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## Action

### *Credentialing and Certificated Assignments Committee*

## **Proposed Amendments and Additions to 5 California Code of Regulations Pertaining to the Mathematics Instructional Added Authorization and Leadership Specialist Credential**

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**Executive Summary:** This agenda item presents proposed amendments and additions pertaining to the Mathematics Instructional Added Authorization and Leadership Specialist Credential.

**Recommended Action:** Staff recommends that the Commission approve the proposed amendments and additions to the regulations concerning the Mathematics Instructional Added Authorization and Leadership Specialist Credential for the purpose of beginning the rulemaking file for submission to the Office of Administrative Law and scheduling a public hearing

In addition, staff recommends that the Preconditions and Standards previously approved for the Mathematics Instructional Certificate be entitled the Mathematics Instructional Added Authorization Preconditions and Standards.

**Presenter:** Tammy A. Duggan, Assistant Consultant, Certification, Assignment and Waivers Division

#### **Strategic Plan Goal: 1**

#### **Promote educational excellence through the preparation and certification of professional educators**

- ◆ Grant credentials, certificates and permits as set out in regulation and statute

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# **Proposed Amendments and Additions to 5 California Code of Regulations Pertaining to the Mathematics Instructional Added Authorization and Leadership Specialist Credential**

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## **Introduction**

This agenda item presents amendments and additions to Title 5 of the California Code of Regulations pertaining to the Mathematics Instructional Added Authorization and Leadership Specialist Credential.

Proposed changes include updating the title for the Mathematics Instructional Leadership Specialist Credential; updating the requirements and authorizations for the Mathematics Instructional Leadership Specialist Credential; and adding regulations and authorizations for the Mathematics Instructional Added Authorization.

## **Background**

The Commission directed staff to convene a Teaching Mathematics Advisory Panel (TMAP), which would include representatives from key stakeholder groups, to investigate the need for updating and revising the Mathematics Specialist Credential program standards in light of California K-Algebra I students' poor performance in learning mathematics. Staff developed an application that was publicized widely through the Commission's website, mathematics professional associations, the California Subject Matter Projects, and the Professional Services Division weekly e-news. Executive Director Dale Janssen appointed twenty members to the panel following a review of a large number of applications for the panel. The members were selected based on their expertise in mathematics and mathematics instruction. The panel membership represents diversity with respect to organizational affiliation, geographic region, and credentials held. In addition, a consultant from the California Department of Education (CDE) served as a liaison to the panel.

First, the panel proposes creating the Mathematics Instructional Added Authorization (MIAA). In considering what knowledge, skills, and experience a MIAA holder should have, the panel agreed that an individual with this authorization should be required to complete advanced preparation and field experience in both mathematics content and the pedagogy of mathematics above and beyond what is required for the multiple subject teaching credential. In addition, the panel recognized that within the MIAA option, some teachers would have the prerequisite math content mastery to obtain an added authorization that would go through but not beyond the level of mathematics typically taught in Kindergarten through Pre-Algebra, whereas other teachers might possess the math content that would authorize the teaching of mathematics in Kindergarten through Algebra I.

Further, the panel proposes revising and renaming the Specialist Instruction Credential in Mathematics to the Mathematics Instructional Leadership Specialist (MILS) Credential. As supported by the panel, this authorization recognizes a higher level of specialized skills that will

allow an individual to not only provide support to teachers, but also provide leadership at the K-12 level with respect to the teaching and learning of mathematics.

**Proposed Additions and Amendments**

New regulations are proposed to establish the Mathematics Instructional Added Authorization. Regulations for the current Mathematics Specialist Credential are proposed to be updated. For the Mathematics Instructional Added Authorization, the proposed regulations will:

- 1) add the title of Mathematics Instructional Added Authorization,
- 2) establish the requirements to earn the two levels of the document, and
- 3) establish authorization statements.

For the Mathematics Specialist Credential, the proposed regulations will:

- 1) change the title to Mathematics Instructional Leadership Specialist Credential,
- 2) update the requirements and authorization statements, and
- 3) set a sunset date for the issuance of the ‘current’ Mathematics Specialist Instruction Credential for out-of-state prepared teachers.

Proposed Regulation Changes	Rationale
<p><b><u>§ 80069.2. Specific Requirements for the Mathematics Instructional Added Authorization.</u></b></p> <p><u>(a) The minimum requirements for the Mathematics Instructional Added Authorization shall include (1) through (5):</u></p> <p><u>(1) possession of a valid basic California teaching credential as defined in Education Code section 44203(e) and an English learner authorization;</u></p> <p><u>(2) verification of three years of successful full-time teaching experience in any grades preschool through adult, exclusive of student teaching, intern teaching, or teaching while holding an emergency or teaching permit. The candidate shall be responsible for obtaining verification of this experience on the official letterhead of the district or districts by the superintendent, assistant superintendent, director of personnel, or director of human resources in which the teacher was employed;</u></p> <p><u>(3) completion of a professional preparation program, including successful completion of supervised field experience, accredited by the Committee on Accreditation as specified in Education Code section 44373(c) for the Mathematics Instructional Added</u></p>	<p><i>Title</i> Adding a T5 section that creates the new authorization and details the requirements, term and authorizations for the MIAA.</p> <p><i>(a)</i> Prefaces the list of requirements for the MIAA.</p> <p><i>(a)(1)</i> Describes the type of prerequisite credential required for the MIAA and that the applicant must hold an English learner authorization as recommended by the TMAP.</p> <p><i>(a)(2)</i> Establishes the teaching experience requirement for the MIAA.</p> <p><i>(a)(3)</i> Requires completion of a Commission-accredited program for issuance of the MIAA at one of two available levels.</p>

<p><u>Authorization at one of the levels specified below:</u></p> <p><u>(A) mathematics content typically included in curriculum guidelines and textbooks up to and including Algebra I; or</u></p> <p><u>(B) mathematics content typically included in curriculum guidelines and textbooks up to and including Algebra II;</u></p> <p><u>(4) a completed application form as listed in section 80001(b)(2) and the appropriate fee as specified in section 80487(a)(1); and</u></p> <p><u>(5) recommendation from a Commission-approved Mathematics Instructional Added Authorization program as specified in Education Code section 44227(b).</u></p> <p><u>(b) Term.</u></p> <p><u>The Mathematics Instructional Added Authorization issued on the basis of the completion of all requirements shall remain valid as long as the prerequisite credential listed in subdivision (a)(1) remains valid.</u></p> <p><u>(c) Authorization. The Mathematics Instructional Added Authorization authorizes the holder the following:</u></p> <p><u>(1) to teach mathematics in grades twelve and below, including preschool and classes organized primarily for adults as follows:</u></p> <p><u>(A) individuals who complete the program specified in (a)(3)(A) are authorized to teach the mathematics content typically included in curriculum guidelines and textbooks up to and including pre-Algebra; or</u></p> <p><u>(B) individuals who complete the program specified in (a)(3)(B) are authorized to teach mathematics content typically included in curriculum guidelines and textbooks up to and including Algebra I; and</u></p> <p><u>(2) develop and coordinate mathematics curriculum; coach mathematics teachers; design and implement intensive mathematics interventions; teach teachers to effectively intervene, accommodate, and differentiate their</u></p>	<p><b>(a)(3)(A)</b> Describes one of two available program levels.</p> <p><b>(a)(3)(B)</b> Describes the second of two available program levels.</p> <p><b>(a)(4)</b> Details the application and fee required for the MIAA.</p> <p><b>(a)(5)</b> Requires recommendation for the MIAA from an approved program via the online recommendation system.</p> <p><b>(b)</b> Establishes the term for the MIAA.</p> <p><b>(c)</b> Establishes the authorization for the MIAA.</p> <p><b>(c)(1)</b> Lists the grade level authorization for the MIAA and prefaces the two available levels.</p> <p><b>(c)(1)(A)</b> Details the first available authorization for individuals who complete the program described in (a)(3)(A).</p> <p><b>(c)(1)(B)</b> Details the second available authorization for individuals who complete the program described in (a)(3)(B).</p> <p><b>(c)(2)</b> Details the remaining areas authorized by both levels of the MIAA.</p>
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<p><u>mathematics instruction to increase student engagement and proficiency in mathematics; and develop programs and deliver staff development for mathematics education programs at the school site level.</u></p> <p>Note: Authority cited: Section 44225(q), Education Code. Reference: Sections 44225(b) and (e), 44227(b), 44256(c), 44265, and 44373(c), Education Code.</p>	<p><i>Note</i> Cites the relevant EC references for the proposed new T5 section.</p>
<p><b><u>§ 80070. Specific Requirements for the Professional-Clear Mathematics Instructional Leadership Specialist Credential and the Mathematics Specialist Instruction Credential.</u></b></p> <p>(a) The minimum requirements for the <del>professional-clear</del> Mathematics <del>Specialist</del> Instructional Leadership Specialist Credential for applicants who complete a professional preparation program in California shall include (1) through (3<del>5</del>):</p> <p>(1) possession of a valid basic California teaching credential as defined in Education Code <del>§</del>section 44203(e) and an English learner authorization;</p> <p>(2) <u>verification of three years of successful full-time teaching experience in any grades preschool through adult, exclusive of student teaching, intern teaching, or teaching while holding an emergency or teaching permit. The candidate shall be responsible for obtaining verification of this experience on the official letterhead of the district or districts by the superintendent, assistant superintendent, director of personnel, or director of human resources in which the teacher was employed;</u></p> <p>(<del>2</del>3) completion of a post baccalaureate professional preparation program accredited by the Committee on Accreditation, as specified in Education Code section 44373(c), for the Mathematics <del>Specialist</del> Instructional Leadership Specialist Credential, including successful completion of supervised <del>student teaching</del> <u>field experience</u> appropriate to the specialization area, at one of the levels specified below: <del>and</del></p> <p>(A) <u>mathematics content typically included in curriculum guidelines and textbooks up to and including Algebra I; or</u></p> <p>(B) <u>mathematics content typically included in</u></p>	<p><i>Title and (a)</i> Deleting ‘professional’ due to amendments to EC §44277 that deleted professional growth renewal requirements and adding the new credential name as recommended by the TMAP. Also amended the (3) to a (5) due to the proposed additional requirements.</p> <p><i>(a)(1)</i> Adding language requiring that the applicant hold an English learner authorization as recommended by the TMAP.</p> <p><i>(a)(2)</i> Adding an experience requirement that was not previously listed in regulations.</p> <p><i>(a)(3)</i> Renumbered from (a)(2) due to the addition of the experience requirement. Adding the EC section pertaining to the COA and updating the credential name. Also amending ‘student teaching’ to ‘field experience’ to accurately reflect the program requirement and adding language prefacing the two available program levels.</p> <p><i>(a)(3)(A)</i> Describes one of two available program levels.</p> <p><i>(a)(3)(B)</i> Describes the</p>

<p style="text-align: center;"><u>curriculum guidelines and textbooks up to and including Algebra II;</u></p> <p>(4) <u>a completed application form as listed in section 80001(b)(2) and the appropriate fee as specified in section 80487(a)(1); and</u></p> <p>(35) <u>the recommendation from a regionally accredited institution of higher education that has a Commission-approved Mathematics Instructional Leadership Specialist Credential program accredited by the Committee on Accreditation in the professional clear credential sought as specified in section 44227(b).</u></p> <p>(b) The minimum requirements for the <del>professional</del>-clear Mathematics Specialist Instruction Credential for applicants who complete a professional preparation program outside California shall include (1) <del>and</del> <u>through (24)</u>. Applicants may apply directly to the Commission for the <del>professional</del> clear Mathematics Specialist Instruction Credential under this section:</p> <p>(1) <u>possession of a valid California teaching credential as defined in Education Code §section 44203(e) and an English learner authorization; and</u></p> <p>(2) <u>verification of three years of successful full-time teaching experience in any grades preschool through adult, exclusive of student teaching, intern teaching, or teaching while holding an emergency or teaching permit. The candidate shall be responsible for obtaining verification of this experience on the official letterhead of the district or districts by the superintendent, assistant superintendent, director of personnel, or director of human resources in which the teacher was employed;</u></p> <p>(23) <u>completion of a post baccalaureate professional preparation program comparable to a program accredited by the Committee on Accreditation for the Mathematics Specialist Instruction Credential, including successful completion of supervised student teaching field experience appropriate to the specialization area but taken outside California. The program must be from a regionally accredited institution of higher education and approved by the appropriate state agency where the course work was</u></p>	<p>second of two available program levels.</p> <p>(a)(4) Adding a new subsection to detail the application and fee requirement.</p> <p>(a)(5) Renumbered from (a)(3) due to the addition of the experience and application/fee requirements. Also adding the EC section that requires online recommendation and deleting the redundant COA reference.</p> <p>(b) Deleting ‘professional’ due to amendments to EC §44277 that deleted professional growth renewal requirements and amending the (2) to (4) due to additional proposed requirements.</p> <p>(b)(1) Adding language requiring that the applicant hold an English learner authorization as recommended by the TMAP.</p> <p>(b)(2) Adding an experience requirement that was not previously listed in regulations.</p> <p>(b)(3) Renumbered from (b)(2) due to the addition of the experience requirement and amending ‘student teaching’ to ‘field experience’ to accurately reflect the program requirement.</p>
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<p>completed; and</p> <p>(4) <u>a completed application form as listed in section 80001(b)(2) and the appropriate fee as specified in section 80487(a)(1).</u></p> <p>(c) Term.</p> <p>The <del>professional</del> <u>clear Mathematics Instructional Leadership Specialist Credential and the Mathematics Specialist Instruction Credential</u> issued on the basis of the completion of all requirements shall be dated <del>per Title 5 Section 80553</del> <u>as follows:</u></p> <p>(1) <u>If the basic teaching credential listed in (a)(1) or (b)(1) is valid for five years or less from the issuance date of the Mathematics Instructional Leadership Specialist Credential or the Mathematics Specialist Instruction Credential, the credential shall be valid from the issuance date established in section 80440 and will expire on the expiration date of the basic teaching credential.</u></p> <p>(2) <u>If the basic teaching credential listed in (a)(1) or (b)(1) is valid for more than five years from the issuance date of the Mathematics Instructional Leadership Specialist Credential or the Mathematics Specialist Instruction Credential, the credential shall be valid for five years from the issuance date established in section 80440 and will expire the first day of the following month.</u></p> <p>(d) Authorization.</p> <p>(1) The Mathematics Specialist Instruction Credential authorizes the holder to teach mathematics in grades twelve and below, including preschool, and in classes organized primarily for adults. <del>This credential also authorizes the holder to</del></p> <p>(2) <u>The Mathematics Instructional Leadership Specialist Credential authorizes the holder to teach mathematics in grades twelve and below, including preschool and classes organized primarily for adults as follows:</u></p> <p><u>(A) individuals who complete the program specified in (a)(3)(A) are authorized to teach the mathematics content typically included in curriculum guidelines</u></p>	<p>(b)(4) Adding a new subsection to detail the application and fee requirement.</p> <p>(c) Deleting ‘professional’ due to amendments to EC §44277 that deleted professional growth renewal requirements and adding the MILS credential. Deleting reference to T5 §80553 pertaining to ‘professional clear’ credentials and adding ‘as follows’ to preface new subsections.</p> <p>(c)(1) Establishes the term when the prerequisite is a valid for five years or less.</p> <p>(c)(2) Establishes the term when the prerequisite is valid for more than five years.</p> <p>(d)(1) Adding new subsection to distinguish the authorization of the previously issued specialist from the new MILS credential and deleting language that will be included in subsections (3)(A) through (3)(G).</p> <p>(d)(2) Lists the grade level authorization for the MILS and prefaces the two available levels.</p> <p>(d)(2)(A) Details the first available authorization for individuals who complete the</p>
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<p><u>and textbooks up to and including pre-Algebra; or</u></p> <p><u>(B) individuals who complete the program specified in (a)(3)(B) are authorized to teach mathematics content typically included in curriculum guidelines and textbooks up to and including Algebra I;</u></p> <p><u>(3) The Mathematics Specialist Instruction Credential and the Mathematics Instructional Leadership Specialist Credential also authorize the holder to:</u></p> <p><u>(A) develop and coordinate mathematics curriculum;</u></p> <p><u>(B) coach mathematics teachers;</u></p> <p><u>(C) design and implement intensive mathematics interventions;</u></p> <p><u>(D) teach teachers to effectively intervene, accommodate, and differentiate their mathematics instruction to increase student engagement and proficiency in mathematics;</u></p> <p><u>(E) provide leadership in selecting the mathematics curricula and in developing a district-, county- or state-wide cadre of mathematics teacher leaders;</u></p> <p><u>(F) analyze and use data to restructure school and district mathematics programs to increase students' college-readiness; and</u></p> <p><u>(G) develop programs and deliver staff development for mathematics education programs coordinated by school districts or county offices of education.</u></p> <p><u>(e) The clear Mathematics Specialist Instruction Credential specified in (b) shall not be initially issued after October 1, 2011. Individuals who are issued a Mathematics Specialist Instruction Credential on or before October 1, 2011 will be issued a Mathematics Instructional Leadership Specialist Credential with the authorizations specified in (d)(1) and (d)(3) upon renewal.</u></p>	<p>program described in (a)(3)(A).</p> <p><b>(d)(2)(B)</b> Details the second available authorization for individuals who complete the program described in (a)(3)(B).</p> <p><b>(d)(3)</b> Adding new subsection that prefaces the remaining authorizations for the specialist credential and both levels of the MILS.</p> <p><b>(d)(3)(A) through (d)(3)(G)</b> Adding additional authorization language that more accurately reflects the competencies gained through program completion.</p> <p><b>(e)</b> Adding a new subsection to set the sunset date for issuance of Mathematics Specialist Instruction Credentials to out-of-state prepared teachers and to explain the conversion of previously issued specialist credentials to the MILS after October 1, 2011. <i>Note</i> EC §§ 44227(b) and</p>
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Note: Authority cited: Section 44225(q), Education Code.  
Reference: Sections 44225(b) and (e), 44227(b), 44251,  
44256(c), ~~and 44265~~, ~~and 44373(c)~~, Education Code.

44373(c) added due to the proposed amendments described above. Also added EC § 44251 pertaining to renewal of clear credentials.

**Staff Recommendations**

Staff recommends approval of the proposed amendments and additions to 5 California Code of Regulations in order to schedule a public hearing following the required 45-day response period.

Staff further recommends that the name of the Preconditions and Standards for the Mathematics Instructional Certificate be changed to the Mathematics Instructional Added Authorization Preconditions and Standards.