

**Pre-Qualification Submittal Requirements for NCDOT Photogrammetry Unit PEF Discipline Codes
July 20, 2020**

00002 Aerial Image & LiDAR Collection/Processing - Manned Aircraft

Submitted prequalification materials must include the following:

- proposed sub consultants
- equipment list (planes, cameras, LiDAR systems, GNSS/IMU equipment, etc.) with technical data sheets for all proposed equipment
- base of operation for manned aircraft operations that includes airport code, airport name, city, and state
- proposed software list (flight planning, post processing, LiDAR derived elevation product formats, etc.)

00157 Large Format, Metric Camera Photogrammetric Services

Submitted prequalification materials must include the following:

- proposed sub consultants
- example planimetric mapping file & DTM file in Microstation V8 DGN format
- example orthophoto files in TIF and SID formats with associated world files
- list of proposed hardware and software in use at the office that will perform these services
- location address of the office being prequalified

00158 Aerial Image Collection & Mapping Products W/UAS

Submitted prequalification materials must include the following:

- proposed sub consultants
- equipment list (UAS, cameras, GNSS/IMU equipment if applicable, etc.) with technical data sheets for all proposed equipment
- proposed software list (flight planning, structure from motion photogrammetry, elevation data product formats, etc.) in use at the office that will perform these services
- name, FAA license information, NCDOT Aviation Division UAS Operator Permit information, and amount of UAS operator experience for all proposed UAS pilots
- general liability insurance information for UAS operations
- location addresses for the base of operation for unmanned aircraft operations and the post-acquisition data processing of the offices being prequalified

**Pre-Qualification Submittal Requirements for NCDOT Photogrammetry Unit PEF Discipline Codes
July 20, 2020**

00159 Aerial LiDAR Collection/Processing & Elevation Data W/UAS

Submitted prequalification materials must include the following:

- proposed sub consultants
- equipment list (UAS, LiDAR sensor, cameras, GNSS/IMU equipment, etc.) with technical data sheets for all proposed equipment
- proposed software list (flight planning, LiDAR post processing, LiDAR derived elevation product formats, etc.)
- name, FAA license information, NCDOT Aviation Division UAS Operator Permit information, and amount of UAS operator experience for all proposed UAS pilots; FAA UAS Registration information
- general liability insurance information for UAS operations; *
- accuracy test results, including horizontal accuracy results if available, for the proposed LiDAR system*
- location addresses for the base of operation for unmanned aircraft operations and the post-acquisition LiDAR data processing of the offices being prequalified

00160 Aerial Mapping Control

Submitted prequalification materials must include the following:

- list of GPS surveying equipment
- list of conventional surveying equipment
- example of a GPS site calibration or site localization (this needs to show that you can GPS existing control points on a project and rotate, translate and scale your GPS data so that your GPS data agrees with the project control)

Revision Notes

* July 20, 2020 Revision – for discipline code 00159, separated accuracy test results statement into separate bullet.