

# Statement of Work

February 17, 2013

Customer: Headscratch Photonics  
Consultant: Jennifer Michels, Redhead Optical  
Task: F/0.9 Transmission Sphere Design

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## 1. Introduction

This Statement of Work defines the out-sourced efforts to be performed by a qualified consultant in the field of Optical Engineering. This effort is in support of Headscratch Photonics, Department of Metrology

This Statement of Work must be used in conjunction with the Contract Agreement ID RHO-HSP-1 signed on [date]. If the details of this Statement of Work are agreed to by both parties, it will be signed and dated at the end of this document.

This effort will be performed at Redhead Optical facilities. Several face to face meetings at the Customer's facility are expected.

## 2. Work to be Performed

- 2.1 Develop, along with metrology personnel, a full set of specifications for a 4" F/0.9 transmission sphere for a green laser Fizeau interferometer.
- 2.2 Create an optimized lens design, checking in with the Metrology Department personnel as optimization progresses.
- 2.3 Prepare summary reports of lens iterations that include optical and mechanical parameters for discussion.
- 2.4 Work with mechanical and other personnel to converge on an assembly that meets requirements.
- 2.5 Deliver optical component drawings along with an assembly and test procedure.

## 3. Performance Commitment

The consultant will require one month for design and optimization. Iterations may take up to an additional month, depending on access to customer resources.

## 4. Customer Furnished Resources

The Customer must provide one technical point of contact for this SOW, and also provide access to metrology personnel to fully define requirements. Also required is a mechanical engineer, or similar, to work collaboratively with Redhead Optical in assessing mounting and alignment schemes.

## 5. Travel

Travel for this project is not expected to generate any expenses.

Signatures below indicate that the parties agree on the plan set forth in this Statement of Work. Changes can be made with the agreement and signature of both parties.

**REDHEAD OPTICAL**

***[Customer Company Name]***

By: \_\_\_\_\_

By: \_\_\_\_\_

(signature)

(signature)

Name: Jennifer L. Michels

P.O.C.: \_\_\_\_\_

Title: Owner

Title: \_\_\_\_\_

Date: \_\_\_\_\_

Date: \_\_\_\_\_