

**Department of Procurement Services**

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ADDENDUM

IMPORTANT DOCUMENT – INVITATION TO BID

ITB NUMBER: 2021-15TC OPENING DATE & TIME: March 9, 2022 @ 3:00 p.m.

ITB TITLE: Atomic Force Microscope System

ADDENDUM NUMBER: II ADDENDUM DATE: March 02, 2022

**Purpose of this addendum is to answer questions submitted during the Q/A period.**

PLEASE ACKNOWLEDGE RECEIPT OF THIS ADDENDUM AND RETURN IT WITH YOUR BID. FAILURE TO SIGN AND RETURN WITH YOUR BID COULD RESULT IN REJECTION OF YOUR BID.

PROPOSERS SIGNATURE PRINT OR TYPE PROPOSER’S NAME

COMPANY NAME EMAIL ADDRESS

**Answers to Questions**

**ITB 2021-15TC**

**Atomic Force Microscope System**

**Question:** Specification:  The z-scan range of the system must be at least 80 micrometers with no loss to resolution.

* What does “no loss to resolution” mean?
* Is there a mistake in the specification here? The next specification concerns lateral resolution but an AFM requires a complete specification of XYZ imaging capability.
* The specification of 100pm resolution in z over the entire 80 micrometer z range of the AFM (no loss of resolution) seems to be physically impossible.
* If the 80 micrometer range is correct, what z resolution and resonant frequency of the scanner is required for that full range?
* Will advanced demonstration of the resolution over this range be required ***before award of the*** contract?

**UCF Answer:** There was a typo to the noted specification that was addressed in Addendum I with the below correction.

“The z-scan range of the system must be at least 80 micrometers with no loss to resolution.”

Should be:

“The **xy**-scan range of the system must be at least 80 micrometers with no loss to resolution.”

Advanced demonstration of the resolution over the required range is not needed before award. However, suppliers need to provide the specs of their proposed instrument for evaluation.