



### **Sole Source Application and Determination Form**

A sole source determination is not effective until the sole source application for determination has been posted on the Purchasing website for thirty (30) calendar days without protest and is subsequently approved in writing by the Vice President of Administration and Finance.

1. Name of Department: EMRTC/ Ordnance  
Contact Name: Jonathan Myrkle  
Phone: 505-859-6969  
Email: [jonathan.myrkle@emrtc.nmt.edu](mailto:jonathan.myrkle@emrtc.nmt.edu)
  
2. Name of Prospective Vendor: Teledyne RISI  
Contact Name: Michael Vera  
Phone: (925) 960-7004  
Email: [Michael.vera@teledyne.com](mailto:Michael.vera@teledyne.com)  
Estimated Cost: Minimum \$20k for 2025  
Duration (for Services or Professional Services – limited to four years): 4 years
  
3. Purpose/need for purchase and detailed list of items of tangible property, services, or professional services:  
    Needed for explosive testing, these EBW detonators provide the exacting performance needed to produce the repeatable data that our customers demand
  
4. Detailed explanation of criteria developed for this purchase:  
  
RISI EBW's are the gold standard in explosive research and have been in use by EMRTC since its inception and are in use with all of our National Laboratory customers. The performance they provide is unrivaled in the industry.

5. Provide a detailed, sufficient explanation of the reasons, qualifications or unique capabilities of the prospective vendor that make that prospective vendor the one source for providing the items of tangible property, services, or professional services:

Teledyne RISI is the oldest producer of Exploding Bridge Wire (EBW) detonators in the united states,. They are the only company with the manufacturing capacity to meet the needs of the entire Explosive research community without supply chain disruptions when order volume increases. They are also required by many of our customers, to include but not limited to Sandia National Laboratory, Los Alamos National Laboratory, Lawrence Livermore National Laboratory, and Aerojet Rocketdyne. We(EMRTC Ordnance) have years of experience with these detonators, we have tried EBW detonators from other manufacturers and they have not performed to the standards of the RISI EBW Detonators in explosive energy output consistency, event timing, or reliability ( RISI EBW detonators have an observed failure rate of less than 1 in 1000).

6. Provide a detailed, sufficient explanation of how the items of tangible property, services, or professional services is/are unique and how this uniqueness is substantially related to the intended purpose of the department/grant:

As stated above these Detonators are required testing that we perform for all of our national laboratory customers. EBW detonators are unique in that they provide a higher level of safety to our Ordnance Technicians as they are not as static sensitive and low voltage detonators. They also provide a level of timing accuracy in the microsecond range which is essential for the high-speed data capture required in explosive testing.

7. Please provide a narrative description department's due diligence in determining a basis for the procurement. Include:
  - a. method used to research and review other available sources (i.e. list of potential vendors from Purchasing, internet, state pricing agreements, purchasing cooperatives)
  - b. list of vendors contacted, the date and method of contact (i.e. email, phone call)

- c. documentation explaining why:
- those vendors cannot provide the required items of tangible property, services, or professional services
  - other similar items of tangible property, services, or professional services cannot meet the intended purpose of department/grant:

Over 40 years of experience with this vendor, we have tried others in the past with less than impressive results. One with lead times that stretch past 6 months in most cases and testing results that were abysmal in cases and subpar in most or cost prohibitive in others.

I certify I have performed thorough and diligent research and analysis to determine that [Teledyne Risi] is the only source capable of providing the required EBW detonators]. I understand that violations of the New Mexico Procurement Code (Chapter 13, Article 1 NMSA 1978) can carry severe penalties. I affirm that the information provided in this Sole Source and accurate to the best of my knowledge and belief.

Name, Title:  
Jonathan Myrkle Ordnance Technician III

AdobeSign/Date

Jonathan  
Myrkle

Digitally signed by Jonathan Myrkle  
DN: cn=Jonathan Myrkle, o=New Mexico Tech,  
ou=EMRTC,  
email=jonathan.myrkle@emrtc.nmt.edu, c=US  
Date: 2025.08.18 14:35:16 -0600

Review: Purchasing Services (Name, Title): Meradeth Montoya  
Assistant Director of Purchasing

AdobeSign/Date

*Meradeth Montoya* 8/22/25

Website Posting Date: 8/22/2025

Posting Expiration Date: 9/22/2025

Protested (Yes/No):

Approval: Delilah A. Walsh  
Vice President of Administration and Finance

AdobeSign/Date

*Delilah A. Walsh*

22-Aug-2025

Version: July 2025







# Sole Source Teledyne Risi

Final Audit Report

2025-08-22

Created:	2025-08-22 (Mountain Daylight Time)
By:	Meradeth Montoya (meradeth.montoya@nmt.edu)
Status:	Signed
Transaction ID:	CBJCHBCAABAAC0KNuwq11bo_xoEM-1-LnZhNcu42Z3UG
Number of Documents:	1
Document page count:	4
Number of supporting files:	0
Supporting files page count:	0

## "Sole Source Teledyne Risi" History

-  Document created by Meradeth Montoya (meradeth.montoya@nmt.edu)  
2025-08-22 - 10:02:03 AM MDT
-  Document emailed to Delilah Walsh (Delilah.Walsh@nmt.edu) for signature  
2025-08-22 - 10:03:47 AM MDT
-  Email viewed by Delilah Walsh (Delilah.Walsh@nmt.edu)  
2025-08-22 - 10:56:39 AM MDT
-  Agreement viewed by Delilah Walsh (Delilah.Walsh@nmt.edu)  
2025-08-22 - 10:57:42 AM MDT
-  Document e-signed by Delilah Walsh (Delilah.Walsh@nmt.edu)  
Signature Date: 2025-08-22 - 10:59:21 AM MDT - Time Source: server
-  Agreement completed.  
2025-08-22 - 10:59:21 AM MDT