1	21 NCAC 56 .0303 is proposed for amendment as follows:	
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3	21 NCAC 56 .0	DISBURSEMENT OF FUNDS
4	The Board shall	dispense funds for educational programs in the following manner:
5	(1)	The Board shall dispense funds after Board Committees, as organized, study each specific
6		committee-related request and recommend funding.
7	(2)	The Board shall consider requests for funds only from the following entities: community colleges,
8		public or private institutions of higher learning, State and county boards of education, or governing
9		authorities for any industrial education center.
10	(3)	The Board shall consider educational programs to establish instructional programs for individuals
11		currently licensed and those seeking to become licensed.
12	(4)	Approved entities shall request funds in writing and provide the following information:
13		(a) The amount needed;
14		(b) The intended use of the funds;
15		(c) Subject material to be presented and qualifications of instructors to be employed;
16		(d) Itemized breakdown of the amount needed and the total expected costs;
17		(e) Source and amount of assistance being given by any other person or organization.
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19	History Note:	Authority G.S. 89C-10(g);
20		Eff. February 1, 1976;
21		Readopted Eff. September 29, 1977;
22		Amended Eff. April 1, 1989; January 1, 1982;
23		Pursuant to G.S. 150B-21.3A, rule is necessary without substantive public interest Eff. April 27,
24		2019;
25		Amended Eff. ; Amended Eff. July 1, 2020.
26		

1 21 NCAC 56 .0601 is proposed for amendment as follows: 2 3 SECTION .0600 - PROFESSIONAL LAND SURVEYOR 4 5 21 NCAC 56 .0601 REQUIREMENTS FOR LICENSING 6 (a) Education. The terms used by the Board for the specific education requirements to be eligible to be licensed as a 7 Professional Land Surveyor are defined as follows: 8 (1) "B.S. in surveying or other equivalent curriculum." These degrees shall contain a minimum of 45 9 semester hours, or their quarter-hour equivalents. Of the 45 semester hours, a minimum of 12 10 semester hours of surveying fundamentals, 12 semester hours of applied surveying practice, and 12 11 semester hours of advanced or theoretical surveying courses are required. The remainder of the 12 required surveying courses may be elective-type courses in any of the categories; and 13 (2) "Associate degree in surveying technology." This degree shall contain a minimum of 20 semester 14 hours, or quarter-hour equivalents. Courses shall be in surveying fundamentals, applied surveying 15 practice and advanced or theoretical surveying courses, including courses in surveying practices, 16 subdivision design and planning, surface drainage, and photogrammetry which must be completed 17 with a passing grade. 18 "Land Surveyor Apprenticeship." The applicant shall have completed one of the following (3) 19 programs: 20 (A) Certified Survey Technician Program (CST) of the National Society of Surveyors (NSPS) 21 levels I through IV. 22 "Technologist" Certification Program of the American Society for Photogrammetry and (B) 23 Remote Sensing (ASPRS) 24 Based upon the Surveying Education Standard of the National Council of Examiners for 25 Engineering and Surveying (NCEES) by obtaining college semester credit hours, as modified to 26 require the following 39 college semester hours: 27 (i) 12 college semester hours in mathematics beyond basic mathematics, but the credits 28 include college algebra or higher mathematics. These courses must emphasize mathematical 29 concepts and principles rather than computation. Mathematics courses may include college algebra, 30 trigonometry, analytic geometry, differential and integral calculus, linear algebra, numerical 31 analysis, probability and statistics, and advanced calculus. 32 (ii) 27 college semester eredithours of surveying science and surveying practice. Courses shall 33 be taught by qualified surveying faculty. Examples of surveying courses are basic surveying, route 34 surveying, geodesy, geographic information systems, land development design and planning, global 35 positioning systems, photogrammetry, mapping, legal principles of land surveying, boundary law, professional surveying and mapping, and remote sensing. Graduate-level surveying courses can be 36 37 included to fulfill curricular requirements in this area.

Apprenticeship program, approved by the Board, and administered through 1 2 ApprenticeshipNC, or equivalent, including elements equivalent to A, B, or C. 3 (b) Experience: 4 (1) Definition. As used in the North Carolina Engineering and Land Surveying Act, the term 5 "progressive practical experience" means that during the period of time in which an applicant made 6 a practical utilization of the knowledge of the principles of geometry and trigonometry in 7 determining the shape, boundaries, position, and extent of the earth's surface, such that continuous 8 improvement, growth, and development in the utilization of that knowledge have been shown. In 9 addition, the applicant shall show the continuous assumption of greater individual responsibility for 10 the work product over that period of time. 11 (2) Required Experience. In evaluating the work experience required, the Board shall consider the total 12 experience record and the progressive nature of the record. Not less than half of the required land 13 surveying experience shall be of a professional grade and character, and shall be performed under 14 the responsible charge of a Professional Land Surveyor. If the work was not under the responsible 15 charge of a Professional Land Surveyor, the applicant shall submit a written explanation to the Board 16 explaining why the experience should be considered. The Board shall approve the experience on a 17 case-by-case basis if it is satisfied of the grade and character of the progressive experience. 18 Experience gained under the technical supervision of an unlicensed individual shall be considered 19 based upon the engineering education and experience credential of the unlicensed supervisor. 20 Experience gained in the armed services, typically while serving in an engineering or surveying 21 related group, shall be accepted only if substantially equivalent to that which would have been 22 gained in civilian work. 23 (3) Other Experience. The applicant shall document the nature and details of the work done in the following areas to evidence to the Board its equivalency to land surveying: 24 25 (A) construction layout; 26 (B) engineering surveying; or 27 (C) part-time surveying work. 28 (c) Exhibits, Drawings, Maps: 29 (1) Required Exhibit Before Principles and Practice of Surveying Examination: 30 (A) General. The applicant shall submit, along with the application, an actual map of a 31 boundary survey of an actual project prepared under the direct supervision and responsible 32 charge of a Professional Land Surveyor who states that the applicant did the preparatory 33 work of the survey; that shows, by its conformance, that the applicant is knowledgeable of 34 the contents of the Standards of Practice for Land Surveying in North Carolina as set forth 35 in Section .1600 of this Chapter; and that shows that the applicant is able to apply this 36 knowledge by preparing a map in accordance with the various legal and professional

requirements of land surveying.

1		(B) Physical Requirement. The map submitted shall be a clean, clear, legible print of an original
2		map in the file of a Professional Land Surveyor.
3	(2)	Specific Requirements. The details that shall be evaluated are those applicable to the particular
4		project as described in the Standards of Practice for Land Surveying in North Carolina as set forth
5		in Section .1600 of this Chapter, and as described in G.S. 47-30. In addition, the exhibit shall contain
6		a statement that the field work, calculation, and mapping were performed by the applicant under the
7		supervision of a Professional Land Surveyor, attested to by that Professional Land Surveyor.
8	(3)	Requirements for Comity Applicant. The map submitted by an applicant under comity may be a
9		representative map of an actual survey of a project or work performed in the state of licensure that
10		is modified to meet the requirements in Subparagraph (c)(2) of this Rule and shall be evaluated in
11		accordance with the requirements applicable to the particular project as described in the Standards
12		of Practice for Land Surveying in North Carolina as set forth in Section .1600 of this Chapter, and
13		as described in G.S. 47-30.
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15	History Note:	Authority G.S. 47-30; 89C-10; 89C-13;
16		Eff. February 1, 1976;
17		Readopted Eff. September 29, 1977;
18		Amended Eff. August 1, 2014; July 1, 2009; August 1, 2000; August 1, 1998; November 2, 1992;
19		April 1, 1989; December 1, 1984; January 1, 1982;
20		Pursuant to G.S. 150B-21.3A, rule is necessary without substantive public interest Eff. April 27,
21		2019; Amended Eff. July 1, 2020
22		Amended Eff. :Temporary Amended Amend. Eff. July 1, 2022.

1 21 NCAC 56 .0608 is proposed for adoption as follows: 2 3 21 NCAC 56 .0608 SURVEYOR INTERN 4 (a) General. To obtain the optional certification as a Surveyor Intern, an applicant shall: 5 (1) pass the fundamentals of land surveying examination and make application to the Board on a form 6 prescribed and furnished by the Board, 7 be of good character and reputation, (2) 8 (3) submit three character references to the Board, one of whom is a professional land surveyor, 9 comply with the requirements of this rule, and (4) 10 (5) satisfy one of the following requirements related to education and experience: 11 (A) Have a bachelor of <u>sSciencescience</u> degree in surveying or other equivalent curricula, 12 approved by the Board and a record satisfactory to the Board of one year of progressive 13 practical experience under a practicing professional land surveyor. (B) 14 Have an associate degree in surveying technology approved by the Board and a record 15 satisfactory to the Board of two years of progressive practical experience under a practicing 16 professional land surveyor. 17 (C) Have graduated from high school or completed a high school equivalency certificate and a 18 record satisfactory to the Board of five years of progressive practical experience, under a 19 practicing professional land surveyor. 20 (D) Graduation from a high school or the completion of a high school equivalency certificate, 21 completion of a Land Surveyor Apprenticeship, and a record satisfactory to the Board of 22 three years of progressive practical experience under a practicing professional land 23 surveyor. 24 (b) Request. The application form may be requested from the Board office or obtained from the website. 25 Application Form. Surveyor Intern CertificationCertificate Application Form. After passing the (c) 26 fundamentals Fundamentals of surveying Land Surveying examination an applicant may make application to the Board 27 to become certified as a "Surveyor Intern." This form requires the applicant to set forth personal history, educational 28 background, surveying experience, character references and exhibit. A passport-type photographic quality portrait that 29 is adequate for current identification purposes is also-required. 30 (d) Reference Forms: 31 (1) Persons applying to be certified as a Surveyor Intern shall submit to the Board names of individuals 32 who are familiar with the applicant's work, character and reputation. The names shall be submitted 33 by the applicant on the application form. 34 (2) Persons applying for certification as a Surveyor Intern must submit three references, one of whom 35 shall be a Professional Land Surveyor.

1 (3) In addition to the applicant submitting names to the Board of such individuals, those individuals 2 shall submit to the Board their evaluations of the applicant on reference forms supplied them by the 3 applicant. The reference form requires the individual evaluating the applicant to state the evaluating 4 (4) individual's profession, knowledge of the applicant, and information concerning the 5 applicant's land surveying experience, charactercharacter, and reputation. 6 7 (5) The Board shall provide the reference forms to the applicant along with the application for licensure. 8 The reference forms shall then be distributed by the applicant to the persons listed on the application 9 as references. The applicant shall ensure that the individuals listed as references return the forms to 10 the Board prior to the filing deadline for the examination applied for by the applicant. 11 (e) Fees. Surveyor Intern Certification Form. Once the applicant passes the examination on the fundamentals of surveying and makes application to the Board to become certified as a "Surveyor Intern" the application fee of one 12 13 hundred dollars (\$100.00) is payable. 14 (f)—Personal Interview. During the application process, the applicant may be interviewed by Board members if the 15 members have questions regarding the applicant's education, experience or character, based upon the information 16 submitted in the application. 17 18 Authority G.S. 89C-10; 89C-13; 89C-14; 89C-15;

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Eff.; Temporary Adoption Eff. July 1, 2022.

1 21 NCAC 56 .1702 is proposed for amendment as follows: 2 3 21 NCAC 56 .1702 **DEFINITIONS** 4 Terms used in this Section are defined as follows: 5 (1) Professional Development Hour (PDH) - A contact hour (nominal) of instruction or presentation. 6 The common denominator for other units of credit. 7 (2) Continuing Education Unit (CEU) - Unit of credit customarily used for continuing education 8 courses. One continuing education unit equals 10 contact hours of instruction or presentation. 9 (3) College/Unit Semester/Quarter Hour - Credit for Accreditation Board for Engineering and 10 Technology approved course or other related college course. Course/Activity - Any course or activity with a purpose and objective which will maintain, improve, 11 (4) 12 or expand the skills and knowledge relevant to the licensee's field of practice. 13 (5) Dual Licensee - A person who is licensed as both an engineer and a land surveyor. 14 (6) Sponsor - Organization or individual that has supplied information on a form prescribed and 15 furnished by the Board with respect to the organization or individual's ability to provide instruction 16 in "for credit" courses. Courses offered by those designated as "Sponsor" must contain a purpose 17 and objective, and result in the maintenance, improvement, or expansion of skills and knowledge 18 relevant to a licensee's field of practice. 19 Ethics and/or Rules of Professional Conduct - A qualifying course or activity with content areas (7) 20 related to (1) the awareness of ethical concerns and conflicts; (2) an enhanced familiarity with the 21 codes of conduct; (3) an understanding of standards of practice or care; (4) project management and 22 risk-assessment management; or (5) other similar topics aimed at maintaining, improving, or 23 expanding the skills set and knowledge relevant to conducting the practice of the profession so as 24 to protect the health, safety and welfare of the public. 25 (8) Standards of Practice for Land Surveying - A qualifying course or activity with content areas related 26 to (1) The Standards of Practice for Land Surveying in North Carolina, Board rules section .1600. 27 28 History Note: Authority G.S. 89C-10(a); 89C-17; 29 Eff. December 1, 1994; 30 Amended Eff. May 1, 2009; August 1, 2000; 31 Pursuant to G.S. 150B-21.3A, rule is necessary without substantive public interest Eff. April 27, 32 2019. 33 Amend<u>ed Eff.</u> ; 34

1 21 NCAC 56 .1703 is proposed for amendment as follows: 2 3 21 NCAC 56 .1703 REQUIREMENTS 4 Every licensee shall obtain 15 PDH units during the renewal period. Effective as of the 2024 license renewal, 1 PDH 5 of which shall be in Ethics and/or Rules of Professional Conduct, and in addition for Professional Land Surveyors 1 PDH shall be in the Standards of Practice for Land Surveying. If a licensee exceeds the annual requirement in any 6 7 renewal period, a maximum of 15 PDH units may be carried forward into the subsequent renewal period. Selection of 8 courses and activities that meet the requirements of Rule .1702(4) of this Section is the responsibility of the licensee. 9 Licensees may select courses other than those offered by sponsors. Post evaluation of the courses may result in non-10 acceptance by the Board. PDH units may be earned as follows: 11 (1) Completion of college courses; 12 (2) Completion of continuing education courses, seminars, or workshops; 13 (3) Completion of correspondence, televised, Internet, videotaped, audiotaped, and other courses or 14 tutorials, provided an exam is required for completion. No exam is required for attendance at a 15 webinar presentation if attendance is documented; 16 (4) Presenting or attending seminars, in-house courses, workshops, or professional or technical 17 presentations made at meetings, conventions or conferences; 18 (5) Teaching or instructing in Items (1) through (4) of this Rule; 19 (6) Authoring published papers, articles, or books; 20 (7) Active participation in professional or technical societies as defined in Rule .1705(f) of this Section; 21 (8) Patents; 22 (9) Authoring exam questions accepted for use in the engineering or land surveying exams; or 23 (10)Active participation on boards, commissions, committees or councils of private, local, state or 24 federal government entities as defined in Rule .1705(g) of this Section. Section; or 25 (11)Active participation in educational outreach activities pertaining to professional licensure or the 26 surveying/engineering professions that involve K-12 or higher education students. 27 28 History Note: Authority G.S. 89C-10(a); 89C-17; 29 Eff. December 1, 1994; 30 Amended Eff. August 1, 2014; August 1, 2011; May 1, 2009; August 1, 2000; August 1, 1998; 31 Pursuant to G.S. 150B-21.3A, rule is necessary without substantive public interest Eff. April 27, 32 2019. 33 Amended Eff. 34

1 21 NCAC 56 .1704 is proposed for amendment as follows: 2 3 21 NCAC 56 .1704 **UNITS** 4 The conversion of units of credit set forth in Rule .1703 of this Section to PDH units is as follows: 5 (1) 1 College or unit semester hour. 45 PDH (2) 30 PDH 6 1 College or unit quarter hour. 7 (3) 1 Continuing Education Unit. 10 PDH 8 (4) 1 Contact hour of professional development in course work, seminars, or professional or technical 9 presentations made at meetings, conventions or conferences, and for correspondence, televised, 10 Internet, videotaped, audiotaped, and other courses or tutorials. Contact hours equal the actual time 11 of instruction and shall be credited to the nearest one-third of an hour. 1 PDH 12 (5) For teaching in Items (1) – (4) of this Rule, PDH credits are doubled. Teaching credit is valid for 13 teaching a course or seminar for the first time only. Teaching credit does not apply to full-time 14 faculty, as defined by the institution where a licensee is teaching. 10 PDH 15 (6) Each published paper, article or book. 16 (7) Active participation in professional andor technical society, societies or in accrediting organizations. 17 (Each society or organization) 2 PDH 18 Each patent. 10 PDH (8)19 (9) 2 PDH Each question used. 20 (10)Active participation on boards, commissions, committees or councils 21 2 PDH of private, local, state or federal government entities. (Each entity) 22 Active participation in educational outreach activities pertaining (11)23 to professional licensure or the surveying/engineering professions that involve K-12 or higher education students. (Each hour) 24 1 PDH 25 (not to exceed 3 PDHs) 26 History Note: Authority G.S. 89C-10(a); 89C-17; 27 Eff. December 1, 1994; 28 Amended Eff. August 1, 2014; May 1, 2009; August 1, 2000; August 1, 1998; 29 Pursuant to G.S. 150B-21.3A, rule is necessary without substantive public interest Eff. April 27, 30 2019. Amended Eff. 31 32

1 21 NCAC 56 .1705 is proposed for amendment as follows: 2 3 21 NCAC 56 .1705 **DETERMINATION OF CREDIT** 4 (a) The Board of Examiners has final authority with respect to approval of courses, sponsors, credit, PDH value for 5 courses, and other methods of earning credit. Such determination shall meet Rule .1702(4) of this Section. 6 (b) Credit for college or community college courses shall be based upon course credit established by the college. 7 (c) Credit for continuing education courses, seminars and workshops shall be based on one PDH unit for each hour 8 of attendance. Attendance at programs presented at professional and technical society meetings shall earn PDH units 9 for the actual time of each program. 10 (d) Credit for correspondence, televised, Internet, videotaped, audiotaped, and other courses or tutorials, provided an 11 exam is required for completion, shall be based upon one PDH unit for each hour assigned to the course, provided 12 such hours are a reasonably estimated time for an average professional to complete the course. 13 (e) Credit determination for published papers, articles and books and obtaining patents is the responsibility of the 14 licensee. 15 (f) Credit for active participation in professional and or technical societies or accrediting organizations (limited to 2

visits. PDH credits are not earned until the end of each year of service is completed.
(g) Credit for active participation on boards, commissions, committees or councils of private, local, state or federal government entities (limited to 2 PDH per entity) requires utilizing engineering or land surveying knowledge (as applicable) in the active participation. PDH credits are not earned until the end of each year of service is completed.

PDH per society or organization), requires that a licensee serve as an officer or actively participate in a committee of

the society society or for accrediting organizations serve as an officer or participate in a committee or accreditation

History Note: Authority G.S. 89C-10(a); 89C-17;

Eff. December 1, 1994;

Amended Eff. August 1, 2014; August 1, 2011; May 1, 2009; August 1, 2000; August 1, 1998;

Pursuant to G.S. 150B-21.3A, rule is necessary without substantive public interest Eff. April 27, 2019.

Amended Eff.

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21 NCAC 56 .1707 is proposed for amendment as follows:

21 NCAC 56 .1707 EXEMPTIONS

- 4 A licensee is exempt from the professional development educational requirements for the following reasons:
 - (1) New licensees by way of examination or comity are exempt for their first renewal period.
 - (2) If currently licensed by and in good standing (license is not suspended or revoked) with the Board a licensee who is serving in the armed forces of the United States and who is eligible for an extension of time to file a tax return pursuant to G.S. 105-249.2 is granted a waiver of the mandatory continuing education requirements for the time period disregarded pursuant to the Internal Revenue Code 26 U.S.C. 7508.

The licensee shall request the waiver as follows:

- (a) The licensee shall notify the Board of eligibility before the current license expires. Upon such notification, the Board shall maintain the license in active status through the extension period.
- (b) If the licensee fails to notify the Board of eligibility for the extension period before the current license expires, upon receipt and acceptance of a renewal application within the extension period and presentation of proof that the licensee was eligible on the date that is the deadline for renewal, the expired license or registration shall be deemed retroactively to have not expired.
- (c) The licensee who submits a renewal application within the extension period shall not be deemed to hold a lapsed license subject to reinstatement fees.
- (d) The licensee may renew the license within the extension period despite failing to complete the specified continuing education requirements.
- (e) A licensee shall provide proof of eligibility for the extension period when the licensee or registrant submits the renewal application.

A request shall be administratively approved by the Executive Director, without waiting for the next regular meeting of the Board at which time the action shall be reported to the Board for final approval.

- (3) The Board shall exempt a licensee if the Board determines that the licensee is experiencing physical disability, illness, or other extenuating circumstances that prevent the licensee from obtaining professional development hours. Supporting documentation must be furnished to the Board. A request shall be administratively approved by the Executive Director, without waiting for the next regular meeting of the Board at which time the action shall be reported to the Board for final approval.
- (4) Licensees who list their occupation as "Inactive" on the Board approved renewal form and who are no longer providing professional engineering or land surveying services are exempt from the professional development hours required. In the event such a person elects to return to active

1		practice of professional engineering or land surveying, professional development hours must be
2		earned in accordance with the requirements of Rule .1708 in this Section before returning to active
3		practice for each year exempted not to exceed the annual requirement for two years.
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5	History Note:	Authority G.S. 89C-10(a); 89C-17; 93B-15;
6		Eff. December 1, 1994;
7		Amended Eff. August 1, 2011; May 1, 2009; August 1, 2000; February 1, 1996;
8		Pursuant to G.S. 150B-21.3A, rule is necessary without substantive public interest Eff. April 27,
9		2019.
10		Amended Eff.
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21 NCAC 56 .1713 is proposed for amendment as follows:

21 NCA	C 56 .1713	SPONSORS

- 4 (a) The Board shallmay approve sponsors of Continuing Professional Competency (CPC) activities. The Board shallmay maintain a list of sponsors which have agreed to conduct programs in accordance with the standards of CPC activities set forth in 21 NCAC 56. 1700. Such sponsors shall indicate their agreement with the requirements by executing a Sponsor Agreement on a form provided by the Board. These sponsors shall be designated as "Approved Sponsors" based upon approval by the Board of the sponsor application and payment of a one hundred fifty dollar
- 9 (\$150.00) application fee.
- 10 (b) By entering into an agreement with the Board to be designated as an "Approved Sponsor," the sponsor shall agree to:
 - (1) Allow persons designated by this Board to attend any or all courses, without fee or charge, for the purpose of determining that said course meets the standards of the Board;
 - (2) Allow persons designated by this Board to review course material for the purpose of determining that the course meets the standards of the Board:
 - (3) State in every brochure, publication or announcement concerning the course, the general content of the course and the specific knowledge or skill to be taught or addressed, as well as the credit to be earned in Professional Development Hours (PDH);
 - (4) Ensure that the instructors or presenters of the course or program are qualified to teach the subject matter;
 - (5) Provide persons completing the course with written documentation attesting to that person's attendance to the course, as well as the name of the course, the date and location held, the instructor's name and the number of PDHs earned;
 - (6) Provide attendees an evaluation form as provided by the Board that is to be collected and retained for audit by the Board;
 - (7) Have a visible, continuous and identifiable contact person who is charged with the administration of the sponsor's CPC program and who has the responsibility for assuring and demonstrating to the Board compliance with this Rule, as well as for any other organization working with the sponsor for the development, distribution or presentation of CPC courses or activities; and
 - (8) Retain for a period of three years a copy of the documentation required by this Paragraph.
 - (c) Sponsors shall renew annually on a form provided by the Board.
 - (d) Failure of an approved sponsor to comply with the terms of the CPC sponsor agreement is grounds for the Board to revoke, suspend or terminate the agreement, to remove the sponsor's name from the list of approved sponsors and to notify the public of such action. A sponsor that is given notice of revocation, suspension or termination may request an administrative hearing to be conducted as provided in 21 NCAC 56 .1400 Contested Cases.
- 36 (e) Approval of a sponsor is equivalent to the language of licensing a sponsor in G.S. 89C-10(h).

1	History Note:	Authority G.S. 89C-10; 89C-17;
2		Eff. February 1, 1996;
3		Amended Eff. August 1, 2011; July 1, 2009; August 1, 2002;
4		Pursuant to G.S. 150B-21.3A, rule is necessary without substantive public interest Eff. April 27,
5		2019.
6		Amended Eff
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