLOGY
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www.icortechnology.com

P/N: 10822 - Printed in Canada V1.0

Due to a policy of continuous product improvement, ICOR reserves the right to change specifications and appearances without notice.

SINGLE/SOLE SOURCE REQUEST

This form is to be used when an agency believes an acquisition is a single/sole source and the acquisition dollar amount is above $1,500. Requests $1,500 - $5,000 are to be approved by the Agency Director or their designee; >$5,000 shall require Agency Director approval. The completed form is to be submitted to the Cherokee County Procurement Department. The signed form will be retained in the purchasing file.

[Note: Double click on check boxes to access pop-up box for completion.]

AGENCY NAME Cherokee Sheriff's Office	**DIVISION NAME** Special Operations
PROPOSED CONTRACT VENDOR Company: ICOR Technology Address: 935 Ages Drive Ottawa, Ontario K1G 6L3 Telephone: 613-986-7978 Web Address: https:www.icortechnology.com/ Contact: Dan Murphy E-mail: dmurphy@icortechnology.com	**DATE NEED IDENTIFIED** As soon as possible **REQUESTED DELIVERY DATE** **QUOTED PRICE / EXPECTED ANNUAL VALUE** $ 59,550.00

DESCRIPTION OF GOODS AND/OR SERVICE REQUIRED:

The Mini-CALIBER® is purpose built for the following:

- **MULTIPLE MISSIONS**
  - Surveillance / Reconnaissance
  - Inspection of planes, trains & buses
  - Barricaded suspect / crisis negotiation
  - Deliver / retrieve packages
  - Open doors and move objects
  - Under-vehicle inspection
  - IEDD identification & disposal
  - Intelligence gathering

The Mini - CALIBER® robot has unique features and capabilities, outlined in the list below:

1. One independently operated robotic claw arm:
   a. The flexible turret allows for easy viewing underneath vehicles as well as manipulating items on a counter
   b. Open doors (vehicles and buildings)
   c. 5 axis arm on rotating turret
   d. Turret rotate: + / - 95°
   e. Claw rotate: 360° Continuous Rotation
   f. Max 64" (163 cm) Vertical Reach
   g. Max 50" (128 cm) Horizontal Reach
   h. 15 lbs. (6.8 kg) lift capacity
   i. Color zoom camera with 10x optical zoom

2. A manual two speed transmission switches the speed of the robot from low to high gear. The maximum speed is 2 mph (3.2 km/h). Shifting the transmission is accomplished by pressing the button on the CCU.

3. The front and rear flippers and chain drive system with tracks over aluminum wheels provides the traction for the robot to handle rough terrain.
   a. climb stirs up to 45° incline;
   b. traverse over mud, dirt, tall grass, sand, ice and snow
   c. 360° Continuous Rotation for front & rear flipper
   d. Front and rear preset positions for stair climbing
   e. Front and rear preset positions for stowing robot

4. 5 cameras are provided as standard equipment on the robot including:
   a. Two IR cameras for low light conditions (front drive camera and rear drive camera – wide angle view)
   b. One 10X Optical Zoom
   c. One Claw Arm camera
   d. One auxiliary mast camera (wide angle view)

5. The handheld Command & Control Unit is lightweight and quick to deploy:
   a. Handheld, portable CCU
   b. Variable Speed Joystick Control
   c. 5.8" (14.7cm) LCD daylight readable anti-glare screen
   d. Weight: 5.3lbs (2.4kg)

6. The Mini-CALIBER® robot comes with a limited 2 year warranty, unlimited technical support and a 24/7 customer support telephone number.

If services are included, complete the following:

☐ If services are listed above, attach a Statement of Work or a detailed work definition.

SINGLE/SOLE SOURCE CATEGORY (Check applicable box and attach documentation and provide (at a minimum) the required support under the category.)

A. Required Sourcing	B. Proprietary Sourcing	C. Single Source
☐ Legislation or appropriation mandates use of contract vendor (legislation or grant/funding source attached)	☐ Software license renewals, additions, or upgrades	☐ Interoperability
☐ Regulated utilities	☐ Warranty requirements	☒ Public safety/interest
☐ Other_____	☐ OEM service or parts required	☒ Agency safety
	☐ Other_____	☐ Disentanglement impact
		☐ Other_____
Category A Required Support:	**Category B Required Support:**	**Category C Required Support:**
1. State the situational background. If it involves a utility include location where utility is needed.	1. State the situational background.	1. State the situational background.
2. Attach legislation or grant/funding source document.	2. Provide sole source letter from software supplier addressing the limited sales channels.	2. Provide business case addressing the need to act without competition, address market availability of similar product, including pricing and why these products are unacceptable.
3. Utility company and type.	3. Attach warranty.	3. Include cost/impact of making a change.
	4. Indicate if only OEM parts are available.	

IF A BOX IN "A" or "B" ABOVE IS CHECKED, PROVIDE EVIDENCE THAT THIS IS A SOLE SOURCE PROCUREMENT (attach back-up), or: See Attached Sole Providers Letter

IF A BOX IN "C" ABOVE IS CHECKED, PROVIDE INFORMATION THAT SUPPORTS WHY ADDRESSING THIS SITUATION AS A SINGLE SOURCE IS IN THE BEST INTEREST OF THE COUNTY (attach back-up):

ICOR Technology Inc. is the exclusive designer, manufacturer and Canadian distributor of the Mini - CALIBER® robot. This robot is not manufactured or duplicated by any other manufacturer, nor is there any equivalent robot that resembles or operates similar to the Mini - CALIBER® robot.

As a small size robot weighing 64 lbs.; the Mini - CALIBER® Robot is designed specifically for SWAT missions. There are no other comparable robotic platforms in this weight class or price point that can accomplish the same amount of mission requirements.

NOTE: The following are UNLIKELY to be sufficient Single/Source justifications:

- Personal or Agency preference for a product or vendor or past or existing relationship (should define service expectations, quality requirements, and require a transition plan in formal RFB/P process)
- Agency perception that the vendor is the best qualified (should define necessary qualifications and quality requirements in a formal RFB/P process)
- Special incentive or deal offered (can be assessed in the pricing section of a formal RFB/P process)
- Agency convenience or lack of planning resulting in inadequate time to conduct a competitive procurement (request expedited support from the Procurement Department)

SEARCH RESULTS (if a box in "A" or "B" above is checked)

Ordinance References § 2-5-3.07 & 2-5-5.03: "Sole Source" means an acquisition where, **after a search,** only one supplier is determined to be reasonably able to provide the required product, service, or construction item.

A search was conducted consisting of: (check all that apply)	**RESULTS**
☒ Internet search (attach search results)	AFTER THE SEARCH:
☐ Market research / other vendors contacted (provide the names and dates of the contacts)	☐ No alternatives were identified
☐ Other	☒ No alternatives were deemed acceptable because (explain below):

Describe the search from above in detail: (attach documentation as necessary)

After completing an internet search for products similar in nature to the Mini-Caliber, SuperDroid LT2/F w/Arm "Bulldog" – Advanced configuration was located. However, a noted difference is the flipper arms do not have treads as it does on the Mini-Caliber. This feature alone, makes navigating stairs more effective and does not put an operator at risk from operating robot from a concealed location. Also, the Mini-Caliber has treaded front and rear flippers whereas the SuperDroid only has rear flippers, which are not treaded and used for stability only.

Mini-Caliber robot's flipper arms function more than just for stability as they assist the robot in gripping and climbing stairs and provide better control to effectively accomplish the mission. The flipper arm on the SuperDroid act as a stabilizer when ascending stairs, they are not designed to assist in the ascending of stairs.

Mini-Caliber robot has pre-set positions for stair approach and climbing, the SuperDroid only offers the stability function. This function allows for quick response while ascending stairs.

SuperDroid has a 2" ground clearance, the Mini-Caliber has 1.5", which allows the robot to sit closer to the ground making the stability better.

SuperDroid dimensions are (LxWxH) in inches – 34x19x24 (with arm stowed), Mini-Caliber (LxWxH) in inches - 24x16x15 (with arms stowed). Makes for a smaller robot in the Mini-Caliber which in turn make for easier handling of robot. The weight difference is another contributing factor. The SuperDroid weighs 93 pounds where the Mini-Caliber weighs 64 pounds. The Mini-Caliber allows for a 1 person carry function.

SuperDroid provides only 1-year warranty, iCore (Mini-Caliber) offers a 2-year warranty and provides a training course. The training course for SuperDroid is an add-on feature.

CERTIFICATIONS: Each signer must certify the following:

- I recognize that State law requires the use of competitive solicitations unless exempted by law. I have reviewed the information and materials relevant to this procurement of goods and services, and am requesting approval of an exception to the competitive process for the reasons described herein, and
- this request for an exception to the competitive solicitation process is not the result of inadequate advance planning or for purposes of securing the services of a preferred vendor.

SIGNATURES

Person Requesting the Single Source Status. By signing this document, I certify that the statements in the Certifications section above are true.

Signature: *Lieutenant Olen Boughner*	Date: 08/21/2020
Printed Name / Title: Olen Boughner / Lieutenant	Phone No. 678-493-4200

Agency Head Approval (>$5,000) or Agency Head Delegate Approval ($5,000). By signing this document, I certify that the statements in the Certifications section above are to the best of my knowledge true.

Signature: [illegible]	Date: 8/21/20
Printed Name / Title: Finance Manager	Phone No. 678-493-4134

SOLE SOURCE PROCUREMENT ASSESSMENT AND FINDINGS

(To be completed by the Procurement Department)

A search was conducted consisting of: (check all that apply)	**RESULTS**
☐ Internet search (attach search results)	AFTER THE SEARCH...
☐ Market verification (Provide the names and dates of the contacts)	☐ No alternatives were identified
☐ Public notice given on County website and the newspaper	☐ No alternatives were deemed acceptable because (explain below):
☐ Other	

Describe the search conducted or assessment of the Compelling Situation:

☐ **Approved**:

☐ The agency is given a one-time approval to process this Single/Sole Source acquisition, subject to Procurement's ability to make a fair and reasonable price determination. (Any terms and conditions proposed by vendor must be approved in writing by the County's attorney and the County Manager.)

☐ The agency is given a time-bound approval allowing it to process Single/Sole Source acquisitions through _____, subject to Procurement's ability to make a fair and reasonable price determination.

☐ A solicitation document containing the County's intent to pursue this as a Single/Sole source is required to be posted for two weeks Cherokee County's internet site for solicitations. Should there be no concerns raised by the posting/advertisement, the acquisition shall proceed as a sole source, subject to Procurement's ability to make a fair and reasonable price determination.

☐ _____

☐ **Not Approved.** Reason: _____

Procurement Director or Designee

Signature:	Date
Printed Name/Title	Phone No.

County Manager or designee (Required signature when over $25,000).

Signature:

Printed Name: Jerry Cooper, County Manager

Concurrence:

☐ Approved

☐ Rejected

Comments:

CHEROKEE SHERIFF'S OFFICE

MEMORANDUM

TO: Major T. K. Pinyan

FROM: Lieutenant O. Boughner

DATE: August 20, 2020

REFERENCE: Statement of Needs – Robot Purchase

Cherokee Sheriff's Office is requesting to purchase a Mini-CALIBER® ICOR Robot for deployments during tactical situations throughout Cherokee County as well as mutual aid agreements. The robot can be used in different missions to include: crisis negotiations, barricaded suspects, hostage situations/negotiations, deliver/retrieve packages, open doors and move objects, intelligence gathering, and surveillance.

Mini-CALIBER® is small in size, weighing only 64 lbs., can be easily moved to locations where operations are underway. The portable handheld Command and Control Unit allow the operator to be within the area of operations. Additionally, the Mini-CALIBER® has 5 cameras to provide several different angles for the field of vision. These camera angles increase the officer safety aspect as well. The Mini-CALIBER® climbs stairs and navigates hallways with ease.

Currently, Cherokee Sheriff's Office has an MK3 ICOR Robot, purchased approximately 15 years ago. This robot has outdated non-supported technology, equipment needs to be replaced to include batteries, tires, and tracks, and is very cumbersome. The MK3 Robot weighs approximately 197 lbs. and has to be trailered to the location of operation, whereas, the Mini-CALIBER® can be transported in a vehicle. The MK3 Robot is not user friendly, it requires extensive training and experience on setup and operation.

Additionally, the agency has a small "throw-bot" style Super Droid Robot. While this Robot works for its intended purposes of clearing a small unobstructed room, it has limited capabilities and functionalities. This Robot has only 1 camera view, which is

forward-facing, this causes issues when trying to back out of an area. Due to the low floor clearance, obstructions cannot be encountered and navigating stairs are an issue.

In conclusion, throughout the past, the Cherokee Sheriff's Office Multi-Agency SWAT Team has responded to several types of operations where a robot could have been utilized. Our agency had to contact other agencies and request their assistance for the deployment of their robots. Our agency had to wait for extended periods for their arrival. With the purchase of the Mini-CALIBER® ICOR Robot, this will allow us to have a reliable up to date robot that we can deploy during any operation in the future.

ICOR TECHNOLOGY

Olen Boughner
Cherokee County Sheriff's Office
498 Chattin Dr.
Canton, GA 30115

January 27, 2020

RE: Mini-CALIBER Sole Source Justification

Dear Mr. Boughner;

ICOR Technology Inc. is the exclusive designer, manufacturer and Canadian distributor of the Mini - CALIBER® robot. This robot is not manufactured or duplicated by any other manufacturer, nor is there any equivalent robot that resembles or operates similar to the Mini - CALIBER® robot.

As a small size robot weighing 64 lbs.; the Mini - CALIBER® Robot is designed specifically for SWAT missions. There are no other comparable robotic platforms in this weight class or price point that can accomplish the same amount of mission requirements.

The Mini-CALIBER® is purpose built for the following:

- **MULTIPLE MISSIONS**
  - Surveillance / Reconnaissance
  - Inspection of planes, trains & buses
  - Barricaded suspect / crisis negotiation
  - Deliver / retrieve packages
  - Open doors and move objects
  - Under-vehicle inspection
  - IEDD identification & disposal
  - Intelligence gathering

The Mini - CALIBER® robot has unique features and capabilities, outlined in the list below:

1. One independently operated robotic claw arm:
   a. The flexible turret allows for easy viewing underneath vehicles as well as manipulating items on a counter
   b. Open doors (vehicles and buildings)
   c. 5 axis arm on rotating turret
   d. Turret rotate: + / - 95°
   e. Claw rotate: 360° Continuous Rotation
   f. Max 64" (163 cm) Vertical Reach
   g. Max 50" (128 cm) Horizontal Reach
   h. 15 lbs. (6.8 kg) lift capacity
   i. Color zoom camera with 10x optical zoom

ICOR TECHNOLOGY

2. A manual two speed transmission switches the speed of the robot from low to high gear. The maximum speed is 2 mph (3.2 km/h). Shifting the transmission is accomplished by pressing the button on the CCU.

3. The front and rear flippers and chain drive system with tracks over aluminum wheels provides the traction for the robot to handle rough terrain.
   a. climb stirs up to 45° incline;
   b. traverse over mud, dirt, tall grass, sand, ice and snow
   c. 360° Continuous Rotation for front & rear flipper
   d. Front and rear preset positions for stair climbing
   e. Front and rear preset positions for stowing robot

4. 5 cameras are provided as standard equipment on the robot including:
   a. Two IR cameras for low light conditions (front drive camera and rear drive camera – wide angle view)
   b. One 10X Optical Zoom
   c. One Claw Arm camera
   d. One auxiliary mast camera (wide angle view)

5. The handheld Command & Control Unit is lightweight and quick to deploy:
   a. Handheld, portable CCU
   b. Variable Speed Joystick Control
   c. 5.8" (14.7cm) LCD daylight readable anti-glare screen
   d. Weight: 5.3lbs (2.4kg)

6. The Mini-CALIBER® robot comes with a limited 2 year warranty, unlimited technical support and a 24/7 customer support telephone number.

All purchases for ICOR Technology Inc. products should be assigned to ICOR Technology Inc. by formal governmental / departmental purchase orders.

If you require more information on our products, please contact me at the numbers or email listed below.

Sincerely,

J. Vong D

Digitally signed by Vongdouangchanh.Thongchanh.JORC301602 2242.ID
DN: c=US, o=U.S. Government, ou=ECA, ou=OPC, ou=ICOR Technology Inc., cn=Vongdouangchanh.Thongchanh.JORC301 602242.ID
Date: 2021.01.27 10:13:42 -05'00'

Jack Vongdouangchanh
Commercial Manager
ICOR Technology Inc.