



**SCOPE OF WORK
FOR
SOLICITATION NO. TLG0005
RADIO-FREQUENCY IDENTIFICATION TAGS**

1.0 Purpose

The purpose of this contract is for a one-time purchase of Radio-frequency Identification (RFID) Tags that will be used by the City of Austin Library's (Library) to secure circulating library materials.

2.0 Background

2.1 The Library currently uses the following devices. All tags shall be compatible with each of the items below.

- 2.1.1 3M RFID 803 Inventory Wand DLA
- 2.1.2 3M RFID 812 Conversion Station
- 2.1.3 3M RFID 815 Conversion Station
- 2.1.4 3M RFID 8901 Gate Detection System
- 2.1.5 3M RFID 8920 Gate Detection System
- 2.1.6 3M RFID 895 Pad Workstation
- 2.1.7 3M RFID 896 Pad Workstation
- 2.1.8 3M RFID 9103 Security Gate

2.2 The integrated circuit is a 13.56 megahertz (MHz) 1024 bit memory design shall be International Organization for Standardization (ISO) 18000-3 Mode 1 compliant.

3.0 Contractor's Responsibilities

3.1 3M RFID Stingray Tag or buyer approved equal.

- 3.1.1 The Contractor shall provide tags with a full-disc overlay on a silicone paper liner.
- 3.1.2 The Contractor shall provide tags with the following dimensions:
 - 3.1.2.1 Antenna Diameter 105mm (4.13 inches)
 - 3.1.2.2 Tag Width 108mm (4.25 inches)



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- 3.1.2.3 Web Width 110mm (4.33 inches)
- 3.1.2.4 Tag to Tag Pitch 114mm (4.48 inches)
- 3.1.2.5 Web edge to label 1mm (0.04 inch)
- 3.1.2.6 Coil Edge to Hole 42.5mm (1.67 inches)
- 3.1.2.7 Hole Diameter 20mm (0.79 inch)
- 3.1.2.8 Operating Frequency 13.56 MHz
- 3.1.2.9 Supported Standard ISO 18000-3 Mode 1, ISO 15693- 3
- 3.1.2.10 Tag thickness over antenna (without IC) 0.24mm
(0.009 inch)
- 3.1.2.11 Tag thickness (maximum, with IC) 0.36mm (0.014inch)
- 3.1.2.12 Core inside diameter 76mm (3 inches)
- 3.1.3 The Contractor shall provide the following packaging specifications:
 - 3.1.3.1 1,000 tags per roll
 - 3.1.3.2 One roll per package
 - 3.1.3.3 Wound on a single tag width roll
 - 3.1.3.4 Winding facing outward
- 3.2 3M ISO RFID Tag or buyer approved equal.
 - 3.2.1 The Contractor shall provide tags with the following dimensions:
 - 3.2.1.1 50x50mm Tag
 - 3.2.1.2 Tag width shall be 49x81mm
 - 3.2.2 The Contractor shall provide tags with the following



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characteristics:

- 3.2.2.2 Reprogrammable tags composed of an antenna and a Microchip
- 3.2.2.3 Memory chip that can store a variety of information that offers security and functionality
- 3.2.2.4 Tags shall be read/write so they do not need to be replaced if information changes
- 3.2.2.5 Tags shall be able to simultaneously process multiple items at a time
- 3.2.2.6 Tags shall work with devices stated in Section 2.1.
- 3.2.2.7 Tags shall be guaranteed for the life of the item they identify

3.2.3 The Contractor shall provide the following packaging specification:

- 3.2.3.1 2,000 tags per roll

4.0 Delivery Requirements

4.1 The Contractor shall deliver radio-frequency identification tags within twenty (20) calendar days from receipt of order. Unit price listed under Section 0600, Bid Sheet shall be F.O.B. Destination City of Austin and/or City of Austin Department(s), as applicable. All Charges (e.g., freight, packaging, and handling) must be included in the bid response. No other charges will be allowed.

4.2 All orders must be shipped complete unless arrangements for partial shipments are made in advance. The Contractor shall provide, with each delivery, an invoice showing the description of each item, quantity, and unit price.

5.0 Samples

5.1 The Contractor shall submit a representative sample of each tag with the sealed bid.