



Conference of Radiation Control Program Directors, Inc.

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MEMORANDUM

TO: Board of Directors:
Paul Schmidt (WI), Chairperson
Bob Hallisey (MA), Past Chairperson
Paul Merges (NY-Env.), Chairperson-Elect
Jim McNees (AL), Treasurer
Gary Robertson (WA), Member-at-Large
Julia Schmitt (NE), Member-at-Large
Russ Takata (HI), Member-at-Large

FROM: Pat Gorman, ^{Pat} Deputy Director

SUBJECT: Action Needed on Draft *Criteria for the Certification of Radon Service Providers, the Accreditation of Radon Chambers and Laboratories, and the Approval of Measurement Devices*

DATE: May 31, 2000

Issue 1: Approval of the Draft Criteria Document

The CRCPD is instructed through the current Radon Grant with EPA to provide to EPA a document "recommending the components of a national certification program for recognizing the competency of those individuals and/or firms who perform radon testing and mitigation." This task is now complete and ready for your approval. Mary Smith, EPA contact relative to the Radon Grant issues, has requested that the Board take action on this issue at your earliest convenience in order to complete our obligation relative to this project.

Please find attached the following documents for your review and consideration:

- Draft *Criteria for the Certification of Radon Service Providers, the Accreditation of Radon Chambers and Laboratories, and the Approval of Measurement Devices* as compiled by the SR-11 Committee
- May 16, 2000 letter from the Ad Hoc Committee for the Review of the Privatization Pilot Test Report Review of the Privatization Pilot Test Report

Suggested Action: Motion that the Board approve submitting the May 16, 2000 letter from the Ad Hoc Committee, the Draft *Criteria for the Certification of Radon Service Providers, the Accreditation of Radon Chambers and Laboratories, and the Approval of Measurement Devices* and the addendum to EPA as a committee report. (For clarification, this report has not been through the formal OED editing process - see next issue).

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Memorandum — Board of Directors

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Issue 2: Does the Board wish this criteria document and the addendum to be published as an official CRCPD document as Phase 2? Since EPA is really anxious to receive this document, OED believes it is better to forward it on to EPA now as a committee report and then, as Phase 2, proceed through the formal editing process to become an official CRCPD publication — if that is the desire of the Board.

Suggested Action: Motion to approve or disapprove that the *Criteria for the Certification of Radon Service Providers, the Accreditation of Radon Chambers and Laboratories, and the Approval of Measurement Devices* and the addendum be published as an official CRCPD publication.

I look forward to hearing from you over t-mail relative to how you wish to proceed with this important document.

PCG/pcg
Attachments

cc: Federal Liaisons
Chuck Hardin, Executive Director
Curt Hopkins, Radon Technical Assistant



**Draft Criteria for the
Certification of
Radon Service Providers,
the Accrediation of Radon Chambers
and Laboratories,
and the Approval of Measurement Devices**

Compiled by the
SR-11 Committee

April 1998

ACKNOWLEDGMENTS

The Conference of Radiation Control Program Directors, (CRCPD), and the Suggested State Radon Regulations (SR-11) committee members would like to thank all of the stakeholders who provided many valuable comments and insights into the radon program either at the stakeholder meetings or by mail and facsimile. This document was prepared by SR-11 committee members, Karen Tuccillo, Chairperson and Walter Klein with assistance from William Bell and Linda Martin.

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SECTION 1 INTRODUCTION

1.1 PURPOSE

The purpose of this document is to identify the components of a privatized radon quality assurance or proficiency program to be administered by a private board. The recommendations presented here cover the certification, device approval, and accreditation services provided by the board, and the structure and purposes of the board. These recommendations include many components of the current U. S. EPA's National Radon Proficiency Program that can be administered by a private sector board. In addition, modifications and new features are included that were proposed by stakeholders.

1.2 BACKGROUND

The United States Environmental Protection Agency (EPA) began operating its voluntary Radon Measurement Proficiency Program (RMP) in 1986 and began its Radon Contractor Proficiency Program (RCP) in 1989. Through these quality assurance programs the EPA evaluates the proficiency of radon measurement and mitigation service providers utilizing performance testing, written examinations and training. The EPA regularly publishes lists of proficient service providers and provides the lists to state radon offices, national organizations and consumers. The radon proficiency programs provide assistance to states in support of their radon industry certification programs and offer consumers quality assurance for radon measurement and mitigation service providers.

In 1994, the EPA began working to consolidate the RMP and RCP into one streamlined program to better meet industry needs and reduce costs. The consolidated program officially became the Radon Proficiency Program (RPP) in October 1995. The EPA held several stakeholders meetings to accomplish this. The agency also began investigating the feasibility of privatization of all or portions of the RPP. Over the past few years it was suggested that the RPP functions could be performed better by a private group rather than by government. This would allow the federal government to shift their resources to other essential program components. EPA and CRCPD agreed that CRCPD would lead an effort to redesign the RPP so that it could be done by a private enterprise. CRCPD's Board of Directors then assigned the task of drafting a document containing the necessary components of a privatized program to the SR-11 committee.

The Conference of Radiation Control Program Directors (CRCPD), through a cooperative agreement with the EPA, sponsored its *First CRCPD Radon Stakeholders Meeting* in Pittsburgh, Pennsylvania on October 6 and 7, 1997 in order to solicit comments from a diverse group of interested parties on a proposal for privatizing the EPA's National Radon Proficiency Program. Representatives from the American Association of Radon Scientists and Technologists (AARST), individual states, private industry, CRCPD's Executive Board, CRCPD's Suggested State Radon Regulations Committee (SR-11) and its Committee on Radon (E-25), Radon Training Centers, and the EPA attended this meeting. Mary Smith (Director, EPA's Indoor Environments Division), Jill Lipoti (Chairperson, CRCPD) and Ray Johnson (President, AARST) presented their perspectives on the establishment of a national radon certification program. Ed Chu (EPA) gave an overview of the National Environmental Laboratory Accreditation Conference (NELAC) for the group's consideration in the development of national radon laboratory accreditation requirements.

Prior to the meeting, the CRCPD distributed a draft prospectus for privatization to over 200 interested parties (including states, AARST members, EPA cooperative partners, and consumer groups) and posted the prospectus on a CRCPD internet site established specifically for the radon privatization effort (<http://www.webpub.com/~crcpd/radon.htm>) in order to obtain comments from individuals not able to attend the meetings.

The context of the meeting in Pittsburgh focused around five breakout session topics that are instrumental in privatizing EPA's National Radon Proficiency Program: (1) radon tester; (2) radon mitigator; (3) approval and accreditation requirements for radon and radon decay product measurement devices, radon chambers and radon laboratories; (4) the operational board and committees; and (5) the transition to privatization.

Requirements including education, experience, exams, continuing education credits, ethics, and rights to appeal certification decisions for two levels of radon testers were discussed. The need for additional training and experience requirements for mitigators who remediate large buildings, such as schools, was voiced. The session on devices, radon chambers and radon laboratories reviewed minimum requirements for operation and identified documents already in draft that would facilitate the privatization process. One entire session was devoted to discussing the necessary functions of a private certification group, the make-up of committees that would be established in support of this group, and tools that could be used to measure the group's success. Discussions on transition to privatization included functions or services that a private certification program could provide to states and to industry while the private group is being piloted for success.

The meeting was designed to be a forum for stakeholder review of the needed elements of a national certification program. Following the meeting, facilitators from Oak Ridge Associated Universities compiled recommendations and comments from the sessions and CRCPD distributed them to meeting attendees and to others who provided written comments.

The result of the *First CRCPD Radon Stakeholder's Meeting* was the incorporation of stakeholder recommendations, by CRCPD's SR-11 Committee, into a draft "strawman" document containing the necessary components of a national radon certification program for radon testers and mitigators. This document became the basis of discussion for privatization of EPA's National Radon Proficiency Program at a session held on November 5, 1997 during the joint AARST/National Radon Meeting in Cincinnati, Ohio. Following the Cincinnati meeting, SR-11 committee members incorporated additional stakeholder comments, further refining the draft "strawman" document for discussion at the *Second CRCPD Radon Stakeholder's Meeting* held on December 5, 1997 in Baltimore, Maryland. Comments that resulted from this second stakeholders meeting were incorporated into the final plan for privatization.

All documents produced as a result of the radon privatization effort were posted on the CRCPD radon internet site at <http://www.webpub.com/~crcpd/radon.htm>.

Throughout the privatization process, questions the SR-11 committee sought to answer included the following. Can we describe the minimum structure of a private certification board that would be appropriate to administer a national radon certification program? Are there minimum certification requirements within each certification category that can be established in order to assure tester and mitigator competency? Once a national certification board and

certification categories are established, how should investigations and enforcement actions be handled?

The SR-11 committee's ultimate goal is to present a final document containing the criteria established by this process to the CRCPD's Board for adoption. The approved document will become part of a request for proposal to those interested in establishing such a board. The final document will be pilot tested with a private organization for one year, after which the private organization will provide the CRCPD with the results of the pilot, including any recommended changes.

SECTION 2

RADON BOARD CREDENTIALING AND STATE RADON PROGRAMS

2.1 CERTIFICATION OF RADON MEASUREMENT AND MITIGATION SERVICE PROVIDERS

Under the current U. S. EPA Radon Proficiency Program, individuals may be listed in one of three categories; 1) residential measurement service provider, 2) analytical measurement service provider and 3) residential mitigation service provider. Organizations may also be listed as analytical service providers. Analytical service providers are listed by the brand, model, and type of device they provide services with. During the stakeholder meetings, several participants expressed the need for an entry level measurement service provider who would not provide any type of analytical services. The certification cost associated with this entry level would be lower because fewer hours of training are required. Stakeholders also proposed an advanced mitigation service provider who would receive additional training in the mitigation of complex or large scale buildings. To meet these needs, and to continue services that are approximately equivalent to the current EPA Radon Proficiency Program, the following certification categories for radon service providers are recommended to the board.

- Board certified radon measurement technician - an individual who provides services with approved devices that are not read or analyzed by the technician. These devices must be processed by an approved analytical service provider.
- Board certified radon measurement specialist - an individual who provides services with approved radon and radon decay product measurement devices including approved portable analytical devices. This category is approximately equivalent to the residential service provider under the current U. S. EPA Radon Proficiency Program. However, stakeholders expressed a need to provide additional training in quality assurance and quality control to these individuals.
- Board certified residential mitigation service provider - an individual who provides radon mitigation services in family residences. The board should determine if multi-family residential units are within the scope of the residential mitigator and whether limits on the number of family units within the same building should be imposed. This category is approximately equivalent to the residential mitigation service provider in the current RPP, however, the EPA does not preclude their participants from offering non-residential mitigation services.
- Board certified advanced mitigation service provider - an individual who provides radon mitigation services in all types of buildings.

A certification means the applicant has met the minimum board requirements of prior education, training, examination and/or experience to establish competence in the respective category of radon services. Additional information for measurement and mitigation services providers is found in section 4, Board Certification of Radon Service Providers.

2.2 APPROVAL OF RADON AND RADON DECAY PRODUCT MEASUREMENT DEVICES

The EPA has evaluated many devices used separately or as components for the measurement of radon or radon decay products in indoor air. The device types that pass the program's evaluation criteria are listed in the Radon Proficiency Program Handbook. However, the EPA states in its handbook that "The radon and radon decay product measurement devices included in these checklists are not endorsed or approved by EPA and should not be interpreted as such."

It's recommended that the board establish and phase in a device evaluation program to replace this component of the proficiency program. Through consultation with the EPA, the board should adopt or adapt the existing criteria for device evaluation and listing. It's desirable that the EPA continue to evaluate new devices and continue to require participants to pass its initial device performance test until the board has set up a replacement program.

Board approval of a radon or radon decay product measurement device means the device passed the criteria for accuracy, precision and quality assurance over a range of environmental conditions representative of indoor environments in different climates during the evaluation and performance test. Once the device evaluation program has been phased in, the board should allow manufacturers of approved devices to advertise that their device is "board approved." However, devices advertised as such must be manufactured to the same specifications as those submitted for testing in order to retain the device approval.

2.3 ACCREDITATION OF RADON CHAMBERS AND RADON LABORATORIES

Board accreditation of radon laboratories and radon chambers means that these facilities have demonstrated requirements for design, operational procedures, performance, and quality assurance. The board should allow radon chambers and radon laboratories to advertise that they are "board accredited."

2.4 MEANING OF A PRIVATE BOARD CREDENTIAL

A certification, device approval, or accreditation from the board simply means that the minimum board requirements for that credential have been satisfied. It does not convey a legal qualification to do business or sell devices in any state that has other restrictions or additional requirements for radon licensing, certification, device approval and laboratory or radon chamber accreditation. Individuals and organizations with credentials from the board are subject to the requirements of each state in which they operate. Individuals and organizations that receive credentials from the board may advertise that they are "board certified," or "board accredited." Devices may be advertised as "board approved"

2.5 STATE RADON PROGRAMS AND BOARD CREDENTIALING

State radon programs can become an important "customer" of services provided by the board. The board and state licensing and certification programs share the goals of reducing radon exposure by increasing public awareness, and protecting consumers through training and standards for radon services. A board program with high standards, reduced costs to the participants and more options for states and individuals will increase participation by both states and individuals.

2.5.1 State and Federal Radon Programs

The "Strategy on Federal/State Cooperation for Radon Certification Program Development," EPA #22A-5000, January 1992, stated that "There is no universally preferable structure for state radon quality assurance programs. States have many options." This has been demonstrated by the variety of state programs in existence today.

At a basic level, some states have consumer information programs that promote radon testing and EPA listed service providers. Other states have licensing,

certification and enforcement programs for different categories of radon services providers and businesses. Many of these advanced state programs use elements of the voluntary federal program by requiring participation in the Radon Proficiency Program in different ways. Some states duplicate some of the federal functions by using examinations specific to their programs or use an alternate device proficiency program to reduce costs to the industry.

2.5.2 State Options Using Board Credentialing

If the board implements all of the recommended certification categories, states will have more options for licensing and certifying individuals using board certifications. For example, states that now have two levels of measurement service providers should carefully evaluate the certification criteria used by the board for measurement technician and specialist. If these provide the necessary quality assurance and consumer protection, the states can take action to incorporate both levels into their program. Other states may want to retain just one level of measurement service provider and can adopt the level that best meets their needs. States that have special needs, could require board certification and, in addition, a short training course or examination specific to that state's program.

Using the credentialing services provided by the board can reduce the time and effort states devote to the licensing or certification process. Ideally, these resources can then be directed to better monitoring, enforcement and improved quality assurance programs as well as other priority areas such as outreach or research.

2.5.3 Reciprocity Among State Radon Programs

States that accept board certifications and accreditations for their programs should find it easier to establish formal reciprocity programs with other states. However, even when a state accepts another state program as equivalent to its own, the state will collect fees to cover its program costs. Also, states are likely to be conservative when formally establishing reciprocity with another state.

Formal reciprocity among states becomes less important when they are using the same or similar criteria for their licensing or certification programs. It becomes much easier for an individual to become licensed or certified in multiple states when the states accept the same board credentials. In this way, industry costs are reduced by eliminating redundant training or examination requirements.

2.6 VALUE TO STAKEHOLDERS

There are many stakeholders who can benefit from the establishment of a private radon certification board. Among them are radon testers and mitigators, states, both regulatory and non-regulatory, radon educators, home inspectors, consumers, and real estate professionals. With participation from this diverse group of interested parties, creating a private board to issue certificates, device approvals and accreditations, can provide a forum to develop consensus standards. Reliance on the board to review applications and administer exams can enable states to shift more resources to essential state program components such as outreach and enforcement. Benefits to the radon measurement industry can result through the reduction of redundant training and examination requirements and through reduced participation costs. Since participants will have to maintain proficiency through renewal

certification requirements, consumer and state trust can build through the private board certification process.

Development of an efficient and quality privatized program could result in the EPA recognizing the private board. The EPA, the CRCPD, states and the board could all participate in promoting the private certification program. This would increase public confidence in radon testing and mitigation services.

SECTION 3

PURPOSE, STRUCTURE, AND OPERATIONAL CRITERIA OF A PRIVATIZED RADON BOARD

3.1 PURPOSE

The primary purpose of the board is to administer a national program to assess and promote the proficiency and quality assurance of radon and radon decay product measurement devices, radon chambers, radon laboratories and measurement and mitigation service providers in order to reduce unnecessary radiation exposures to radon and radon decay products.

3.1.1 Objectives

The following activities of the privatized radon board support this purpose.

- Establish and promote uniform standards and practice for radon measurement and mitigation.
- Encourage the highest standards of practice, professional ethics, and integrity in radon services.
- Determine the competence of professional radon testers and mitigators through education and examination requirements for certification by the board.
- Determine the performance of radon and radon decay product measurement devices by testing in approved radon chambers over a range of environmental conditions representative of indoor environments in different climates.
- Establish criteria for the design and operation of radon chambers, and determine the performance of radon chambers by reference to the EPA chamber or the National Institute of Standards and Technology, (NIST), standard.
- Issue certificates to radon testers and mitigators, radon and radon decay product measurement devices, radon laboratories and radon chambers and maintain a registry of such certificates.
- Require continuing education and promote improvements in radon services and radon and radon decay product measurement devices to encourage high standards of practice.
- Provide a certification renewal program for individuals demonstrating continued professional development, for devices meeting performance requirements, and for radon laboratories and radon chambers demonstrating quality assurance requirements.

3.2 BOARD STRUCTURE

The board should have from 12 to 15 members to provide adequate representation of all stakeholders.

3.2.1 Board members should be obtained from the following categories of stakeholders:

- States, regulatory and non-regulatory
- Radon testers
- Radon mitigators
- Radon chambers
- Radon laboratories
- Radon device manufacturers

- Radon educators
- Home inspectors
- Public interest/consumer sector
- Real estate professionals
- Standard setting organizations such as the ICRP or NCRP
- EPA (non-voting member)

3.2.2 The board should establish a mechanism, such as an Advisory Council or announced open board meetings, to allow for stakeholder representation and access to the board.

3.2.3 Board members should be certified in radon testing or mitigation or should be appropriately qualified as determined by the board.

3.2.4 Board members should act as individuals and not as representatives of any organization, and should receive no compensation for services from the board.

3.2.5 The terms of office of each board member should be three (3) years beginning January 1 following election to the board. Terms of office should be staggered in order to minimize the number of board vacancies occurring in a given year. If a board member is unable to complete a term of office for any reason, the board should, by majority vote of the remaining board members, elect a replacement for the remainder of the term from that discipline.

3.2.6 A board member may be removed from the board for unethical conduct or other just cause. The board should have a conflict of interest/ethics code for actions that involve board members. A mechanism should be provided to allow board members, who may be unable to travel, to provide comment at board meetings without direct participation, such as absentee voting, voting by proxy, or electronic voting.

3.2.7 Members of the board appointed panels or committees should be allowed to sit with the board without voting privileges.

3.2.8 It is recommended that board members be covered by liability insurance.

3.3 BOARD ADMINISTRATION

The Board shall retain the services of a professional Executive Secretary to maintain a centralized office. This Executive Secretary shall perform the administrative functions including normal correspondences, accounting, bookkeeping, financial reporting, record keeping and processing of applications and associated fees for certifications and renewals of certifications. It is recommended that the Executive Secretary also administer, grade and maintain the security of the board's examinations.

3.3.1 The board, through the appropriate panels or committees, shall develop procedures for addressing the following key administrative functions:

- handling phone inquiries
- interfacing with customer groups
- distribution of new and updated radon documents as well as notification of courses, exams and other key information
- database/website development and maintenance

- communications to states regarding state needs
- records tracking
- exam administration, grading, distribution of results, maintenance, and security
- maintaining lists of certified individuals, approved devices, accredited radon laboratories and accredited radon chambers.

3.3.2 The board, through the appropriate panels or committees, shall develop procedures and tracking mechanisms for processing certifications from application for certification to receipt of certification within specific deadlines that includes documentation on when/why applications are sent back to the applicant and when/why applications are routed to specific panels by the Executive Secretary.

3.3.3 The board, through the appropriate panels or committees, shall develop procedures describing actions for which a certification, approval, or accreditation can be denied or revoked.

3.3.4 The board, through the appropriate panels or committees, shall develop procedures describing the process by which an applicant can appeal a board decision regarding the denial or revocation of a certification, approval, or accreditation or by which a board member can appeal removal from the board.

3.3.5 The board, through the appropriate panels or committees, shall develop procedures for the review of initial and continuing education courses, course instructors, measurement SOPs, mitigation SOPs, radon testers, radon mitigators, radon and radon decay product measurement devices, radon laboratories and radon chambers.

3.3.6 The board shall develop a plan with estimated time frames for the following:

- Development of procedures listed in sections 3.3.1 through 3.3.5
- Date of establishment of the board
- Date of establishment of panels
- Date of establishment of committees
- Date when the board will begin issuing certifications, approvals and accreditations
- Revenues, costs and funding sources that will secure the board's financial security
- Costs of certification for applicants.

3.3.7 The board shall develop a process for evaluating the success of the board in order to facilitate state and industry "buy-in". At a minimum, it is recommended that the board evaluate the following components:

- number of private program participants, including the number of regulatory state, non-regulatory state, and industry participants
- resolution of complaints
- number of uncertified individuals conducting business
- number of homes tested and mitigated
- an evaluation of customer service, such as response to phone inquiries.

3.4 NOMINATIONS AND ELECTIONS

The board should appoint a nominating committee to address how nominations and elections should be run.

3.4.1 The board, through its nominating committee, should develop a process for the nomination and election of initial board members and future board members, and develop a process for the selection and appointment of panel members and committee members.

3.4.2 For the election of board members, this process should address the following:

- who can nominate an individual for the board,
- who can review credentials and select the slate of candidates for the board, and
- who is eligible to vote for a board member.

3.4.2 For the selection of panel and committee members, this process should address the following:

- who can nominate an individual for a panel or a committee
- who is eligible to review credentials and to appoint a panel or committee member.

3.5 PANELS

The board should establish panels that report to the board. These panels should develop the criteria for certification, device approval and accreditation and develop standard operating procedures for reviewing applications and granting certifications, device approvals and accreditations. These standards and procedures shall be approved by the board.

3.5.1 At a minimum, the following panels should be established:

- Measurement service provider certification
- Mitigation service provider certification
- Measurement device approval
- Radon chamber accreditation
- Radon laboratory accreditation
- Examinations.

3.5.2 Participation in each panel should be solicited from the pertinent groups identified under section 3.2.1

3.5.3 Other panels may be established for the efficient administration of board affairs, as determined by the board.

3.5.4 Members of panels and their chairs should be subjected to a board approved nominations and appointment process.

3.5.5 The term of panel appointment should not exceed three (3) years. Additional terms should be allowed, following review by the board.

3.5.6 It is recommended that one third of the panel membership be changed each year.

3.5.7 Panel members should be appropriately qualified for their panel as determined by the board approved selection criteria.

3.6 COMMITTEES

The board should establish committees that report to the board. These committees should gather data, set criteria, develop protocols and standards and make recommendations or nominations. These criteria, protocols and standards shall be approved by the board.

3.6.1 At a minimum, the following committees should be established:

- Nominating
- Public Awareness
- Professional Standards, Ethics and Investigations
- Government Relations
- Protocols and Standards of Practice.

3.6.2 Participation in each committee should be solicited from the pertinent groups identified under 3.2.1.

3.6.3 Other committees may be established for the efficient administration of board affairs, as determined by the board.

3.6.4 Members of committees and their chairs should be subjected to a board approved nominations and appointment process.

3.6.5 The term of committee appointment should not exceed three (3) years. Additional terms should be allowed, following review by the board.

3.6.6 It is recommended that one-third of the committee membership be changed each year.

3.6.7 Committee members should be appropriately qualified for their committee as determined by the board approved selection criteria.

3.7 CERTIFICATION, DEVICE APPROVAL AND ACCREDITATION

Standard operating procedures for reviewing and tracking all applications for certification, device approval and accreditation should be established by the board in concurrence with the appropriate panels or committees. This process should be documented in order to ensure consistent application reviews and should include checks and balances for industry members who may find themselves reviewing competitors applications.

3.7.1 Applicants for certification, approval or accreditation shall apply to the board on forms designated by the board. The board should work with the government relations committee to develop forms suitable to the certification, device approval and accreditation criteria and states needs.

3.7.2 Applicants for certification as radon measurement or mitigation service providers shall fulfill the examination requirements of section 4, Board Certification of Radon Service Providers.

3.7.3 Applicants for measurement device approval shall submit results of quality assurance and performance testing.

- 3.7.4** Applicants for accreditation of radon laboratories and radon chambers shall provide design and operational criteria for their facility and provide quality assurance test results.

3.8 CERTIFICATION AND ACCREDITATION RENEWAL

Standard operating procedures for renewing certifications and accreditations should be established by the board in concurrence with the appropriate panels or committees.

- 3.8.1** All certifications shall be renewed every two years.
- 3.8.2** Applicants for renewal as measurement or mitigation service providers shall demonstrate the requisite number of continuing education credits.
- 3.8.3** Applicants for accreditation of radon laboratories or radon chambers shall meet quality assurance requirements as determined by the board.

3.9 DENIAL OR REVOCATION OF CERTIFICATION

The professional standards, ethics and investigations committee, in consultation with the appropriate panels or committees shall develop a list of violations and offenses that would constitute cause for either denial or revocation of a certification, approval, or accreditation. This list shall be provided to the board for approval.

- 3.9.1** At a minimum, certifications, approvals or accreditations shall be either denied or revoked for the following offenses:
- failure to adhere to a board approved established code of ethics
 - failure of individuals, devices, radon chambers or radon laboratories to meet board approved performance requirements
 - failure to maintain and implement a quality assurance/quality control plan
 - failure to follow board approved measurement protocols
 - failure to comply with board approved mitigation standards
 - false or misleading application information.
- 3.9.2** The above list should be expanded upon by the appropriate panels or committees.

3.10 APPEAL RIGHTS AND APPEAL PROCESS

Any person, facility or device denied a certification, approval or accreditation or whose certification, approval or accreditation has been revoked, shall have the right to appeal this decision. Any board member removed from the board shall have the right to appeal this decision.

The board should establish and maintain a legally defensible appeals process by which complaints regarding the denial or revocation of a certification, approval, or accreditation can be heard within a timely manner.

3.11 BYLAWS AND BYLAW AMENDMENTS

The board should develop and adopt bylaws that define the objectives, structure and operating criteria of the board as prescribed in sections 3.1 through 3.10 above. The Bylaws of the board may be changed by two-thirds vote of the board.

SECTION 4 BOARD CERTIFICATION OF RADON SERVICE PROVIDERS

4.1. BOARD CERTIFIED RADON MEASUREMENT TECHNICIAN.

The radon measurement technician is an individual who provides nonanalytical on-site residential measurement services with devices that meet the board or EPA requirements. The measurement services provided by the technician are limited by the scope of the training program and examination requirements. A radon measurement technician shall not provide consultation to clients on radon entry, diagnostics or mitigation system components or installations unless also certified as a radon mitigation service provider. An individual providing on-site measurement services with analytical devices should be board certified as a radon measurement specialist.

4.1.1 Measurement Services and Duties of the Board Certified Radon Measurement Technician.

- Places and retrieves nonanalytical devices.
- Uses a board accredited laboratory (or EPA proficient analytical service provider) to analyze measurement devices.
- Follows the approved measurement protocol for the type of measurement performed.
- Reports and interprets radon measurement results to the client in a manner consistent with approved measurement protocols and guidelines for client reporting.
- Implements, maintains and documents a quality control and quality assurance program for each type of nonanalytical measurement device used.
- Obtains state licensing or certification in all states in which the technician provides radon measurement services when required by the state.

4.1.2 Minimum Training Requirements of the Board Certified Radon Measurement Technician.

The radon measurement technician applicant should complete a minimum of 8 hours of board approved training. The approved training should cover those tasks performed by the measurement technician and should include the following topics.

- Radiation fundamentals of radon and radon decay products.
- Exposure mechanisms and potential health effects of radon and radon decay products.
- Description and operating principles of nonanalytical radon measurement devices.
- Overview of analytical radon measurement devices.
- Measurement procedures, client reporting, and post measurement recommended actions for homeowner measurements using nonanalytical devices.
- Measurement procedures, client reporting, and post measurement recommended actions for real estate transaction measurements using nonanalytical devices.
- Preventing interference with the measurement.
- Implementing and documenting a quality control and quality assurance plan for nonanalytical radon measurement devices.
- Overview of radon mitigation and the "Consumer's Guide to Radon Reduction."
- Health and safety considerations for the radon measurement technician.

4.1.3 Examination Requirements of the Board Certified Radon Measurement Technician.

The radon measurement technician applicant shall attain a passing score on the radon measurement technician examination. The radon measurement technician examination should test the applicant's knowledge necessary to carry out those tasks performed by the measurement technician.

4.1.4 Continuing Education Requirements of the Board Certified Radon Measurement Technician.

The radon measurement technician should complete a minimum of 8 hours of continuing education during each biennial certification and renewal period.

4.2 BOARD CERTIFIED RADON MEASUREMENT SPECIALIST.

The radon measurement specialist is an individual who provides on-site residential and nonresidential measurement services with board (or EPA) approved analytical and/or nonanalytical radon and radon decay product measurement devices. The measurement services provided by the specialist may include the evaluation and interpretation of protocol and diagnostic measurements.

4.2.1 Prior Education Requirements of the Board Certified Radon Measurement Specialist.

High school diploma or equivalent.

4.2.2 Measurement Services and Duties of the Board Certified Radon Measurement Specialist.

- Places and retrieves analytical and/or nonanalytical devices.
- Uses a board accredited laboratory (or EPA proficient analytical service provider) to analyze measurement devices.
- Follows the approved measurement protocol for the type of measurement performed.
- Reports and interprets radon measurement results to the client in a manner consistent with the approved measurement protocols and guidelines for client reporting.
- Implements, maintains and documents a quality control and quality assurance program for each type of measurement device used.
- Obtains state licensing or certification in all states in which the specialist provides radon measurement services when required by the state.

4.2.3 Training Requirements of the Board Certified Radon Measurement Specialist

The radon measurement specialist applicant should complete a minimum of 24 hours of board approved training. The approved training should cover those tasks performed by the measurement specialist and should include the following topics.

- Radiation fundamentals of radon and radon decay products.
- Exposure mechanisms and potential health effects of radon and radon decay products.

- Scientific evidence for the carcinogenic properties of radon and radon decay products.
- Fundamentals of radon entry into buildings.
- Description and operating principles of analytical and nonanalytical radon and radon decay product measurement devices.
- Measurement procedures, client reporting, and post measurement recommended actions for homeowner measurements using analytical and nonanalytical devices.
- Measurement procedures, client reporting, and post measurement recommended actions for real estate transaction measurements using analytical and nonanalytical devices.
- Preventing interference with the measurement.
- Implementing and documenting a quality control and quality assurance plan for analytical and nonanalytical radon and radon decay product measurement devices.
- Measuring radon in water.
- Radon mitigation systems and principles.
- Health and safety considerations for the radon measurement specialist and technician.

4.2.4 Examination Requirements of the Board Certified Radon Measurement Specialist.

The radon measurement specialist applicant shall attain a passing score on the radon measurement specialist examination. The radon measurement specialist examination should test the applicant's knowledge necessary to carry out those tasks performed by the measurement specialist.

4.2.5 Continuing Education Requirements of the Board Certified Radon Measurement Specialist.

The radon measurement specialist should complete a minimum of 16 hours of continuing education during each biennial certification and renewal period.

4.3 BOARD CERTIFIED RESIDENTIAL RADON MITIGATION SERVICE PROVIDER.

The residential radon mitigation service provider is an individual who performs or evaluates diagnostic measurements and designs, installs or supervises the installation of residential radon mitigation systems.

4.3.1 Experience and Prior Education Requirements for the Board Certified Residential Radon Mitigation Service Provider.

The applicant for residential radon mitigator should meet at least one of the following requirements.

- A four year degree in civil engineering, mechanical engineering, building construction or architecture.
- Two years of hands-on experience in the building trades or two years experience as a licensed contractor.
- One year experience installing radon mitigation systems.

4.3.2 Mitigation Services and Duties of the Board Certified Residential Radon Mitigation Service Provider.

- Reviews and evaluates radon measurement results.
- Performs residential building inspections and homeowner interviews.
- Performs and interprets diagnostic measurements.
- Designs active slab depressurization, building pressurization, building ventilation and radon in water mitigation systems.
- Installs or supervises the installation of active slab depressurization, building pressurization, building ventilation and radon in water mitigation systems in family residences, that comply with approved mitigation standards.
- Performs sealing of the building envelope to enhance operation of the mitigation system, when necessary.
- Performs operational and diagnostic checks on residential radon mitigation systems.
- Provides system operating instructions to clients.
- Recommends independent post-mitigation radon testing.
- Obtains state licensing or certification in all states in which the residential mitigation service provider contracts for business when required by the state.

4.3.3 Minimum Training Requirements of the Board Certified Residential Radon Mitigation Service Provider.

The residential radon mitigation service provider applicant should complete a minimum of 32 hours of board approved training at least 16 hours of which shall be "hands-on" training. The approved training should cover those tasks performed by the residential mitigation service provider and should at a minimum include the following topics.

- Radiation fundamentals of radon and radon decay products.
- Exposure mechanisms and potential health effects of radon and radon decay products.
- Scientific evidence for the carcinogenic properties of radon and radon decay products.
- Overview of operating principles of analytical and nonanalytical radon and radon decay product measurement devices.
- Overview of measurement procedures and mitigation recommendations for homeowner measurements.
- Overview of measurement procedures and mitigation recommendations for real estate transaction measurements.
- Radon entry into buildings.
- Building dynamics, investigation and diagnostic measurements.
- Selecting a mitigation strategy.
- Designing and installing mitigation systems.
- Mitigation installation standards and building code considerations.
- Checking for backdrafting.
- Techniques for radon resistant new construction.
- Health and safety considerations for the residential radon mitigation service provider.

- "Hands-on" training in mitigation system design, installation and operational checks.

4.3.4 Examination Requirements of the Board Certified Residential Radon Mitigation Service Provider.

The residential radon mitigation service provider applicant shall attain a passing score on the residential radon mitigation service provider examination. The residential radon mitigation service provider examination should test the applicant's knowledge necessary to carry out those tasks performed by the residential mitigation service provider.

4.3.5 Continuing Education Requirements of the Board Certified Residential Radon Mitigation Service Provider.

The residential radon mitigation service provider should complete a minimum of 16 hours of continuing education during each biennial certification and renewal period.

4.4 BOARD CERTIFIED ADVANCED RADON MITIGATION SERVICE PROVIDER.

The advanced radon mitigation service provider is an individual who performs or evaluates diagnostic measurements and designs, installs or supervises the installation of residential and advanced radon mitigation systems.

4.4.1 Experience requirements of the Board Certified Advanced Radon Mitigation Service Provider.

The applicant for advanced radon mitigator should have one year of experience as a residential radon mitigation service provider.

4.4.2 Mitigation Services and Duties of the Board Certified Advanced Radon Mitigation Service Provider.

- Reviews and evaluates radon measurement results.
- Performs building inspections and homeowner interviews.
- Inspects and evaluates the effects of single and multi-zoned heating, ventilating and air conditioning systems on building pressurization and radon entry and dilution.
- Performs and interprets diagnostic measurements.
- Designs active slab depressurization, building pressurization, building ventilation and radon in water mitigation systems for residential and nonresidential buildings.
- Uses a licensed heating, ventilating and air conditioning contractor or engineer to balance multi-zoned systems when necessary for radon reduction.
- Installs or directly supervises the installation of active slab depressurization, building pressurization, building ventilation and radon in water mitigation systems in residential and nonresidential buildings that comply with approved mitigation standards.
- Performs sealing of the building envelope to enhance operation of the mitigation system, when necessary.
- Performs operational and diagnostic checks on radon mitigation systems.
- Provides system operating instructions to clients.
- Recommends independent post-mitigation radon testing.

- Obtains state licensing or certification in all states in which the residential mitigation service provider contracts for business when required by the state.

4.4.3 Minimum Training Requirements of the Board Certified Advanced Radon Mitigation Service Provider.

The advanced radon mitigation service provider applicant should complete the training and examination requirements of the residential mitigation service provider. In addition, the applicant should complete 16 hours of training on nonresidential large scale building structures and components. The approved training should cover those tasks performed by the advanced mitigation service provider and should at a minimum include the following topics.

- Mitigation installation standards and commercial building code considerations.
- Large scale building foundations and basements.
- Radon entry and distribution pathways in large scale buildings.
- Inspection and evaluation of multi-zoned heating, ventilating and air conditioning systems.
- Determining ventilation rates in large scale buildings.
- Evaluation of pressure differentials in large scale buildings.
- Principles of heating, ventilating and air conditioning system balancing.
- Special considerations for condominiums and apartment buildings.
- Design and installation of radon mitigation systems in large scale buildings.

4.4.4 Examination Requirements of the Board Certified Advanced Radon Mitigation Service Provider.

The advanced radon mitigation service provider applicant shall attain a passing score on the advanced radon mitigation service provider examination provided with the training course. The advanced radon mitigation service provider examination should test the applicant's knowledge necessary to carry out those tasks performed by the advanced mitigation service provider.

4.4.5 Continuing Education Requirements of the Board Certified Advanced Radon Mitigation Service Provider.

The advanced radon mitigation service provider should complete a minimum of 16 hours of continuing education during each biennial certification and renewal period.

SECTION 5 BOARD ACCREDITATION OF RADON CHAMBERS

5.1 STANDARD SETTING PANEL FOR RADON CHAMBERS

A standard setting panel shall be appointed for accrediting radon chambers.

5.1.1 Panel Composition

The panel should be comprised of stakeholders from the pertinent board member categories listed in section 3.2.1 and where appropriate should utilize existing documents and standards from nationally recognized organizations (such as ANSI, NVLAP, EPA, NELAC, or ISO) for development of this issue.

5.1.2 Panel Objectives

The objectives of the panel should include considering the adoption of previously published standards that are appropriate or establishing new standards, as determined by the panel, and defining terms used throughout the radon chamber accreditation process.

5.1.3 Networking

The standard setting panel should consider networking with NELAC to use ISO documents and to encourage NELAC to conduct site investigations of radon chambers.

5.2 MINIMUM ACCREDITATION REQUIREMENTS FOR RADON CHAMBERS

At a minimum, accredited radon chambers should demonstrate the following.

- Appropriate design and operational criteria including capabilities for device exposures over the range of environmental conditions encountered in indoor environments.
- Acceptable performance on intercomparison exercises with other board accredited radon chambers.
- Acceptable ongoing quality assurance results.
- Traceability to the EPA chamber or National Institute of Standards and Technology (NIST) standard.

SECTION 6

BOARD APPROVAL OF RADON AND RADON DECAY PRODUCT MEASUREMENT DEVICES

6.1 STANDARD SETTING PANEL FOR RADON AND RADON DECAY PRODUCT MEASUREMENT DEVICES

A standard setting panel shall be appointed for approving radon and radon decay product measurement devices.

6.1.1 Panel Composition

The standard setting panel should be comprised of stakeholders from the pertinent board member categories listed in section 3.2.1 and should utilize existing documents and standards from nationally recognized organizations (such as ANSI, NVLAP, EPA, NELAC, or ISO) for development of this issue.

6.1.2 Panel Objectives

The objectives of the panel should include considering the adoption of previously published standards that are appropriate or establishing new standards, as determined by the panel, and defining terms used throughout the radon measurement device approval process.

6.2 MINIMUM APPROVAL REQUIREMENTS FOR RADON AND RADON DECAY PRODUCT MEASUREMENT DEVICES

The panel should develop criteria for the performance, precision and bias of radon and radon decay product devices and establish procedures for evaluating devices in accordance with these criteria. Radon and radon decay product devices should pass performance tests, within +/- 25% in a board accredited radon chamber. Devices that have demonstrated acceptable performance through the EPA's device evaluation program or by meeting comparable state requirements should be considered for approval by the board. Additional device evaluation and performance testing procedures may be established by the panel.

6.2.1 Test Conditions

The tests should be performed over the range of environmental conditions representative of indoor environments in different climates. Additional device evaluation and performance testing procedures may be established by the panel.

SECTION 7 BOARD ACCREDITATION OF RADON LABORATORIES

7.1 STANDARD SETTING PANEL FOR RADON LABORATORIES

A standard setting panel shall be appointed for accrediting radon laboratories.

7.1.1 Panel Composition

The standard setting panel should be comprised of stakeholders from the pertinent board member categories listed in section 3.2.1 and should utilize existing documents and standards from nationally recognized organizations (such as ANSI, NVLAP, EPA, NELAC, or ISO) for development of this issue.

7.1.2 Panel Objectives

The objectives of the panel should include considering the adoption of previously published standards that are appropriate or establishing new standards, as determined by the panel and defining terms used throughout the radon laboratory accreditation process.

7.1.3 Networking

The standards setting panel should consider networking with NELAC to conduct site inspections of radon laboratories.

7.2 MINIMUM ACCREDITATION REQUIREMENTS FOR RADON LABORATORIES

Laboratory accreditation should be received for each device or analysis system reviewed and approved by the board. At a minimum, the accredited radon laboratory should demonstrate the following.

- Appropriate safety, design and operational criteria.
- Acceptable performance through evaluation procedures established by the panel.
- Acceptable ongoing quality assurance results.

SECTION 8 GENERAL RECOMMENDATIONS

8.1 TRANSITION CONSIDERATIONS

Where possible, the board should quickly adopt existing standards and procedures that are now used for the EPA's National Radon Proficiency Program. The board should seek cooperation from the EPA to obtain additional program components for the administration of the board's program such as the current EPA examination databases. Modifications, when necessary, can be made to enhance the program as time permits.

The board should implement "reciprocity" (grand fathering) between "board certified measurement specialist" and "EPA residential service provider." If additional training will be required, such as for QA/QC, the residential service providers could be allowed time to fully qualify. The board should also implement reciprocity between the U. S. EPA listed "residential mitigation service provider" and its own "residential mitigation service provider." The board should investigate issues regarding reciprocity with the EPA and the states, to include the conditions for mutual delisting and decertification of participants.

This privatization document addresses the accreditation of non-portable analytical laboratories or services. It does not include performance testing or proficiency evaluation of analytical service providers who use portable devices. Substantial resources are needed to conduct a program similar to the EPA's proficiency evaluation of analytical service providers. To fill this need, the board may appoint a committee to study new and efficient ways to monitor the proficiency of these portable analytical services. At this time, some states may have to implement their own proficiency programs for this type of service provider by requiring performance tests for individuals and organizations using these devices.

8.2 GOVERNMENT RELATIONS COMMITTEE

State participation and federal acceptance is critical to the implementation and long term success of a private radon certification board. Establishing a government relations committee can provide a valuable liaison between the board and federal and state governments. This committee could assist states to pass laws that would recognize board credentials and coordinate the lead-time states need to revise laws and administrative rules. Therefore, it is important that the board establish a proposed timeline stating when it expects to issue certificates and implement its procedures so that states will have sufficient time to plan accordingly. The committee could assist with other issues such as: 1) coordinating with states to revoke certifications, 2) acceptance of currently approved devices, 3) reciprocity issues, and 4) sharing resources such as databases and proficiency test results.

8.3 LIABILITY ISSUES

The board should consult legal counsel concerning the following liability issues.

- Liability insurance for board members.
- Indemnification of the certification board members and the CRCPD board members.
- The board should clearly state what device approval means or does not mean. This statement should be reviewed to avoid liability issues for device approvals.
- Appeal procedures and revocations.

Paul Lohano

Ad Hoc Committee for the Review of the Privatization Pilot Test Report

May 16, 2000

Charles M. Hardin, Executive Director
Conference of Radiation Control Program Directors
205 Capital Avenue
Frankfort, KY 40601

Dear Mr. Hardin,

On August 31, 1998, the National Environmental Health Association (NEHA) entered into an agreement with the Conference of Radiation Control Program Directors (CRCPD), under a cooperative agreement with the US Environmental Protection Agency (USEPA) to pilot test a draft radon proficiency program. The Project Description of the Request for Proposal required the preparation of a Report Document detailing the results of the test of the *Draft Criteria* within three (3) months following the 12-month test period. In February 2000, NEHA provided their *Final Report to the Conference of Radiation Control Program Directors* on their 12-month pilot test experience.

The purpose of the Ad Hoc Committee's review is drawn from a memo dated Feb 28, 2000, from Patricia Gorman, Deputy Director of CRCPD, to: E-25 Committee Members, Karen Tuccillo and Walt Klein. In that memo, the Ad Hoc Committee was instructed to review the pilot test report and compare it to the *Draft Criteria* and determine if there needs to be any changes to improve the *Draft Criteria*.

The *Ad Hoc Committee for the Review of the Privatization Pilot Test Final Report* (Ad Hoc Committee) is comprised of the following members of SR-11 and E-25: Walt Klein (FL), Bob Stilwell (ME), Adrian Howe (NV), Karen Tuccillo (NJ), Mike Pyles (PA), Mike Brennan (WA) and Marjorie Wallé, Chair (IL). Michael Gilley (FL), a Board Member of the National Environmental Health Association's National Radon Proficiency Program (NEHA NRPP), and also a CRCPD E-25 Committee on Radon member, was not a reviewer of this report.

Several of the individuals serving on this Ad Hoc Committee also served on the Ad Hoc Committee to Review the Privatization Pilot Test Proposals that recommended a contractor to conduct the Privatization Pilot Test. However, in accordance with the directive of the CRCPD Board of Directors, none of the Ad Hoc Committee members served as consultants, board members, or provided project oversight of the NEHA NRPP during this pilot test.

The NEHA Final Report did not identify any elements of the *Draft Criteria* that needed improvement. NEHA did, however, acknowledge that timing and logistics precluded the formation of panels to address specific issues and categories. NEHA also noted that prior commitments and logistics precluded scheduling a joint Board and Technical Review Board meeting in the Spring of 1999, however subsequent meetings were held.

NEHA has varied from the *Draft Criteria* in a few instances, but provided no explanation for those variances. However, from the description of the implementation of the *Draft Criteria*,

variances are based on individual/organizational preference not on weaknesses in the *Draft Criteria*.

The Ad Hoc Committee recommends accepting the *Draft Criteria* as a basis for radon certification programs, with an Addendum related to upgrading quality assurance requirements to a level equivalent to that currently adopted by USEPA, i.e., USEPA's adaption of *ANSI/ASQ E-4-1994 Specification and Guidelines for Quality Systems for Environmental Data Collection and Environmental Technology Program* as its base quality document.

In addition, the Ad Hoc Committee recommends publishing a guidance document to States regarding the qualities to look for in third party/ privatized radon certification programs.

The Ad Hoc Committee appreciates the CRCPD Board of Directors confidence in allowing us to review the Privatization Pilot Test Report. If you have any questions about the review or the recommendations, please contact me directly.

Cordially,


Marjorie Wallé
Chair

CC: Ad Hoc Committee Members

Board of Directors (State & Federal Liaisons)
Curt Hopkins, E-25 Staff

PROPOSED ADDENDUM
to *Draft Criteria*

In light of USEPA's 1999 adoption of a comprehensive Quality Management Program as its own quality system, and that is required for USEPA contractors and organizations receiving assistance – such as State Indoor Radon Grants, - the quality requirements in the *Draft Criteria* are, with this Addendum, brought into alignment with the current USEPA quality standard. The USEPA's quality program guidance is QA/R5 which is USEPA's adaptation of *ANSI/ASQ's E-4 - 1994 Specification and Guidelines for Quality Systems for Environmental Data Collection and Environmental Technology Programs*. The certification body, radon measurement and mitigation practitioners, laboratories, and chambers are expected to commit to and implement quality programs that are consistent with these above mentioned documents, or their equivalents in nationally recognized quality standards, as applicable to their specific practice(s).

**BOARD OF DIRECTORS COMMITTEES
2000-2001**

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CONFERENCE OF RADIATION CONTROL PROGRAM DIRECTORS, INC.

WORKING GROUP (NUMBER/NAME COMPARISON)

May 2000

(Revised May 22, 2000)

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E-6	Committee on Emergency Response Planning	Emergency	Ron Fraass 785/296-1569 E-mail: rfraass@kdhe.state.ks.us
E-20	Committee on Federal Facilities	Fed. Fac.	Ed Bailey 916/322-3482 E-mail: ebailey@dhs.ca.gov
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E-28	Ad Hoc Committee for Video on Superfund Sites	None	J. Klinger (IL) 217/785-9948 E-mail: klinger@idns.state.il.us
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E-30	Liaison- American Association of Radon Scientists and Technologists	AARST	K. Tuccillo (NJ) 609/984-5522 E-mail: ktuccillo@dep.state.nj.us
E-31	Liaison-Association of State and Territorial Solid Waste Management Officials	ASTSWMO	D. Bailey (CA) 916/324-2209 E-mail: dbailey@dhs.ca.gov
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E-36	Task Force on TENORM	TENORM	T. Cardwell (TX) 512/834-6688 E-mail: thomas.cardwell@tdh.state.tx.us

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G-7	Liaison-American National Standards Institute	ANSI	C. Hopkins (OED) 502/227-4543 E-mail: chopkins@crcpd.org
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G-25	Committee on Bylaws	Bylaws	R Fletcher (MD) 410/631-3300 E-mail: rfletcher@mde.state.md.us
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G-44	Task Force on Radiation Priorities	Rad. Priorities	J. Jacobi (CO) 303/692-3036 E-mail: jake.jacobi@state.co.us

G-50	Liaison - National Council on Radiation Protection	NCRP	E. Bailey (CA) 916/322-3482 E-mail: ebailey@dhs.ca.gov
G-52	Liaison-American Academy of Health Physics	AAHP	R. McBurney (TX) 51/834-6689 E-mail: ruth.mcburney@tdh.state.tx.us
HAC	Healing Arts Council	None	J. Schmitt (NE) 402/471-0528 E-mail: jschmit@hhs.state.ne.us
H-3	Committee on Medical Practice	Med. Practice	D. Angelo (PA) 412/442-4225 E-mail: angelo.dennis@dep.state.pa.us
H-4	Committee on Nationwide Evaluation of X-Ray Trends	NEXT	J. Ferruolo (RI) 401/222-2438 E-mail: debduke@aol.com
H-7	Committee on Quality Assurance in Diagnostic X-Ray	QA	J. Winston (PA) 717/783-5920 E-mail: winston.john@dep.state.pa.us
H-11	Committee on Mammography	Mammography	J. Elee (LA) 504/765-0122 E-mail: jennifer_e@deq.state.la.us
H-13	Committee/Liaison - American Society of Radiologic Technologists (ASRT)/American Registry of Radiologic Technologists (ARRT)	ASRT/ARRT	D. Wozniak (CT) 860/424-3534 E-mail: diana.wozniak@po.state.ct.us
H-15	Liaison-American Association of Physicists in Medicine	AAPM	J. Lipoti (NJ) 609/984-5636 E-mail: jlipoti@dep.state.nj.us
H-16	Liaison-Joint Commission of Accreditation of Healthcare Organizations	JCAHO	T. Seif (IL) 512/785-9974 E-mail: seif@idns.state.il.us

H-17	Liaison-American College of Medical Physics	ACMP	K. Traegde (MA) 617/727-6214 E-mail: kenath.traegde@state.ma.us
H-19	Liaison-American Chiropractic Association	ACA	C. Becker (FL) 850/487-1004 E-mail: cindy_becker@doh.state.fl.us
H-20	Liaison-Breast Cancer Organizations	None	K. Farris (MA) 617/727-6214 E-mail: karen.farris@state.ma.us
H-22	Task Force to Minimize the Risk from Fluoroscopy	None	J. Hawkinson (MN) 651/215-0938 E-mail: june.hawkinson@health.state.mn.us
SC	Special Council* <i>(reports to CRCPD Chair-Elect)</i>	NONE	P. Merges (NY)
S-1	Liaison-American College of Radiology	ACR	J. Lipoti (NJ) 609/984-5636 E-mail: jlipoti@dep.state.nj.us
S-2	Task Force on CRCPD Strategic Planning	Goals	D. Tefft (NH) 603/271-4625 E-mail: dtefft@ddhs.state.nh.us
S-3	Liaison-National Conference of State Legislatures/National Governors' Association	NCSL/NGA	P. Schmidt (WI)* 608/267-4792 E-mail: schmips@dhfs.state.wi.us <i>(always CRCPD Chairperson)</i>
S-4	Commission on Training	Training	K. Allen (IL) 217/785-9931 E-mail: k_allen@idns.state.il.us
S-5	Ad Hoc Committee on States' Role in National Radioactive Materials Regulation Development	Regulation Development	C. Cardwell 512/834-6688 E-mail: cindy.cardwell@tdh.state.tx.us

SRC	Suggested State Regulations Council	SRC	J. McNeas (AL) 334/206-5391 E-mail: jmcneas@adph.state.al.us
SR-1	Suggested Regulations-Group 1	SR-1	V. Cooper (KS) 785/296-1561 E-mail: vcooper@kdhe.state.ks.us
SR-2	Suggested Regulations-Group 2 A: General Provisions D: Standards for Protection Against Radiation J: Notices, Instructions, and Reports to Workers: Inspection	SR-2	C. Bradley (AR) 501/661-2301 E-mail: cbradley@mail.doh.state.ar.us
SR-3	Suggested Regulations-Group 3 H: Radiation Safety Requirements for Analytical X-Ray I: Radiation Safety Requirements for Particle Accelerators	SR-3	D. Allard (PA) 717/787-2480 E-mail: allard.david@dep.state.pa.us
SR-4	Suggested Regulations-Group 4 B: Registration of Radiation Machines, Facilities and Services F: X-Rays in the Healing Arts	SR-4	D. Norton (SD) 605/772-3356 E-mail: donald.norton@state.sd.us
SR-5	Suggested Regulations-Group 5 N: TENORM Rules	SR-5	T. Hill (GA) 404/362-2675 E-mail: thill@mail.dnr.state.ga.us
SR-6	Suggested Regulations-Group 6 G: Use of Radionuclides in the Healing Arts	SR-6	D. Walter (AL) 334/206-5391 E-mail: dwalter@adph.state.al.us
SR-7	Suggested Regulations-Group 7 E: Radiation Safety Requirements for Industrial Radiographic Operations Q: Licenses and Radiation Safety Requirement for Irradiators W: Radiation Safety Requirements for Wireline Service Operations and Subsurface Tracer Studies	SR-7	D. Turberville (AL) 334/206-5391 E-mail: dturberville@adph.state.al.us

SR-8	Suggested Regulations-Group 8 (Medical Therapy)	SR-8	D. Gilley (FL) 850/487-1004 E-mail: debbie_gilley@doh.state.fl.us
SR-9	Suggested Regulations-Group 9 (Nonionizing)	SR-9	R. Watkins (MA) 617/727-6214 Coordinator E-mail: robert.watkins@state.ma.us
SR-11	Suggested Regulations-Group 11 (Radon)	SR-11	Walter Klein 850/488-1525 E-mail: walter_klein@doh.state.fl.us
SR-12	Suggested Regulations-Group 12 M: Licensing Requirements for Land Disposal of Radioactive Waste O: Decontamination/Decommissioning P: Licensee Contingency Plan S: Bonding and Surety T: Transportation of Radioactive Material	SR-12	K. Weaver 303/692-3058 E-mail: klweaver@smtpgate.dphe.state.co.us
SR-13	Suggested Regulations-Group 13 U: Licensing Requirements for Uranium and Thorium Processing and Related Radioactive Materials	SR-13	C. Rogers 402/471-6430 E-mail: crogers@hhs.state.ne.us

FOR ADDITIONAL INFORMATION CONTACT:

Sue Smith
CRCPD/Office of Executive Director (OED)
205 Capital Avenue
Frankfort, KY 40601
Phone: (502) 227-4543
Fax: (502) 227-7862

GUIDE FOR NEW BOARD MEMBERS

Congratulations on being elected to the CRCPD Board of Directors. It is an honor to have been elected by your peers to such a position. This guide is intended as the initial guide for incoming members to the Board.

A. Board Responsibility

It is the responsibility of members of the Board of Directors to set policy for the organization in accordance with the ByLaws and Articles of Incorporation. Additionally, the Board provides direction and guidance to the Executive Director, and by vote or consensus, decide on certain identified issues, proposals, or positions.

B. Board Meetings

Currently, the Board of Directors meets twice times a year, at the Annual meeting, and at a fall meeting. The fall meeting is usually held in the Washington, DC area, although it may be held at other locations.

C. Board Composition

The Board is composed of seven officers from separate state or local radiation control programs. These seven individuals constitute the voting members of the Board.

The officers, and their respective terms, are as follows:

Office	Term	Comment
Chairperson-Elect	One year	At end of term, automatically moves to Chairperson
Chairperson	One Year	At end of term, automatically moves to Past Chairperson
Past-Chairperson	One Year	
Treasurer	Three Years	
Member-At-Large (3)	Three Years	Terms are staggered to allow continuity

For each of the federal agencies that provide primary funding to the CRCPD, a liaison from that agency is invited to attend all Board meetings. The current liaisons from the respective agencies are shown in the table below.

<u>Agency</u>	<u>Liaison</u>
FDA (CDRH)	John McCrohan
FDA (ORA)	Steve Toigo
EPA	Mary Clark
NRC	Paul Lohaus
DOE	Martin Letourneau/Donald MacKenzie
FEMA	Nancy Goldstein
NIST	Stephen Seltzer

D. Actions on Issues

When practicable, issues that are not time sensitive are held for consideration and action of the Board at one of the two regular meetings. However, because most issues to be decided by the Board are time sensitive, a great majority of issues are decided between the regular meetings by a voice mail box system known as T-Mail. For the "T-Mail" procedures, see attachment I. Occasionally, the issues are too controversial or complicated, which may be handled by a conference call between the members.

E. Handbook

Each Board member is provided a Board of Directors' Handbook which includes a copy of the CRCPD Articles of Incorporation, Constitution, Bylaws, Travel Regulations and Board Policies.

It is the responsibility of the Board member to assure that this Handbook is properly updated when new information is sent from the Office of Executive Director (OED).

F. Council Chairpersons

The Board of Directors has established four Councils in the following areas: Healing Arts, Environmental Nuclear, Suggested State Regulations, General, and Special. Different members of the Board are the Chairpersons of one of these Councils. For the 2000-2001 year, the Chairpersons of these Councils are:

Healing Arts	Julia Schmitt
Environmental Nuclear	Russell Takata
Suggested State Regulations	James McNees
General	Gary Robertson
Special	Paul Merges

Attachment II shows the CRCPD working groups, and the Councils under which they are coordinated.

It is the primary responsibility of the Council Chairperson to serve as the connecting link between the working group and the Board of Directors. The specific responsibilities of the Council Chairperson are identified in the Operations Handbook. Each Council Chairperson is expected to provide a report of the status of the various working groups under their coordination at each board meeting, preferably in writing.

Telephone Mail System

ues which require a vote of the Board of Directors of CRCPD may be decided by vote over a telephonic mail system (T-mail). The Office of Executive Director (OED) has been assigned a central mail box, and each individual Board member is provided a personal mail box. The Board members can contact other Board members by depositing a message in the respective Board member's box. A Board member may also deposit a message to the central mail box of the OED for transfer to all the other Board members. Additionally, there is an 800 Message Center number, for anyone in the world to deposit a message which is later transferred to the Board. Sue Smith will provide each new Board member with a phone number for their personal box, and provide instructions on how to use the system.

Voting procedure over T-Mail:

1. A member makes a motion over T-mail, transferring the motion to the central OED mail box.. The member providing the motion should state one of the following before making the motion:
 - i) "The following motion is an original motion."
 - ii) "The following motion is an amended motion."
 - iii) "The following motion is a substitute motion."

For clarity and succinctness, the member is strongly urged to first write his/her motion on paper, then read the motion over T-mail.

2. The motion will be transferred to all CRCPD Board members, via T-mail, by the OED..
3. At a later time when the Board member accesses his/her T-Mail box, which can be access from any place in the world, "Molly," a recorded voice, will state that you have a new message. Accessing that message will allow you to hear the motion. The Board member has one of the following action options in acting on the motion:
 - a) Vote "aye" for the motion.
 - b) Vote "nay" against the motion.
 - c) Request debate on the motion.

Note: Many times before a Board member will cast his/her "aye" or "nay" vote, he/she will provide comment on a motion to the OED, with no clear indication that he/she wants to debate the issue. Without a **"REQUEST FOR DEBATE"**, such comments have no formal significance. Such comments should be made to the originator of the motion, not to the OED. However, if the member desires formal debate, he/she must state the following before making his/her comments: **"I request debate on this motion"**. He/she should then provide comments to begin the debate.

4. If there no debate is requested, a majority vote of the Board members (4 votes) will carry the decision on the issue. However, should any member request a debate, no action will be taken on the issue until debate is provided. Any votes which have been casts prior to the time that a Board member request debate will be null and void.
5. If a Board member requests "debate", the OED will transfer the member's request, with his/her comments to the other T-mail members. All additional comments on the issue will be transferred to the Board members as received. Once the debate period has ended, the issue shall be re-offered for vote by the OED, unless a "Continuing Debate" is requested. (Due to the complexity of managing a motion under debate, it is strongly recommended that no amendments nor substitutions be offered until the debate has ended.)

Time Frame for Voting Actions

1. A period of 3 working days from the end of the day on which a motion was transferred to the members will be allowed before voting opportunities will be closed. The exception to this time period is when any member requests a "debate" on the issue. On the fourth working day following the transfer of a motion, and if no request for "debate" has been requested, then the vote will become final, provided a majority of the cast their vote can carry an "aye" or "nay."
2. If a member requests a "debate" on an issue, an additional 3 working days will be allowed for debate. At any time during the additional 3 days, if the member who requested debate becomes satisfied with the discussion, he/she may request that a final vote be taken on the issue. On the 4th working day after the close of the debating period, the issue shall be re-offered for vote by the OED. The vote will then become final, provided a majority of the members have cast an "aye" or "nay" vote.
3. At any time during the debating period, should another member, other than the member who originally requested debate, request continued debate, then the three day debate period will commence from the day that such additional debate was requested.

CRCPD Working Groups March 2000			
#	Title	Short	Chair
H-1	Healing Arts Council	HAC	Schmitt
H-2	Terminated	****	****
H-3	Committee on Medical Practice	Medical	Angelo
H-4	Committee on Nationwide Evaluation of X-Ray Trends	NEXT	Ferruolo
H-5	Terminated	****	****
H-6	Terminated	****	****
H-7	Committee on Quality Assurance in Diagnostic X-ray	QA	Winston
H-8	Terminated	****	****
H-9	Terminated	****	****
H-10	Terminated	***	***
H-11	Committee on Mammography	Mammography	Elee
H-12	Terminated	***	***
H-13	Committee/Liaison-American Society of Radiologic Technologists (ASRT)/American Registry of Radiologic Technologists (ARRT)	ASRT/ARTT	Wozniak
H-14	Terminated	****	****
H-15	Liaison- American Association of Physicists in Medicine (AAPM)	AAPM	Lipoti
H-16	Liaison- Joint Commission on Accreditation of Healthcare Organizations (JCAHO)	JCAHO	Seif

H-17	Liaison- American College of Medical Physics (ACMP)	ACMP	Traedge
H-18	Terminated (Combined with H-13)	****	****

H-19	Liaison- American Chiropractic Association (ACA)	ACA	Becker
H-20	Liaison-Breast Cancer Organizations	BCO	Vacant
H-21	Terminated	***	***
H-22	Task Force to Minimize the Risk from Fluoroscopy	***	Hawkinson
E-1	Environmental Nuclear Council	ENC	Cardwell
E-2	Terminated	***	***
E-3	Terminated	***	***
E-4	Terminated	***	***
E-5	Committee of Radioactive Waste Management	LLW	D. Bailey
E-6	Committee on Emergency Response Planning	Emergency	Fraass
E-7	Terminated	***	***
E-8	Terminated	***	***
E-9	Terminated	***	***
E-10	Terminated	****	****
E-11	Terminated	****	****
E-12	Terminated	****	****
E-13	Terminated	****	****
E-14	Terminated	****	****
E-15	Terminated	****	****
E-16	Terminated	****	****
E-17	Terminated	****	****
E-18	Terminated	****	****
E-19	Terminated (Combined with G-40)	****	****

E-20	Committee on Federal Facilities	FED	E. Bailey
E-21	Terminated	****	****
E-22	Terminated	****	****
E-23	Committee on Resource Recovery and Radioactivity	Scrap	McAllister
E-24	Committee on Decontamination and Decommissioning	D & D	McBaugh
E-25	Committee on Radon	Radon	Wallé
E-26	Coordinator for Radioactive Material Transportation	Transportation	Godwin
E-27	Terminated	****	****
E-28	Ad Hoc Committee for Video on Superfund Site Cleanup	Video	Klinger
E-29	Liaison-Association of State Drinking Water Administrators and the American Water Works Association	ASDWA/AWWA	Stilwell
E-30	Liaison-American Association of Radon Scientists and Technologists	AARST	Tuccillo
E-31	Liaison-Association of State and Territorial Solid Waste Management Officials	ASTSWMO	D. Bailey
E-32	Liaison-Environmental Conference of the States	ECOS	Fletcher
E-33	Liaison-National Environmental Laboratory Accrediation Committee	NELAC	Volpe
E-34	Committee on Unwanted Radioactive Materials	None	Klinger
E-35	Committee on Multi-Agency Radiation Survey and Site Investigation Manual (MARSSIM)	MARSSIM	Keaton
E-36	Task Force on TENORM	TENORM	Cardwell
GC	General Council	GC	Robertson
G-2	Committee on Ionizing Measurements	Measurement	Lommler

G-3	Terminated	****	****
G-4	Terminated	****	****
G-5	Terminated	****	****
G-6	Terminated	****	****
G-7	Liaison - American National Standards Institute (ANSI)	ANSI	Hopkins
G-8	Terminated	****	****
G-9	Committee on Resolutions	Resolution	Whatley
G-10	Committee on Awards Selection	Awards	McBurney
G-11	Terminated	****	****
G-12	Terminated	****	****
G-13	Combined with S-1	****	****
G-14	Terminated	****	****
G-15	Terminated	****	****
G-16	Terminated	****	****
G-17	Terminated	***	***
G-18	Terminated	****	****
G-19	Terminated	****	****
G-20	Committee on Licensing State Designation	Licensure	Fraze
G-21	Terminated	***	***
G-22	Terminated	****	****
G-23	Terminated	****	****
G-24	Terminated	****	****
G-25	Committee on Bylaws	Bylaws	Fletcher

G-26	Terminated	****	****
G-27	Terminated	****	****
G-28	Terminated	****	****
G-29	Terminated	****	****
G-30	Terminated	****	****
G-31	Terminated	****	****
G-32	Combined with S-2	****	****
G-33	Terminated	****	****
G-34	Committee on Industrial Radiography	IR	Endahl
G-35	Terminated	****	****
G-36	Liaison - Health Physics Society (HPS)	HPS	Fordham
G-37	Combined with S-3	****	****
G-38	Terminated	***	***
G-39	Terminated	****	****
G-40	Coordinator for Nonionizing	Nonionizing	Watkins
G-41	Terminated	****	****
G-42	Terminated	****	****
G-43	Terminated	****	****
G-44	Task Force on Radiation Priorities	Priorities	Jacobi
G-45	Terminated	****	****
G-46	Terminated	****	****
G-47	Terminated	****	****
G-48	Terminated	****	****

G-49	Terminated	****	****
G-50	Liaison to the National Council on Radiation Protection (NCRP)	NCRP	Bailey
G-51	Terminated	****	****
G-52	Liaison-American Academy of Health Physics	AAPH	McBurney
SRC	Suggested State Regulations Council	SRC	McNees
SR-1	Suggested Regulations - Group 1 (Part C)	SR-1	Cooper
SR-2	Suggested Regulations - Group 2 (Combined Parts A, D, & J)	SR-2	Bradley
SR-3	Suggested Regulations - Group 3 (Combined Parts H & I)	SR-3	Allard
SR-4	Suggested Regulations - Group 4 (Combined Parts B & F)	SR-4	Takata
SR-5	Suggested Regulations - Group 5 (Part N)	SR-5	Hill
SR-6	Suggested Regulations - Group 6 (Formerly SR G/L)	SR-6	Walter
SR-7	Suggested Regulations - Group 7 (Formerly Parts E/W and Q)	SR-7	Turberville
SR-8	Suggested Regulations - Group 8 (Medical Therapy)	SR-8	Gilley
SR-9	Suggested Regulations - Group 9 (Formerly SR-II)	SR-9	Watkins
SR-10	Terminated	****	****
SR-11	Suggested Regulations - Group 11 (Part R - Radon)	SR-11	Klein
SR-12	Suggested Regulations - Group 12 (Parts M, O, P, S, & T)	SR-12	Weaver
SR-13	Suggested Regulations - Group 13 (Part U)	SR-13	Rogers
SC	Special Council	SC	Schmidt
S-1	Liaison - American College on Radiology (ACR)	ACR	Lipoti
S-2	Task Force on CRCPD Strategic Planning	Goals	Tefft
S-3	Liaison - National Conference on State Legislatures and National Governors' Association (NCSL/NGA)	NCSL/NGA	Hallisey

S-4	Commission on Training	Training	Allen
NORM	Terminated	****	****
NAC	Terminated	****	****
TRG	Combined with S-4	****	****

Part A (General Provisions): SR-2

Part B (Registration of Radiation Machine Facilities and Services): SR-4

Part C (Licensing of Radioactive Material): SR-1

Part D (Standards for Protection Against Radiation): SR-2

Part E (Radiation Safety Requirements for Industrial Radiographic Operations): SR-7

Part F (X-Rays in the Healing Arts): SR-4

Part G (Use of Radionuclides in the Healing Arts): SR-6

Part H (Radiation Safety Requirements for Analytical X-Ray Equipment): SR-3

Part I (Radiation Safety Requirements for Particle Accelerators): SR-3

Part J (Notices, Instructions, & Reports to Workers; Inspections): SR-2

Part L (Nuclear Medicine) SR-6

Part M (Licensing Requirements for the Disposal of Radioactive Waste): SR-1

Part N (NORM Regulations): SR-5

Part O (Decontamination/Decommissioning): SR-1

Part P (Emergency Planning): SR-1

Part Q (Licenses and Radiation Safety Requirements for Irradiators): SR-7

Part R (Radon): SR-11

Part S (Bonding & Surety): SR-1

Part T (Transportation of Radioactive Material): SR-1

Part U (Licensing Requirements for Source Material Milling Facilities): SR-1

Part W (Radiation Safety Requirements for Wireline Service Operations and Subsurface Tracer Studies): SR-7

Medical Therapy: SR-8

Nonionizing: SR-9

Regulatory Guides: SR-10

Terminated Working Groups

- H-2: Task Force on Adequate Program - Nonionizing
- H-5: Task Force on Credentialing of Allied Health Operators
- H-6: Committee on Training (Transferred to G-48)
- H-8: Task Force on Nonionizing Radiation
- H-9: Committee on Ionizing Radiation Therapy
- H-13: Committee on Radiologic Technology Education and Licensure (combined with H-18 & changed WG# to H-13 with new name)
- H-14: Ad Hoc Committee on Clinical Image Reviews
- H-18: Liaison-American Society of Radiologic Technologist (ASRT) and the American Registry of Radiologic Technologist (ARRT) (Combined was changed to H-13 and H-13 was combined with H-18)
- H-21 Ad Hoc Committee for Calibration on Densitometers
- E-2: Committee on Evaluation and Distribution of Radioactive Sources and Devices not Manufactured Under the Atomic Energy Act
- E-3: Task Force on Adequate Program - RAM
- E-4: Committee on Natural Radioactive Contamination
- E-8: Committee on Uranium Tailings
- E-9: Committee on High-Level Waste
- E-10: Task Force on Adequate Program - Environmental
- E-11: Committee on Decommissioning and Decontamination (Combined with E-24)
- E-12: Committee on Transportation Education (Combined with SR - Group I)
- E-13: Radon Policy Committee
- E-14: Committee on Bonding and Surety
- E-15: Task Force on Procedures Manual - Radioactive Materials
- E-16: Task Force on Criteria for Adequate Radiation Control Program - Radon
- E-17: Task Force on State Environmental Laboratory Accreditation
- E-18: Committee on NARM Coordination
- E-19: Committee on Electromagnet Effects
- E-21: Previously Committee on Radon Public Awareness, combined into E-25
- E-22: Previously Committee on Radon Program Implementation, combined into E-25
- E-27: Committee on Radioactive Waste Disposal Facility Regulation and Licensing
- G-1: IOAC
- G-3: Committee on Nonionizing Measurement
- G-4: Committee on Radon Measurements
- G-5: Liaison to NBS Interagency Policy Committee (Combined with G-2)
- G-6: Liaison to NRC: 10 CFR 30, 40, 70
- G-8: Liaison to NRC: 10 CFR 20
- G-11: Liaison to NRC: 10 CFR 35
- G-12: Ad Hoc/Review of State Profile Questionnaire
- G-13: Liaison - American College on Radiology (ACR) (placed under SC (S-1))

G-14: Liaison to EPA: Occupational Exposure Standards
 G-15: Liaison to EPA: Nonionizing Public Exposure
 G-16: Calibration Laboratory Review Committee (combined with G-2)
 G-17: Liaison-American Association of Physicists in Medicine (Placed under HAC (H-15)
 G-18: Committee on Public Information
 G-19: Liaison to ASTHO
 G-21: Liaison-Joint Commission on Accreditation of Healthcare Organization (JACHO) (Placed under HAC (H-16)
 G-22: Liaison - IEEE Standards Coordinator Committee 28 (Nonionizing Radiation) - Activities combined with G-7
 G-23: Committee on Data Management
 G-24: Committee on State Program Staff Retention
 G-26: Liaison to NBS: Health Physics Committee (combined with G-2)
 G-27: Committee on NRC Agreement States
 G-28: Liaison-American College of Medical Physics (ACMP) (Placed under HAC (H-17)
 G-29: Task Force on Radiographer Credentialing Criteria (combined with E/W)
 G-30: Task Force on Explosive Detection Systems
 G-31: Liaison CIRRPC
 G-32: Task Force on CRCPD Strategic Planning (Placed under SC (S-2)
 G-33: Committee on International Radiation Protection
 G-35: Committee on CRCPD Trust Funds
 G-37: Liaison - National Conference of State Legislatures/National Governors' Assoc. (Placed under SC (S-3)
 G-38: Liaison - American Society of Radiologic Technologist (ASRT) and the American Registry of Radiologic Technologists (ARRT) (Placed under HAC (H-18)
 G-39: Committee on Information Dissemination
 G-41: Ad Hoc Committee on Information Resources
 G-42: Ad Hoc Committee on CRCPD History
 G-43: Liaison - American Chiropractic Association (ACA) (Placed under the direction of the Healing Arts Council (H-19)
 G-45: Task Force on Comined Criteria Documents for an Adequate Radiation Control Program
 G-46: Liaison for Public Relations
 G-47: Committee on International Affairs
 G-48: Committee on Training (Combined with Training Commission)
 G-49: Ad Hoc Committee on Evaluation of New Regulation Development
 G-51: Ad Hoc Committee - Sponsoring Members
 SR-10: Suggested Regulations - Group 10 (Regulatory Guides)
 Commission on Training (Placed under SC - (S-4)
 Commission on NORM
 NORM Advisory Committee

CONFERENCE OF RADIATION CONTROL PROGRAM DIRECTORS, INC.

WORKING GROUP (NUMBER/NAME COMPARISON)

May 2000

(Revised May 22, 2000)

OED #	FULL NAME	SHORT NAME	CHAIRPERSON
ENC	Environmental Nuclear Council	None	R. Takata (HI)
E-5	Committee on Radioactive Waste Management	Waste	D. Bailey (CA)
E-6	Committee on Emergency Response Planning	Emergency	R. Fraass (KS)
E-20	Committee on Federal Facilities	Fed. Fac.	E. Bailey (CA)
E-23	Committee on Resource Recovery & Radioactivity	Res. Recovery	K. McAllister (MA)
E-24	Committee on Decontamination and Decommissioning	D & D	D. McBaugh (WA)
E-25	Committee on Radon	Radon	M. Wallé (IL)
E-26	Coordinator for Radioactive Material Transportation	Rad. Material	A. Godwin (AZ)
E-28	Ad Hoc Committee for Video on Superfund Sites	None	J. Klinger (IL)
E-29	Liaison-Association of State Drinking Water Administrators and the American Water Works Association	ASDWA/ AWWA	R. Stilwell (ME)
E-30	Liaison-Association of Radon Scientists and Technologists	AARST	K. Tuccillo (NJ)
E-31	Liaison-Association of State and Territorial Solid Waste Management Officials	ASTSWMO	D. Bailey (CA)
E-32	Liaison-Environmental Council of the States	ECOS	R. Fletcher (MD)
E-33	Liaison-National Environmental Laboratory Accreditation Conference	NELAC	J. Volpe (KY)
E-34	Committee on Unwanted Radioactive Materials	None	J. Klinger (IL)
E-35	Committee on Multi-Agency Radiation Survey and Site Investigation Manual (MARSSIM)	MARSSIM	H. Keaton (FL)
E-36	Task Force on TENORM	TENORM	T. Cardwell (TX)
GC	General Council	None	G. Robertson (WA)
G-2	Committee on Ionizing Measurements	Measure	B. Lommler (IL)
G-7	Liaison-American National Standards Institute	ANSI	C. Hopkins (OED)
G-9	Resolution Coordinator	Resolution	K. Whatley (AL)
G-10	Committee on Awards Selection	Awards	R. McBurney (TX)
G-20	Committee on Licensing State Designation	License	T. Frazee (WA)
G-25	Committee on Bylaws	Bylaws	R. Fletcher (MD)
G-34	Committee on Industrial Radiography	IR	J. Endahl (TX)
G-36	Liaison-Health Physics Society	HPS	E. Fordham (WA)

G-40	Coordinator for NonIonizing	Nonionizing	R. Watkins (MA)
G-44	Task Force on Radiation Priorities	Rad. Priorities	J. Jacobi (CO)
G-50	Liaison - National Council on Radiation Protection	NCRP	E. Bailey (CA)
G-52	Liaison-American Academy of Health Physics	AAHP	R. McBurney (TX)
HAC	Healing Arts Council	None	J. Schmitt (NE)
H-3	Committee on Medical Practice	Med. Practice	D. Angelo (PA)
H-4	Committee on Nationwide Evaluation of X-Ray Trends	NEXT	J. Ferruolo (RI)
H-7	Committee on Quality Assurance in Diagnostic X-Ray	QA	J. Winston (PA)
H-11	Committee on Mammography	Mammography	J. Elee (LA)
H-13	Committee/Liaison - American Society of Radiologic Technologist (ARST)/American Registry of Radiologic Technologists (ARRT)	ASRT/ARRT	D. Wozniak (CT)
H-15	Liaison-American Association of Physicists in Medicine	AAPM	J. Lipoti (NJ)
H-16	Liaison-Joint Commission of Accreditation of Healthcare Organizations	JCAHO	T. Seif (IL)
H-17	Liaison-American College of Medical Physics	ACMP	K. Traegde (MA)
H-19	Liaison-American Chiropractic Association	ACA	C. Becker (FL)
H-20	Liaison-Breast Cancer Organizations	NONE	K. Farris (MA)
H-22	Task Force to Minimize the Risk from Fluoroscopy	NONE	J. Hawkinson (MN)
SC	Special Council* (reports to CRCPD Chair-Elect)	NONE	P. Merges (NY)
S-1	Liaison-American College of Radiology	ACR	J. Lipoti (NJ)
S-2	Task Force on CRCPD Strategic Planning	Goals	D. Tefft (NH)
S-3	Liaison-National Conference of State Legislatures/National	NCSL/NGA	P. Schmidt (WI)* (always CRCPD Chairperson)
S-4	Commission on Training	Training	K. Allen (IL)
S-5	Ad Hoc Committee on the States' Role in National Radioactive Materials Regulation Development	Regulation Development	C. Cardwell (TX)

SRC	Suggested State Regulations Council	SRC	J. McNees (AL)
SR-1	Suggested Regulations-Group 1 C: Licensing of Radioactive Materials	SR-1	V. Cooper (KS)
SR-2	Suggested Regulations-Group 2 A: General Provisions D: Standards for Protection Against Radiation J: Notices, Instructions, and Reports to Workers: Inspection	SR-2	C. Bradley (AR)
SR-3	Suggested Regulations-Group 3 H: Radiation Safety Requirements for Analytical X-Ray I: Radiation Safety Requirements for Particle Accelerators	SR-3	D. Allard (PA)
SR-4	Suggested Regulations-Group 4 B: Registration of Radiation Machines, Facilities and Services F: X-Rays in the Healing Arts	SR-4	D. Norton (SD)
SR-5	Suggested Regulations-Group 5 N: TENORM Rules	SR-5	T. Hill (GA)
SR-6	Suggested Regulations-Group 6 G: Use of Radionuclides in the Healing Arts	SR-6	D. Walter (AL)
SR-7	Suggested Regulations-Group 7 E: Radiation Safety Requirements for Industrial Radiographic Operations Q: Licenses and Radiation Safety Requirement for Irradiators W: Radiation Safety Requirements for Wireline Service Operations and Subsurface Tracer Studies	SR-7	D. Turberville (AL)
SR-8	Suggested Regulations-Group 8 (Medical Therapy)	SR-8	D. Gilley (FL)
SR-9	Suggested Regulations-Group 9 (Nonionizing)	SR-9	R. Watkins (MA) Coordinator
SR-11	Suggested Regulations-Group 11 (Radon)	SR-11	W. Klein (FL)
SR-12	Suggested Regulations-Group 12 M: Licensing Requirements for Land Disposal of Radioactive Waste O: Decontamination/Decommissioning P: Licensee Contingency Plan S: Bonding and Surety T: Transportation of Radioactive Material	SR-12	K. Weaver (Co)
SR-13	Suggested Regulations-Group 13 U: Licensing Requirements for Uranium and Thorium Processing and Related Radioactive Materials	SR-13	C. Rogers (NE)

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