Procurement and Contracting Services

Request for Proposals for Off-Axis Parabolic (OAP) Mirrors, Flat Mirrors, and Spherical Mirrors

ADDENDUM #1

Please mark all proposal submission Envelopes with the following information

Sealed RFB # S262407
Due on May 13, 2024, no later than 2:00 PM, MST

The following questions were received prior to the close of the Technical Question period on April 29, 2024, at 12:00 PM MST:

- Currently, we aren't capable of measuring a WFE of this magnitude. The specification would have to be roughly ~7-8 nm RMS for us to confidently measure/fabricate these optics. There is roughly ~2 nm of "noise" in the measurement if we measure these interferometrically, which wouldn't characterize the surface effectively.
    - Is there any relief available regarding the WFE specification?

- Our minimum goal WFE is 5nm RMS. Please proceed with your bid stating your ~7-8nm RMS spec and best effort to meet our goal WFE. Until all bids are received, we do not know the industry capabilities available.

- We may have a follow-on question regarding the PSD specification as well, but we wanted to inquire about the Wavefront Error first.

- Acknowledged.

- Is there a specific reason why Mgf2 is specified for the overcoat for the protected aluminum? Optimax recommends a SiO2 option, as we find it to be much more durable.

- SiO2 is acceptable. The concern is multi-layer enhancement overcoats that produce chromatic retardance and polarization effects.

- Our Protected Aluminum will not meet the specs listed in the RFQ.
    - Would the program like us to quote the protected aluminum coating to the specifications that we can meet? *(This will include exceptions to the RFQ specifications.)*
    - Alternatively, we can quote an Enhanced Aluminum coating *(using an oxide stack overcoat)* which will meet the program needs?

- Please quote using either MgF2 or SiO2/SiO and list your exceptions. The concern is multi-layer enhancement overcoats that produce chromatic retardance and polarization effects.

End of addendum, all else remains the same.