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CBRS Certified Professional Installer Accreditation
Technical Specification

1 Introduction
Citizens Broadband Radio Service (CBRS) provides for a sophisticated multi-tier shared spectrum with protected incumbents. Pursuant to the FCC, CBRS radio transceivers or CBSDs operating as Category A under certain requirements and all CBSDs operating as Category B must be installed by a Certified Professional Installer (CPI) in order to lawfully operate within the designated spectrum of CBRS. In order to meet the FCC Part 96 rules, CPIs must be trained and currently certified. This document provides a working outline of how training programs for CPI will be achieved.

2 Scope
This Technical Specification sets forth the accreditation requirements including the creation of an Accrediting Body (i.e., the WInnForum™), to oversee training curriculum and training programs. It provides the criteria to certify a training program and maintain valid certification records of both the training program and the CPI. It further sets forth review and discipline processes for CPIs.

The key words "required", "shall", "shall not", "should", "should not", "recommended", "may", and "optional" in this document are to be interpreted as described in RFC-2119 [n.3]. In addition, the key word “conditional” shall be interpreted to mean that the definition is an absolute requirement of this specification only if the stated condition is met.

3 References

3.1 Normative References
The following referenced documents are necessary for the application of the present document.

3.2 Informative References
4 Abbreviations and Definitions

Accreditation Standard: The standard defining how a Training Program Administrator can be accredited to run a CPI Training Program. (This standard.)

Accrediting Body: Entity that accredits a Training Program Administrator to offer a CPI Training Program based on the Accreditation Standard. As of the publication of this version of this standard, “Accrediting Body” refers to the Wireless Innovation Forum (WInnForum™).

CA: Certificate Authority

CBRS: Citizens Broadband Radio Service.

CBSD: Citizens Broadband Radio Service Device

CPI: Certified Professional Installer

CPI Training Program Administrator: Entity such as a Network Equipment Operator, an equipment vendor, a SAS operator, or a third-party training organization that develops a CPI Training Program, gains accreditation, administers an objective certification test and maintains CPI records.

CPI Training Program: Mandatory training/curriculum required by the CPI Training Program Administrator as a prerequisite for taking the objective certification test.

CPIR-ID: Certified Professional Installer Registration Identification

ESC: Environmental Sensing Capability

EUD: End User Device

FCC: Federal Communications Commission

GAA: General Authorized Access

GWBL: Grandfathered Wireless Broadband Licensee

PAL: Priority Access License

PKI: Public Key Infrastructure

RFP: Request for Proposal

SAS: Spectrum Access System

WInnForum™: The Wireless Innovation Forum
5 Description of CPI Responsibilities

5.1 General

FCC requires that a CBSD’s location information be recorded at SAS as part of the CBSD registration process. Location determination may be carried out via automated geolocation technologies or may be entered into the SAS by a professional installer.

When a CBSD is installed by a professional installer, subsequent CBSD movements shall be reported by a professional installer as well.

Given the importance of accurate reporting of CBSD installation parameters by professional installers, it is important for the SAS and user community, through multi-stakeholder fora or industry associations, to develop programs for accrediting professional installers who receive training in the relevant Part 96 rules and associated technical best practices. Section 154(f)(4)(D) of the Communications Act authorizes the Commission “to endorse certification of individuals to perform transmitter installation, operation, maintenance, and repair duties in the private land mobile services and fixed services (as defined by the Commission by rule) if such certification programs are conducted by organizations or committees which are representative of the users in those services and which consist of individuals who are not officers or employees of the Federal Government.”

5.2 CPI Responsibilities

Section 10 of the WinForum Operational and Functional Requirements Specification lists the requirements for Certified Professional Installation (ref. [n.1]).

6 CPI Training Programs

6.1 Qualifications for administering a CPI Training Program

Training Program Administrators shall certify in the application/proposal that they have the right to conduct business and are in compliance with all relevant local, state, and Federal laws and regulations. A Training Program Administrator shall demonstrate the capacity to provide training through a compliant training program proposal that can be reviewed by the Accreditation Body as identified in the Sections herein.

The Accredited Training Program Administrator shall be responsible for protection of any certificates procured from the CA as established by the CA.

6.2 Application of the Training Program for Accreditation

An applicant Training Program Administrator may apply at any time to the Accrediting Body for accreditation of a CPI Training Program. At that time, the applicant shall submit to the Accrediting Body the following information [R2-CPI-07.b]:

a. Name of Training Program Administrator,
b. Accreditation review history, if any,
c. Attestation that the Training Program Administrator has the right to conduct business and is in compliance with all relevant local, state, and Federal laws and regulations,
d. Legal identity of responsible party or parties,
e. Contact information for responsible party,
f. The curriculum developed by the Administrator which will constitute the CPI Training Program,
g. The objective certification criteria the Administrator will use to certify successful completion of the CPI Training Program by trainees,
h. The continuing education requirements to be imposed by the CPI Training Program Administrator on CPIs trained by the program,
i. A plan for record-keeping complying with the CPI Training Program requirements,
j. A relationship with an WinnForum PKI provider.

6.3 Maintenance of records on instruction and CPI participation

A CPI Training Program shall keep records concerning trainees and certified installers per Section 7.3.

6.4 CPI Training Program Curriculum Evaluation by the Accrediting Body

The Accrediting Body shall review the applicant’s CPI Training Program to assure that the CPI shall have a full and strong operational understanding of the following curriculum areas:

a) **Role of the CPI**: CPI roles and responsibilities and the importance of the CPI role in the CBRS ecosystem.
b) **Accredited CPI Training Program**: A working understanding of:
   - the CPI training program,
   - the accreditation process,
   - certification requirements,
   - objective testing,
   - continuing education,
   - record keeping,
   - additional instructional information requirements of the CPI to attain and keep valid certification to perform CPI duties,
   - mandatory training including requirements and industry standards, and
   - practices versus additional training offerings which are optional.
c) **Understanding of the CBRS Band and its Tiers**: The structure of the CBRS band, including the support of incumbent, PAL, and GAA users. (Three-tier architecture).
d) **CBRS and CBSD Devices**: Types of CBSDs (and non-CBSD CBRS ecosystem devices such as an EUD) including examples of such devices. This curriculum area shall include the definitions of Category A and B operations of CBSDs and examples of such. In addition, the CPI shall have an explanation and working understanding of when a CBSD
operating as Category A is required to be professionally installed (such as when equipment is not capable of determining its own location, or power exceeds a certain level).

e) **Devices Versus Users**: Impacts of CBSDs on other users of the band, including incumbent users and Grandfathered Wireless Broadband Licensees (GWBL).

f) **SAS Role Protecting Incumbents**: High-level responsibilities of the SAS to protect incumbent and PAL users of the band from harmful interference, as well as an understanding of the need to protect ESC sensors and an understanding of ESC purpose, and to facilitate coordination among GAA users and resolve conflicting uses of the band. This curriculum area shall include the SAS ecosystem functional architecture and explain the roles of the architectural elements.

 g) **Radio Characteristics and Interference**: The radio characteristics of the CBRS band, spectrum, equipment, location, parameters and an explanation of what constitutes harmful interference.

h) **CBSD: Registration Parameters**: An enumeration of the CBSD registration parameters which Part 96 defines or are required by the industry standards, with an explanation of:

   - Each CBSD registration parameter including examples of how the parameter can be measured by the CPI,
   - Different types of registration parameters including “Required”, “REG-Conditional”, and “Optional” based on the SAS-CBSD protocol [n.4],
   - How each REG-Conditional parameter can be obtained and provided to a CBSD or a SAS by the CPI,
   - The consistent use of parameter names, types, and units that shall be employed by all Training Programs.

i) **CPI May Provide Group Identifiers in Registration**: Identifiers that the CPI may be required to provide while registering a CBSD along with information about any optional CBSD group identifier may be specified to the SAS along with other required device information, as well as an explanation that if present, such a group identifier designates a CBSD as a member of a particular group or network of CBSDs to the SAS.

j) **CBSDs Interaction with SAS**: The interaction of a CBSD with the SAS including but not limited to registration and all registration parameters, spectrum requests, grants, heartbeats, transmission, suspension, revocation, reassignment, and deregistration.

k) **CPI Entering Optional Vendor Specific Information to the SAS**: The CPI shall understand and be able to accurately enter, where required by the SAS, vendor-specific information about the CBSD being installed. The CPI shall be made aware that various SAS implementations have specific user interfaces and features and they may differ SAS to SAS. The CPI shall be able to demonstrate accurate understanding that a SAS may require additional non-standard registration information.

l) **CPI Identification and Authentication**: CPIs shall demonstrate accurate knowledge of all the rules and requirements of authenticating themselves as a current and valid authorized CPI. This includes but is not limited to their CPIR-ID and required trust based certification and required digital certificate (PKI) or other type of signature. A working understanding of where CBRS data is kept including but not limited to CPI credentials and trust certificates.

m) **Spectrum Assignment**: An explanation of how spectrum assignment occurs in CBRS. An explanation and understanding of PPAs.
n) **Domain Proxy Information:** A full explanation of the process of the use of a Domain Proxy. The CPI shall be made aware that various Domain Proxy implementations may have specific user interfaces and features and they may differ.

o) **Training Examples (Use Examples):** A minimum number of worked examples, both indoors and outdoors, including examples of CBSDs operating as Category A or B, providing training examples illustrating the gathering and entering to completion of a full set of CBSD registration data for a particular CBSD or set of CBSDs.

p) **Responsibilities of the CPI and Information Gathering:** An explanation of the responsibility of the CPI to seek out methods for gathering CBSD registration data for unfamiliar equipment, and the responsibility to do so accurately before providing such data to the SAS. An explanation of the processes whereby collected information may be validly provided to the SAS by a CPI (e.g. by SAS interface or other permitted means).

q) **Data Required – Regulatory or Industry Based:** An explanation of the relationship of the Part 96 registration data to any other industry-defined data which may be required to be collected and provided to the SAS as part of the installation process for particular CBSD equipment.

r) **CPI Duty to Enter Accurate Information to SAS:** An explanation that the CPI is fully responsible for all required CBSD registration data reported to the SAS, even when working with other people or systems which may assist in gathering such data. An example of this includes determining, entering, and reporting to the SAS accurate geographic coordinates data to a degree of accuracy required by the regulations and standards.

s) **Understanding When Equipment May Not Be Allowed to be Registered or Installed by a CPI:** An understanding of when a CBSD or other equipment may not be permitted to be professionally installed by a CPI such as when it is blacklisted, registration is previously revoked, un-approved equipment, or is not the correct or appropriate equipment for CBRS as permitted by the rules.

t) **Understanding of Complete Registration Information Required:** A CPI shall demonstrate knowledge that the SAS may reject information as incomplete, inaccurate, not allowed, or not in the correct format.

u) **Correcting Inaccurate Data:** The obligation that a CPI interface with the SAS to correct inaccurate data discovered in the course of operations. An explanation of the requirement that the SAS Administrator holds the CPI responsible for accurate data entry, and an explanation of the responsibility for the CPI to correct the inaccurately entered data.

v) **Entering or Providing Registration Data to the SAS:** The CPI shall have a working understanding of choices of available methods for properly conveying registration and other required data to the SAS. This includes a working understanding of available SAS interfaces and other means of communicating with the SAS for an installation as well as how to communicate with the SAS administrator. An understanding of how to retrieve data from the SAS or SAS Administrator for review and modification of CBSD registration data.

w) **When a CPI is Required:** The CPI shall demonstrate a full understanding of when a CBSD requires CPI installation.

x) **Division of Responsibility in CBRS:** The division of responsibility between the CBSD Owner, the CPI and the SAS in the installation, registration, grant request, and other CPI processes and ongoing operations.
y) **CPI Keeping Current and Retraining/Certification:** The ongoing responsibilities of a CPI to maintain current registration with the Training Program to receive notice of any updates to Part 96 regulations or other applicable and relevant regulatory requirements, standards or protocol requirements or Training Program requirements, as well as periodic renewal of certification status. An awareness that the CPI shall stay abreast of technologies, formats, interfaces and other vendor and SAS related information which will be necessary to carry out the CPI duties.

z) **Accuracy Checks of Data Entered by CPI:** Awareness of the CPI that CPI data will be subject to accuracy checks by other parties and systems; and the obligation to provide correct data and correct any incorrectly entered data.

aa) **Corrective Action for Inaccuracies:** The corrective, disciplinary or legal actions the Training Program Administrator or regulatory entities will be entitled to take pursuant to inaccuracies in data provided to the SAS by a CPI.

bb) **Discipline for Negligence and Willful Negative Acts of CPI in the Performance of their Duties:** Any actions available to the Federal Government pursuant to negligence or willful misuse of the powers of a CPI. An outline or explanation of legal consequences and alternatives based on this discipline.

c) **CPI Certification is Held by CPI not Employer:** The rights and responsibilities of CPI Certification including but not limited to information that the rights and obligations of CPI Certification are held by the CPI and not an employer.

dd) **Who May Work With a CPI:** Knowledge that a CPI may work with other personnel, such as installers or for an employer, but that ultimately the responsibility of the CPI’s duties are solely the CPI’s responsibility no matter if another assists in the process or who employs the CPI.

e) **Providing CBSD Serial Number for DAS and multi-sector Systems:** For the Distributed Antenna Systems (DAS), and Remote Radio Heads (RRH), the CPI shall use mechanisms to enable the managing SAS to associate those DASs, RRHs, or sectors with CBSDs, and provide independence and recognition for those devices during CBSD registration process with the SAS. The same applies to multi-sector BTSs (Base Transceiver Stations), where each sector is registered as an independent CBSD. The mechanism by which these objectives are met could be proprietary. One such example is proposed in WinnF-TR-5001.

ff) **Guideline for Indoor-Outdoor determination of a CBSD:** The CPI shall attest whether the CBSD is operating indoor or outdoor as part of the registration parameters. A CPI may follow guidelines for determining the indoor-outdoor deployment of a CBSD. One such guideline is provided in WinnF-TR-5001.

gg) **Guideline for calculating outdoor CBSD Height Above Average Terrain (HAAT):** A CPI may follow the guideline provided in WinnF-TR-5001 for calculating the outdoor CBSD Height Above Average (HAAT) in order to identify correct category of CBSDs with maximum certified EIRP at or below 30 dBm/10 MHz that are deployed outdoor.

### 6.5 Non-curriculum review of operational procedures of a CPI Training Program

The Accrediting Body shall review the application of a CPI Training Program Administrator applicant for compliance with the CPI Training Program requirements.
6.6 Accreditation of a CPI Training Program

Upon positive review by the Accrediting Body, the CPI Training Program submitted by the applicant shall be accredited for a period not to exceed five years [R2-CPI-07.a]. At the end of an accreditation period set by the Accrediting Body, and upon any substantial changes to the CPI Training Program, the CPI Training Program Administrator shall re-apply to the Accrediting Body for re-accreditation.

As a condition of accreditation, the applicant shall sign a contract with the Accrediting Body agreeing to abide by the operational requirements of the Accrediting Body, including:

a. Timely updates to this information when it changes,

b. A commitment to maintain in an up-to-date fashion the proper documentation on curriculum, instructors, and trainees and CPIs which have passed through the Training Program, and an agreement to transfer any such records to the custody of the Accrediting Body or another accredited CPI Training Program Administrator should the Administrator cease operations, (ref [n.1] requirements R2-CPI-07.c, R2-CPI-06.a).

c. An agreement to enforce any disciplinary action on CPIs it has trained (see Section 7.5).

7 CPI Certification Process

CPIs will have to be trained by an accredited training program. Training programs are accredited by an Accrediting Body, which approves the curriculum and monitors approved training programs and associated trainers on a regular basis. WinnForum through this standard has established the criteria for a training program to create a professional and consistent testing process for CPIs, and to subsequently establish the review and disciplinary process for CPIs. CPIs through the CPI Accredited Training Program shall be taught required FCC Part 96 Rules and any applicable additional rules and regulations; along with applicable industry standards, protocols and requirements.

The Training Program Administrator has the option to add relevant industry, technology, SAS, or vendor specific information as part of their training program above and beyond the required curriculum. The Training Program Administrator administers the objective certification test to CPI’s and keeps records of all candidates and both successful and unsuccessful outcomes. This is reported to the Accrediting Body that maintains a database of CPIs.
7.1 Certification Test

Questions shall be submitted as part of the Training Program application for the stated curriculum (multiple choice). The Accrediting Body shall evaluate questions for suitability for inclusion in the CPI certification test. All copyright shall be transferred to the Accrediting Body. Questions from multiple Training Program Administrators shall be maintained in a pool and Training Program Administrators shall pull 100 questions randomly from that pool each time the CPI certification test is administered. Each curriculum topic area (see Section 6.4) shall have at least two questions included in the CPI certification test. Passing is 75% or greater correct answers for questions taken from the pool.

7.2 Registration of the CPI with the Accrediting Body

See Section 9 for a list of information required to be registered with the Accrediting Body by the Training Program Administrator for each CPI that the Administrator certifies. The Training Program Administrator shall assign a date at which the CPI certification becomes effective, normally the date of successful completion of the CPI certification test. The CPI certification shall be effective for five years, unless a change in rules (section 7.4) or a disciplinary action (section 7.5) takes precedence.

7.3 Ongoing relationship of a CPI with the Training Program

The accredited training program shall maintain accurate records of a CPI’s certification at least five years after the expiry of the CPI’s certification. The CPI is qualified for recertification of training up to one year after expiry of the last CPI certification. The CPI shall undergo complete
training and certification through an accredited training program when seeking certification through a training program at any time after one year from expiry of the last certification.

The accredited training program will provide the CPI with a certificate from a qualified Certificate Authority (CA) derived from a WinnForum approved Root of Trust that the CPI will use to certify the installation of a CBSD. The certificate validity shall extend to expiry (including renewals, if applicable) of certification credentials [n.5].

7.4  CPI Installer Data Accountability Structure

The Accredited Training Program Administrator shall facilitate the secure issuance of certificates from the CA to the CPI. Any private certificates shall be visible only to the CA and CPI according to the WinnForum Certificate Policy Specification [n.5].

The Accredited Training Program that is maintaining records of a CPI’s training shall inform the CPI of any impending expiry of credentials with enough time for the CPI to reasonably seek recertification of their qualifications.

In the event of a change of rules in 47CFR Part 96 (ref. [n.2]) pertaining to professional installation of CBSDs, the CPI may be required to seek recertification within a deadline. Under such circumstances, the training program shall contact CPIs whose records are being maintained by that program, and shall inform them of their obligation to seek recertification within the required period of time, if such a time has been identified by the FCC. CPIs who have not sought recertification shall be informed that their certification has expired.

The CPI has the choice to be recertified by an accredited training program of their choice or the choice of their employer, as applicable. When seeking recertification, the accredited training program with record of the CPI’s existing or recently expired certification shall offer conveyance of records to any recertifying training program with accreditation. The conveyance of records and transcripts of the training may be offered as a service.

The accredited training program maintaining records of a CPI shall allow the CPI to update their contact address when warranted.

7.5  CPI Disciplinary and Problem Reporting and Review Process

A party finding the likelihood of a significant error in information entered by a CPI, or mishandled registration procedures (such as a CBSD owner or a SAS Administrator) may report such occurrence to the Training Program Administrator and request review. Generally, this would fall into two categories: a) where a CPI has willfully entered incorrect information to the SAS; or b) the CPI repeatedly enters erroneous information such that the accuracy of the information is called into question.

The Training Program Administrator will then investigate and evaluate the report regarding the CPI and based on its finding, undertake one of the following actions:

a)  No Disciplinary Action Taken: Determine that the action was not significant. Ask that erroneous or missing information be updated or corrected by the CPI.
b) Take Disciplinary Action: Suspend or terminate a CPI’s credentials. Determine if a negative action on the behalf of the CPI was willful and if so, either suspend or terminate the CPI’s credentials.

c) Suspend and Require Retraining: If found that the CPI is repeatedly making material errors in information entry to the SAS, then the CPI may be suspended and required to retrain and retest in order to reinstate credentials.

The CPI has the right to appeal any action taken by the Training Program Administrator to the Accrediting Body. The Accrediting Body shall have the full right and authority to accept or deny any appeal request. If corrective or disciplinary action is taken, such action shall be recorded in the CPI’s records maintained by the Training Program. In cases where actions are reviewed by regulatory agencies or civil/criminal authorities, all parties shall support the review as required by law.

8 The Accrediting Body

8.1 Accreditation activities

The Accrediting Body shall undertake the following activities in support of the accreditation process:

1. Issue a Request for Proposal (RFP) seeking qualified Training Program Administrators wishing to be designated as WinForum Approved. The RFP shall be open with no closing date, allowing proposals to be submitted at any time.

2. Receive proposals as they are submitted.

3. Establish a task group to review proposals as they are submitted to ensure that they meet the requirements established in Section 6 of this standard. The task group shall be made up of industry stakeholders operating independently of the Accrediting Body.

4. Approve training program administrators that meet the requirements as identified by the evaluation task group.

5. Provide an accreditation agreement with WinForum which identifies the duties and responsibilities of each party and would entitle the Training Program Administrator to display a WinForum owned trademark indicating that the Administrator is a "WinForum Approved CPI Training Program Administrator".

A fee may be charged by the Accrediting Body to cover administrative charges associated with these activities. Should a candidate Training Program Administrator believe that it has been unfairly denied approval, the candidate can petition the WinForum Board of Directors for reconsideration.
8.2 Record maintenance and availability

The Accrediting Body shall maintain a public record of Accredited Training Program Administrators, including contact information that can be accessed by candidate certified professional installers who wish to receive training.

The Accrediting Body shall provide a web form for the Accredited Training Program Administrator to enter the credentials of each professional installer they certify, as per Section 9 of this standard.

The Accrediting Body shall maintain a database accessible by certified SAS Administrators containing the CPI credentials as identified in Section 9 of this standard.

8.3 Program maintenance

The Accrediting Body shall notify the Training Program Administrator that their accreditation requires renewal at least 90 days in advance of the renewal date established in Section 7 of this standard.

The Accrediting Body shall notify approved Training Program Administrators of changes to this standard and other referenced WinneForum standards requiring an update in Training Program Curriculum, and provide a deadline for the Training Program Administrator to provide evidence that such changes have occurred and that the new information has been propagated to their certified professional installer’s clients.

8.4 Disciplinary Process for Training Program Administrators

Complaints lodged against the Training Program Administrator by a certified professional installer or by any third party impacted by the actions of a CPI shall be evaluated by the evaluation task group, within the Accrediting Body, against the requirements outlined in this standard. Should the findings of the evaluation task group conclude that action is required, the task group may direct that the Training Program Administrator update its program to address any shortcomings found, or in extreme cases direct the Accrediting Body to suspend the accreditation of a Training Program Administrator. Failure of the Training Program Administrator to support the evaluation may also lead to suspension of Approval.

9 CPI Database

The Accrediting Body shall prepare a database accessible to SAS Administrators containing registration data for Certified Professional Installers which contains the registration information for CPIs (see [n.1], requirement R2-CPI-03).

This information shall be provided by the Accrediting Body in a CSV file containing the following column identifiers in the first line:
cpiId, cpiName, mailingAddress, legalAddress, email, phone, trainingProgram, completionDate, trainingProgramAdministrator, licenseStartDate, licenseEndDate, status, publicKeyIdentifier

The lines following this header line shall contain the relevant information for the CPI using Unicode characters encoded in UTF-8, formatted surrounded by quote characters, using a “,” separator character, and using a “\” escape character for any of the significant formatting characters (backslash, quote). The data included in the columns shall follow this format:

Table 1 CPI Database Description

<table>
<thead>
<tr>
<th>FIELD NAME</th>
<th>FIELD DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>cpiId</td>
<td>The CPIR-ID assigned to the CPI by the Training Program Administrator upon successful registration.</td>
</tr>
<tr>
<td>cpiName</td>
<td>The name of the CPI</td>
</tr>
<tr>
<td>mailingAddress</td>
<td>The contact address of the CPI</td>
</tr>
<tr>
<td>legalAddress</td>
<td>The legal address of the CPI</td>
</tr>
<tr>
<td>email</td>
<td>The email address for the CPI</td>
</tr>
<tr>
<td>phone</td>
<td>The phone number contact for the CPI</td>
</tr>
<tr>
<td>trainingProgram</td>
<td>The name of the training program completed by the CPI</td>
</tr>
<tr>
<td>completionDate</td>
<td>The date the training program was completed by the CPI. Format is “YYYY-MM-DD”</td>
</tr>
<tr>
<td>trainingProgramAdmin</td>
<td>The name of the Training Program Administrator of the completed program.</td>
</tr>
<tr>
<td>licenseStartDate</td>
<td>The initiation date of the CPI credential issued by the Training Program Administrator. Format is “YYYY-MM-DD”</td>
</tr>
<tr>
<td>licenseEndDate</td>
<td>The expiration date of the CPI credential issued by the Training Program Administrator. Format is “YYYY-MM-DD”</td>
</tr>
<tr>
<td>status</td>
<td>Licensure status indicator of the CPI. One of “ACTIVE”, “INACTIVE”</td>
</tr>
<tr>
<td>publicKeyIdentifier</td>
<td>The location of the public key issued to the CPI.</td>
</tr>
</tbody>
</table>
The Accrediting Body shall respond in a timely fashion to any inquiries by the SAS administrator for relevant contact information about a training program and other relevant information.

The Accrediting Body shall make updates to this file in a timely manner reflecting status changes for CPIs. SASs shall retrieve the information in the file daily.

### 9.1 CPI Public Key Identifiers

The Accrediting Body shall make corresponding CPI public key information available to SAS Administrators at a location determined by the publicKeyIdentifier of the CPI Database file.
### 10 Document History

Table 2 Document Revision History

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<tr>
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<td>16 October</td>
<td>V1.0.0 Approved and Published</td>
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<td>1.1.0</td>
<td>22 January</td>
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