

EXPERIENCE CATEGORY GUIDELINES

The following guidelines should be used to assign applicable time in the "BASIC/SUBORDINATE" and "RESPONSIBLE POSITION" main columns and respective sub-columns on the ENGAGEMENT FORM.

MAIN COLUMN: BASIC / SUBORDINATE

SUB-COLUMN: BASIS OR OTHER SURVEYING

All experience not associated with boundary or right-of-way location such as construction staking or topographic surveying.

SUB-COLUMN: LAND SURVEYING AS SUBORDINATE

All experience associated with boundary or right-of-way location as a subordinate where no time in a responsible position may be claimed. Responsible position shall mean a position that requires initiative, skill and independent judgment; this term excludes chainmen, rodmen, instrument person, ordinary drafter and others doing routine work.

MAIN COLUMN: RESPONSIBLE POSITION

Responsible position shall mean a position that requires initiative, skill and independent judgment; this term excludes chainmen, rodmen, instrument person, ordinary drafter and others doing routine work.

SUB COLUMN: RESEARCH

Knowledge to obtain all relevant information necessary to complete a project including land records, land descriptions, soils and vegetation, rules of evidence, court decisions, regulations, riparian determinations, highway maps and plans, land title, real property acquisition, rights of way, workplans, standards, policies and procedures. Knowledge of legal principles applicable to real estate, surveying, mapping and contract law.

SUB-COLUMN: MEASUREMENT & MONUMENTATION

Knowledge of measurement techniques and obtainable accuracies using tapes, levels and electronic devices (including EDM, GPS, digital level) for horizontal and vertical control established by traverse, triangulation, trilateration, stadia, leveling, celestial observations, etc. Knowledge of error balancing and reduction techniques. Knowledge of the use and maintenance of measurement and related equipment. Knowledge of horizontal and vertical monumentation, types and priorities of existing monumentation, placement or replace of monuments, determination of validity of existing natural or manmade monumentation, lost or obliterated corners and monuments of record.

SUB-COLUMN: ANALYSIS & COMPUTATIONS

Knowledge of mathematics including algebra, trigonometry, geometry and statistics; computational techniques including computer application and usage associated with accuracy, traverse, triangulation, trilateration, differential and trigonometric leveling, angles and directions, geographic position, public land system, state plane coordinates, errors and adjustments, horizontal and vertical curves, photogrammetry, earthwork quantities, plane and geodetic surveys, area and volume. Knowledge of data and evidence analysis using computations, parcel descriptions, survey plats, land titles, professional and legal standards.

SUB-COLUMN: DESIGN PLATTING & LEGAL DESCRIPTIONS

Knowledge of local subdivision regulations, basic land planning (including lot and street layout) and requirements for land development. Knowledge of maintaining records, preparing maps and plats, documenting field and record evidence, writing property descriptions, drafting techniques and drafting standards.