

Questions and Answers Set #1

Q1. Would it be possible to get a copy of the .zmx file, just to ensure that there aren't any transcription errors from manual entry off of the web-site?

A1. Yes, Zemax files can be emailed to vendors. Request the Zemax file via email to: karen.klaas@nasa.gov

Q2. There appears to be some discrepancy in the optical prescription information in the RFP and the .zmx information posted. Which is the guiding document?

A2. The RFP is the guiding document. However, NASA would very much like to know about any discrepancies so they may be corrected. Vendors will be notified of corrections, if any, in a subsequent document posted with this solicitation.

Q3. Are there any specific testing requirements? (Our company's standard testing includes interferometric surface figure error and surface finish tests on a white light interferometer or surface profilometer, PSD testing is also available).

A3. Test data with interferometric surface figure error and surface finish tests on a white light interferometer sounds sufficient from the information given. It is unclear what PSD testing is. NASA understands that not all vendors have the same test equipment, so vendors should tell us how they will demonstrate that they have met the specs.

From the RFQ posting:

"An interferometric wavefront error map for each element would be an acceptable form of verification test data, but other types of test data may be acceptable. Offerors shall indicate their intended form of verification test data in their quotation package."

Evaluation criteria: "(4) Evaluation of the appropriateness of the type of verification test data that the vendor will submit upon delivery of the optics."

Q4. Are there any additional requirements on the mounting interfaces (i.e. what tap, or thread pitch would you like, are there any requirements on the alignment fiducials, are additional tooling holes acceptable)?

A4. 1/4-20 tapped hole is acceptable. 8-32 is also acceptable. If vendors want to propose something else, please submit the proposed specification to the contract specialist and it will be considered by NASA's technical team. The fiducial should be a line cut or etched into the side of the mirror (not just drawn on with pencil or a marker) and the vendor will need to describe the

“meaning” of the fiducial - for example, it might mark the intersection of the plane of the major and minor axes with the mirror. It is also acceptable if the vendor wants to do something other than a line, such as a small flat surface on the side of the mirror. The purpose is to be able to locate the correct “clocking” position of the mirror to as small an angle as possible.

Q5. Will NASA be providing mechanical drawings for these components or is this to be included in the proposal effort as non-recurring engineering?

A5. The mechanical drawings shall be generated by the vendor as part of non-recurring engineering. A drawing of the shape of the mirrors is added as an additional attachment to the RFQ at:

<http://prod.nais.nasa.gov/cgi-bin/eps/synopsis.cgi?acqid=142519>

End of Questions and Answers Set #1