

MEPNN Supplier Scouting Opportunity Synopsis

Section 1: General Information

Scouting Number	2025-009
Item to be Scouted	QR / RFID Scanners (for transport vehicle)
Days to be scouted	30
Response Due By	02/07/2025
Description	The handheld QR code or RFID scanner will be used at a centralized washing facility, outdoor collection bins, restaurants, and inside transit vans to track reusable containers and other foodware items as part of a reusable foodware system. These portable devices must be lightweight, ergonomic, and capable of reading and processing data accurately and efficiently in both indoor and outdoor environments. The scanners will experience frequent use and must be durable enough to withstand daily operations in humid tropical climates and exposure to direct sunlight.
Notify Requester Immediately	
State item to be used in	Hawaii

Section 2: Technical Information

Type of supplier being sought	Manufacturer
Reason	BABA
Describe the manufacturing processes (elaborate to provide as much detail as possible)	<p>Electronic Assembly</p> <p>To identify reliable, high-performance handheld scanning equipment capable of functioning effectively in various locations, including outdoor and mobile settings.</p> <p>Handheld scanners should be manufactured with durable, high-quality materials to ensure longevity under frequent use in variable environments. Devices should incorporate advanced optical or RFID technology for accurate and fast scanning. Housing materials must provide impact and weather resistance, while remaining lightweight for ease of use.</p>
Provide dimensions / size / tolerances / performance specifications for the item	<p>Dimensions: appx. 6 x 3 x 6.5"</p> <p>Features:</p> <p>Scanning Range & Speed: Reads QR codes and RFID tags within 6 inches to 3 feet, with high-speed processing of at least 30 tags/second.</p> <p>Durability & Environmental Resistance: IP65 rating or higher for dust, water, and moisture resistance, ensuring functionality in outdoor and mobile conditions.</p> <p>Shock-resistant casing to withstand drops of up to 4 feet.</p> <p>Connectivity & Compatibility: Supports USB, Bluetooth, and Wi-Fi connections; integrates with standard tracking systems and supports common data export formats.</p> <p>Battery Life: Minimum 8 hours of continuous use on a single charge, with fast-charging capabilities.</p> <p>Operating Temperature: Reliable performance in temperatures ranging from 0°C to 50°C (32°F to 122°F), suitable for outdoor use in tropical climates.</p>
List required materials needed to make the product, including materials of product components	Durable materials such as plastic used for housing. Rechargeable lithium-ion battery
Are there applicable certification requirements?	Yes

Details	FCC
Are there applicable regulations?	Yes
Details	The Build America Buy America Act
Are there any other standards, requirements, etc.?	Yes
Details	Devices should meet IP65 or higher standards for resistance to dust and moisture. Similar in form and function to: https://www.buymobiles.net/blog/a-guide-to-understanding-the-ip-rating-on-your-mobile/#:~:text=What%20does%20IP53%20mean%3F,to%20a%2060%2Ddegree%20angle .
NAICS 1	518210 Data Processing, Hosting, and Related Services
NAICS 2	541519 Other Computer Related Services
Additional Technical Comments	

Section 4: Business Information

Estimated potential business volume	Approximately 2 units needed
Estimated target price / unit cost information (if unavailable explain)	\$250 per unit
When is it needed by?	July 2025
Describe packaging requirements	Packaging should include necessary accessories (e.g., charging dock, cables, and protective cases). Protective packaging to prevent damage during transit is required.
Where will this item be shipped?	Hilo, Hawaii

Additional Comments

Is there other information you would like to include?	For questions or additional information on BABAA guidance, please contact Grace Ma ma.grace@epa.gov
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