	owing items along	g with the com	pleted a	applicatio	on form t	to PCS:	
Check or money order in the amoun	t of \$68.00 for new app	olications made pa	yable to "P	rofessional	Credential	Services /	MA ENG"
	e/ certification fees wil		n all require	ements are	met)		
Documentation of experience, e.g. d (See application instructions for spec	-		ed)				
Social Security Number:							
(Pursuant to MGL C62C, §47A, the Divi the Department of Revenue. The Depa compliance with the tax laws of the Co	artment of Revenue wil	•			•		
NCEES Candidate ID Number:							
In order to schedule as a first-time or re Candidates who have not done this by f (Fo		eadline cannot be sch	neduled for			ees.org .	
pplicants must also have the follo	owing items trans	mitted directly	y to PCS	under <u>se</u>	parate c	<u>over</u> :	
Transcripts mailed to Professional Cr has attended.	redential Services (PCS) in a sealed envel	ope directl	y from eacl	n college or	university	that the app
Six reference questionnaires mailed Professional Land Surveyors. (See a	•		al Credent	al Services	(PCS), thre	ee must be	from a Regis
	• •	side the United Sta	ites must h	ave their d	egree evalı	uated by NC	CEES Credent
Applicants who would like credit for evaluations services. (See applications services)							

GENERAL INFORMATION

<u>AUTHORITY:</u> You are required to provide all the information requested in the application forms per MGL C112, §81 and 250 CMR. It is the responsibility of the applicant to have read and understood the provisions of these laws, rules, and regulations and the instructions contained herein, before making application.

FORMS: The application is comprised of five separate sections, the application form itself, the instruction sheets, Attachment A, the Narrative Cover sheet, and the Reference Questionnaire. Except for the instructions, each must be completed and transmitted to the Board as set forth herein. Provide information only in those spaces indicated on the forms. Do not rearrange or alter this form in any way. Applications will be rejected and application fees forfeited if any portion of this form is altered. If additional space is required, make reference to a numbered addendum and title the top of the addendum "Attachment #___".

EXAMINATION ELIGIBILITY: The processing and approval of the submitted application and supporting documentation must be completed prior to the scheduling of any written or oral examination. Applications will not be processed until all documentation has been received as set forth herein. The time required to process an application varies, depending on the time required to substantiate application materials and the backlog of applications. The Board is not responsible for delays in receipt of data such as references, verification of education or registration and supplemental documents requested. Nor does the Board guarantee admission to any given examination.

WRITTEN EXAMINATIONS: All applicants are required to take and to pass the eight-hour Fundamentals of Surveying examination and the six-hour Principles and Practices of Surveying examination prepared by NCEES. All applicants for registration as Professional Land Surveyors are also required to take and pass the Massachusetts two hour Jurisprudence examination. The Board, at its own discretion, may waive these requirements for those individuals applying with twenty years of acceptable experience.

<u>ORAL EXAMINATIONS:</u> All applicants are required to submit to an oral examination or interview and to submit experience documentation. The oral examination may address a number of issues, including: quality of experience, responsible charge time, knowledge of surveying principles, familiarity with common practices, etc. The applicant should bring to the interview, copies of research notes, field notes, calculations, work sheets, plans, etc. covering several jobs that demonstrate knowledge and skills associated with a variety of land surveying projects as indicated in section 28. There is no fee for oral examinations.

<u>STUDY GUIDES:</u> Study guides for the Fundamentals of Land Surveying examination and the Principles & Practices of Land Surveying examination may be purchased from NCEES by calling 1-800-250-3196 or by accessing the NCEES web site at <u>http://www.ncees.org/</u>.

RULES & REGULATIONS: All applicants are required to have obtained and to understand the provisions of 250 CMR (code of Massachusetts Regulations) prior to completing this application. Copies are available by calling (617) 727-2834 or by accessing the Commonwealth's web page at

http://www.sec.state.ma.us/spr/sprcat/catidx.htm.

<u>NON-RESIDENTS:</u> Applicants that do not reside in Massachusetts or whose primary place of practice is in another state are subject to the same requirements as Massachusetts applicants and licensees. Each is required to have a thorough knowledge of the laws, rules and regulations affecting the practice of land surveying in the Commonwealth of Massachusetts.

WHEN TO FILE: Do not file this application before you have obtained the necessary experience required for the experience classification appropriate to your level of formal education. Experience after the date of the application will not be counted.

<u>FALSE STATEMENTS:</u> Massachusetts Law provides that applications containing false statements must be rejected regardless of the other qualifications of the applicant.

INSTRUCTIONS

All information appearing on this form must be typewritten or printed. Applications materials must be transmitted via postal mail to the processing agency. Applications will not be processed if any part of this form is incomplete. Applications will be rejected and application fees forfeited if any portion of this form is altered.

Section 1: Fill in your name as it appears on your birth certificate and appearing with your social security number. This should be the same name as appears on other registrations/licenses for Massachusetts or in other jurisdictions. IF you are known by an alias, answer yes to section 16 and supply the information requested.

<u>Section 2:</u> Provide any other name(s) by which you may have been known such as a maiden name. (see also section 16)

<u>Section 3:</u> Provide your current residential address and P.O. Box if applicable.

<u>Section 4:</u> Provide the company name and address of your current employer.

<u>Section 5:</u> Specify where you would like correspondence regarding your application directed.

Section 6: Provide your date of birth.

<u>Section 7:</u> Provide your place of birth, City, State, Zip.

<u>Section 8:</u> Declare your citizenship. If other than the United States, then specify.

<u>Section 9:</u> Provide a daytime and evening telephone number where you can be reached during the processing of the application.

<u>Section 10:</u> to <u>Section 18:</u> Check the correct response for each of these background questions. If the answer to any question is YES, then you must provide the Board with a brief narrative describing the specifics. "Attachment A" has one box for each of these sections if needed.

Enclosed is a "Request for Verification" form that <u>must</u> be forwarded to each jurisdiction in which you have ever held a license/certification to practice, whether or not that license is still active, and this form must be returned by that jurisdiction directly to the Board.

<u>Section 19:</u> Specify the jurisdiction (state), the date and if you passed, failed or were disqualified for each NCEES Fundamentals of Land Surveying you have taken. Enclosed is a "Request for Verification" form that <u>must</u> be forwarded to the jurisdiction in which you have taken the fundamentals examination and returned by that jurisdiction directly to the Board's designated processing

agency. Note: An SIT Certification is <u>not</u> necessary for registration.

Section 20: Specify the jurisdiction (state), most recent date exam was taken, number of times exam was taken (indicate n/a if passed), hours of the exam and if you passed, failed or were disqualified for each NCEES Principles & Practices of Land Surveying exam you have taken. Foreign applicants who have taken and passed other qualification exams in jurisdictions other than the US should provide such information in a supplemental format as an attachment. Enclosed is a verification of examination/registration form. This must be forwarded to the jurisdiction in which you have taken the principles and practices examination and returned by that jurisdiction directly to the Board's designated processing agency.

Section 21: Specify the most recent date exam was taken, number of times exam was taken (indicate n/a if passed), hours of exam and if you passed, failed or were disqualified for each Massachusetts State-Specific Jurisprudence Land Surveying exam you have taken.

Section 22: Massachusetts General Laws C.112, §81J (2) describes five different experience classifications listing minimum requirements for registration. Choose which of these classifications you are in compliance with at the time of making this application. Candidates seeking comity in Massachusetts must demonstrate that their primary certificate of registration was obtained under comparable requirements by indicating compliance with one of the other classifications in the appropriate space for Section 22 (a).

Classification (a) A person holding a certificate of registration/license to engage in the practice of land surveying issued on comparable qualifications from a jurisdiction, commonwealth, territory, or possession of the United States who wishes to be given comity consideration. Applicants approved for registration/license in this classification must demonstrate compliance with one of the four other classifications for registration/license as a Professional Land Surveyor and must also pass the oral examination and the written state specific jurisprudence examination.

<u>Classification (b)</u> A person holding a Bachelor of Science Degree in an approved curriculum (*land surveying degree or engineering degree with at least 12 credit hours of acceptable land surveying courses*) and presenting evidence satisfactory to the Board that, in addition thereto the applicant has had at least four years of combined office and field experience in land surveying with a minimum of three years experience in responsible charge of land surveying projects under the supervision of a registered/licensed Professional Land Surveyor.

Applicants approved for registration in this classification are required to take and pass an oral examination and two written examinations (*the six hour NCEES Principles* & *Practices and the two hour Massachusetts specific examinations*).

<u>Classification (c)</u> A person having had two years of formal education in an approved curriculum above the high school level with at least sixty semester credit hours or equivalent quarter-hours passed (Bachelor of Science or Associated degree in surveying or engineering including at least 12 credit hours of approved land surveying courses) and presenting evidence satisfactory to the Board that in addition thereto the applicant has had at least six years of combined office and field experience in land surveying with a minimum of four years experience in responsible charge of land surveying projects under the supervision of a registered Professional Land Surveyor.

Applicants approved for registration in this classification are required to take and pass an oral examination and two written examinations (*the six hour NCEES Principles & Practices and the two hour Massachusetts specific examinations*).

<u>Classification (d)</u> A person who has a specific record of twelve years or more of lawful practice in surveying work of a character satisfactory to the Board and with a minimum of six years experience in responsible charge of land surveying projects under the supervision of a registered Professional Land Surveyor.

Applicants approved for registration in this classification are required to take and pass an oral examination and two written examinations (*the six hour NCEES Principles & Practices and the two hour Massachusetts specific examinations*).

<u>Classification (e)</u> A person, with a record of at least twenty years of lawful practice in land surveying work, of which at least ten years has been in responsible charge of major land surveying work, of a grade and character which indicates to the Board that the person is competent to practice land surveying.

Applicants approved for registration in this classification are required to take and pass the oral examination and are also require to take and pass the six hour NCEES Principles & Practices of Land Surveying examination and the two hour Massachusetts specific examinations.

<u>Section 23:</u> Indicate the professional organizations of which you are currently a member. List only those organizations that are related to the profession of land surveying.

<u>Section 24:</u> Use this section to list your academic background. If you have not earned a college, university or technical school degree, then your high school data must be provided. Do not list in this section courses of study that were not accredited by an academic institution. These might include short courses, civil service or armed forces schools or similar training, work shops, seminars, etc.

List, chronologically the name and address of each college, university, or technical school attended, the dates of such attendance and the curriculum. If a graduate, list the degree obtained or otherwise list the number of credit hours earned. Graduate work, evening school, and other education for which academic credit is given must be included in the list.

Applicants who attended schools in the United States should <u>not</u> submit transcripts to the Board's designated processing agency, as these must be received directly from the schools. However, it is the applicant's responsibility to insure that the Board's designated processing agency receives the transcript from the school.

Applicants who attended schools in other countries must request that an evaluation of their foreign degrees be completed through NCEES Credentials evaluations services. The applicant is required to pay any fees associated with this evaluation. Specific instructions for this procedure are available at

http://www.ncees.org/Credentials_evaluations.php .

Section 25: Use this section to list all non-academic or other non-degree academic courses of studies completed. This list should include any course, workshop, seminar, etc. which would demonstrate some additional competency in the disciplines of land surveying. Applicant should provide the Board's designated processing agency with certificates of completion or other evidence that such courses of study were successfully completed.

<u>Section 26:</u> Use this section to indicate other independent programs of study that would provide evidence of your qualifications as a land surveyor, but that do not fit into the previous sections. Use this section to include self study programs, class audits, etc. Indicate the letter designation of the attachment, which describes the program of study. This should be a brief written narrative detailing the time commitment involved, texts, objectives, and date of study.

<u>Section 27:</u> Provide the Board's designated processing agency with the names of six references. Do not name members of the Board. The Board's designated processing agency must receive at least five replies from references, at least three of which must be registered/licensed Professional Land Surveyors, who are not relatives and who are intimately acquainted with your work. One of the references must be your current supervisor, even if it is a family member. In this instance, you will be required to provide the Board with one additional reference.

The three land surveyor references must be registered/licensed Professional Land Surveyors. References should be selected that can address the character and diversity of the applicant's experience, and must be personally acquainted with the applicant's professional reputation and technical ability.

The Application Package contains six (6) Reference Questionnaires. The top section of the first page and the second page must be complete by you and the remaining sections of the first page must be completed by the respondent

The information you supply on the second page of this form must duplicate information appearing on your application form's experience table. List only those engagements that the respondent is most familiar with.

You must then forward this form to the corresponding respondent named thereon. The respondent must complete the remainder of the form and return it directly to the Board's designated processing agency.

Any alteration of the Reference Questionnaire sheet will invalidate that reference's response.

It is your responsibility to check with your references to make sure that their replies are forwarded to the Board's designated processing agency. If the processing agency does not receive the Reference Questionnaires in a timely manner, the application will lapse and the application fee will be forfeited.

<u>Section 28:</u> Use the experience table to list, in chronological order, your employment history. If additional entries will be necessary, they must be supplied as an addendum in the same format.

Engagement number one should reflect your most current employment experience. Work backwards from engagement number one to your matriculation in a university or your first employment after high school. No record is to be made for work done before the applicant finished high school or for work performed during college vacations. Part time land surveying work performed during a period of full-time study at an educational institution is considered part of the educational program and is not acceptable professional experience. Table entries should cover periods of employment of a particular nature. If the nature of your position, hence the type of experience, within an employment period changes significantly, use a new key in the table to indicate such experience.

Employment that was not directly related to land surveying <u>must</u> also be included in order to leave no gaps in the complete chronological listing. However, if a number of contiguous engagements were unrelated to engineering/land surveying, you may group them together and designate that period as such. Periods of unemployment, or other gaps should be noted rather than leaving a period of time without explanation. If part of the chronological experience record includes time spent in military service, the applicant should furnish a completely legible copy of the "Report of Separation from the Armed Forces of the United States of America" as was issued upon discharge. This may be a DD-214 or a WD-AGO Government Form.

Supply one copy of the accompanying addendum entitled "Experience Table Narrative & Cover Sheet" for each engagement in the experience table and attach it to the reference materials being submitted for that engagement period. Additional copies of this form may be made as required. Provide a brief narrative for each section of the cover sheet addressing the referenced matters pertinent for that employment period.

Typical duties refer to your specific job functions in the company or firm and the approximate time commitment that accrued to each function you regularly performed. Scope of experience refers to the types of land surveying projects with which you were typically involved and the approximate percentage of time that accrued to each. Your level of responsibility should detail to what extent you were entrusted to work independently or conversely the amount of supervision you typically received for specific engagements. Include under scope of experience, the type of responsible charge experience that was involved.

company profile should indicate first The the multidisciplinary services offered by the employer for that engagement and second the primary types of land surveying services it offers. For multidisciplinary firms, indicate the types of services offered (i.e. land surveying, engineering, architecture, geodesy, photogrammetry, construction layout, etc.) and approximately what percentage of time each comprises of the company's total workload (for instance engineering 40%, land surveying 35%, Landscaping 25%). Indicate the primary types of land surveying services the company typically offers such as topography, retracement, permitting, subdivision, mortgage, layout, control, geodetic, right of way, etc. and approximately what percentage of the company's commitment to land surveying each comprises.

Care must be taken not to claim land surveying experience, which is actually part of other professional disciplines. For experience keys that claim responsible charge time, provide sufficient details to distinguish that experience as such (see definition for responsible charge). In describing your experience, use specific terms, such as: "I designed", "I reviewed", "I recommended", etc. Avoid vague terms, such as: involved with, participated in, etc.

For each engagement period, that covers land surveying experience, supplemental information MUST BE FURNISHED and attached to the appropriate cover sheet for that engagement number. Supplemental information should reflect work actually performed by you or under your direction of land surveying projects. It should include copies of research notes, field notes, calculations, work sheets, final plans, and reports made by you or under your direction. All supplemental materials should be provided on letter size (8 1/2" by 11") sheets. For copies of bound notebooks, or other documents, photographic size fixed enlargement/reduction to letter size is acceptable. Larger documents that would be unreadable if reduced, should be folded to letter size. The supplemental information package total weight should not exceed one pound. Select representative materials within this limit. Supplemental information becomes the property of the Board and will not be returned.

supplemental Select materials that present a representative picture of the progression of your responsibilities and experience over the breadth of your employment for each engagement. Supply examples of work performed exclusively by you or under your direction. If you were the co-author of a document that is important to your experience record, then circle the part which you personally prepared or add a hand written explanation thereon describing your contribution, for example: "I supervised the reconnaissance/evidence reconciliation for this project", or "I performed the technical/investigative research for this work", etc. Do not include bound sets of specifications or contract drawings, for which you were only marginally involved. Focus on quality, not quantity.

- Column (a) Engagement Number: Enter the number of the engagement, beginning with number 1 as the most recent work and increasing by one for each row of the table. Electronic forms may already be numbered. Each engagement should address a particular phase of your experience history. It is not unusual to list more than one engagement for a single employer or academic institution.
- Column (b) Experience Categories: Choose one of the following three letter acronyms to represent the most appropriate experience designation for each engagement.
 - OWN Owner: of the business or an officer of the corporation, board member, etc.
 - MNG Manager: of business operations.
 - ADM Administrator: Either supervises and plans the administration of land surveying services for a project or is assigned to provide the lead services for a project. The latter refers to an individual who is assigned to provide all or most of the contracting, research, reconnaissance, fieldwork, analysis, and documentation for a particular land surveying project.
 - ANL Analyst: Evaluates and reconciles record versus physical evidence via law of evidence and state regulation. One who is skilled in the mathematical treatment of such data and the processing of such data by use of computer applications.
 - INV Investigator (reconnaissance, research, compile, directs, etc.)
 - CHF Party Chief (one or many parties)
 - RES Researcher of records at the registry of deeds, probate court, highway department, etc.

- PRO Post Processor of field measurements, deed closures, map checks, etc. but not yet skilled as an Analyst)
- CAD Computer Assisted Drafting person.
- INS Instrument Person on a field party.
- ROD Rod Person on a field party/
- TRA Training or apprentice type activities.
- OTH Other activities unrelated to Land Surveying
- Column (c) Fill in the beginning date in the format "month/year" for each engagement number. This should not overlap or be the same as any other ending date.
- Column (d) Fill in the ending date in the format "month/year" for each engagement number. This should not overlap or be the same as any other beginning date.
- Column (e) Using the beginning and ending dates for each engagement number, compute the elapsed time in years and enter that amount in this column. Round all entries to the nearest tenth of a year for columns (e) thru (j).
- Column (f) For each engagement number, determine what portion of (e) is attributable to land surveying experience obtained while training for a position or prior to being put in a responsible charge at that position. This column should include time for each change of position for an employer, even if it follows a period when you were in responsible charge for a previous position, such as moving from party chief to working in a new office position. Do not assume that because you achieved a responsible charge position for one duty, that from that time forward all of your time will be considered by the Board to be in responsible charge.
- Column (g) For each engagement number, determine what portion of (e) is attributable to land surveying experience in responsible charge and enter that amount in this column. For an explanation of the term "Responsible Charge" as used in this context, refer to the Glossary.
- Column (h) For each engagement number, determine what portion of (e) is attributable to experience while holding a valid registration to practice Land Surveying in another state or jurisdiction and enter that amount in this column. This column is for use by comity applicants applying under classification (a) in section 22.
- Column (i) For each engagement number, determine what portion of (e) is attributable to just land surveying experience as defined by the registration law (MGL C112, §81D). The time in this column should equal the total of columns (f) thorough (h). Experience that does <u>not</u> comply with MGL's definition of land surveying should be listed in column (j). Entries in this column must <u>not</u> overlap experience time appearing on other professional licensing application, regardless of jurisdiction, for licensure in disciplines other than land surveying. Therefore, if you have claimed a period of engineering experience on another application form for licensure, you must list that period as such and it must not be included as experience in columns (f) through (h).
- Column (j) Enter the time in this column associated with academic engagements as noted in section 24 or any employment experience that that does not comply with the definition of land surveying as defined by the registration law, MGL C112, §81D.

- Column (k) For each engagement number, provide the name of the supervising Land Surveyor who was in "responsible charge" of your land surveying work for that time period. Include that supervisor's license number, jurisdiction, current daytime telephone number and employer at the time of that engagement number. Note: "independent contractors" and "employees" are hired on a very different contractual basis and hence have very different "direct charge" and supervisory roles with regard to the employees of the contracting firm that is actually providing the client service. For the Board to properly evaluate experience under MGL c 112, you must never designate the employer of an "independent contractor" or "sub-contractor" as being the contracting firm. If the supervisor for an engagement period is deceased, so indicate and provide the name of another senior member of the firm (preferably a land surveyor) who can verify your employment experience.
- Column (I) Provide the name, address, and telephone number of the place where you were employed for each engagement. The word "same" can be entered if there was no change from the previous (listed above) employer. If the firm has dissolved or if it is now operating under a different name, such details must be provided. If the firm has dissolved, provide the name of a reference (preferably a professional land surveyor) that can verify the employment experience for that period. If you were selfemployed, you must provide the name of an associate or client, preferably a registered Professional Land Surveyor, to verify your employment status for that period.

GLOSSARY

<u>ACADEMIC:</u> Of, relating to, or characteristic of an institution or scholarly establishment of higher learning offering accredited courses beyond the grade of high school.

<u>ACADEMIC DEGREE:</u> title granted by a college or university, usually signifying completion of an established course of study.

<u>ADDENDUM:</u> When there is insufficient space provided for required information, an addendum should be attached and a reference to it supplied in the space for the applicant's response. Addenda should be 8.5 by 11 inch sheets entitled "Attachment #__" on the top center of the sheet. Use one sheet for each attachment.

<u>APPLICANT:</u> The person making this application and attesting to the truthfulness of the statements and facts contained herein.

<u>APPROVED COURSES:</u> Land surveying courses approved by the Board or comprising one of the core subjects for an academic curriculum in land surveying.

BOARD: The Commonwealth of Massachusetts Board of Registration of Professional Engineers and Professional Land Surveyors. Sometimes used to refer to the collective authority of all such Boards of registration for engineers and land surveyors.

<u>CLIENT:</u> A person for whom the practitioner is performing services. A client may be a property owner, contractor, developer, etc.

CMR: Code of Massachusetts Regulations

<u>COMITY:</u> In the context used by the Board, is the principle by which one jurisdiction may accede or give effect to the laws or judgments of another Board. Massachusetts grants comity consideration only if the Board can determine that licensee's primary jurisdiction licensed the applicant in compliance with Massachusetts requirements. In the case of a person applying for registration as a land surveyor, the applicant will always be required to take and pass the Massachusetts specific examination.

DIRECT CHARGE: See Direct Supervision

<u>DIRECT SUPERVISION:</u> Direct supervision signifies both the control and the obligation in the performance of professional services that meet or exceed professional standards of practice. It is the act of a duly licensed person for a specified professional discipline who either personally prepares or was in responsible charge over the preparation of work products and has a verifiable record that the individuals preparing such work products were subject to regular and continuing review and supervision during and throughout the development of such products.

DISCIPLINES: In the context of professional practice, the Board considers disciplines as those branches of engineering and land surveying regulated by Massachusetts law and which require special training and knowledge.

ENGAGEMENT NUMBER: Refers to a specific time period for one employer or college associated with primarily one experience category as listed in the experience table.

EMPLOYER: To engage the services of personnel, as defined by federal and state tax laws.

Engagement: employment periods demonstrating experience or education at a given discipline.

EXPERIENCE CLASSIFICATION: The amount of a specified type of experience required for registration by the Board. Usually associated with or linked to a specific type of educational background.

<u>FIRM:</u> A corporation, sole-proprietorship, proprietor trust, P.A., LLP, LLC, company or co-partnership which offers professional land surveying services (as defined by Massachusetts General Laws) by letterhead or professional listing and for whom others may be employed in that service.

JURISDICTION: A state, territory or legislative body with the authority to regulate the practice of Land Surveying as discrete and separate from other professional endeavors.

<u>INTERVIEW:</u> Per MGL, an interview is part of the examination process. (see Oral Exam)

LAND SURVEYOR: A professional specialist in the technique of measuring land, educated in the basic principles of mathematics, the related physical and applied sciences, and the relevant requirements of law for adequate evidence and all requisite to the surveying of real property and engaged in the practice of land surveying.

LAND SURVEYING: Any service or work, the adequate performance of which involves the application of special knowledge of the principles of mathematics, the related physical and applied sciences, and the relevant requirements of law for adequate evidence to the act of measuring and locating lines, angles, elevations, natural and man-made features in the air, on the surface of the earth, within underground workings, and on the beds of bodies of water for the purpose of determining areas and volumes, for the monumenting of property boundaries, for locating or relocating any of the fixed works embraced within the practice of civil engineering, and for the platting, and layout of land and subdivision thereof, including the topography, alignment and grades of streets, and for the preparation and perpetuation of maps, record plats, field note records, and property descriptions that represent these surveys.

<u>LAW OF EVIDENCE:</u> The aggregate of rules and principles regulating the admissibility, relevancy, and weight and sufficiency of evidence in legal proceedings.

<u>LICENSE:</u> A determination by a governing jurisdiction that a person has completed the required courses of study and acquired the necessary experience thorough a process of application and examination following which the person is registered to practice professionally in that jurisdiction.

MGL: Massachusetts General Laws

<u>MULTIDISCIPLINARY:</u> A person or firm having or employing more than one professional discipline.

<u>NCEES:</u> The National Council of Examiners for Engineering and Surveying. The corporation that prepares the Fundamentals examinations and the Principles and Practices examinations for registration as either an engineer or land surveyor.

<u>NON-RESIDENT:</u> Any person who resides outside the Commonwealth of Massachusetts, whether or not their employment is within the Commonwealth.

<u>ORAL EXAMINATION:</u> A formal interview of a person, arranged by the Board, to assess the qualifications of an applicant prior to admittance to written examinations or registration as a Professional Land Surveyor.

<u>ORGANIZATION:</u> In the context of this form, means any establishment, society, or concern established for the benefit of the land surveying profession's practitioners, and concerned with issues such as professional ethics, continuing education, public awareness, practice interchange, etc.

PRACTICE: see professional practice.

<u>PRIMARY JURISDICTION:</u> The jurisdiction where a professionally licensed person was first licensed/registered to practice land surveying.

<u>PROFESSIONAL PRACTICE:</u> Services offered by licensed members of a profession as defined by law, regulation, or the normal practice of other competent, similarly situated professional land surveyors of good repute.

<u>RECIPROCITY:</u> The Board interprets reciprocity to mean the mutual or cooperative exchange of favors and privileges, especially the exchange of rights or privileges of licensing between jurisdictions. Massachusetts does <u>not</u> grant licenses based upon this premise. (see comity)

<u>REGISTRATION:</u> The process by which the Board first determines that an applicant is qualified to practice and then makes a formal record of such determination and, by virtue of assigning each practitioner a unique license or registration number, issues the practitioner a certificate of such.

<u>RESPONSIBLE CHARGE:</u> Responsible charge experience required for registration as a land surveyor is that portion of the technician's experience that rises to the level of a licensed practitioner by virtue of the degree of responsibility accruing to the technician, provided that such experience was gained while under the "direct supervision" of a licensed practitioner as required by statute and regulation. Such experience must provide a clear indication to the Board that the technician is capable of providing professional level services upon becoming a registered or licensed practitioner. Furthermore, such experience must be comprised of a diverse mix of those duties or responsibilities that would normally accrue to the licensed practitioner, for instance being responsible for the quality, review and evaluation of surveying matters (in field and office) or their presentation to clients, their agents, municipal boards, and other such agencies or persons.

<u>SUPERVISOR:</u> In this context, refers to the person who is charged with all or part of the responsibility of overseeing aspects of a land surveying project. (see direct supervision)

<u>WORK PRODUCT:</u> Work products are tangible items created or identified by the practitioner that communicate information to the client or members of the public regarding the practitioner's opinion or the services performed.

<u>WRITTEN EXAMINATION:</u> Assessment mechanisms comprised of two examinations prepared by NCEES for the Boards and one prepared by the Board. The first is an eight hour examination of the Fundamentals of Land Surveying. The second is a six hour examination of the Principles and Practices of Land Surveying. The third is a two-hour examination of Massachusetts specific matters.

Commonwealth of Massachusetts

Division of Professional Licensure

Board of Registration of Professional Engineers and Professional Land Surveyors

Application for Professional Land Surveyor

1.	Applicant Name:				
		(last)	(first)	(middle)	ADMIN. USE ONLY
2.	Other Name:				Appl.#
		(last)	(first)	(middle)	License#
3.	Residential Address:				Туре:
	-	(number)	(street)	(apt. #)	Cash:
					Cash Date:
		(Post	Office box or	number)	Action:
		(city/town)	(state)	(zip code)	 Date:
				drace)	
			(email ad	aress)	
4.	Business Address: (current employer)		(company	(namo)	
	(current employer)		(company	name)	
		(nest office here		(atreat) (ant #)	Attach a recent
		(post office box	or number)	(street) (apt. #)	passport 2" X 2" type
		(city/town)	(state)	(zip code)	- photograph of yourself
			(stato)		
			(email ad	dress)	-
5.	Address for correspor	idence:	Residential	P.O. Box	Business
6.	Date of Birth:		7. Place of Bir	-th:	
8.	Citizenship: 🗌 United	I States 📋 Othe	r (specify)		
0	Tolophono Numbers (with area anda)	Dev.		Fuening
У.	Telephone Numbers (with area code):	Day:		Evening:

10.	in the United States or indicating the status	ve you ever held a license/regist in a foreign jurisdiction? If yes, of each license/certification ar he required "Request for Verifica	then complete the nd any relevant	top section of disciplinary in	f "Attachment A" nformation. See	☐ Yes ☐ No		
11.	taken any disciplinary numbered table entry	ation Board located in the Unite action against you? If yes, the entitled "Attachment A." See in be received for each such state of	en provide the spenstructions regarding	ecifics in the	correspondingly	☐ Yes ☐ No		
12.	United States or any	f pending disciplinary actions b country of foreign jurisdiction red table entry entitled "Attachm	n? If yes, then			☐ Yes ☐ No		
13. Have you ever voluntarily surrendered or resigned a professional license/registration to a licensing/registration Board in the United States or any country or foreign jurisdiction? If yes, then provide the specifics in the correspondingly numbered table entry entitled "Attachment A." See instructions regarding the required "Request for Verification" that <u>must</u> be received for each such state or jurisdiction.								
14.		enied a professional license/regi yes, then provide the specifics)				☐ Yes ☐ No		
15.	jurisdiction, other than	nvicted of a felony or misdemear a traffic violation for which a f ifics in the correspondingly n	ine of less than \$3	300.00 was a	ssessed? If yes,	☐ Yes ☐ No		
NOTE: The Board is certified by the Criminal History Systems Board [ID# MAREG G] to access data about convictions and pending criminal cases. Those records and other Federal and professional records may be checked as part of your licensing process. No records are automatic disqualifiers; you will be given an opportunity to discuss any issues with the Board.								
16.		your education or professional e the correspondingly numbered ta				☐ Yes ☐ No		
17.	person not licensed to p	our land surveying experience u practice as a Professional Land S red table entry entitled "Attachm	urveyor? If yes, th			☐ Yes ☐ No		
18.		oyed in a profession other than f land surveying? If yes, ther ntitled "Attachment A"				☐ Yes ☐ No		
19.	Have vou previously tak	en NCEES sanctioned Fundamer	itals of Land Surve	vina examinat	tions? 🗌 Yes	□ No		
	Jurisdiction	Date of exam	Exam Score:	Fail	Disqualified			
	Jurisdiction	Date of exam	Exam Score:					
	Jurisdiction	Date of exam	Exam Score:	📙 Fail	Disqualified			
			Pass	🗌 Fail	Disqualified			
	Jurisdiction	Date of exam	Exam Score:	🗌 Fail		I		

20.	Have	you	previousl	y taken	NCEES	sanctioned	Principles	&	Practices o	f Land	Surveying	examinations	? [] Yes	No

Jurisdiction	Most recent date:	Times Taken:	Exam Hours:	Exam Score:
Jurisdiction	Most recent date:	Times Taken:	Exam Hours:	Exam Score:
Jurisdiction	Most recent date:	Times Taken:	Exam Hours:	Exam Score:
Jurisdiction	Most recent date:	Times Taken:	Exam Hours:	Exam Score:

21. Have you previously take the Massachusetts State-Specific (Jurisprudence) Land Surveying Exam? 🗌 Yes 🗌 No

Most recent date:	Times taken	Exam Hours:	Exam Score:		
			Pass	🗌 Fail	Disqualified

- Indicate which one of the following classifications best describes your qualifications to become registered as a Professional Land Surveyor in the Commonwealth of Massachusetts. Comity applicants filing under classification (a) must declare which of the state's four primary requirements for registration they best comply with in the space provided, i.e. classification (b) through (e).
 - (a) Holding a license/registration to practice in another state/jurisdiction in compliance with the requirements of classification: ______ (select one).
 - (b) Having a Bachelor of Science Degree in an approved curriculum (surveying degree or engineering degree with at least 12 credit hours approved courses in land surveying), <u>four</u> years land surveying experience, <u>three</u> years in responsible charge and having previously passed the required Fundamentals Of Land Surveying Examination.
 - □ (c) Having two years or more of formal education comprised of at least sixty semester credit hours of which at least 12 credit hours are approved land surveying courses, six years of land surveying experience, four years in responsible charge and having previously passed the required Fundamentals Of Land Surveying Examination.
 - ☐ (d) Having twelve years land surveying experience, six years in responsible charge and having previously passed the required Fundamentals Of Land Surveying Examination. Undergraduate study in an approved surveying curriculum may be considered as surveying experience on an equivalent full-time basis up to a maximum of 2 years.
 - ☐ (e) Having twenty years land surveying experience, of which at least ten years were in responsible charge of major land surveying work. Undergraduate study in an approved surveying curriculum may b considered as surveying experience on an equivalent full-time basis up to a maximum of 2 years.
- 23. List your membership/affiliations in land surveying organizations or societies:

NAME	JURISDICTION	ADMITTED	TYPE OF MEMBERSHIP

24. List schools & colleges attended (see instructions)

INSTITUTION	CITY, STATE	Year–Year	CURRICULUM	Degree	EARNED CREDITS
High School				N/A	N/A
Preparatory School				N/A	N/A
College/University					

(list only accredited academic courses of study)

25. List your ten most recent non-degree or non-academic courses of study:

COURSE TITLE	OFFERED BY	DATE	CEU's/PDH's

(for all non degree courses of study, work shops, seminars, etc.)

26. List any independent programs of study in land surveying which would indicate your qualifications as a land surveyor:

SUBJECT	Sponsor	DATE	NARRATIVE
			See Attachment

(Includes correspondence school, self study programs, research projects, etc. Attach narrative for each.)

27. List at least six references, one of which must be your present supervisor, three of which must be Professional Land Surveyors (see instructions for Reference Questionnaire forms)

ΝΑΜΕ	Address & Telephone #	P.L.S.	Massachusetts Registrant
		🗌 Yes 🗌 No	🗌 Yes 🗌 No
		🗌 Yes 🗌 No	🗌 Yes 🗌 No
		🗌 Yes 🗌 No	🗌 Yes 🗌 No
		🗌 Yes 🗌 No	🗌 Yes 🗌 No
		🗌 Yes 🗌 No	🗌 Yes 🗌 No
		🗌 Yes 🗌 No	🗌 Yes 🗌 No
		🗌 Yes 🗌 No	🗌 Yes 🗌 No

28. Experience Table (read instruction carefully before completing this section)

(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(I)
	ions)				(decim	ELAPSE al years a	ED TIME to neares	t tenth)	1		
Engagement Number	EXPERIENCE CATEGORY (see instructions for designations)	BEGI NNI NG DATE (month/Year)	ENDING DATE (month/Year)	ELAPSED TIME (for this engagement)	PRE-RESPONSIBLE CHARGE (Surveying Experience)	RESPONSI BLE CHARGE (Surveying Experience)	PROFESSI ONAL L.S. (Surveying Experience)	TOTAL (columns f, g, h) (Surveying Experience)	ر (include license # & Jurisdiction, (company na		YOUR EMPLOYER (company name, address and telephone number)
1											
2											
3											
4											
5											
6											
	Tot	tals: <i>(column l</i>	E thorough J)								

AFFIDAVIT & NOTARIZATION

"The undersigned applicant acknowledges that the Commonwealth of Massachusetts Board of Registration of Professional Engineers and Professional Land Surveyors (Board), by its usual standards and procedures, will examine and compile a record with respect to all aspects of the applicant's surveying career. The applicant agrees to provide any additional information in connection with the inquiry as may be required by the Board."

"The applicant certifies that the information contained herein truthfully and accurately reflects the applicant's employment and educational background and that the supplemental materials provided are examples of work prepared exclusively by the applicant except as specifically noted thereon. The applicant authorizes the Board to make such investigations and inquiries as may be necessary to substantiate the statements supplied herein. This may include contacting the employers, references and supervisors named herein. Applicant understands that any address or telephone number found to be invalid at the time of the application will automatically invalidate that portion of the submission and may result in a rejection of the application."

"I certify, under the pains and penalties of perjury, that the information I have provided pursuant to this application for licensure is truthful and accurate. I understand that the failure to provide accurate information may be grounds for the Board to deny the application or to suspend or revoke a license issued to me, if said license is issued based upon fraudulently supplied information. I further attest that, pursuant to MGL C62, §49A, to the best of my knowledge and belief, I have filed all state tax returns and paid all state taxes required by law."

"I further certify that I have read and understand the applicable laws, rules and regulations of the Commonwealth of Massachusetts (MGL c112, s81D – 81T and 250 CMR) and the instructions that accompany this application."

(signature of applicar	nt)		(date)
	Notary		
Jurisdiction of:	County of:		SS:
I,	_, a Notary Public in and	for said county	, in the jurisdiction aforesaid, DO
HEREBY CERTIFY that	r	ersonally knov	vn to me to be the same person
whose name is subscribed to the foregoing	instrument, appeared be	fore me this c	lay in person, and acknowledged
that he/she signed, sealed and delivered th	ne said instrument as hi	s/her free and	voluntary act, for the uses and
purposes therein set forth.			
Given under my hand and notary seal this	day of	, 20	Notary Seal
(Notary Public)	(my commissio	n expires)	

PROFESSIONAL LAND SURVEYOR APPLICATION Attachment A

Section 10 Response: Provide information for other engineering and land surveying licenses/certifications (see instructions for required "Request for Verification"; provide supplemental sheets if necessary)

JURISDICTION	Түре	DATE ISSUED	NUMBER	STATUS*	DISCIPLINARY ACTION
					🗌 Yes 🗌 No
					🗌 Yes 🗌 No
					🗌 Yes 🗌 No
					🗌 Yes 🗌 No
					🗌 Yes 🗌 No
					🗌 Yes 🗌 No

(*status: current, inactive, suspended, probation, etc.)

If your answer was yes for any of the questions in sections 11 thorough 18 then you must provide an explanation in the corresponding box below.

Section 11 Response
Section 12 Response
Section 13 Response
Section 14 Response
Section 14 Response
Section 15
Section 16 Response
Section 17 Response (refer to engagement number in experience table that this response applies to)
Section 18 Response (refer to engagement number in experience table that this response applies to)

PROFESSIONAL LAND SURVEYING APPLICATION REFERENCE QUESTIONNAIRE

Information appearing on the second page of this form and on the top section hereof, is the same information as appears on the application form submitted to the Board's designated processing agency and the Commonwealth of Massachusetts Board of Registration (the Board) by the applicant named below. The applicant has identified the respondent appearing hereon as someone qualified and willing to comment on the applicant's qualifications for registration as a Professional Engineer. The applicant, by requesting that the respondent supply the Board with this information, agrees to release and discharge the respondent from all claims arising out of the provisions for giving such information.

The Board requests that the respondent answer a number of questions that will assist the Board in its evaluation of the applicant's qualifications and experience as a candidate for registration as a Professional Engineer. The respondent is then asked to state, to the best of his or her knowledge, if the representations being made by the applicant on this form are all accurate and reasonable.

Once complete, the respondent must return this form directly to the Board's designated processing agency.

SECTION TO BE COMPLETED BY APPLICANT:

APPLICANT'S NAME:	APPLICATION NUMBER:	[FOR BOARD USE ONLY]
Applicant's Residential Address:		
Applicant's Current Employer:	APPLICANT'S RELATIONSHIP TO R	ESPONDENT:
RESPONDENT'S NAME:	APPLICANT AND RESPONDENT HAV	/E BEEN ACQUAINTED:
	From:	To:
RESPONDENT'S ADDRESS:		

SECTION TO BE COMPLETED BY RESPONDENT:

RESPONDENT'S PLS LICE	RESPONDENT'S PLS LICENSE/REGISTRATION IN JURISDICTION WHERE EMPLOYED:					Resi	SPONDENT'S	Mass. PLS LICENSE/REGISTRATION:		
Date:	Num	ber:		State:			D	Date:	Number:	
RESPONDENT'S CURRENT	EMPLOYER:						Resi	SPONDENT'S	Position/Title:	
Address of Responden	t's Employer:						Resi	SPONDENT'S	Daytime Telephone #:	
HOW WOULD YOU RATE TH	HE APPLICANT'S F	RECORD RESEAR	CHING AND IN	IVESTIGATIONS ABI	LITIES?					
Very Good	1 🗆	2 🗆	3 🗖	4	5 🗖	Po	oor		Don't Know 🗌	
HOW WOULD YOU RATE TH	HE APPLICANT'S E	EVIDENCE IDENT	IFICATION AN	D FIELD MEASUREM	ENT SKILLS?					
Very Good	1 🗆	2 🗖	3 🗖	4 🗖	5 🗖	Po	or		Don't Know 🗌	
HOW WOULD YOU RATE TH	HE APPLICANT'S N	MEASUREMENT P	OST PROCESS	ING AND ANALYTIC	AL SKILLS?					
Very Good	1 🗆	2 🗆	3 🗖	4 🗆	5 🗖	Po	or		Don't Know 🗖	
HOW WOULD YOU RATE TH	D YOU RATE THE APPLICANT'S ANALYTICAL AND RECONCILIATION OF EVIDENCE SKILLS (APPLICATION OF BOUNDARY LAW PRINCIPLES)?				N PRINCIPLES)?					
Very Good	1 🗆	2 🗆	3 🗖	4	5 🗖	Po	Poor Don't Know 🗌			
HOW WOULD YOU RATE AF	PPLICANT'S ABILI	TIES TO UNDERS	STAND AND UT	TILIZE THE ELECTRO	ONIC TECHNOL	OGIES E	BEING	EMPLOYED T	ODAY?	
Very Good	1 🛛	2 🗖	3 🗖	4	5 🗖	Po	oor		Don't Know 🗌	
HOW WOULD YOU RATE TH	HE APPLICANT'S A	ABILITY TO MANA	AGE LAND SUR	VEYING PROJECTS	(WORKING WI	TH CLIE	ENTS A	AND SUBORD	INATES)?	
Very Good	1 🛛	2 🗆	3 🗖	4 🗆	5 🗖	Po	or		Don't Know 🗌	
HOW WOULD YOU RATE TH	HE APPLICANT'S (CHARACTER AND	PERSONAL R	EPUTATION?						
Very Good	1 🗌	2 🗖	3 🗖	4 🗆	5 🗖	Po	oor		Don't Know 🗌	
HOW WOULD YOU RATE TH	HE APPLICANT'S I	REPUTATION AS	A LAND SURVE	YOR?						
Very Good	1 🛛	2 🗆	3 🗖	4 🗆	5 🗖	Po	or		Don't Know 🗖	
HAS THE APPLICANT'S EXP	PERIENCE BEEN C	OF A SATISFACTO	RY GRADE AN	D CHARACTER FOR	REGISTRATIO	N AS A F	PROFES	SSIONAL LAN	ID SURVEYOR?	
Yes Definitely	1 🗌	2 🗖	3 🗖	4	5 🗖	No	ot Sur	re	Can't Comment 🛛	
TO THE BEST OF YOUR KN REGISTRATION AS A PROF			APPEARING O	N BOTH SIDES OF T	HIS FORM AN	ACCURA	ATE RE	EPRESENTATI	ON OF THE APPLICANT'S QUALIFICATIONS FOR	
🗌 Yes 🗌 No	Respondent	<u>'s Signature</u> :							Date:	_
ADDITIONAL COMMENTS:										

PROFESSIONAL LAND SURVEYOR APPLICATION REFERENCE QUESTIONNAIRE

Sect	ion to be	completed by	applicant: (at	iplicate s	elected e	<u>engagem</u> e	ents from	your apr	plication's	s experience table that are applicable to the	e reierence)
(a)	(b)	©	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(1)
	ons)				(deci:	ELAPSE mal years t	ED TIME to nearest	tenth)			
Engagement Number	EXPERIENCE CATEGORY (see instructions for designations)	BEGINNING DATE (month/Year)	ENDING DATE (month/Year)	ELAPSED TIME (for this engagement)	PRE-RESPONSIBLE CHARGE (Surveying Experience)	RESPONSIBLE CHARGE (Surveying Experience)	Professional L.S. (Surveying Experience)	TOTAL (Surveying Experience)	OTHER (non-surveying & academic)	SUPERVISING LAND SURVEYOR (include license # & Jurisdiction, current daytime telephone # and their employer for that period)	Your EmpLoyer (company name, address and telephone number)
Түріс	AL DUTIES E	Each Listed Engag	SEMENT:								
SCOPE	e of Experie	ENCE:									
	OF RESPONS										
Profi	LE OF MULTI	idisciplinary Firm	I'S SERVICES (IF AP	PLICABLE):							
Profi	LE OF FIRM'S	'S SURVEYING SERVI	ICES:								

Professional Land Surveyor Application Experience Table Narrative & Cover Sheet

(FILL OUT ONE COPY OF THIS SHEET FOR EACH OF SECTION 28^s ENGAGEMENTS AND ATTACH IT TO THE ASSOCIATED REFERENCE MATERIALS)

ENGAGEMENT NUMBER:	ENGAGEMENT CATEGORY:	(3 letter acronym)
TYPICAL DUTIES ASSOCIATED WITH THIS ENGAGEMENT:		
SCOPE OF EXPERIENCE ASSOCIATED WITH THIS ENGAGEMENT:		
LEVEL OF RESPONSIBILITY ASSOCIATED WITH THIS ENGAGEMENT:		
LEVEL OF RESPONSIBILITY ASSOCIATED WITH THIS ENGAGEMENT.		
Types of Attached Documentation:		
PROFILE OF MULTIDISCIPLINARY FIRM'S SERVICES (IF APPLICABLE):		
PROFILE OF FIRM'S TYPICAL SURVEYING SERVICES:		

Commonwealth of Massachusetts

Division of Professional Licensure

The Board of Registration of Professional Engineers and Professional Land Surveyors

Request for Verification

For Non-Massachusetts License, Registration, Examination, Standing

Applicant requesting stat	tus of registration/license/exar	nination:	(to be filled out by applicant)	
Name:		Type of License/Registration:		
Street Address:		License/Registration #:		
Other:		Last four digits of SS#:		
City:		Date of Birth:		
State:	Zip:			

Status of applicant's Certificate/Registration/License: (to be filled out by jurisdiction)

Record	Certif. No.	Date Issued	Valid Until	Disciplinary Actions
Engineer In Training EIT				🗌 Yes 🗌 No
Professional Engineer PE				🗌 Yes 🗌 No
Surveyor in Training SIT				🗌 Yes 🗌 No
Professional Land Surveyor PLS				🗌 Yes 🗌 No
Other:				🗌 Yes 🗌 No

Disciplinary Actions:

(if yes, provide details here and on back)

Applicant's examination record:

(to be filled out by jurisdiction)

Exam	Hours	Result	Date	NCEES Exam	Branch
FE		🗌 Pass 🗌 Fail		🗌 Yes 🗌 No	
P&PE		🗌 Pass 🗌 Fail		🗌 Yes 🗌 No	
FLS		🗌 Pass 🗌 Fail		🗌 Yes 🗌 No	n/a
P&PLS		🗌 Pass 🗌 Fail		🗌 Yes 🗌 No	n/a
Oral		🗌 Pass 🗌 Fail		By Board	
Other:		🗌 Pass 🗌 Fail		🗌 Yes 🗌 No	

Remarks:

Processing agency's Instructions:

Return completed form to:

Engineering Examination Services/MA ENG

P.O. Box 198728

Nashville, TN 37219-8689

Board Seal:
-
-
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