

Sgt. John Hamlett
Druham County Sheriff's Office
510 South Dillard St
Durham, NC 27701

July 26th, 2019

RE: Mini-CALIBER Sole Source Justification

Dear Sgt. Hamlett;

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

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 stairs 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,

A handwritten signature in blue ink, appearing to read "Rojer", is written over a faint, larger version of the same signature.

Rojer Awad
Sales Engineer
ICOR Technology Inc.