

## CLASSIFICATION SPECIFICATION

<b>FLSA:</b>	<b>NEXP</b>	<b>Job Code:</b>	<b>ACV77775</b>
<b>Job Class Code:</b>	<b>140</b>	<b>Salary Schedule:</b>	<b>ANONREG</b>
<b>EEO Category:</b>	<b>02</b>	<b>Grade:</b>	<b>S7</b>
<b>Workers Comp Code:</b>	<b>9410</b>		

<b>Job Code Established:</b>	<b>04/23/84</b>	<b>Effective Date:</b>	
<b>Job Code Revised:</b>	<b>01/01/94</b>	<b>Effective Date:</b>	

**JOB CODE SERIES:** Transportation Series

**JOB CODE TITLE:** TRANSPORTATION PHOTOGRAMMETRIST

**HRIS TITLE:** TR PHOTOGRAMMETRIST

**WORK DESCRIPTION:** Operates first order stereo compilation and analytical equipment used in plotting topographic maps; reviews a variety of technical documents to determine starting evaluations.

**WORK ACTIVITIES:** Codes data in preparation for data processing.

Corrects errors in computer output data, and resubmits to operations supervisor for a rerun.

Resolves geometric and trigonometric problems encountered during processes of making detailed engineering drawings.

Gathers data and supplies data for computer processing in order to receive precise calculations for detailed engineering drawings and maps.

Obtains reliable measurements and engineering data from aerial survey photographs.

Constructs detailed engineering drawings and maps from engineering data and recommendations working with some independence and flexibility of method.

Constructs detailed engineering drawings and maps using computer output data and survey information, working with some independence and flexibility of method.

Inspects data and materials for conformance with specifications prior to completion of projects.

Performs analytical aerotriangulation and evaluates results for accuracy and completeness.

Performs related work as required.

**WORK CONDITIONS:** Close attention to detail for extended periods of time.

### **SUPERVISION:**

Works under the general supervision of a first-line supervisor and exercises some independent judgment within well-defined program parameters.

**WORK RESULTS/PRODUCTS:** Completed topographic maps; established elevations for ground control points; map manuscripts with coordinates established.

**RESPONSIBILITY:** Timely and accurate completion of projects assigned; proper use and maintenance of photogrammetric equipment with high replacement cost.

**AUTHORITY:** To establish analytical control points for projects; to make decisions regarding the operation and adjustment of the most precise mapping equipment.

### **KNOWLEDGE, SKILLS AND ABILITIES**

**Knowledge of:** methods and equipment used in producing topographic maps through the use of photogrammetric processes; methods used in computing and verifying horizontal and vertical ground control points based on field survey data; drafting and mapping methods, procedures and

techniques; Federal and State statutes and agency standards, policies, and procedures applicable to the area of assignment.

**Skill in:** the adjustment, maintenance and operation of the highest order photogrammetric mapping equipment; analyzing and interpreting aerial photographs and field survey books to ensure accuracy and precision of data; reading and interpreting computer printouts and final map manuscripts to ensure compliance with standards; adjusting and correcting map data.

**SPECIAL SELECTION FACTORS:** Four years of stereo compilation equipment operation experience and two years of college level course work in engineering, mathematics, physical sciences or a closely related field; OR a Bachelor of Science degree in one of the physical sciences, mathematics or a closely related field and two years of stereo compilation equipment operation.