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STATE OF FLORIDA
BUREAU OF RADIATION CONTROL
ADVISORY COUNCIL ON RADIATION PROTECTION
MEETING

HYATT REGENCY - ORLANDO AIRPORT
Orlando, Florida

Tuesday, October 18, 2011

* * * * *

ADVISORY COUNCIL MEMBERS:

- DR. RANDY SCHENKMAN
- DR. WILLIAM ATHERTON
- DR. ALBERT ARMSTRONG
- MS. CAROL BONANNO, CNMT
- MS. KATHLEEN DROTAR, M.Ed., RT, (R)(N)(T)
- MR. PAUL BURRESS, CHP
- MR. MARK SEDDON, MP, DABR, DABMP
- MS. PATRICIA DYCUS, BS, RRA (R)(M), RDMS

BUREAU OF RADIATION CONTROL STAFF:

- WILLIAM (BILL) PASSETTI, Bureau Chief
- JAMES FUTCH, Administrator
- JOHN WILLIAMSON, Administrator
- JANET COOKSEY, Management Review Specialist

MEDICAL QUALITY ASSURANCE STAFF:

- BETSEY HINES, Rad Tech Licensing
- GAIL CURRY, Rad Tech Licensing

1 (Whereupon, the meeting was called to
2 order by Dr. Schenkman, after which the following
3 occurred:)

4 * * * * *

5 DR. SCHENKMAN: Dr. Janowitz is not here
6 today, so I'm playing Chairman. Why don't we just go
7 around the room and everybody introduce
8 yourselves, say who you and what you do?

9 I'm Randy Schenkman and I'm a retired
10 radiologist.

11 MS. HINES: I'm Betsey Hines and I'm in the
12 certification office in Tallahassee.

13 MS. CURRY: Gail Curry, I'm also with
14 certification.

15 MR. BURRESS: Paul Burress. I'm a health
16 physicist and I work at Florida State University.

17 MS. DROTAR: Kathy Drotar. I'm with Keiser
18 University. I'm the university department chair
19 for radiology and radiation therapy.

20 MS. COOKSEY: I'm Janet Cooksey with
21 Radiation Control.

22 MR. FUTCH: I'm James Futch also with the
23 Bureau of Radiation Control.

24 MR. PASSETTI: Bill Passetti. I'm the Bureau
25 Chief of Radiation Control.

1 MS. BONANNO: Carol Bonanno, recently
2 retired, and I represent the nuclear medicine
3 field in the state of Florida.

4 MR. SEDDON: Mark Seddon, medical physicist
5 and RSO and chief physicist for Florida Hospital.

6 MS. DYCUS: Patty Dycus, I'm a registered
7 radiologist assistant and representing the Board.

8 DR. SCHENKMAN: Okay. Well, welcome
9 everybody.

10 Janet, do you have a copy of the minutes of
11 if anybody needs them?

12 MS. COOKSEY: I do.

13 DR. SCHENKMAN: Okay. Does anybody have any
14 comments about the minutes from the last meeting?
15 Comments, corrections, anything?

16 Well, if anybody wants to see them at any
17 point later on, Janet has them.

18 So can we take a vote -- do we need to wait
19 for Bill to approve the minutes?

20 MR. FUTCH: We'll have to do it again when he
21 gets here, so --

22 DR. SCHENKMAN: Okay. We'll defer our vote
23 on that.

24 Okay. Now we need to discuss election of
25 chairpersons, but - we need to wait for a quorum,
Janet, do you want to get started?

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MS. COOKSEY: In your packet in the pocket on the left side, I put your travel information, your documents, and some instructions, and I just need you to sign the white copy. On the peach colored one you can write in your time and date of departure and all the different things that are listed, and you can give those back to me at the end of the day or you can send them back in the envelope that's attached.

I also put your current contact information in the packet. I just need you to check that over and let me know if there are any changes. I brought the copy of the bylaws that were adopted in 2007, and they need to be signed by the Chair and the Vice-Chair, so when we do that election today we can get signatures. There are no changes since that time, so I don't know if anybody wants to look at them but I have a copy of them in case you do.

MR. FUTCH: Randy, with your permission I'll go over to Tab C and talk about the specialty technology.

DR. SCHENKMAN: Yeah, we'll wait for Bill to do the chairperson.

1 MR. FUTCH: You'll be happy to know that the
2 specialty technologist issue which the Council has
3 been supportive of for -- I've lost count of how
4 many years. I think at least three, four, maybe
5 more.

6 This year apparently we must have done
7 something right or something different than we did
8 in previous years because the Surgeon General
9 supported the specialty technologist legislation,
10 as approved by the Council and as written by the
11 Department at the last meeting in October, 2010,
12 and allowed that to go forward as one of the
13 Department's initiatives to the Governor's office,
14 who also supported it and allowed it to go forward
15 to find legislative sponsors downtown this year.

16 We were fortunate to find two sponsors,
17 Representative Oliva from Miami in the House and
18 Representative Flores -- excuse me, Senator Flores
19 also from Miami in the Senate. So we actually
20 have two bills. They just came out of bill
21 drafting about -- I think about two weeks ago.
22 One of them is in front of you. It's underneath
23 Tab C in your folders and this is Senate Bill 376,
24 and the companion bill in the House as written in
25 the upper right-hand corner, it's House Bill 309.

1 These are identical. These exactly match what we
2 had submitted as the Department's proposal and
3 it's almost exactly word for word what you all
4 have approved in October 2010, with some minor
5 grammar fixes here and there.

6 There are -- whenever we have a bill that
7 goes through the Senate's offices especially, they
8 like to fix grammar in existing law, and you'll
9 see a little bit of that.

10 For example, if you look at the -- let's see
11 where the first place is they do this. If you'll
12 look at the bottom of page five of Senate Bill
13 376, you'll see a paragraph down there where they
14 have changed the phrase, "...or the rules adopted
15 thereunder..." to "...applicable rules...".

16 Further on, they've changed the statement
17 that says, "No application for a limited CT
18 certificate shall be accepted...". They've
19 changed that to "An application may not be
20 accepted...", and this is the kind of thing that
21 happens. They usually take any statements that
22 the current law has that are in plural form, they
23 change it to singular. Anything that says "shall
24 not", they try and say "may not"; so they try to
25 apply their rules of grammar in the current, I

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guess, bill drafting thinking.

But here's the important point: it doesn't change anything at all with regard to that substantive part of that law. It's just something that comes along for the ride. It usually causes heartburn among people who are looking at it, like what are you doing to that part of the law we didn't say to do that, you know, what are you doing over there? So, it's okay, it's all right. Calm down. It's the first thought I have, also, when I see it. They didn't do anything at all to that section.

But just to refresh your memory, what this legislation does is it fixes the current Rad tech licensure laws, which were first enacted in 1978 and are over thirty years old. Current law only allows us to certify Rad techs in the three primary areas of radiologic technology, which is radiography, nuclear medicine, and therapy. It does not allow us to license anyone in any of the advanced, post-primary or specialty areas that have developed as medical technology has changed over the past 33 years. So, for example, we could not license someone to do PET. We could not give them a PET license, we could not give them a CT license

1 or any of the other array of advanced or post-
2 primary licenses.

3 So what this change to the law would do is
4 it would allow the Department to issue those
5 licenses in those advanced or post-primary areas,
6 and it would do it in a very special way. It
7 would do it only by endorsement of the person's
8 national registry credential. So, for example, if
9 you're with ARRT and you have a CT license from
10 ARRT and you wish to come to Florida and have a
11 Florida CT license you can get that by endorsement -
12 if this law passes or legislation passes -- you can
13 get that by endorsement from the Department and
14 have that reflected on your Florida license. So
15 it would be by endorsement only.

16 That does a couple of things. It saves the
17 taxpayers a lot of money and the Department a lot
18 of effort in trying to develop an examination for
19 licensure. It also saves the applicant the hassle
20 of trying to go through or having to go through a
21 separate State exam if they have already done that
22 for the national registry credential. So that's
23 why exams are specifically prohibited; it's only
24 by endorsement.

25 And let's see, what else -- let me look

1 through here.

2 The scope of practice and the title that's
3 used by the person in Florida. The Department has
4 the authority to write rules so that the title
5 would essentially match the combination of letters
6 that the person uses at the national level. For
7 example, if it's CT then we're going to call it CT
8 in Florida.

9 "The scope of practice would match or be
10 consistent with..." is the phraseology here,
11 "...would be consistent with the National
12 Registry's scope of practice...", so we would not,
13 you know, we're not going to give CT's the ability
14 to do PET or something like that. Whatever
15 they're doing nationally, whatever their scope of
16 practice that they have qualified for and passed
17 the test for, whatever it is nationally that's
18 what it would be in Florida.

19 The last thing about it is that we are not
20 requiring people to obtain advanced or post-
21 primary certifications if they do not wish them.
22 For example, if you're a radiographer in Florida
23 you're currently authorized in State law to do
24 anything with any kind of an x-ray machine unless
25 it's prohibited by federal law. So, for example,

1 mammos is a special case for that.

2 For example, if you're a radiographer in
3 Florida and you wanted to do CT, in fact, if you
4 have been doing it for twenty years and this law
5 passes you can still do it; you're not required to
6 come back to us or come back to the National
7 Registry and get a license in CT, okay. So nobody
8 is being eliminated from doing the thing they're
9 currently doing. I can't say that enough. That
10 question has come up many, many, many, many times
11 in this process.

12 DR. SCHENKMAN: So this is for people coming
13 from out of state more than --

14 MR. FUTCH: Out of state or if you are in
15 Florida and you are one of those radiographers who
16 has gotten the National Registry CT license and
17 you wish finally to have that reflected on your
18 Florida license, you can give that to us and apply
19 for endorsement, and we will put that on your
20 Florida license. In some ways, this makes it easier,
21 I think, after a number of years of having this
22 option available. I think it will make it a
23 little bit easier on the employers, also, because
24 I think people will naturally start to gravitate
25 to realize, oh, wait, I actually can put that on

1 my Florida license and maybe I'll even go get it
2 now at the national level, and the employers will
3 have more of what that person is qualified for
4 reflected on their state license, so they don't
5 have to look at all the different national
6 registries and see what smorgasbord of titles they
7 have out there.

8 Bill, did I leave anything out?

9 MR. PASSETTI: No.

10 MR. FUTCH: Janet?

11 MS. COOKSEY: No.

12 MR. PASSETTI: Any questions?

13 MR. FUTCH: Well, this is just the first
14 step. With the legislature going through
15 redistricting this year, they'll be meeting
16 basically two months earlier than normal. They'll
17 start in January and they'll be done, I think, by
18 the end of February or the very beginning of
19 March, one of the two. So the entire process
20 is backed up. Meetings that we would have had
21 downtown in committees to discuss this -- and I
22 don't think it's been assigned to any committees
23 yet the last I checked, but those meetings that
24 would normally have taken place sixty days later

1 are taking place sixty days earlier. So we'll be
2 very busy in November and December, I think.

3 Of course, the big thing is this has to
4 actually get heard and voted favorably out of
5 whatever committee it's in, and then of course be
6 voted favorably by both houses to become law.

7
8 DR. SCHENKMAN: Is there any discussion about
9 it potentially not passing?

10 MR. FUTCH: No. Kathy and some other folks
11 and I have had discussions with ASRT. They have
12 seen this language, they are supportive of it.
13 The Florida Society of Rad Techs, I've given
14 copies to the current president, Ginger Griffin.
15 She has responded favorably to it, also. I've
16 sent copies Duane and, in fact, if I forget,
17 Carol, we need to give him a copy of this as it's
18 written here. I think he's got the version we
19 submitted to the legislature. So we've given
20 copies to FNMT and they responded favorably to it,
21 to what they've seen, which is exactly what we
22 have here. So everyone who has seen it has
23 responded favorably.

24 The sponsors like this because it is fixing
25 archaic restrictions that basically are preventing

1 people from doing things that they want to do.
2 For example, those nuclear med techs who have gone
3 to the trouble of getting the full CT
4 certification from ASRT have been asking us for
5 years to be able to have that reflected so they
6 could do full CT in Florida and we had been unable
7 to; so the sponsors are very happy that they are
8 able to describe this as a fix to bring the law up
9 to date to modern technology and to assist in job
10 creation as much as possible.

11 DR. SCHENKMAN: I also like the fact that it
12 addresses any new technologies that may come up.

13 MS. DROTAR: So we don't have to ever do this
14 again.

15 MR. FUTCH: Right. You may remember back in
16 -- I think it was '04, we did that kind of partial
17 fix to the nuclear medicine techs to allow them to
18 do the limited CT if it wasn't a combination
19 PET/CT machine; and in retrospect it probably
20 would have been a good idea to do this back then
21 because, of course, technology keeps changing and
22 I don't know what they're going -- somebody told
23 me there's a positron emission mammography machine
24 which is not for, I guess, primary screening but
25 it's for once something is identified. One of the

1 facilities was having questions about -- well, you
2 know, it's a nuclear medicine procedure and they
3 want the nuclear medicine tech to do it, but most
4 of the people in their facility who have
5 experience with mammography from the x-ray -- was
6 it -- I don't think it was just you, Mark, I think
7 it was somebody else, too.

8 MR. SEDDON: Yes. It may as well. The
9 problem is that once you've injected the patient,
10 positioning the patient on -- it's mammography
11 positioning and the nuc med techs are not
12 experienced in doing that, so it was making better
13 sense to have a mammographer's support than the nuc
14 med tech in the actual positioning, but I think
15 the debate was is that considered doing the
16 procedure.

17 DR. SCHENKMAN: Who's doing the procedure
18 then?

19
20 MR. FUTCH: And one of the nice things about
21 this is if this passes, you know, those
22 radiographers who want to get involved in that
23 area, if they were to go to NMTCB and get that PET
24 certification, there would be no question at all
25 at that point, you know. You could still use them

1 just for positioning, but at least there would be
2 no question at all that they're doing some part of
3 nuclear medicine and should they or should they
4 not be. So that would help in that regard, too.

5 But, yeah, so this time around we put in
6 some general rule making authority for the
7 Department to be able to basically accept anything
8 that comes out of medical GE Siemens' brain in the
9 future.

10 MS. BONANNO: There is now a nuclear
11 medicine assistant position, it's a master's
12 degree.

13 A MEMBER: Really?

14 MS. BONANNO: Yeah. The first four people
15 just graduated, so I don't know if this will
16 include them.

17 MR. FUTCH: We'll have to wait and see how it
18 comes out. Is it NMTCB?

19 MS. BONANNO: Yes.

20 MR. FUTCH: Not ARRT, the --

21 MS. BONANNO: Well, they worked together on
22 the exam.

23 MR. FUTCH: We'd have to go and look at it
24 and see if it was something that's intended for --
25 something at the level of, like a Rad tech or a

1 nuclear med tech, or is it something at the level
2 like an RA?

3 MS. BONANNO: It's the same level as a PA.

4 MR. FUTCH: Oh, I'm not sure if it would in
5 that regard.

6 MS. BONANNO: It might be tacked onto the RA.

7

8 MR. FUTCH: Oh, please. The way ASRT and FRS
9 had the RA constructed, the RA is prohibited from
10 doing nuclear medicine, so I'm not sure if it
11 would work out over there.

12 MS. DYCUS: Unless there are already in
13 nuclear medicine.

14 MR. FUTCH: I'm sorry?

15 MS. DYCUS: Unless they're already licensed
16 in nuclear medicine.

17 MR. FUTCH: Oh, yes, unless they're already
18 in nuclear medicine.

19 MS. BONANNO: With what's her name in Fort
20 Lauderdale is a nuclear med tech and she's an RA.

21 MR. FUTCH: So that is the current
22 description of this and the legislative planning
23 folks in the Department were just overjoyed that
24 we were bringing this actual legislation to show
25 you, and when Bill gets here hopefully we can get

1 a vote of favorable support from the Council for
2 this because it makes it easier for them to go to
3 other legislators and say the Advisory Council on
4 Radiation Protection has seen this exact
5 legislation and have supported it and approves of
6 its passage, and so forth and so on.

7 MS. DROTAR: James, could you let us know
8 when it goes to committee so we could make some
9 contacts?

10 MR. FUTCH: Oh, sure. In fact, if you're
11 part of any facilities or individually or
12 societies that would like to write a letter of
13 support to, I guess, maybe Bill -- would that be
14 the best place that we would give it to
15 legislative planning people.

16 MR. PASSETTI: Yeah, that would be fine and
17 then we can get it to the right people.

18 MR. FUTCH: Or, you know, I guess I don't
19 want to be in the position of advocating for
20 letters to legislators, but -- I can't do that.
21 Wherever your heart may lead you.

22 So I guess when Bill gets here we'll maybe
23 come back and take a vote.

24 Any questions, comments about this? I'll
25 have to explain it all to Bill when he gets here.

26 Well, that's it, I think, on that topic.

1 DR. SCHENKMAN: Okay. We have proposed rule
2 revisions. Here we've got the RA duties.

3 MR. FUTCH: Yeah, first on the list is the RA
4 duties, which is --

5 DR. SCHENKMAN: In D1, and we have D1, D2 and
6 we have D3.

7 MR. FUTCH: Let me -- since it's a little
8 simpler, with your permission let me take the rule
9 amendment for the definition of approved program
10 first, and we'll have to repeat ourselves less
11 when Dr. Atherton returns gets here. So that's Tab

12 Tab D2. You may remember this issue; this
13 is one that I think we brought to you before and
14 you asked that we come back with some specific
15 language. But this issue is sometime a year or
16 two ago -- Betsey and Gail, refresh if me I'm
17 saying the wrong date -- we were very surprised as
18 a department to learn -- we had an applicant apply
19 to us who was a nuclear medicine tech it was a
20 nuclear medicine technologist applicant and one of
21 Betsey and Gail's application reviewers was very
22 fortunately caught a kind of quirk in the person's
23 educational history. This person was a
24 radiographer already, licensed by the State, and
25 had an NMTCB license, and did not have a diploma

1 from a nuclear medicine technology school,
2 although this person was someone who had just
3 recently taken the licensure exam. So you would
4 have expected them to be a recent graduate.

5 Come to find out after a long, drawn out
6 process of lawyer back and forth and discovery and
7 et cetera, et cetera, they had qualified through a
8 process that NMTCB calls alternative eligibility,
9 which is a pathway where you have to complete, I
10 think it's 8,000 hours of quote, nuclear medicine
11 experience in a four year period, and then also
12 complete a 45 clock hour class in certain nuclear
13 medicine topics before being able to sit for the
14 NMTCB exam. This person had done that and had
15 passed the examination, and come to find out their
16 8,000 hours of nuclear medicine experience
17 included never once having administered radio
18 pharmaceuticals to a patient during that clinical
19 experience. So we basically would not certify the
20 person because they did not meet the definition of
21 an approved program, which you have in front of
22 you actually at the top of the page here on Tab
23 D2. This is 64E-3.002 Definitions Current.
24 This is the current definition of an approved
25 educational and training program.

1 The means of program -- underline that word
2 "program", which is recognized and accepted by
3 ARRT or NMTCB, and fortunately for us NMTCB
4 actually has a programmatic pathway for
5 certification with identified programs with names of
6 schools and addresses and stuff like that up on
7 their website, and then this other thing which is
8 alternative eligibility. And I'm not trying to
9 knock NMTCB. When we talked to them about this,
10 they mentioned that it was only going to be in effect
11 for another few years. I think 2015 they repealed
12 alternative eligibility so you can't qualify through
13 that pathway anymore.

14 And we said, you know, how did this person's
15 nuclear medicine experience make it through your
16 process and qualify because most people that
17 I've talked to, especially nuclear medicine techs,
18 that kind of boggles the mind that somebody would
19 have a clinical which does not involve the
20 administration of radio pharmaceuticals at some
21 point during their -- I mean, that's the whole
22 point, right? You get to the point where you're
23 educated so you can start doing this. Somebody
24 watches you do it and makes sure you do it right.
25 And the response was something along the lines of

1 there is a such a wide variety of what can
2 constitute nuclear medicine experience, we've
3 never been able to define it more than to just say
4 nuclear medicine. In this person's case, we
5 believe what happened through discovery looking
6 at some of the documents that they just send like
7 an affidavit to the supervisor of the person, and
8 sometimes it ends up like the personnel, human
9 resource liaison, and they have a checkbox.
10 Basically, you tell them the dates of when they
11 started and when they ended, how many hours per
12 week they worked, and the checked box is like
13 nuclear medicine or some other topic, and that's
14 it.

15 So in response to that -- now we still think
16 our current rule is fine. It does the job. It
17 does say a program, and we do not consider
18 alternative eligibility to be a program; we didn't
19 have to prove this in a court of law. But if you
20 go to NMTCB's website you can clearly see a
21 distinction even on two separate applications --
22 here's one for people who go the program route,
23 here's one for people who go through the
24 alternative eligibility route, and they never,
25 ever call alternative eligibility a program. But

1 the attorneys thought that it might be wise for
2 the future if we go back and revisit the
3 definition and perhaps add some additional
4 clarification so that it's even more apparent that
5 what we're talking about is not alternative
6 eligibility.

7 My first thought was to go to the definition
8 and say this does not include alternative
9 eligibility.

10 DR. SCHENKMAN: But then they'll come up with
11 something else, right?

12 MR. FUTCH: Yeah, so we were trying -- rather
13 than writing it that way, we were trying -- we
14 came up with these other alternatives down here,
15 which are on the rest of the page we're looking at
16 which again is Section D2. So we have two
17 proposed additions and changes to the current
18 definition, which are there and underlined.

19 So the first one basically is the existing
20 definition plus an additional statement, which
21 says the name, address, program director, and
22 other contact information for such a program is
23 actually listed on their website of ARRT or the
24 website of NMTCB. Then the other method of doing
25 it is to -- which requires a little more work --

1 is to separate out nuclear medicine program from
2 everything else and say, basically, approved
3 program for radiography or therapy is one which is
4 recognized by ARRT, and then for nuclear
5 medicine say it is one which is recognized by both
6 ARRT and NMTCB because ARRT doesn't have this
7 alternative eligibility pathway.

8 They use the same -- for actual programs,
9 they use the same, as far as we can tell,
10 accreditation requirements. So at least inside
11 the US if you want to be considered an approved
12 program by either group, you have to -- the Joint
13 Review Committee on Education in Nuclear Medicine
14 Technology is accepted by both groups, and then
15 SACS accreditation for institutional programs like
16 Florida State or, you know, big schools that don't
17 have -- that are not solely programs. The whole
18 school is not the program.

19 Now, folks besides me know a lot more about
20 nuclear medicine, hint-hint, I don't mean to put
21 you on the spot, Carol or Kathy; I was kind of
22 hoping to have Dr. Janowitz here and also Alberto
23 because his background is in this, also.

24 What do you think? Are we going to shoot
25 ourselves in the foot with this or was this

1 actually helpful? Which one is more helpful?

2 MS. DROTAR: Question before we get to that.
3 If we're going -- if specialized certification
4 comes in, where is that going to fit in with
5 these?

6 MS. DYCUS: They should be included -- those
7 as post-primary concept.

8 MS. BONANNO: Yes, post primary
9 programs necessarily.

10 MR. FUTCH: Right. Well, my thought on that
11 was we're essentially saying whatever an approved
12 program is whatever ARRT or NMTCB --

13 MS. BONANNO: Accept.

14 MR. FUTCH: -- accept it to be. So I don't
15 think we're going to hurt ourselves with -- well,
16 actually, the way the specialty technologists
17 educational --

18 MS. BONANNO: Their requirements are left up
19 to the two boards who do the certifying, and we're
20 saying if the two boards certify them we're
21 accepting them for the post-primary.

22 MR. FUTCH: So my short answer to your
23 question is I don't think this affects that, but
24 thank you for bringing it up and I'll keep that in
25 the back of my mind as we move through this.

1 MS. DROTAR: Well, in case something gets
2 changed along the way, then it might fall --

3 MR. FUTCH: Yeah, I never thought I'd have to
4 change this program definition again once I --

5 MS. BONANNO: Well, you wouldn't if it were
6 before 2016.

7 MR. FUTCH: Yeah, if it were 2016 or whatever
8 -- I think it's 2015. Once 2015 is gone with this
9 definition is 100 percent fine. I'll still say to
10 this day if somebody asks me, I think the current
11 definition meets the requirement of a program. I
12 mean, what else can I say? I have to go say this
13 in a hearing in a court of law.

14 MS. BONANNO: Just out of curiosity, what
15 happened to this person?

16 MR. FUTCH: They eventually gave up fighting
17 and withdrew, so we didn't actually have --

18 MS. BONANNO: They wanted to go to Georgia, I
19 think.

20 MR. FUTCH: Actually, they were very close to
21 Alabama to begin with. Maybe that's what
22 happened.

23 DR. SCHENKMAN: That program -- not program,
24 the alternative --

25 MR. FUTCH: Eligibility.

1 DR. SCHENKMAN: -- eligibility is approved
2 by NMTCB.

3 MR. FUTCH: But it doesn't have -- which one
4 are you looking at? The middle one or the bottom
5 one?

6 DR. SCHENKMAN: The middle one, so even --

7 MR. FUTCH: But it doesn't have a name or a
8 program director or an address. It's not a
9 school.

10 MR. PASSETTI: Could they just move it on
11 the website under 'Program'?

12 MR. FUTCH: If they did they would have to
13 come up with an actual name of a school, an
14 address, and a program director, and that whole
15 thing.

16 DR. SCHENKMAN: They can't just put whoever,
17 if they have one or two people that are running
18 that alternative group? They can't just put them
19 on and say that's who they are and they're working
20 under them? I'm just --

21 MR. FUTCH: They could do -- I mean,
22 theoretically, they could do what you're saying.

23 DR. SCHENKMAN: I'm looking at how they'll
24 get around it --

25 MR. FUTCH: I don't think they want to.

1 DR. SCHENKMAN: -- if they need to.

2 MS. DROTAR: To be approved by ARRT, you have
3 to submit a letter and signed and you have to send
4 in your accreditation and everything else.

5 MR. FUTCH: But the question was about NMTCB,
6 though, because they're the ones who have the
7 alternative eligibility.

8 DR. SCHENKMAN: I think the second one would
9 be more specific.

10 MR. FUTCH: Right, I think we could have
11 brought, if we could have compelled them to do it,
12 but we could have brought the director of NMTCB
13 down to Florida to testify in that case and they
14 would have been forced to say this is the program
15 pathway, this is the alternative eligibility
16 pathway. I mean, it's really -- I don't think
17 that they're trying to say that alternative
18 eligibility is a program in that regard; they're
19 saying -- well, I don't want to put words in their
20 mouth, especially on tape.

21 MS. DYCUS: It's a grandfathering thing.

22 MR. FUTCH: Yeah, it's a grandfathering thing
23 and none of us really understand --

24 MS. BONANNO: Yeah, people are already like
25 two years into it and you can't tell them, I'm

1 sorry, you can't do it, and you wasted two years
2 of your career.

3 MR. FUTCH: They're acknowledging on their
4 website that they're getting rid of it in 2015. I
5 mean, it's got an end to it coming up soon. The
6 only part I don't understand is why they still did
7 it for so long.

8 MS. BONANNO: I don't know. They were
9 supposed to do away with it three or four years
10 ago, and that's why I was shocked when they
11 extended it.

12 MS. HINES: We actually had a second
13 applicant that we denied.

14 MR. FUTCH: Oh, did you? Thank you for
15 keeping me out of that one.

16 DR. SCHENKMAN: Do these exclude anybody who
17 should be included? Or is there anything in the
18 language here that excludes anybody?

19 MR. FUTCH: Well, that's the hundred thousand
20 dollar question. The key to the bottom definition
21 is it says "and" between ARRT and NMTCB instead of
22 "or".

23 DR. SCHENKMAN: Okay.

24 MR. FUTCH: So it has to be a program which
25 both groups recognize. Actually, if I'm going to

1 say that I could just say ARRT and just forget
2 about NMTCB, but then that causes a lot of
3 eyebrows to get raised and that kind of stuff,
4 too. So if someone could think of a shorter way
5 of distinguishing a real school -- I mean, you ask
6 somebody this and they say, well, I know what a
7 school is. You know, I --

8 MS. BONANNO: It's a director with a desk
9 someplace.

10 MR. FUTCH: Yeah, it enrolls students, it has
11 financial aide -- well, actually, hospital-based
12 programs don't. That's the other thing. We have
13 to be careful not to exclude the hospital-based
14 programs that are still out there in Florida
15 because they don't grant -- at first they said he
16 has to graduate, you know, get a diploma, but they
17 don't really give you a diploma. You get a
18 certificate.

19 MS. BONANNO: You wouldn't want to exclude
20 the University of Miami.

21 MR. FUTCH: One of the easier things to do is
22 to go back and say, well, it's accredited by --
23 and then you're back into the whole thing of why
24 are you even saying recognizing except by ARRT, if
25 you're going to go specify the accreditation
26 mechanisms, which change with the -- eventually.

1 The national registries pick different
2 accreditations that are okay even outside of the
3 US, you know, the Canadian this and Australian
4 that and so forth. I'm not saying either one of
5 these is the best thing I've ever written or that
6 Janet could correct after, right?

7 But I'm open to suggestions as to how to fix
8 this or come up with something completely
9 different or if not, if you like either one or
10 neither one, let me know.

11 MS. DROTAR: James, just another question.
12 Because ARRT have advanced placement standing but
13 the student actually has to re-graduate from the
14 program, so that's training for an educational
15 program, right?

16 MR. FUTCH: If it meets the requirements for
17 ARRT's program, yeah.

18 Well, don't everybody speak up at once.

19 DR. SCHENKMAN: Well, I think it would be a
20 lot harder to get around the second one, the
21 second proposal.

22 MR. FUTCH: The one on the bottom of the
23 page?

24 DR. SCHENKMAN: Yeah.

25 MR. FUTCH: Okay.

1 DR. SCHENKMAN: I think that people could
2 just put, you know, whoever they're shadowing that
3 person will just put their name --

4 MR. FUTCH: We could actually do both of
5 these. I mean, change the definition as on the
6 bottom then stick the extra statement in there.

7 DR. SCHENKMAN: Would that make it easier for
8 you when you're checking?

9 MR. FUTCH: I should ask --

10 DR. SCHENKMAN: That's right, yeah.

11 MS. HINES: We have to gather all that
12 information. But if they give you a certificate
13 that has the name, the address, and everything on
14 it --

15 MS. CURRY: Which they do.

16 MS. HINES: We would have to change the
17 requirement of what the schools are giving to the
18 students so that if it was acceptable under this
19 rule because right now we would get a certificate
20 that says Keiser University, Orlando, such-and-
21 such a date, nuclear medical technology. I mean,
22 we don't have program director, the address. All
23 that stuff is not on the certificate or diploma
24 necessarily.

25 DR. SCHENKMAN: But it is on the letter. I

1 mean, but that is a choice whether you send a
2 letter or whether you do a certificate or a
3 diploma.

4 COUNCIL MEMBERS: (Over-speaking.)

5 MS. HINES: We also license EMT's and
6 paramedics, so we're really busy with four
7 processors for the whole state. So the easier you
8 can make our process --

9 MR. FUTCH: Yeah, actually the next page
10 talks a little more, Betsey, about what has to
11 come to you. I want you to talk about that as
12 soon as we finish talking about this one.

13 MS. HINES: Okay, well if I can interject one
14 second; something that we are working on in like
15 the next phase technology-wise, God forbid any more
16 laws get passed before we get to it; for our
17 online applications which really, truly are
18 faster, we are working on a bid -- we already have
19 it so that schools can be other payers and go in.
20 So if Keiser, for example collects the application
21 fee from their students near the end or whenever,
22 then all the students can go on our site, apply
23 for certification, and then they can put in
24 Keiser's 1-2-3-4-5 number, and then Keiser can go
25 in, affirm yes, they are our students, and pay for

1 them.

2 What we're working on next after that is
3 that while Keiser's in there or any other school
4 in Florida, they can go in and say this student in
5 fact did graduate as a GR and this student, in
6 fact, has taken a 4-hour HIV-AIDS course, which
7 means we don't have to collect that documentation
8 which right now is ridiculous. You have to get a
9 piece of paper in, a lot of times by e-mail, we
10 print it out, we put a scan sheet on it, enter it
11 into our system, and then it goes to paper again.
12 You know, so that will save a lot of work on our
13 side and a lot of paper exchanges from schools to
14 us.

15 MS. CURRY: It would just be on the front
16 end. Kelly would have to approve the schools and
17 get it in the system, which that --

18 MS. HINES: No, no, I don't think so.

19 MS. CURRY: Yes, she does. Somebody has to
20 approve the schools in that. Kelly verifies that
21 the schools are accredited and the schools for
22 certification, correct?

23 MR. FUTCH: The school that approved this or
24 the HIV-AIDS thing, okay.

25 MS. HINES: Well, they don't have to be in

1 the COMPAS system it's a totally other system.

2

3

4

We haven't all been trained in it, so we'll figure it out before we offer it to the public.

5

6

7

8

MR. FUTCH: Let's see if we can get some guidance on the actual definition of the program. Then we can talk about where to find lists of them.

9

10

11

So Randy has a preference for the one on the bottom, but you're not opposed to adding the other one to it?

12

DR. SCHENKMAN: No.

13

14

MR. FUTCH: In addition to that one. Any other --

15

16

DR. SCHENKMAN: Just so long as it doesn't make it so much more work for you guys.

17

18

MR. FUTCH: Yeah. Any other thoughts in that regard? Anybody?

19

20

21

22

MR. SEDDON: That makes sense. I mean, basically you have a second line that you add -- the second one onto the second definition there at the bottom. That way you're encompassing both.

23

DR. SCHENKMAN: There you go.

24

25

MR. SEDDON: As long as we're confirming that we're not excluding anyone, then --

1 MR. FUTCH: Except for the people who have
2 never actually touched radio pharmaceuticals.

3 I don't want to cast aspersions on everyone
4 who has gone through alternative eligibility.
5 There may be perfectly fine folks out there who
6 actually did, you know --

7 MR. PASSETTI: Or they did and they didn't
8 want to tell you that they did --

9 MR. FUTCH: The problem is and NMTCB is --
10 the way they're handling this alternative
11 eligibility, they're not requiring -- and this is
12 my opinion, right, not the Department's, but
13 they're just not requiring enough proof of the
14 clinical education that something like this can
15 slip through.

16 So I'd like to get a vote on that.

17 Do you want to get one now and if Bill comes
18 we'll just reaffirm it, hopefully, unless he
19 disagrees?

20 MR. PASSETTI: Well, we've held off on all
21 the other votes. We may as well hold off on this
22 one.

23 MR. FUTCH: As we leave this topic -- what
24 I'm hearing basically, exactly what Mark said
25 which is go for the second one and add the first

1 to it. Everybody's nodding their heads. So when
2 Dr. Atherton gets here, we'll see if we can take a
3 vote on that.

4 The next page is basically -- the page we
5 just left is the definition of what an approved
6 program is. On this page, which at the top it
7 says Qualifications for Exam, this is what we
8 collect so this has a little more bearing on what
9 Betsey and Gail were talking about before.

10 I was going through this and realized it
11 seems like there was a few things missing from
12 what we're collecting. The first one is that
13 right now the applicant has to have, of course,
14 graduated from one of the programs we defined on
15 the previous page, and verification of that
16 graduation is described as a legible copy of an
17 official transcript or a copy of the diploma must
18 be provided with the application, or electronic.
19 It doesn't mean on paper. It could be electronic,
20 however it is you want to get it.

21 One of the things that I think folks had
22 asked for was on the transcript that it not only
23 have the courses successfully completed but
24 actually grade achieved. So that's something I
25 threw in. We had talked about that at some point

1 in the past.

2 DR. SCHENKMAN: That's misspelled, "I before
3 E".

4 MR. FUTCH: Right. Reminder to Futch, spell
5 check.

6 DR. SCHENKMAN: Sorry.

7 MR. FUTCH: No, that's okay. Then down below
8 I was thinking about it, and this next line, a
9 letter from the program director attesting the
10 applicant's successful completion of all program
11 requirements and should be accepted, that was
12 written for the people who have just graduated
13 from their programs. This was originally when it
14 was written for, just graduated from their
15 programs, they've already got their application
16 with the Department. They want to take the test
17 on the same day that they graduate and this is how
18 we used to do it. I don't know if we still do it
19 or not, but the program director basically sends a
20 letter for everybody and says, you know, I'm the
21 program director for this program, this person has
22 successfully completed everything and graduated
23 today, and go forth and they can be examined.

24 Then I got to thinking about in terms of
25 alternative eligibility thing, which the person

1 who applied to it could have very easily done the
2 same thing. They could have written a letter from
3 the person they were calling their program
4 director, which would have been probably the
5 clinical doctor who educated them illegally some
6 place in Florida. So I was trying to tailor this
7 more toward a real program, as opposed to making
8 it look like it was something that someone through
9 alternative eligibility could comply with, if they
10 wanted to. So that was the reason that I put the
11 rest of this in here.

12 I changed the "will" to "may", so it's back
13 to the Department's discretion. Of course,
14 there's no reason why we would not approve
15 somebody who came from a legitimate program and
16 whose program director supplied the letter to us.
17 Then the rest of this is in here because whenever
18 we say we are going to do something at our
19 discretion, we usually have to give the attorney
20 some explanation -- it's not the attorneys, but
21 the Joint Administrative Procedures Committee who
22 reviews what we do in rule tells us that we have
23 to give some kind of guidance to the applicant.
24 So what this is doing is saying if the applicant
25 can show good cause to the Department that, for

1 example, they could not produce their diploma or
2 their transcript -- not that they never had one,
3 but it was 50 years ago and it died in a fire some
4 place with the rest of the school records; or I
5 just graduated and I haven't got my diploma yet
6 and here's my letter from my program director.
7 That's what this is intended for. So it's just
8 trying to tighten it up with regard toward the
9 proof that's coming to us to further distinguish
10 the proof that would come from somebody who went
11 to a real program from the proof that would come
12 from somebody who didn't go to a real program.
13 All right.

14 So, Betsey, Gail, anyone?

15 MS. DROTAR: Can you clarify that is just
16 going to be for people that are taking the Florida
17 state exam or is it for everybody that's making an
18 application?

19 MR. FUTCH: Well, for the purposes of --
20 let's see, let's back up for a second.

21 MR. PASSETTI: It's under the examination
22 section, so --

23 MR. FUTCH: It's qualifications for exam.

24 MS. DROTAR: For the state exam, it wouldn't
25 be -- okay. Thanks.

1 The only problem that I might see is if it
2 was somebody who was coming from, like the school,
3 like Keiser, that graduated from the program and
4 only wanted to take the Florida exam. They might
5 not be able to get their official transcript
6 because of finances, etc., and if there's not a
7 diploma not until graduation because then the
8 letter from the program director says that those
9 things can no longer be obtained, and it's not
10 that they can't be obtained but there would be a
11 delay in it which would delay them taking an exam.

12 MR. FUTCH: So they can take out "no longer"
13 cannot be obtained. Just leave it at that. Yeah.

14 DR. SCHENKMAN: Is not available.

15 MS. DROTAR: Yeah, or can't be obtained, or
16 something.

17 MR. FUTCH: Okay.

18 DR. SCHENKMAN: Is not available at the time
19 of the application.

20 MR. FUTCH: Mm-hmm. Any other comments,
21 thoughts, revisions?

22 MS. HINES: I'm wondering if this can be
23 adapted so the electronic verifications can be
24 part of it.

25 MR. FUTCH: Yeah, if you have something

1 electronic-wise, you want me to put in a statement
2 that says electronic submissions of -- electronic
3 representations of the above paper documents will
4 also be accepted.

5 MS. HINES: Because that is in the works.

6 MR. FUTCH: Right. Okay. Well, that's it
7 for that one.

8 DR. SCHENKMAN: Do we want to talk about one
9 or two?

10 MR. FUTCH: I guess we'll back up to one now.

11 DR. SCHENKMAN: Okay.

12 MR. FUTCH: We can talk about that one. All
13 right. So Tab D1, Radiologist Assistant Duties
14 and Supervision.

15 As you may recall, a number of years ago the
16 radiologist assistant was added to the licensure
17 types in Florida. This is actually 2006, I think.
18 And the radiologist assistant I think of is kind
19 of like a physician assistant light, can't write
20 prescriptions for medications and do other things,
21 diagnose diseases. Basically, the RA is -- well,
22 Patti is one. I should let you explain what the
23 RA is.

24 MS. DYCUS: I guess whatever they want it to
25 be.

1 MR. FUTCH: Well, it's a physician extender
2 and exists, I think, so that the radiologist --
3 has to work for a radiologist. The radiologist
4 doesn't have to do all of the especially
5 fluoroscopically guided procedures. The RA is a
6 person who is educated at the -- what we call it?
7 Is it a master's level?

8 MS. DYCUS: Well, there's Master's available.
9 They're moving it to all Master's.

10 MR. FUTCH: So take a look at Tab D1, not the
11 first page but the second page that says Statute
12 and Constitution. This is where we get the
13 authority to write rules.

14 In fact, it says:

15 "A person holding a certificate as an RA may
16 perform specific duties allowed for an RA as
17 defined by the Department by rule. The rule must
18 be consistent with the guidelines adopted by three
19 organizations: the American College of Radiology,
20 American Society of Radiology Techs, and the
21 American Registry of Radiology Techs with the
22 level of supervision required by such guidelines."

23 Then the next part of it is the
24 prohibitions. They can't do nuclear medicine or
25 radiation therapy unless they are a currently

1 licensed nuclear medicine tech or a radiation
2 therapy tech. They can't interpret images. Very
3 important point that the Florida Radiological
4 Society wanted to make sure that was in there.

5 DR. SCHENKMAN: And ACR.

6 MR. FUTCH: And ACR and everybody. Cannot
7 make diagnoses and cannot prescribe medications or
8 therapies.

9 So in 2007 right after this passed, if you
10 back up a page, we adopted this current rule
11 language which does several different things. In
12 the beginning what it does is it adopted a
13 document that ARRT and ACR and ASRT had, I guess,
14 all agreed to back in '05, which the ARRT called
15 the Radiologist Assistant Role Delineation. That
16 document is also included in your packet; and in
17 fact, if you turn ahead let's see how many pages -
18 - three, four, five, six, seven pages in. I think
19 it's the eighth page, the first stapled section of
20 papers in this tab. That's the Radiology
21 Assistant's Role Delineation January 2005. I went
22 one page too many.

23 This document if you tab through these three
24 or four pages here, you can see it actually has a
25 numbered listing of clinical activities with the

1 level of supervision specified out next to each
2 one. So that is what the rule we were just
3 looking at in 2007 adopted.

4 And it made some caveats which is back on
5 the rule, if you look at 1A, B, C, D, and E; it
6 makes reference to specific number of clinical
7 activities on this list that we were just looking
8 at, and it qualifies them in some way, shape, or
9 form. Basically, we had to qualify some of them
10 so they would comply with the statute. And, of
11 course, you never really have to do that in a rule
12 because the rule can't supersede the statute, the
13 statute always supersedes; but we did it so that
14 the radiology assistant reading this would
15 understand which parts of this thing might
16 conflict with the statute. So we highlighted
17 those for them.

18 Then the second part of the rule, paragraph
19 two, this is how we come to find out who the
20 supervising radiologist is and what the
21 relationship is between the RA and their
22 supervising radiologist; and it's just a
23 requirement that within 30 days there's a document
24 that comes to us that has the name of both people,
25 the license number of both people, and signatures

1 and when the supervisor relationship began. That
2 goes to the Department. So the rule accomplishes
3 two things. It actually adopts what the duties are
4 and the levels of supervision, then it also has
5 that bottom part about letting the Department know
6 who your supervisor is if you're the RA.

7 All right. So fast forward a little bit and
8 now the document we were looking at, the
9 radiologist assistant rule delineation January
10 2005 no longer exists. I mean, it exists in
11 Florida law because we adopted it by reference,
12 but what's happened since then is the next
13 document which is the registered radiology
14 assistant entry level clinical activities
15 effective January 2011, affectionately known as
16 the ELCA, yes, the ELCA, entry level clinical
17 activities list. This document serves the same
18 purpose for ARRT, I guess, that the other one did
19 which is ARRT did a task analysis and they build
20 their exam based upon what the practicing folks in
21 the field say that they're doing in terms of
22 procedures. That's really what this document does
23 for ARRT.

24 So there are some differences between the
25 old delineation and the new ELCA. One of them is

1 it clearly states that the ELCA is for entry level
2 radiologist assistants, and it also -- you'll
3 notice if you flip through it, it doesn't have a
4 varying level of supervision for all of the
5 individual tasks; and I apologize for all the
6 scribbling on the pages. I started out thinking
7 that I was going to try and track the changes from
8 one to the changes in the other one, and I got
9 lost after about the first page-and-a-half of
10 that. There are some tasks that they pulled out
11 entirely. There are new tasks in the new one.
12 Most of it is they just changed and combined two
13 or three of the tasks and the old one changed the
14 wording around and the new one, so there's almost
15 no way to actually track it explicitly from one
16 document to the next.

17 But the big thing about the ELCA is that it
18 does not have a varying level of -- it actually
19 doesn't even specify a level of supervision out to
20 the side like the old document did. The old
21 document said general, direct, personal, et
22 cetera. The new one just has a statement which is
23 on -- if you're going from the front page of the
24 ELCA document, if you turn over to -- it's page
25 three there on the right-hand side. It says

1 somewhere near where I've underlined that ARRT
2 test development and educational requirements for
3 certification assume that the level of supervision
4 for entry level RRAs, they call it -- they stick
5 an extra 'R' in there -- will be at the direct
6 level for clinical procedures.

7 So they assume at least the clinical
8 procedures in this list are at the direct level
9 kind of for the guy who just got his license and
10 just started work. Then they go to some trouble
11 to say a little bit later down that the actual
12 level of radiologist supervision will depend upon
13 the RA's experience, as well as state and employer
14 requirements. So they're kind of saying you might
15 start out at direct, but then you can go
16 otherwise.

17 So here's the issue for me. I've got a
18 statute that says I have to adopt specific duties
19 that all three organizations have agreed to with a
20 level of supervision required by those duties,
21 required by those guidelines. There is a little
22 more to this. I talked to ASRT. ASRT has a
23 practice standard. I don't want to confuse you
24 further, but this is probably going to do that.
25 The practice standard which is the next paper

1 clipped set of pages after the ELCA is many, many,
2 many pages long. It is written in a much
3 different fashion, a lot more generic fashion, and
4 it has more levels of supervision recommended in
5 it at all. The standards, and we've only -- I
6 think we produced about half of this for you. All
7 of the even numbered pages are missing because we
8 were trying to conserve space and not -- no,
9 actually, we forgot the even numbered pages, but
10 we have a complete document up here. But it's
11 okay because we're not going through that one page
12 by page because we would be here for a week.

13 But suffice it to say if you look at the
14 format on each one of the pages of the ASRT
15 practice standard, like, for example, their page
16 RA 9, it starts out at the top. It has a section
17 of clinical standards then it goes to quality
18 standards then it goes to professional standards.
19 Each one of those has a standard list at the top,
20 like this one says standard 3, Patient
21 Education. It has a rationale, has a general
22 stipulation where it kind of describes what the RA
23 is supposed to do at patient education. Then it
24 has a general criteria and then a specific
25 criteria. Now when you get down to the bottom to

1 the specific criteria, that's the kind of thing
2 that was listed previously in the role delineation
3 and is currently listed in the ELCA but not nearly
4 as many and in a much more generic fashion.

5 So here's the question. I've got RA's
6 calling me, one of 30 in particular who comes to
7 mind, whose facility really wants her to be able
8 to do something like lumbar punctures which
9 currently under the existing rule and existing
10 2005 role delineation requires personal
11 supervision. 'Personal' means at the elbow, in
12 the room, at the same time. Well, none of the
13 radiologists in her facility now that she's not an
14 entry level person anymore, they understand she
15 can do these procedures; they want to be doing it
16 at direct level supervision which requires them to
17 be in the building while she's doing it. But our
18 role delineation currently says what the old one
19 said which is personal.

20 MS. DYCUS: The role delineations were taken
21 based on CMS guidelines for reimbursement. When
22 everybody figured out that that was not going to
23 fly or easy to change because we petitioned CMS to
24 change those guidelines; they can't change those
25 guidelines without an amendment to the Social

1 Security Act, a congressional amendment. So those
2 guidelines, supervision levels were not designed
3 because of competence or the need in the field.
4 They were designed from CMS thinking that at
5 sometime when we changed CMS they would just
6 change right down the line for everybody. That's
7 not going to be the case.

8 The issue regardless of what supervision
9 levels we set in real practice, you're limited by
10 what CMS will reimburse regardless of competence
11 or what we set.

12 MR. PASSETTI: So why would people want to
13 change the supervision when if they did it that
14 way they're not going to get reimbursed for it,
15 right?

16 MS. DYCUS: Correct, but we're in the process
17 and there's been a bill submitted at the federal
18 level to change that.

19 MR. FUTCH: So the national societies are
20 trying to get CMS to change its guidelines to
21 reflect what?

22 MS. DYCUS: To reflect general supervision.
23 For a radiologist assistant to be effective or to
24 be helpful to a practice they have to be able to
25 practice somewhat independently from the

1 radiologist. I mean, with supervision but not
2 hands on. He has to be -- he/she has to be able
3 to read while you're doing procedures, and so
4 regardless of what's set out by state law or
5 what's set out through the ASRT or the ARRT, we're
6 still bound by CMS in the end.

7 MR. FUTCH: Let me read something that Kathy
8 just -- it says, "Radiologist Assistant" Bill
9 introduced in House amending the Social Security
10 Act to recognize RA state laws and allow Medicare
11 reimbursement September 22, 2011. Today
12 Representative Dave Reichert, Jim Mathison, Pete
13 Olsen, and Bill Pasquel introduced HR 3032, the
14 Medicare Access to Radiology Care Act of 2011.
15 This bill would require Medicare program to
16 recognize radiologist assistants as non-physician
17 providers of health care facilities to Medicare
18 beneficiaries. Then it goes into a long
19 description of what they are and what they can do.
20 So basically they tried to just change the levels,
21 but they couldn't do that because they still
22 viewed them as like a technologist?

23 MS. DYCUS: Correct. That meant that they
24 would change it for all RT's because RA's weren't
25 recognized. But they went in there and messed

1 with those levels that would allow RT's, RA's --
2 and would be non-discriminatory.

3 MR. FUTCH: Let me ask you -- and I apologize
4 if you said this already -- once this happens, and
5 I'm assuming it does happen, CMS guidelines are
6 going to have a different category for RA than RT,
7 and is it going to say everything's general
8 supervision?

9 MS. DYCUS: No. What it's doing, what this
10 bill is really doing is just giving us a category
11 as an RA and then they will go through that or
12 we'll petition different exams to be different
13 levels, and there will probably be much discussion
14 over that. But it's similar to the PA's and then
15 whatever the RA does will be reimbursed at like 85
16 percent, I think.

17 MR. FUTCH: What physicians are reimbursed
18 at, right?

19 MS. DYCUS: Yes. It gives us a category.

20 MR. FUTCH: One more document to throw at you
21 here. I had some discussions with Christine Lung,
22 the government relations person at ASRT out
23 in New Mexico about this topic. In fact,
24 everything you just heard me go through here I
25 just went through with her. She submitted a

1 letter to us if you back up in the same Tab D1,
2 you'll see a letter from ASRT dated October 10th.
3 It's right after the statute. This is what
4 Christine in the ASRT recommended that we do and
5 I'll save you the trouble. The first part of this
6 is just a general description of how all three
7 societies are in agreement on this and she
8 excerpts some of the pieces from that ASRT
9 practice standard that we just left, and she
10 started out at the bottom of her letter several
11 paragraphs all the way through the bottom almost
12 to page two, she describes in paragraph form
13 basically what a radiologist assistant is and what
14 they do and so forth and so on.

15 Then she gives her recommended actual rule
16 revision starting on the bottom of page two of her
17 letter, 64E-3.0032, and essentially what she's
18 done is she struck through everything where we
19 refer to the role delineation and the specific
20 activities and substituted basically that the
21 duties shall be delegated by the supervising
22 radiologist and that there must be a written
23 agreement between the radiologist and the
24 radiologist assistant that describes the duties
25 and the supervision levels, written and signed.

1 Now further on she actually asks that this
2 document be submitted to the Department. Watch
3 Betsey and Gail jump out of their chairs.

4 MS. HINES: We don't have anything to do with
5 that.

6 MR. FUTCH: Well, you do with the document
7 that says who is the supervisor.

8 MS. HINES: Right.

9 MR. FUTCH: But this down here she's actually
10 asking for the signed delegation agreement that
11 has the specific duties and the limits of
12 supervision for each procedure to be sent to you
13 by the doctor.

14 MS. CURRY: Okay, that would just be added to
15 what they sent to --

16 MS. HINES: I don't know whether we can put,
17 I mean, does the community want that delineation
18 acceptable online? That's the question.

19 MR. FUTCH: Well, all the radiologists I
20 know, and I'm not sure they would want to do that,
21 but I don't want to speak for radiologists when
22 there's one in the room.

23 DR. SCHENKMAN: I would highly doubt that
24 they would want to do that.

25 I also think that there's a problem with

1 this because if you have somebody who just comes
2 to you and you don't really know how good they are
3 at what they're doing and especially how good they
4 are with their hands or their image
5 interpretation, 30 days may not be enough to
6 figure out exactly what you're comfortable
7 allowing them to do. So they're going to write
8 something that's going to be a lot more limited
9 and then every time they change it, they're going
10 to have to re-submit what they're going to be
11 allowing this person to do as they gain confidence
12 in the person or lose confidence in the person.

13 MS. DYCUS: And, also, you're working for a
14 group of radiologists with each one having
15 different thresholds of what they'll let you do
16 and not do. So it's very difficult to do it that
17 way. There are things that --

18 DR. SCHENKMAN: But I don't think that this
19 is very practical at all.

20 MR. FUTCH: Okay.

21 MS. DROTAR: Is there like a training record
22 or procedures that you've done that you could say
23 now this is showing that you've gotten more
24 experience at those levels?

25 MS. DYCUS: The credentials board has, you

1 know, a number that they might watch and then --

2 MS. DROTAR: Is that something that you'd
3 have to have at the facility? For instance --

4 MS. HINES: I was going to say does the
5 Department need to get into the middle of that? I
6 think we should have --

7 MR. FUTCH: We didn't even get to the part
8 where she's asking with every renewal will a new
9 one come in. Well, there are several parts to
10 this. Do you think we should -- let me back up
11 for a second.

12 In terms of requiring that there be a
13 written document kept by the radiologist for their
14 radiology assistants, is that something that you
15 think we need? Is that required?

16 MR. PASSETTI: Is that something that's being
17 done now?

18 MR. FUTCH: Yeah, what do you do now?

19 MR. PASSETTI: Between you and your radiology
20 group.

21 MR. FUTCH: I'm not talking about the thing
22 that says who your supervisor is, which goes to
23 the State; I'm talking about the thing that would
24 say what Christine calls the written, signed
25 delegation agreement that contains the duties that

1 are delegated in the supervision levels.

2 DR. SCHENKMAN: That's just to say that
3 they're more confident with you, they've allowed
4 you to do more, basically?

5 MS. HINES: Is that in writing somewhere?

6 MS. DYCUS: Probably not, but see, I'm in
7 an out-patient center where a hospital would have more
8 of that documentation for their credentialing
9 department.

10 MR. FUTCH: You know, me sitting up here in
11 the ivory tower of Tallahassee, it sounds like a
12 good idea to me, but I've watched so many of those
13 never see the light of day because they're shot
14 down as being too onerous.

15 MS. DYCUS: It would have to be
16 and then specific probably to --

17 DR. SCHENKMAN: The other thing you could is
18 just have a form that has all of the different
19 procedures on it that the radiologist keeps, and
20 as the RA gets more comfortable, gets more
21 experience. They just check off when they're
22 allowing that person to do that and they just keep
23 it in their records and then if, you know,
24 somebody comes by -- an investigator comes by,
25 they have it in the records. If you could do
26 something like that, that wouldn't be such a

1 difficult thing. I mean, each RA would have a
2 sheet and if a radiologist felt you were competent
3 and allowed you to circulate it, they would check
4 off the sheet.

5 MR. PASSETTI: But you're in a situation now,
6 right, where you have somebody submitting saying
7 I'm your supervising radiologist, but you may be
8 working for five radiologists.

9 MS. CURRY: We would have all five.

10 DR. SCHENKMAN: No, but that's what I'm
11 saying, each RA has a sheet; so the radiologist
12 just checks off on that RA's sheet when they're --
13 or just initials it when they feel comfortable for
14 the --

15 MR. PASSETTI: But if you're a group of
16 radiologists, do all five of you have to sign off
17 on that sheet?

18 DR. SCHENKMAN: No, each time that the
19 radiologist that you're working with feels that
20 they're comfortable starting to let you do this,
21 then they would initial that procedure.

22 MS. DYCUS: They might do that for an RA, you
23 know, have you done this for any other
24 radiologist? If Dr. A thinks you're qualified
25 then I would trust his judgment and you can do my

1 procedure.

2 DR. SCHENKMAN: Because usually in a group,
3 it's a group, you know; you're not working for 25
4 individual radiologists.

5 MR. PASSETTI: Well, that's what I'm asking.

6
7 Does she have to submit something from one
8 radiologist in the group saying I'm her
9 supervising radiologist, or do all five of them
10 have to sign?

11 MR. FUTCH: Right now they all submit
12 something to the Department, so that's what I was
13 saying.

14 How many people do you have in your group?

15 MS. DYCUS: Three radiologists. We just
16 added a fourth one.

17 MR. FUTCH: There are only thirty RA's in
18 Florida, roughly. I've had this discussion with a
19 couple of them, and what they do is they just, you
20 know, everybody decides the same thing, I think,
21 and sends it in from the group --

22 MS. HINES: And then we have entered the
23 relationship in our system, which would show
24 online.

25 MR. FUTCH: It was easier to do that than

1 trying to figure out who was supervising you this
2 particular six month period day, whatever --

3 MR. PASSETTI: They're already taking
4 responsibility for deciding what level of
5 supervision they want them to have and --

6 MR. FUTCH: Yeah.

7 MR. SEDDON: How is this different from a PA?

8 MR. FUTCH: That's a good question.

9 Knowledge? I believe they have to have a
10 written protocol --

11 MS. HINES: They have to send in a protocol
12 or the supervisor has to --

13 MR. SEDDON: So they have to have all--

14 SEVERAL MEMBERS: (Over-speaking.)

15 MR. SEDDON: So basically we're mirroring
16 identically what the PA's are --

17 MR. FUTCH: Yeah, so does it get down
18 to the level of duties when you say it's a written
19 protocol?

20 MS. HINES: I think that the Nurse Practice
21 Act changed so -- because their protocols have to
22 be reviewed by the Board of Nursing; and of
23 course, we don't have that capability and that's
24 their review. Since I've been gone from there, so
25 for the last six years, and so those all have to

1 be reviewed but they have nurses on staff. As far
2 as I know, the PA's are basically just a
3 supervisory agreement like the RN's are.

4 MR. SEDDON: From my understanding how it
5 works for PA's, it's anything that the supervisory
6 physician is privileged for they can do. That's
7 where we had an issue a few years ago, remember,
8 with fluoroscopy. I remember there was an
9 attorney general letter, remember about five or
10 six years ago?

11 MR. FUTCH: PA's and nurse practitioners
12 being considered licensed practitioners for the
13 purposes of Rad tech, yeah. Which changed by the
14 way, the PA part of it changed. We'll talk about
15 that sometime. The ARNP's never did, but anyway--

16 Well, here's what I would -- what I'm
17 thinking the more I hear folks talk about this.

18 (Whereupon, Mr. John Williamson entered the
19 meeting room.)

20 MR. FUTCH: Well, hello there. There's a
21 spot for you over there.

22 Everybody, this is John Williamson. He'll
23 be later in the agenda after lunch talking about
24 NASA and some other things.

25 What I was thinking when I first saw this,

1 and the reason that I didn't just cut out the role
2 delineation and substitute the ELCA was that --
3 well, two things. One, the ELCA says it's
4 specifically for entry level RA's whereas the rule
5 needs to apply to everybody; and two, although it
6 went from personal supervision to less restrictive
7 supervision (on some things), it went the other
8 direction on some things that were formerly listed
9 as general, like review the patient record. If
10 you take it at face value, everything for the
11 entry level person should be a direct level
12 supervision. So I was hesitant -- I liked the
13 part that got less restrictive, but I was really
14 hesitant to say, well, gee, everything else has
15 got to also be in direct level.

16 So what I'm thinking is perhaps we should
17 adopt -- still go ahead and adopt the ELCA for one
18 purpose, which is at least it's got a list of
19 activities. Excuse me. At least it has a list of
20 activities on it so that if you're a radiologist
21 who's employing an RA for the first time or an RA
22 who's being employed for the first time by a
23 group, you'll have a specific list here that
24 everybody agrees is part of the thing that you can
25 do. I mean, you can at least point to it and say

1 that's a list of duties that I can do.

2 As far as the level of supervision, we could
3 write the rule to say something along the lines
4 of, you know, for entry level radiologist
5 assistance the beginning level of supervision is
6 as listed in the entry level clinical activities,
7 which is direct. Then for, you know, all other
8 RA's, it would be as listed in the practice
9 standards which are very vague and very general,
10 which essentially means that the radiologists can
11 delegate what they want at what level of
12 supervision they want. Then I don't know exactly
13 how to write that.

14 MR. PASSETTI: Then you have to define what
15 "entry level" is and how long it is instead of
16 just leaving it up to the radiologist to determine
17 the supervision level.

18 MS. BONANNO: Because initially if you're
19 starting into a procedure you've never done,
20 you're entry level at that point.

21 MR. PASSETTI: You're entry level even if
22 you're an RA for 10 years, right.

23 MS. HINES: But when a statute goes out can
24 they enforce anything unless we say entry level is
25 this length of time or this level, I mean, is

1 there a subjective way -- an objective way to do
2 that?

3 MS. DROTAR: That I would think would be
4 difficult because you're talking about keeping
5 those things at entry level, then if you've never
6 done a lumbar puncture and three years later is
7 now when somebody is training you to do that, but
8 you're at an advanced level. So it's going to be
9 very subjective to the procedures that you've done.

10 MR. FUTCH: Yeah, maybe they could just adopt
11 both documents and not specify in the rule
12 anything about entry level and let the documents
13 exist on their own as they're written.

14 MS. DYCUS: And correct me if I'm wrong on
15 that on the ELCA because those are the
16 requirements to graduate from the program or sit
17 for the examination so that any of the ELCA have -
18 - there's been a competency level to get to
19 "achieved" in order to get there, right, with
20 those procedures? You have to have done a
21 competency in small bowel with enteric plexus in
22 order to graduate from the program.

23 MS. DYCUS: And you have those documents when
24 you take them to your first radiologist. As an
25 intern, I've done 20 needle localizations without

1 any adverse events. You have all of that to take
2 to help them determine where your level is for
3 that.

4 MS. DROTAR: So they actually call that an
5 internship where you're doing those things?

6 MS. DYCUS: Yeah.

7 MR. FUTCH: So the first time you work here
8 you're an entry level person; the next day you're
9 not?

10 MS. DYCUS: Correct.

11 MR. FUTCH: Well, I've been spinning around
12 with this one for a number of months now. We told
13 the one person who said their facility really
14 wanted them to be able to do this lumbar puncture
15 at the direct level, we said -- there's always,
16 you can always ask for a variance from the rule.

17 I think we'd probably grant it given the,
18 you know, the document that we can see for sure
19 even for entry level people who says it's now at
20 the direct level. It's not going to make a hill
21 of beans of difference when you go to try to get
22 reimbursed for it because you still have that
23 issue that's out there.

24 MS. DYCUS: And there are some practices who
25 think that even not getting reimbursed for some of

1 the procedures still warrants having an RA in
2 their practice. So some are willing to forego
3 that reimbursement on some things.

4 DR. ATHERTON: I have a question. The
5 radiologist assistant, say they do something
6 wrong, is ultimately the supervising radiologist
7 responsible, also? So it's going to be in their
8 best interest not to approve them or allow them to
9 do things that they're not comfortable with.

10 MR. FUTCH: Well, I'm not an attorney but I
11 would imagine that's how it would work. I don't
12 think we've had a case yet.

13 DR. ATHERTON: So I don't know if it has to
14 be that way.

15 MR. FUTCH: Well, let me say I don't think
16 there's been a complaint filed against them. I
17 guess it would probably come to me and I -- have
18 you heard of it? Yeah.

19 Well, let me ask you this. Are you leaning
20 more toward Christine Lung's approach where we
21 kind of say basically whatever the physician
22 delegates or whatever they specify in terms of
23 duties and we have absolutely no adoption of ELCA
24 or the practice standards? Or are you leaning
25 more towards something that involves adopting ELCA

1 and the practice standards, one or the other or
2 some combination of the two so we have some
3 document that a person can reference?

4 MR. SEDDON: I think Christine Lung is
5 following like how they handle the PA's in
6 general, not directly, just in general, because
7 that goes back to Bill's point of ultimate
8 liability lies with the supervising physician or
9 lies with the physician in all cases. So that's
10 why I think they're taking this approach saying, I
11 mean, for whatever reason for the RA's we have
12 we're very specific and this is going to be
13 constantly changing every few years because of the
14 changes in the field and competency. So are we
15 boxing ourselves in by adding five more years,
16 it's going to be a change in this.

17 MR. PASSETTI: We boxed ourselves in the
18 first time by adopting that document.

19 MR. FUTCH: Yeah, I think -- well, two
20 reasons. One is it was brand new and we did not
21 have anybody who was doing it -- but also, I
22 think, you know, the society and the legislators
23 who brought this together, they wrote a statute
24 that's fairly prescriptive when it comes to what
25 the Department must do. It says we must

1 promulgate a rule which, you know, it's in there,
2 you all read it, which contains specific duties
3 with the level of supervision agreed to by the
4 guidelines of the national groups. In retrospect,
5 I kind of wish that little section said nothing
6 about the Department promulgating a rule and just
7 reference the national groups in the standards
8 that they had.

9 MS. DYCUS: Christine is also coming from the
10 aspect that's a national organization and
11 many of the states have adopted their RA laws
12 through their medical board and not through their
13 radiation board. So she's probably mimicking for
14 the benefit of other states, too, how they're
15 reflecting it.

16 MR. FUTCH: Partly, I'm not sure if I -- if I
17 go to, for example, what Christine wanted; I'm not
18 sure if JAPC would approve that, and not the part
19 where she's asking that the thing be sent to the
20 Department, but just the part where we don't have
21 any specific -- see, the statute says -- where is
22 that?

23 DR. SCHENKMAN: Does it have to be that
24 specific? Can we do the entry level one?

25 MR. FUTCH: "...performs specific duties

1 allowed for an RA as defined by the Department by
2 rule."

3 MR. PASSETTI: The word I kind of got stuck
4 on was it must be consistent with those; it
5 doesn't say it has to list specific procedures in
6 supervision.

7 MR. FUTCH: Well, I think if I just adopted
8 the two documents I think that would fly. I mean,
9 I'd just say the 2011 ELCA and whatever the
10 version the ASRT Practice Standards are hereby
11 adopted to meet the requirements of statute
12 whatever we're in here.

13 MS. DROTAR: In the ASRT practice standards,
14 you've got the scope of practice outlined; and as
15 that changes then that would just go back to refer
16 to that document and what changes within the
17 practice standards, too, if it gets narrowed or
18 expanded in any way without having the change.

19 MR. PASSETTI: In the rule you have to adopt
20 the date of the standard, so if it changes you
21 have to go back and redo the rule and change the
22 date on it. I mean, it's just -- you can do it;
23 it's just you have to actually have a specific
24 date on there.

25 DR. SCHENKMAN: Well, what I was thinking was

1 maybe you could adopt this entry level one but
2 with another paragraph that says that the level of
3 supervision is based on the physician's assessment
4 of the --

5 MS. DROTAR: Skill level?

6 DR. SCHENKMAN: Yeah, skill level or
7 abilities and can go from, you know, direct to
8 general at the discretion of the physician.

9 MS. BONANNO: She said CMS; how is CMS going
10 to pay for without the physician being there?
11 He'll be there or determine that he doesn't want
12 to be.

13 MR. FUTCH: Adopt the ELCA but then say the
14 level of supervision and duties can vary as
15 delegated by the supervisor according to the ASRT
16 Practice Standards; because with that last
17 statement in there with the level of supervision
18 required by such guidelines, that's the only one
19 that allows -- it specifically says the supervisor
20 can do that.

21 DR. SCHENKMAN: Okay, so that would be fine.
22 But then you're not limiting it so much to any one
23 thing, and as the supervising radiologist feels
24 that the level of competency is going up they can
25 start giving the person more independence.

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DR. SCHENKMAN: Right. That's the practical thing.

MR. PASSETTI: We can try to do that, be practical if we're going somewhere.

MR. FUTCH: Okay, so everybody seems to be nodding their heads that that's a good idea.

Do you want to take a vote on that one now that we have somebody to vote with?

DR. SCHENKMAN: Okay. Do we need a vote to approve that?

MR. FUTCH: Yeah, why not?

DR. SCHENKMAN: Does anybody have any discussion before we have the vote? The vote is to use the entry level as the base and then as the physician feels that the RA becomes more competent they can increase --

MR. FUTCH: What I would say, if I may?

DR. SCHENKMAN: Go ahead.

MR. FUTCH: The motion that somebody might want to make is to adopt the ARRT ELCA but add some language to the rule saying that the level of supervision and duties can vary, as assigned by the supervising radiologist according to the ASRT Practice Standards.

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MS. DROTAR: I make a motion.

MR. FUTCH: What I just said?

MS. DROTAR: What you just said.

DR. SCHENKMAN: I'll second it. Okay. All in favor, aye?

COUNCIL MEMBERS: Aye.

DR. SCHENKMAN: Opposed? Okay.

MR. FUTCH: It is now 11:45.

DR. ATHERTON: I have one question that's not really related to the voting, but it says here the RA is prohibited from performing duties specified in this section. Give me an example of what those duties are.

MS. HINES: They can't read the x-rays.

DR. ATHERTON: Okay. That's the only thing probably?

MR. FUTCH: Yeah, and the statute has a few things they can't do.

MS. DROTAR: They can't prescribe.

MR. FUTCH: They can't do anything with nuclear medicine or therapy unless they're also a nuclear medicine tech and therapist.

DR. SCHENKMAN: Do you want to real quickly go back over so we can vote in the minutes and --

MR. FUTCH: Oh, yeah.

1 MS. BONANNO: We need it for a quorum.

2 DR. SCHENKMAN: Yeah, we needed it for a
3 quorum.

4 MR. FUTCH: I think we have time to do just
5 the minutes and then we need to get over to the
6 other one.

7 DR. SCHENKMAN: Okay. We wanted to approve
8 the minutes of the October 5, 2010, meeting.

9 Does anybody have any discussion about those
10 minutes?

11 Okay, so all in favor of approving the
12 minutes?

13 COUNCIL MEMBERS: Aye.

14 DR. SCHENKMAN: Any opposed? Okay. That's
15 done. Election of chairpersons?

16 MR. FUTCH: Let's do it after.

17 DR. SCHENKMAN: After? Okay. Then we're
18 caught up.

19 MR. FUTCH: I think Macaroni Grill. I have
20 some stuff to set up here, so I think Bill or
21 Janet know the way if you all want to go ahead.

22 (Whereupon, a lunch recess was had.)

23 DR. SCHENKMAN: So do we want to vote on
24 those things first?

25 MR. FUTCH: Yeah, let's -- whichever one you

1 want, we need to talk about the Chair and the
2 Vice-Chair and then the specialty technologist,
3 get votes on those, too.

4 DR. SCHENKMAN: Okay. So why don't we start
5 with the Chair and the Vice-Chair.

6 MR. FUTCH: Do you want to describe? Well, I
7 can do it.

8 Basically, Dr. Janowitz is currently the
9 Chair. Randy's the Vice-Chair. The terms are up
10 this year, I guess we open for new
11 nominations and see if anybody would like to do
12 that? If not, accept discussion of just re-
13 nominating you guys if you're willing to. Since
14 Dr. J's not here, I'm pretty sure he would be.

15 DR. SCHENKMAN: I'm sure he would be.

16 MR. FUTCH: We just look for the meeting when
17 you're not here and then we nominate you.

18 DR. SCHENKMAN: Is anybody else interested in
19 being nominated for Chair or Vice-Chair?

20 Okay.

21 MR. FUTCH: You might have to sweeten the
22 deal a little. I think they'll accept money.

23 DR. SCHENKMAN: Can we take a vote on whether
24 to retain the current Chair and Vice-Chair as it
25 stands?

1 MS. DROTAR: I make a motion to nominate Dr.
2 Janowitz for Chair and Dr. Schenkman for Vice-
3 Chair.

4 DR. ATHERTON: Second.

5 DR. SCHENKMAN: Okay. All in favor?

6 COUNCIL MEMBERS: Aye.

7 DR. SCHENKMAN: Opposed? Okay. Well, thank
8 you all.

9 Now we're going to do the specialty tech.

10 MR. FUTCH: Right, and basically what the
11 Department would appreciate is a vote on the bills
12 as they're currently written, the Council
13 approving them in their current form if that's the
14 will of Council.

15 MS. DROTAR: So moved.

16 MS. DYCUS: Second.

17 DR. SCHENKMAN: Okay. So let's vote. All in
18 favor of keeping the rules

19 MR. FUTCH: Proposed legislation.

20 DR. SCHENKMAN: Proposed legislation, excuse
21 me, as it stands? Aye?

22 COUNCIL MEMBERS: Aye.

23 DR. SCHENKMAN: Opposed? Okay.

24 MR. FUTCH: And I think we're down to D3.

25 DR. SCHENKMAN: D3, we're already -- oh, we

1 didn't do fluoroscopy. Right.

2 MR. PASSETTI: I'll be doing that one. The
3 folks from our x-ray department are not here
4 today. I think a couple of meetings ago we went
5 into a lot of details on this issue with the
6 fluoroscopy. Just to refresh everybody's memory,
7 there was some concerns with the registrants and
8 some of the manufacturers of the equipment. A
9 couple of reasons.

10 One is our rules were a little different
11 than FDA, who regulates the manufacturers. They
12 look at it as equipment performance of what they
13 manufacture, and we look at the fluoro dose rate
14 for fluoroscopy from the patient exposure point of
15 view. So there were some differences on how we
16 measuring the output of fluoro machines. It was
17 causing some confusion with the manufacturers when
18 they came in, if we would cite a registrant how
19 they would get their machine back in compliance.

20 So we worked with several manufacturers,
21 mainly one, and what we ended up doing is behind -
22 - we decided we needed some rule revision and it's
23 behind Tab D3. Basically, what we have here is
24 proposed regulations and what it mainly does is
25 that we clarified three definitions there on the

1 top of the first page. Mobile C-arm, a C-arm
2 system, and a C-arm fluoroscope.

3 One of the problems that we were running
4 into is that people that were using mobile C-arm
5 systems, they were using them in the same room on
6 the same table. They didn't move; they just
7 stayed there and they were rooms that were used
8 basically as a stationary fluoro. We were going
9 in and measuring them the same way as we would a
10 stationary fluoro. So a lot of times they weren't
11 meeting the FDA requirements.

12 So after meeting with manufacturers, they
13 agreed that if we clarified the definition of what
14 is a true mobile C-arm, something that you move
15 from room to room and use on different tables and
16 patients, that would be mobile. Then under the C-
17 arm system we clarified that it means a stationary
18 or a mobile C-arm that's routinely used in the
19 same room with the same patient support device.
20 So we clarified the definitions.

21 Then the other issue is the way we were
22 measuring the output during our inspections. What
23 it came down to is we agreed -- a lot of the
24 registrants agreed and the manufacturer agreed
25 that if a particular facility has procedures that

1 spells out how they use that fluoro, how they set
2 it up, how they position the patient, that we can
3 measure that the way they use it, not necessarily
4 in a standard, most conservative manner. So,
5 hopefully, that makes a little bit of sense.

6 So really the only thing, the major part of
7 the changes are the three definitions up front,
8 and then on the second page at the bottom starting
9 with number four, and that's where it basically
10 says if the registrant has a radiation protection
11 program that spells out how they will use the
12 machine, then we'll measure the machine in the
13 same mode that they use it. We found after
14 working with the manufacturers that in most cases
15 if we measure it how they're using it, they're
16 going to meet those fluoro limits.

17 So we're getting ready to start the rule
18 promulgation process on this piece. If you have
19 any -- after you go back and look at it, if you
20 have any comments, questions, or suggestions, we
21 still have plenty of time to take those into
22 account as we go through the rule making process.
23 But if you have any questions now I'll try to
24 answer it; I don't know if I'll be able to but
25 will try to -- we'll get you the answer for sure.

1 DR. SCHENKMAN: Does anybody have any
2 questions?

3 I have a question. When you say that they
4 did not meet the standards, but when you measured
5 them the way they usually meet the standards,
6 aren't the standards supposed to be a strict
7 measurement?

8 MR. PASSETTI: It came down to -- there were
9 two standards. The FDA sets standards for how the
10 machine performs and we were looking at it as how
11 much dose the patient was receiving. So there was
12 two different ways to measure that. What
13 basically we did is we measured the worst case
14 scenario where we went into a fluoro room, we set
15 up the equipment where you're going to receive the
16 very highest dose, and some of them were not
17 passing that. But if you put it at actually the
18 way they were using the equipment on the patient,
19 they were meeting the requirement.

20 Does that make sense?

21 DR. SCHENKMAN: So when you put it the way
22 they're actually using it, it's not worst case
23 scenario?

24 MR. PASSETTI: Right, a lot of times, right.
25

1 So what we're saying is if you don't have
2 procedures -- if you don't document how you're
3 doing your thing, we're going to come in and do a
4 worst case. But if you have procedures that tell
5 us exactly how you set up your equipment and your
6 patient, we'll use what you're using to measure
7 that.

8 DR. SCHENKMAN: That makes sense.

9 Anybody else have any questions, comments?

10 MR. BURRESS: What are the dose limits?

11 What's the range or what's the magnitude of them?

12 MR. PASSETTI: You know, I don't think I'm
13 going to be able to answer that. I think the
14 maximum one is 10 R per minute.

15 MR. SEDDON: So I know the issues we had in
16 previous discussions with Don is to make sure that
17 all the vendors could meet -- Phillips, I believe,
18 is the one you guys worked with initially, and so
19 I think the question was whether GE could also
20 meet the standard because the problem is they're
21 following the FDA traditional guidance which is 30
22 cm which doesn't fire to calibrate their systems,
23 and now that it's all computerized you can't just
24 go in and change things automatically.

25 I know Phillips said if they used this

1 criteria you have here, their systems would pass
2 and they can calibrate them properly. I know GE
3 had been telling us at one point a couple of years
4 ago that they were having to, I think, cheat the
5 system somehow to make it pass by using this
6 criteria.

7 MR. PASSETTI: Yeah, we're getting ready, we
8 haven't done it yet, to send this draft language
9 to the manufacturers so they can look at it and
10 make sure --

11 MR. SEDDON: What's happening now on a lot of
12 those, especially for cath labs, they do special
13 filtration, especially if they're constantly
14 changing the type of filtration. So it's not the
15 old days where you adjust the Max MA and that's
16 it; now it's all very complicated and calibration
17 occurs and how they actually go ahead and adjust
18 the beam, harvest the beam and exposure rate. So
19 it's not something you can just tweak down a
20 little bit.

21 MR. PASSETTI: Like I said, if you have any
22 comments or questions, we have time as we go
23 through this process.

24 MR. SEDDON: I think the main one is to make
25 sure you talk to GE and make sure they can pass

1 it. I don't really see a problem there, it's a
2 very low dose; but GE is the one that we seemed to
3 have the biggest challenge with.

4 MR. PASSETTI: Okay. Thank you.

5 DR. SCHENKMAN: Okay. So moving right along,
6 proposed rule revision is continued. We're done
7 with that now?

8 MR. FUTCH: I believe so.

9 MR. PASSETTI: I think we're done.

10 DR. SCHENKMAN: Okay. So now we move to
11 introduce Mr. Williamson.

12 MR. WILLIAMSON: Good afternoon. I'm here to
13 talk to you about the preparations for the Mars
14 science laboratory launch.

15 I'm the administrator of the Environmental
16 Radiation Program. I've been involved in planning
17 for anomalies with the launch vehicle since late
18 2006.

19 Curiosity is what they're spending all their
20 money in launching this. It's another rover like
21 Spirit and Opportunity that were launched in 2003
22 only Curiosity is a much, much larger rover.
23 Spirit and Opportunity were about two by two or so,
24 little desktop-type size rovers. This one is
25 actually large enough -- you can see some pictures

1 of it -- you could actually ride this one if you
2 wanted to.

3 Just a little bit of detail about it. It's
4 a rover that's going to assess whether Mars had
5 water on it at some point in the past. It has a
6 whole mess of different scientific instruments
7 that they put on. The video I'm going to show
8 shows one of them in action. It's going to
9 collect rocks and soil, do analysis of them
10 actually on board the rover, and do the chemical
11 composition of the rocks as well as whether
12 there's any signs that there was ever any water on
13 it.

14 More detail about it. This is really --
15 they spent a lot of effort making this real
16 cutting edge, and I'll go back to the video. From
17 the way which they're actually going to land it on
18 Mars to the whole design of it, it's a really cool
19 design that they use for the whole thing. This
20 actually moves a lot faster than the previous
21 ones, too. I think this can move up to 90 meters
22 an hour, so 1-1/2 meters a minute or so. So it's
23 really racing along there.

24 The one thing about this is they're using an
25 RTG, a radioisotopic thermal generator, on board

1 this one. Spirit and Opportunity were powered by
2 solar panels, and one of the problems about Mars
3 is it has a lot of dust and when those solar
4 panels got covered with dust they greatly affected
5 the amount of power that the rover could generate.
6 At one point, they actually had a massive storm on
7 Mars that actually served the opposite of what
8 they expected; it actually blew all the dust off
9 the solar panels, which is why you saw they had an
10 extended life span on those two devices.

11 This one actually is going to have an RTG,
12 radioisotopic thermal generator, and it will
13 probably have somewhere between -- a normally
14 RTG's in space have a 10 to 15 year life span, so
15 they expect to be able to get much more data on
16 this one. I actually have -- it would probably
17 help if you could see the video.

18 MR. FUTCH: It's an amazing soundtrack.

19 MR. WILLIAMSON: Yeah. Let's do it this way.
20 I guess I'll have to stop. It never works.

21 PANEL MEMBER: How long did the other two
22 last, the other two rovers?

23 MR. FUTCH: One of them is still going, I
24 think. One stopped last year. I think
25 Opportunity is still going after a fashion.

1 I'm glad to know it wasn't just me who was
2 having problems with video today.

3 MR. WILLIAMSON: All right. There we go.

4 (Video plays.)

5 MR. FUTCH: A little different than the
6 bouncing ball landing on the Spirit and
7 Opportunity. It's got its own laser weaponry,
8 we hope.

9 DR. SCHENKMAN: That's impressive.

10 MR. WILLIAMSON: Now that you saw the video,
11 you'll have a test on everything that's going on.

12 This is not the first time that radioactive
13 sources have been used to use power in space. All
14 the way dating back to the Apollo missions, they
15 had radioactive sources, the little more famous
16 ones the Voyager series, the Pioneer series. The
17 last one that was launched was Pluto New Horizons
18 in January 2006. You guys may remember Cassini,
19 the one that was launched in 1997. Cassini
20 essentially worked flawlessly and is investigating
21 the moons of Saturn right now. It's giving some
22 really, really fantastic images of Saturn, and
23 that was powered by three RTG's making it the
24 largest amount of radioactive material that was
25 ever launched on a single mission -- about 330,000
26 curies of Plutonium-238. You see a -- some of

1 them were actually launched on -- two of them were
2 launched on the space shuttle and Cassini went up
3 on a Titan IV and two of the New Horizons went
4 up on that one, and that's five.

5 Just a breakdown of what the MMRTG is. MM
6 is for the multi-mission, RTG is the new design
7 that the Department of Energy came up with. It
8 uses the same theory as all the previous designs
9 only they made it a more modular system so that
10 they can add additional power, like by adding
11 additional modules to it. And I think on this one
12 it's got -- an RTG essentially uses the decayed
13 heat of an alpha emitter, Plutonium-238, to
14 generate electricity using a thermo coupler. A
15 thermo coupler simply uses two dissimilar metals;
16 you have one that's really hot, one that's really
17 cold, and the difference if you run a line across
18 them you can actually generate electricity.

19 Obviously, if you're in space it makes it
20 really easy to have the cold end of it and then if
21 they're using the Plutonium-238 to produce the
22 heat on the other end. It's actually got eight
23 different modules inside with Plutonium-238 in it
24 that make up a single RTG, and then it uses a lot
25 of graphite shielding for the designs, 10.6 pounds

1 of Plutonium-238 approximately 59,000 curries of
2 material. You probably didn't notice it, but in
3 the video you can actually see a clear rendition
4 of where this RTG sits on the back of the rover.

5 Here's another breakdown of it that shows a
6 little bit more detail with the eight actual
7 graphite blocks that have -- we're saying 10
8 pounds of Plutonium divided by eight, so there's
9 about 1-1/2 pounds of Plutonium in each one of
10 these graphite cylinders here.

11 Another cut-away of it showing the actual,
12 some of the safety features that they've put into
13 these things. This is a single one of the cut-
14 aways, you know, I said there are eight of those
15 on it and they actually have the Plutonium fuel in
16 a ceramic pellet form on the inside and it's
17 encapsulated by an iridium outer shell. Iridium
18 is very, very hard and gives an extreme impact and
19 heat resistance. Then it's got graphite covers
20 around that and those form an impact shell as well
21 as high temperature protection.

22 Some of the different safety features that
23 are built into a power source, the graphite impact
24 shell provides impact protection and ablation, so
25 if it actually -- once the spacecraft goes up and

1 doesn't get a complete burn, it starts to come
2 back down and the graphite shell is actually
3 helping to protect that Plutonium-238 from being
4 burned up in the atmosphere. It serves as a great
5 insulator, thermal protection; they have a
6 graphite impact shell, an insulator, and an
7 aeroshell which is the outer part of it. It's a
8 ceramic fuel which means that when it breaks up,
9 typically it breaks up into chunks. It does not
10 break into powder, that Plutonium Oxide powder is
11 not considered something that is generally going
12 to happen even in the most severe accidents. It
13 has a very low vaporization rate on that fuel, so
14 it's not going to vaporize and spread all over the
15 entire world and kill everyone on earth like a lot
16 of the people who are against this will tell you.

17 It's highly insoluble; when it hits water,
18 it typically goes straight to the bottom and sits
19 there. It's not absorbed into any plants.
20 Typically, when it gets into soil it just stays
21 there. It's not also absorbed particularly well
22 in the human body. Because of that, the majority
23 of it tends to move right through as insoluble
24 material.

25 It is an iridium clad fuel, fuel containment

1 by its impact protection, 2400 degrees Celsius for
2 the melting point, so it's going to help protect
3 it in case of the worst accident. The actual
4 worst accident scenario isn't actually a re-entry,
5 but it's the vessel -- the spacecraft or the
6 rocket going up, turning around and coming right
7 back down, hitting the launch pad, and setting off
8 all the rocket fuel. That's the worst accident
9 case scenario that they can actually generate.

10 Why are we really so concerned about that?
11 Well, you know, what they say about spacecraft.
12 It's two million moving parts, each one of them
13 built by the lowest bidder. The nice thing about
14 this particular vehicle, and it's an Atlas V 541,
15 it has a Centaur upper stage, and this is actually
16 the ring that you saw that was attached to the
17 actual spacecraft itself. That's considered part
18 of the spacecraft and it is actually coupled to
19 that upper stage. It's got four strap-on boosters
20 on the bottom. The Atlas rocket has a 100%
21 success rate so far, so it is a very, very
22 successful launch platform. Obviously, the first
23 time it will happen it will be less than 100%. It
24 still is a very successful launch platform. It
25 does have its inherent risks, of course, as any

1 type of space launch does.

2 MR. SEDDON: About how many launches?

3 MR. WILLIAMSON: Well over 100. I think 115
4 or so.

5 The actual spacecraft itself -- I just
6 pointed out that ring, the ring is what holds it
7 to the Centaur, then it's got the back shell which
8 actually covers the descent stage, the descent
9 stage which is what we saw during the retro-
10 rockets and then using a sky crane to actually
11 lower the rover and then it's got a heat shield on
12 the bottom side of it.

13 When you're looking at the rocket on the
14 pad, all of this is actually upside down because
15 as it goes up and it goes through space and then
16 it separates from this, and then that continues on
17 and it flips over on the heat shield, and
18 obviously the whole thing is upside down as you're
19 looking at it on the pad.

20 The rover itself on the back end of it is an
21 RTG, and the actual RTG is actually open to the
22 atmosphere in Mars. It's got the vent fins on it
23 to radiate any excess heat that builds up. This
24 is, of course, the big instrument module that we
25 saw, and of course, the wheels are actually quite

1 large. If you're familiar with the SUV that you
2 can buy for your three-year-olds to drive around,
3 this is about three to four times the size of one
4 of those. The tires are about 12 to 14 inch
5 tires. They are kind of expensive tires, though.
6 I think they're \$100,000 apiece or something, but
7 of course, if it has flat tire on Mars it costs a
8 lot to get the tow truck there.

9 The accident scenarios that they've actually
10 looked at, the launch area, land impact, near
11 shore. I tell you, the real truth of the matter
12 is, for us who are sitting over at NASA all we
13 want is to make it the first 50 seconds because if
14 it makes it 50 seconds, we're done, okay. And
15 that's actually a much shorter time. This one
16 says it's actually blame-clear in 13 seconds. So
17 after a very short amount of time, less than a
18 minute, everything that the people in Florida have
19 to worry about is over with, okay. So really
20 that's the really crucial one.

21 The other accidents, of course, near shore
22 then it becomes the Coast Guard and the Navy's
23 responsibility. Sub-orbital means it doesn't make
24 the complete burn in the orbit, it can actually
25 drop part of it on the southern part of Africa or

1 even on Australia. They have contingencies about
2 that. Orbital control where I can actually get
3 into a vehicle -- it would take a number of days
4 in order for it to actually come back down days or
5 weeks. I think it's like 300 days, depending on
6 how long the second stage burns. Then, of course,
7 control orbit, the different configurations you
8 could have for an accident.

9 The good news. This is the final
10 environmental impact statement. The probability
11 of a successful launch is 91.7%. This takes into
12 account everything -- not just the spacecraft but
13 everything else that could go wrong. Remember,
14 you have 100% success with that particular
15 spacecraft. You can have a completely successful
16 launch of the rocket and you could still have a
17 failed mission. That's part of the reason you see
18 the 91.7. Overall probability of an accident
19 is 1 in 220, and this really is based on figuring
20 out the odds of the rocket going out, turning
21 around and coming right back down, having an
22 intense fire that actually fractures the RTG's
23 itself. The probability of an accident in the
24 launch area with release is 1 in 420, so about
25 half of that probability of release would occur in

1 the launch area itself.

2 Mission risk accident probability, given the
3 accident is 0.14. Fairly low probability. It is
4 still something that we consider which is why
5 we're doing the whole contingency planning.

6 By the way, in general, when we're all
7 talking, we never refer to it as an accident. It
8 is an anomaly. Some of the previous missions, the
9 Department of Energy owns the radioactive
10 material. Even when it goes up, the Department of
11 Energy owns the radioactive material. We have
12 been told that that RTG is actually considered a
13 facility under the law so that the Price-Anderson
14 Act indemnifies DOE if something happens. So
15 you've got this thing that weighs 80 pounds that
16 is a Department of Energy facility. Okay.

17 So what has the Department of Energy done in
18 the past to make sure that they have preparations
19 in case something actually happens? Dating all
20 the way back to 1989, Galileo had two RTG's.
21 Galileo was intended for Jupiter. It went up on a
22 space shuttle and that's something that even if
23 the space shuttles were still operating they would
24 never do that again. For obvious reasons, the
25 space shuttles don't have nearly the success rate

1 that they have going up on single use rockets.
2 More than 300 DOE personnel on the ground in
3 central Florida in preparation for an accident.

4 A year later Ulysses also went up on a
5 shuttle. It had a single RTG. That was a mission
6 looking at something to do with the sun. Once
7 again, 300-plus personnel.

8 In 1996, Mars Pathfinder, with only 16, it
9 had heater units, not RTG's to provide electricity
10 but lightweight heaters used powered by the decay
11 use as well. Many less people because, one, there
12 weren't nearly as much material that there was in
13 the RTG format.

14 Cassini, I mentioned earlier, was the
15 largest amount of radioactive material ever used,
16 330,000 curies. DOE had 112 personnel. One thing
17 to realize is that with each one of these launches
18 you also had State and County personnel who were
19 also involved. For instance, on the Cassini,
20 you'll see 112 people. The Bureau of Radiation
21 Control had between 15 and 20 people involved in
22 that particular launch.

23 Spirit was the first rover,
24 Opportunity was the second one. DOE only had
25 six. The State of Florida provided personnel for

1 the laboratory and the field team as well.

2 Pluto and New Horizons had 68. On this
3 particular one, they're cutting down to 38 people.
4 Only 27 of them on the ground in central Florida,
5 and the consequence home team in Nevada is going
6 to have 11 people. You ask how in the world can
7 you continue to cut down on your numbers here?

8 Well, part of it is that Cassini was three
9 RTG's, there's one here. So, you know, three
10 times as much material, three times as many
11 people? Well, not necessarily. It has to do with
12 the type of equipment that we're actually going to
13 be using to monitor for. You guys know,
14 obviously, there have been a lot of advances in
15 electronics since 1997. I mean, you can carry
16 around a cell phone that will do all kinds of
17 things that you had to have a whole computer to do
18 fourteen years ago.

19 Part of the deployed field assets that is
20 really different about this is an ECAM. An ECAM
21 is an environmental continuous air monitor, and
22 it's basically an air monitor in a box that you
23 deploy out somewhere. It breathes at twice the
24 normal human rate, it pulls the air in about five
25 or six feet tall, and it runs it through a cyclone

1 to separate out the respiratable particles and the
2 non-respiratable particles and it coats those on a
3 filter and then counts them on an alpha spec.

4 For those who are familiar with radiation,
5 we have a term called the DAC, the derived air
6 concentration. If you take the total amount of
7 radiation that an occupational worker is allowed
8 to have over the course of a year and you figure
9 out how much of it -- if you got it all by
10 inhalation, when you divide that value by 2,000
11 hours you get a DAC hour, how much radiation would
12 you keep breathing in in one hour that will
13 accumulate to be his annual limit of intake?
14 Well, this particular item, an ECAM, can calculate
15 one DAC hour of sensitivity in about 15 minutes of
16 run time. So in 15 minutes it can tell whether
17 the radiation there is exceeding what the annual
18 occupational dose is. NASA has bought 30 of these
19 at greater than \$30,000 apiece. They will be
20 deployed for the launch. They have all been
21 tested for the last four or five months. We used
22 some of them with the Pluto New Horizons launch
23 in 2006, and they went out and bought a whole
24 bunch more. There will be 17 offsite and 9 onsite
25 and these are the pre-deployed ones. They've

1 already picked the locations where they're going
2 to put them. In general, they're fire stations
3 where they have security because they use a
4 satellite uplink plus it's a \$30,000 piece of
5 equipment and they also run power to them.

6 Then we're going to have four mobile ECAM
7 systems running around, two of them onsite and two
8 of them offsite. What we have at the mobile one,
9 we have a team of somebody who's in a pick-up
10 truck and they've got this ECAM in the back of a
11 pick-up truck and they drive somewhere and they
12 get it out of the pick-up truck and they set it
13 up. They set the satellite link up and they bring
14 it online, so let's say the day of the launch
15 we've got these 26 pre-deployed and you know which
16 wind direction the wind is going, okay. So then
17 they say, okay, if we're going to have a release,
18 it will be blowing with the direction of the wind.
19 So let's take our mobile ECAM and let's go put it
20 right smack there where the middle of the wind
21 direction is going to blow so that if something
22 does happen, if we have an anomaly, we will have a
23 person which is what the ECAM is who can tell how
24 much radiation is there, sitting there breathing
25 it in telling you what the results are.

1 James is actually serving on one of the
2 mobile ECAM teams.

3 MR. FUTCH: You've got me on the onsite team,
4 right? I want to be as close to the source as
5 possible.

6 MR. WILLIAMSON: We have offsite field teams.
7 We have three offsite field teams that are aside
8 from the ECAM teams. They'll be going around
9 setting up air monitoring stations and taking care
10 of all those additional -- I think that there's
11 about 30 total sampling sites that will be around
12 all the way from Volusia County all the way down
13 to south of Palm Bay area where we've got
14 monitoring equipment set up. In addition to the
15 ECAM's, we have large air pumps that will also be
16 running. These three teams will be running around
17 doing all that collection. The Bureau of
18 Radiation Control has six they're providing the
19 field team personnel for the offsite teams and
20 there's a number of onsite teams as well,
21 including a medical D-CON team on site, so if
22 there is an accident and one of the field teams
23 needs to have help in D-CON they can do that, or
24 the accident actually impacts some of the NASA
25 workers, we'll be able to do that. There's also

1 two couriers with NASA who run samples offsite or
2 onsite to the laboratories, if necessary. Five-
3 person regular D-CON teams who can do
4 decontamination of equipment, not necessarily
5 medical. So there's a large number of different
6 teams that are actually working on this, as well
7 as those 30 ECAMs.

8 MR. FUTCH: You didn't tell them the best
9 part, when we're all supposed to be there.

10 MR. WILLIAMSON: You know, I'll think I'll
11 actually get into that. Some of the contingency
12 planning that we've actually done. I I
13 mentioned the first meeting was in late 2006. I
14 think I've been through at least 11 meetings. I
15 think I'm actually missing one; I just can't
16 figure out when it was. It just all sort of runs
17 together. We had pre-meetings where we decided
18 the best way to set up our contingency planning
19 and we had five different contingency planning
20 meetings. We've done additional training. Then
21 we have one, two, three, four -- we have five
22 additional days of training before the actual
23 launch day, and then on Black Friday is the
24 opening of the launch window. So while everybody
25 else is out shopping for Christmas bargains, we're

1 going to be there at 6:00 in the morning getting
2 ready to send something up.

3 DR. SCHENKMAN: We're proud to know you.

4 MR. FUTCH: We will be there.

5 I mentioned the ECAM. This is an ECAM,
6 okay. You can see 30 of them all set up over at
7 NASA. They were running them for three weeks to
8 make sure that every single one of them was
9 operational. They had their satellite uplinks
10 packed. Some of these date back to the Pluto New
11 Horizons Mission. They've been updated with the
12 software and firmware, but it is a fairly well known
13 system. They've also ended up using them over at Los
14 Alamos National Labs when some of the fires took
15 place earlier this summer to do monitoring for
16 health contamination. Los Alamos had a lot of --
17 it was a weapons production factory and they
18 didn't always care what they did with their waste
19 in previous years, so a lot of the scrub brush out
20 there, like the sage brush, actually has uptake
21 radioactive materials, so when it burns it makes
22 radioactive particulate. So they sample the air
23 there when they have big fires.

24 DR. ATHERTON: So these are going to be
25 placed around the country during the launch in

1 case there's --

2 MR. WILLIAMSON: Around Brevard County or
3 Volusia.

4 DR. ATHERTON: In case there's a --

5 DR. SCHENKMAN: An anomaly.

6 DR. ATHERTON: Then they'll be there to
7 detect the level? Okay.

8 MR. WILLIAMSON: Yes. It's like a person
9 standing there breathing it in at twice the normal
10 rate --

11 DR. ATHERTON: At first I thought they were
12 going to be on the shuttle or the rover going to
13 Mars, but now --

14 MR. WILLIAMSON: Every single one of them has
15 a number of different things. They have a
16 satellite uplink. They also have a point to point
17 IP, so they also put them where they can do a
18 direct link to a repeater, and then do radio
19 communications back to NASA. So they've got at
20 least two and I think they also were even looking
21 whether they would use cell phones, so they have
22 multiple redundant ways of communicating back.

23 MR. FUTCH: Notice the high tech anchoring
24 system.

25 DR. ATHERTON: When was the first time that

1 these were used?

2 MR. WILLIAMSON: They were used with Pluto
3 New Horizons as well, not as many of them.

4 DR. ATHERTON: So now it's the standard that
5 these are used?

6 MR. WILLIAMSON: It appears that they're
7 going to be --

8 MS. BONANNO: That displays radioactivity on
9 board.

10 MR. WILLIAMSON: Previously, when we did
11 monitoring you had to take an air sample and you
12 had to take the air sample off and you had to
13 count there and then after you count you had to
14 rush it back to a laboratory. These do all that
15 for you and they do it in 15 minutes. It's just
16 they tend to be kind of expensive to have sitting
17 around.

18 MS. BONANNO: I could see a really cool movie
19 about all this, you know.

20 MR. WILLIAMSON: One guy sits and watches all
21 of those ECAMS. This is Steve Holman. He's the
22 senior scientific advisor for NASA. He works at
23 Lawrence Livermore National Labs out in
24 California. He's one of the guys who's so scary
25 smart it's hard to talk to him at times. He's

1 also very approachable which is nice, but on the
2 screen here you see most of them are agreeing;
3 when they actually reach a level of alert which is
4 above that DAC-hour sensitivity, they start
5 turning colors. He's the guy -- he's worked with
6 Canberra who's the manufacturer of the ECAMS.
7 Canberra as the manufacturer is actually going to
8 have a team onsite who can go out and run trouble
9 shooting if we have one of the ECAM's go down to
10 make sure that we have as many as possible up and
11 working before the launch.

12 We had mobile classroom training back in
13 late March where they actually went through and
14 showed the field teams what they're going to be
15 doing and learned how to set up an ECAM.
16 Somewhere in there is a picture of James.

17 MR. FUTCH: I'm underneath the smudgy thumb
18 print in the middle of the picture.

19 MR. WILLIAMSON: They went out and practiced
20 setting one up so they know how to do it. They'll
21 be running the mobile systems, of course.

22 MR. FUTCH: That came in handy with that
23 satellite alignment when I had Direct-TV
24 installed. I thought we had fancy equipment; you
25 ought to see those guys' signal meters when they

1 hook up a dish.

2 MS. BONANNO: Are these going to be in public
3 places just around or no?

4 MR. WILLIAMSON: The majority -- 26 of them,
5 well, the ones onsite are easy. That's nine of
6 them because they have controllers onsite. The
7 offsite ones are generally located at fire
8 stations. They already have security and power.

9 But the mobile ones we'll be setting up, I
10 don't know whether they're using -- actually, they
11 can't all be fire stations. They go set those up
12 wherever they have to. That's the idea is that
13 they'll, you know, it will be a single ECAM in the
14 back of the truck. They'll go set it up and then
15 they'll be able to go run for cover and
16 then get there in a very short amount of time.

17 What they also did, the RAMS is a DOE-run
18 database. I can't remember what it's called now.
19 I have it on one of the later slides where they
20 actually -- they can collect information on the
21 readings in the field then they can use a tablet,
22 a GPS-enabled tablet that has multiple forms of
23 communications back, so it automatically relays
24 the kind of information they collected in the
25 field back to a database so they can then check it

1 in the RAD's you see and then start seeing where
2 you're seeing high areas come in.

3 The RAM's MPCD is a multi-path communication
4 device. It's another DOE item and uses -- this is
5 a satellite dome here. It uses three separate
6 means of communication. It can use a satellite
7 dome, it also has cellular, and it also has a
8 wide area network. So whatever area network
9 by the wireless, so whatever it defaults, whatever
10 there, and then it just keeps moving up. If it
11 doesn't have the wireless then it goes up to -- if
12 it doesn't have computer wire or network wires,
13 then it goes up to cell phone. If it doesn't have
14 cell phone then it goes to satellite.

15 You were asking where the stations, where
16 these are going to be set up. If you look at this
17 map here, it's not a really great picture of it,
18 but you could see all the different locations
19 they're going to have pre-deployed ECAMs and air
20 monitoring systems.

21 DR. ATHERTON: And these have been deployed
22 before the launches, have there ever been any
23 abnormal readings before the launch?

24 MR. WILLIAMSON: No, this is one of the great
25 things about Plutonium. The background levels of

1 Plutonium are almost zero.

2 DR. ATHERTON: That was my question.

3 MR. WILLIAMSON: Yeah. So if you see
4 something, there's something seriously wrong going
5 on. And that's one of the great things --

6 DR. ATHERTON: And they've all been tested?

7 MR. WILLIAMSON: Yeah, they've all been
8 tested.

9 The other thing that's really great, because
10 the background is zero, that's what gives you the
11 ability to detect a DAC hour at 15 minutes. You
12 know from doing counting of anything that if
13 your background is very small it's easy to see any
14 signal, so that's one of the nice things about
15 working with Plutonium.

16 There's bad things about working with
17 Plutonium, but that's one of the nice things about
18 it.

19 NASA went out and bought a whole bunch of
20 new equipment enough to run all 16 of their field
21 teams and then have back-ups for each one of
22 those. They bought FIDLERS, that's a field
23 ionization detector for low energy radiation.
24 It's essentially a really big sodium iodide that's
25 really thin so it can see with low energy stuff.

1 Plutonium, you typically are looking at the peaks
2 at like 17 KEV, which is a fairly low energy case.
3 So you need a really thin detector. They also
4 have alpha meters because of course

5 Plutonium obviously has alpha and then radiogen
6 which are the Canberra meter that can take a
7 whole bunch of different probes. So they bought a
8 whole bunch of those. They updated some of the
9 ECAM's.

10 I mentioned that they had loaned ECAM's out
11 to DOE for the Los Alamos fires, but you see some
12 of that equipment here. This is a FIDLER here,
13 okay. It's got a little stand with it and this is
14 the field energy that's active for low energy
15 radiation. This is how -- if you have to walk
16 around and detect where you might have a spill of
17 alpha, you're going to be carrying the FIDLER
18 walking around very slowly hoping that you're
19 going to be able to get those radiations to the
20 bottom of that detector. The only problem about
21 FIDLERS is that because they have such a thin
22 window if you set them down on a rock or
23 something, you probably just punched a hole in it
24 and that's a \$6,000 detector you just ruined.

25 We had on August 30th, we had the Department

1 of Energy come down to our facility in Orlando and
2 they provided field team multi path communication
3 device training to the NASA people and also each
4 one of our personnel, who is going to serve on a
5 field team, and part of the field team training
6 obviously has to do with learning how to use the
7 equipment. But it's also just as simple as
8 learning how to collect various types of
9 environmental samples. We know we will be
10 collecting vegetation, food crops, things like
11 that, as well as soil; and there are specific
12 protocols that you would use to collect these
13 types of samples to make sure that when you take
14 them to the laboratory that you can analyze them
15 and know what the answers are correctly. So the
16 guy in the blue are typically the DOE people,
17 except for this guy right here, who seems to be in
18 all the pictures.

19 DR. SCHENKMAN: Camera hog guy, yeah.

20 MR. WILLIAMSON: Learning how to collect
21 vegetation here. This is talking about using some
22 of the GPS equipment, I believe.

23 You asked about the training for the month
24 of November. Okay. Not only are they going to
25 ruin our Thanksgiving holiday, but for some of our

1 personnel they'll be traveling on Thanksgiving to
2 be here, but our friends from the DOE will be
3 arriving on the 8th of November and they won't be
4 leaving until it goes up. The 8th is the travel
5 day, the 9th is we're starting to get fitted for
6 respirators, and then we actually start our
7 training on the 10th.

8 Now does anybody remember what November 11th
9 is? It's a holiday for most of us, although those
10 who volunteered to work this, it's not a holiday.
11 We're all going to be working as well as on
12 Saturday; and Sunday we're actually having a full
13 deployment drill. Then on Sunday night or
14 probably Monday morning State people get to go
15 back home and rest, but the DOE people, they're
16 actually taking the MMRTG and they're
17 integrating it with the spacecraft. So the DOE
18 has to have field teams on standby the entire time
19 before it goes up. So the DOE people get to spend
20 pretty much the whole month of November here.

21 MR. FUTCH: So it's out on the pad from the
22 the 15th or 16th?

23 MR. WILLIAMSON: Then the opening of the
24 launch is the Black Friday and extends until, I
25 think, December 17th so it's possible that we
26 could be waiting around until December 17th. We

1 hope not because Janet's -- she's thinking of the
2 money, too.

3 The worst case scenario is that it goes up
4 and it comes right back down, then we're never
5 going to leave. Then not only did we lose those
6 two holidays, but we lose Christmas and New Year's
7 and Martin Luther King and everything else
8 afterwards.

9 I actually -- NASA provided some of the
10 pictures at the end of MMRTG actually arriving
11 onsite at NASA. These are REM balls, they're
12 neutron detectors. This is the actual shielding
13 around the RTG when it came in and it came in one
14 of the DOE's -- I think they call it the SST or
15 something safe transport. It's their armored
16 vehicle that they use to transport very sensitive
17 material. The great thing about these particular
18 trucks are they have deterrents built into them so
19 that if somebody tries to break into them the
20 truck actually can get them.

21 DR. ATHERTON: Where does it come from?
22 Where do they store this?

23 MR. WILLIAMSON: That was made -- I believe
24 it was made in Idaho National Labs. Ironically,
25 and I can't resist this, the material for the RTG

1 is from the former Soviet Union, sometimes known
2 as FSU.

3 A picture the side of the truck opening up
4 and using just a big forklift, taking it inside
5 the facility, doing additional surveys on it.
6 They're actually starting to pull the cover off
7 and that's it. That's the RTG right there. The
8 fit check, they actually took it and took it over
9 to the facility where they're actually going to
10 make sure that it actually fit and that all the
11 connections fit as well, make sure that it will
12 actually power up the rover. Once again, you can
13 see in the clean room, the RTG itself, then of
14 course they're using survey equipment the whole
15 time.

16 This is the actual spacecraft. We saw that
17 earlier. Here's the heat shield, this is the back
18 shell. When they put the RTG -- this is now -- I
19 think this will be made together. When they
20 actually have to work on the RTG, they have to
21 work through this tiny little window here after
22 it's assembled. So if they have to do additional
23 work on them, they don't want to split the
24 spacecraft apart, they go through there.

25 DR. SCHENKMAN: And it already has the

1 radioactivity in it?

2 MR. WILLIAMSON: Yeah, the RTG is loaded.
3 They've actually got it hooked up to an electrical
4 cooling apparatus to pull the heat off. It's like
5 anything else; if you don't remove the heat you
6 could damage it.

7 This is the spacecraft again. This is a
8 rover. This is one of those lights you can buy at
9 Home Depot. You can see the size of the rover;
10 it's actually a fairly large item there. The RAD
11 CC, that's the Radiation Control Center. This is
12 the command center for the radiation emergency
13 contingency planning and operations during the
14 launch. NASA went through and they re-did it all.
15 This area here is where all the big shots get to
16 sit and then this area is where the rest of the
17 little guys get to sit. You know, the ones who
18 actually do something. This is a conference table
19 where the little guys tell the big guys what the
20 maps actually mean.

21 MR. FUTCH: This is where John will be.

22 MR. WILLIAMSON: Yeah, that's where I'll be.
23 I get to watch out -- actually, these windows
24 right here, my desk is the third one down, and
25 these are the windows and I get to turn around and

1 watch the launch going up. That's the one benefit
2 of what I get to do.

3 Then, of course, the whole point of the
4 whole thing is a successful launch. That's Pluto
5 New Horizons.

6 MR. FUTCH: Is that where Space X built their
7 launchpad or close to there?

8 MR. WILLIAMSON: I don't know.

9 (Applause.)

10 DR. SCHENKMAN: That's great. Does anybody
11 have any questions for him?

12 MR. FUTCH: So if the news media calls and
13 they want to know how concerned we are in Florida,
14 we can all say you've received the instructions on
15 how well prepared we all are for why this is not
16 going to happen.

17 DR. SCHENKMAN: What happens to it however
18 many years from now? It just stays on Mars?

19 MR. WILLIAMSON: It'll move around and get
20 the Martians.

21 MR. FUTCH: Yeah, unless they throw it back
22 at us it's going to stay there.

23 MR. WILLIAMSON: If any of you guys saw the
24 first Transformers movie, they had transformers --
25 the decepticons stomp people they built a laser to

1 get rid of that guy.

2 MR. FUTCH: It really does have its own --
3 I'm kidding when I say it's laser weaponry, but
4 all the scientific instruments are designed like
5 John said to figure out if there's water and
6 perhaps life. So when it's driving around, it can
7 take a core sample from a rock, go up there, or
8 something else, soil, and bring it on board; but
9 to figure out if it wants to do that it's got the
10 laser. It can use a laser, for example, from
11 across the room to vaporize a little bit of the
12 rock and look at the gasses coming off and decide
13 whether or not it's an interesting enough rock to
14 go actually take sample from. So it's got a Class
15 4 laser on it, which is laser weaponry in my book.
16 I don't know about you.

17 DR. SCHENKMAN: Thank you so much.

18 MR. WILLIAMSON: You're welcome.

19 DR. SCHENKMAN: Okay. Are we going on to
20 radioactive materials update?

21 MR. FUTCH: Yes.

22 MR. PASSETTI: Yeah, John and I are going to
23 give you a little presentation or information on
24 an interesting situation we've been dealing with
25 in the last few months in the nuclear medicine

1 area. About -- I can't remember when exactly it
2 was, but we got a call at the office in April
3 2011, customs and border patrol between the border
4 of the United States and Canada, they have
5 radiation detectors there and some people were
6 going through and set off the radiation detectors.
7 The first one -- after doing some evaluation and
8 some isotope identification, they determined it
9 was strontium. They did some more research,
10 talked to the people, and they determined that
11 they had a PET scan a few months earlier so they
12 started looking into that.

13 And a few weeks later, they had another
14 patient that was going across the border set off
15 the detector. The first one, they called and said
16 they received a heart scan in Florida. The next
17 one, I think the second one -- they saw the same
18 thing and said, yeah, I had a heart scan in Nevada
19 a couple of weeks ago or a couple of months ago.
20 Then a third person came along and they detected
21 it again in a similar situation. Yeah, I had a
22 PET scan a few months ago.

23 So we started looking into it and it kind of
24 developed from there. Most of you, most of the
25 people here are familiar with nuclear medicine but

1 just a little bit of a background. The radio
2 isotopes they use in nuclear medicine typically or
3 most of the time come from -- it's produced for
4 what's called a generator and it's a device that
5 has a column of an isotope in it and it's called
6 the parent isotope. When that decays, usually it
7 decays to a daughter isotope that has a short
8 half-life, and that's what they use -- they take
9 the daughter out of the generator, they inject
10 that into the patient and do their imaging with
11 nuclear medicine. So you have a parent, that
12 decays, along with the parent it decays to the
13 daughter, short-lived it's used in the patient.
14 Typically, you'll hear of molybdenum technetium
15 generators. That's what you see in 90% of the
16 cases. But there's also a generator that they use
17 in patent imaging and that's what this generator
18 was; it's called a strontium rubidium generator.

19 So the long-lived column is strontium, it
20 decays to rubidium, and they inject that into the
21 patient to do heart studies with.

22 Now with these generators there's always the
23 potential that that long-lived isotope that is the
24 column that's decaying can do what they call break
25 through and come out with the short-lived isotope.

1 So in nuclear medicine facilities every day before
2 they administer an isotope they do a breakthrough
3 test. So, you know, on molybdenum technetium
4 generators they do what they call a moley
5 breakthrough test to make sure there's not too
6 much of a longer-lived isotope in there. They do
7 the same with this strontium rubidium generator.
8 They want to make sure there's very little
9 strontium breaking through.

10 So when they started detecting fairly high
11 amounts of strontium in these patients crossing
12 the border and they found out they had heart
13 scans, the questions started coming up. Well,
14 obviously, there's been some breakthrough with
15 these generators that's getting into the patients.
16 So a number of things happened.

17 The FDA got involved. Of course, one
18 concern is, is the generator working properly? I
19 think they were first manufactured 20 years ago?

20 MS. BONANNO: Twenty-two years ago.

21 MR. PASSETTI: Twenty-two years ago. So has
22 there been a change in the manufacturing? Is
23 there a change in use? Are they using it a lot
24 more often than they used to? You know, obviously
25 there's some breakthrough getting through. Of

1 course, the other question is if the facilities
2 are doing breakthrough tests, every morning before
3 they put this into the patient, they should be
4 detecting the breakthrough and not giving it to
5 the patient. So all these questions came up.

6 The first thing that happened was FDA
7 recalled the generators across the state -- across
8 the world, nationwide and internationally. They
9 recalled the generators and started doing an
10 investigation. So I think we had 30 facilities in
11 Florida that were licensed to use this generator
12 and knowing that two of the patients crossing the
13 border had scans in Florida, you know, we were a
14 little concerned. So out of the 30, we sent
15 inspectors out and did inspections at 21 of the
16 facilities just to see what we could find out.

17 At the request of the FDA, you know, they
18 asked us to assist them because they're looking at
19 the generator. They're doing tests on the
20 generator to see if they can find any problems
21 with the generator, but they wanted us to look at
22 the use of the generator, so we visited 21
23 facilities and behind, let's see, Tab F there's a
24 two-page summary of kind of what we found in our
25 21 inspections, and under "Findings" I'm just

1 going to briefly give you just a brief overview at
2 the first bullet there.

3 At nine of the facilities when we did the
4 inspections we were recording zero values for the
5 breakthrough test, which tell us immediately that
6 they probably weren't doing the test properly
7 because you should see something. They were just
8 documenting all zeros. So right off nine of the
9 facilities from our inspection appeared to us that
10 they weren't doing the test properly.

11 Then we had 12 facilities that were doing
12 the breakthrough test correctly for a majority of
13 the time, and we were also looking at the type of
14 dose calibrator they were using. About 12 of the
15 facilities were doing it properly. Of those, five
16 facilities detected strontium over the
17 breakthrough level but still went ahead and used
18 it on the patient, anyway.

19 We also had three facilities -- there were
20 several facilities that recorded at the
21 breakthrough level or above and didn't report it,
22 which is a requirement to report it to us. So we
23 had a number of facilities that did it properly,
24 were over the limit and they didn't report it.

25 A number of the facilities reported the

1 breakthrough to the manufacturer but again didn't
2 report it to us, so it wasn't looked in to by us.

3 Then there were 18 facilities that -- the
4 manufacturer recommends that if you get to one-
5 tenth of the breakthrough level you should repeat
6 the procedure before you administer it to the
7 patient. We found -- let's see, in 18 of the
8 facilities out of the 21 had days where they were
9 above the one-tenth of the limit and they did not
10 repeat the test. So it's a little concerning what
11 we found out of the 21 facilities; quite a number
12 of them were not doing the test properly or were
13 doing it properly and it didn't slow them down,
14 they were doing patients, anyway.

15 Just as an aside, the last bullet there kind
16 of gives you an idea of the patient throughput,
17 five of the licensees are doing 200 or more
18 patients a month for, as you can see there; so
19 there's some concern, I think, too, that the
20 generators are being used more often. They're being
21 polluted more often than they normally were. So
22 we're still in the middle of the investigation, but
23 John's going to cover the second part. The FDA
24 asked the CDC to do what they call an epi-aid
25 basically to kind of look at what kind of scope

1 there is to this nationwide. You know, how many
2 of these things are failing, how many patients
3 were over-exposed from strontium, kind of the
4 scope of the issue.

5 So there's a number of states working
6 together. They're calling patients back in that
7 had the scan between a certain time frame and
8 we're looking to see if they have strontium in
9 their systems.

10 MR. FUTCH: Still?

11 MR. PASSETTI: Still, and a lot of these
12 scans were done like in February. So here we are
13 in October. We're still seeing strontium.

14 MR. SEDDON: What's the half-life of
15 strontium?

16 COUNCIL MEMBER: It's 120 days.

17 MR. PASSETTI: No, it's 64 days. Strontium-
18 85 is 64 days; strontium-82 which is the daughter
19 is 20 or 25 days. And the rubidium that they use
20 in the heart scan is 75 seconds?

21 DR. SCHENKMAN: Seventy-five seconds.

22 MS. BONANNO: No, you elude the generator
23 directly and the patient --

24 MR. WILLIAMSON: This is actually a
25 picture of the fusion device. You can't see it,

1 but actually it does have tubes in it. You hook
2 it directly up to the patient, with a 75-second half-
3 life obviously you're not going to bother to do
4 anything else on them, 22 years of use. The
5 letter from BRACCO recalling them.

6 They actually asked all of the licensees to
7 send their generators to Los Alamos National Labs
8 for testing. Thus far, Los Alamos has not been
9 able to duplicate the breakthroughs that were
10 discovered. What this means, it really makes it
11 even more interesting is it's possible that it's
12 not the generator but what you put into it to get
13 the stuff out. The problem is if you're looking
14 at the ionic solutions because obviously it uses a
15 saline rinse, and I don't know who makes the
16 saline rinse. Do they allow anyone or do you have
17 to buy it from BRACCO? Does BRACCO have samples
18 of the saline?

19 MS. BONANNO: No, they use whatever normal
20 saline that they have there in their facilities.

21 MR. WILLIAMSON: Okay, is the normal saline
22 higher in salt concentration and that's what
23 stripped it off. There's an awful lot of
24 variables that you can have on this. These are
25 generally -- the parent is cross-linked to a

1 column. If you put too high a concentration
2 on it, it can start to strip the it off.

3

4 The letters from BRACCO to their patients
5 explaining everything that went on. In general,
6 I'd say BRACCO seems to be somewhat on board
7 towards letting people know. Sometimes I think
8 that they're convinced the best means is to delay
9 it as long as possible knowing that this stuff is
10 radioactive and has a half-life and eventually
11 won't be detected anyhow.

12 Short timeline. January to July, 2011.
13 That alludes to the patients. We know that two of
14 them testified to custom and border protection
15 were from the same facility in Florida in
16 Sarasota, another one from Nevada.

17 DR. ATHERTON: The same facility?

18 MR. PASETTI: Two of them from Sarasota at
19 the same facility. Not only the same facility,
20 but almost the same day, the same time frame.

21 June 2011. There were some in April and
22 some in June. Patients stopped at the US border
23 crossing in Canada due to high levels of radiation
24 detected, two and four months. April was the two,
25 June was that one. Four months after this

1 individual's scan, obviously if you're finding
2 something put in for a PET scan four months later,
3 something went wrong. They did whole body scans
4 at Oak Ridge National Labs, the strontium isotopes
5 were still there. The indexed patient from the
6 Nevada graded out at 4.9 REM the whole body
7 scan for what his initial dose would have been.
8 The Florida patients were less than that.

9 There's another patient in Nevada using the
10 same instruments that they used for the initial
11 detection and germanium portable detector,
12 based on a comparison of that value to the other
13 value, he could have as high as a 12 REM of
14 exposure. You're still not talking about things
15 there are that are probably going to -- you're not
16 going to see any acute -- someone was talking
17 about long term risk from cancer, most severe, and
18 as we found from the majority of the people that
19 we looked at, when you start getting a heart scan
20 in general you tend to be a little bit older. We
21 tell them 10 to 20 years and most of them are,
22 like, well, I'm not going to be here in 10 to 20
23 years anyhow.

24 But any time you give somebody more
25 radiation than they were supposed to get, there's

1 kind of a question mark.

2 July 25th, voluntary recall at BRACCO, the
3 cardio-82 generators. In late August the FDA
4 requested studies from the Center for Disease
5 Control. The Center for Disease Control went to
6 the states where they had good working
7 relationships.

8 We did a population exercise with them
9 earlier this summer, they came to us first to see
10 if we could actually do an FDA study. We contact
11 patients from facilities in the state of Florida
12 and had a look at them.

13 Nevada had already been doing one on their
14 own, so we were the second state to do it. In
15 early September, CDC requested our assistance, we
16 started working back and forth trying to find the
17 right protocol, we got who were going to go with.
18 But late September, the first week of October, we
19 actually started making the phone calls, setting
20 up the patients, and the first week of October the
21 3rd through 6th, we had three practices in the
22 Orlando area. We actually did surveys of 123
23 patients in the Orlando area.

24 Sarasota we wanted to do, but because BRACCO
25 was already doing Sarasota, CDC made the

1 determination that trying to bring the same person
2 in for an additional study probably was going to
3 be problematic. We do have some concerns about
4 BRACCO's method; we chose to do a 10 minute count
5 using an isotope identifier. We're not quite sure
6 what BRACCO's protocol is. Theirs was -- they
7 count you using a GM detector. If you're more
8 than twice background then they send you to a --
9 RIID or gamma radioisotope identifier to identify.
10 How long are they counting the GM detector? We
11 counted everybody for 10 minutes no matter what.

12 This is what the set-up is. What we have
13 here is a portable intrinsic germanium detector.
14 This is a very, very high resolution detector and
15 also a very, very high priced detector even for
16 medical equipment; that's about \$75,000 for that
17 detector. We strapped it down to the table
18 because we didn't want to bounce off the floor.
19 We had it hooked up to a laptop computer, we have
20 it set for a 10 minute count. We have somebody
21 come in, the study participant comes in; they sit
22 down facing it and they simply roll the chair up
23 and the detector is as close as possible to their
24 chest. Oh, look who our victim is.

25 MR. FUTCH: I want you to know, I asked

1 your staff to sit there while I took the picture,
2 they refused. The only reason you've got a
3 picture of a pseudo patient is because I sat there.

4 MR. WILLIAMSON: We obviously weren't going
5 to take pictures of any of the real patients for
6 privacy, but basically they just sit there. We
7 try to make them as comfortable as possible. They
8 just have to sit there for 10 minutes.

9 DR. ATHERTON: So the strontium deposits in
10 the heart mostly or liver or where?

11 MR. PASSETTI: Bones.

12 MR. FUTCH: Bones.

13 MR. PASSETTI: This is supposed to be -- I
14 guess you can't see it on the screen, but the
15 center line there is where you see strontium-85
16 and there's actually a peak there of about 600
17 counts of strontium-85 of one of the people that
18 we counted. For the background we used some of
19 our staff and we also had 123 people go through
20 and we had five people who were twice backgrounds,
21 so we had a good selection of what a background
22 looks like for somebody who serves none. The
23 background is about 50 counts in a 10 minute
24 section, so this person was about 620 counts. So
25 you figure about 12 times what the normal

1 background is for somebody. Now the big question
2 is, when did they have the test?

3 I got the data today. I think this person
4 had the test in early March. So here we're
5 sitting on October 3rd, they had the test on March
6 3rd, five months, strontium -- obviously, they got
7 something they weren't supposed to.

8 DR. SCHENKMAN: Were these facilities that
9 the patients came from, were there more patients
10 from facilities that did higher numbers of scans?

11 MR. WILLIAMSON: Not necessarily. On these,
12 they chose three facilities in the Orlando area to
13 expedite the process because the environmental lab
14 was located in the Orlando area. Now all these
15 practices tend to do large volumes of patients. I
16 believe that the Florida one was doing 200 to 300
17 -- each one of those was 200 to 300 patients a
18 month. If you look at a six month period where
19 those generators were used, you know, 1200
20 patients per practice. Thirty-one practices in
21 the state of Florida, you know, maybe as many as
22 35,000 people. It would have been nice to have
23 thought that the Sarasota facility was the only one
24 that was going to have any issues, and we see at
25 least some issues in another facility, at least one

1 other facility. I don't know which one of the
2 three facilities that we have.

3 DR. ATHERTON: And out of the -- how many did
4 you say?

5 MR. WILLIAMSON: One hundred twenty-three.

6 DR. ATHERTON: Out of the 123, how many did
7 you find?

8 MR. WILLIAMSON: Five with twice background.

9 DR. ATHERTON: But you expect that to be
10 zero?

11 MR. WILLIAMSON: Yes.

12 MR. FUTCH: CDC decided how many patients per
13 state for the study, and then theoretically will
14 have some sort of an idea based on the results of
15 this whether or not it's really widespread around
16 the country.

17 MR. PASSETTI: We're still in the middle of
18 it and that's what we know here today. Maybe the
19 next meeting we'll have a little more information.

20 DR. SCHENKMAN: Okay. Thank you very much.

21 So what do we have next?

22 MR. FUTCH: The last thing.

23 DR. SCHENKMAN: Well, we have a request for
24 reviewers.

25 MR. FUTCH: That's it. This is, if you turn

1 to Tab G, you may recall we have a basic x-ray
2 machine operator category of licensure in Florida,
3 and the education required for the basic x-ray
4 machine operator before they sit for the state
5 exam is a self-review of the State's study guide.
6 A number of years ago with some assistance from
7 the Council and specific Council members, we
8 actually changed from a study guide the State had
9 produced back in the 1980s to the one you see in
10 your Tab G which is a commercial textbook
11 published by Elsevier called Radiography
12 Essentials, 4th Edition. It's currently
13 in its third edition, and this book is used around
14 the nation by different facilities in states to
15 help the basic operator prepare for the ARRT
16 limited scope exam. All the states purchase these
17 for the ARRT limited scope exam that have state
18 level licensure.

19 Long story short, they're working on the 4th
20 edition of this book and we had a request first
21 from Elsevier and then directly from one of the
22 authors of the textbook, Eugene Frank, to see if
23 any of our folks would like to participate in
24 reviewing the 4th edition of the textbook this
25 time around. Last time I think it was --

1 MS. DROTAR: Myself and Tim and --

2 MR. FUTCH: Dr. Armstrong?

3 MS. DROTAR: Yes.

4 MR. FUTCH: I've already talked to Tim about
5 it and he mentioned that he would like to
6 participate again. I think -- and I haven't
7 talked to -- I thought everybody would be here, so
8 it didn't work out that way. So I'm going to pass
9 along Tim and Kathy's name and I guess contact Dr.
10 Armstrong and ask him if he wants to participate
11 again.

12 And that was very useful because Tim and
13 Kathy and Dr. Armstrong are still involved with
14 schools, so it's particularly useful for Gene
15 Frank and the rest of them to get that input. So
16 that was a quick one. I don't think there are any
17 questions, are there?

18 All right.

19 DR. SCHENKMAN: Okay. Any council member
20 issues? Anybody have anything they want to talk
21 about? No?

22 MR. SEDDON: I have one. It's for the
23 authorized user preceptorship requirements under
24 the revision to chapter 6. The current
25 requirements for authorized users that they have,

1 the preceptor signs off on their credentialing
2 whether they are ABR certified or whatever their
3 certification is. I know that the ACMUI recently
4 changed that or is in the process of changing,
5 they recommend that that be changed under the C
6 regulations, and I'm wondering are we looking at
7 doing something similar here in Florida?

8 MR. PASSETTI: For not requiring to have --

9 MR. SEDDON: Not requiring to have a
10 preceptor statement signed off. The problem has
11 been --

12 MR. PASSETTI: Oh, when they're board
13 certified.

14 MR. SEDDON: Yes, so they're board certified
15 and do we still require them under the new rules,
16 they're required to have a preceptor sign off that
17 they are board certified. The argument is that
18 who exactly would that person be to go back to
19 somebody from the residency program or who exactly
20 is qualified to sign off that they are certified?
21 And the -- I know from the NRC's advisory council
22 point that if they're already certified they
23 already had to have statements signed by their
24 program.

25 MR. PASSETTI: I think we got in trouble with

1 the NRC because we went ahead and adopted that
2 rule before they did. So I need to go back and
3 double-check on that, but I think we moved forward
4 or are going to move forward with it even before
5 NRC does. So I think we'll be in good shape, but
6 let me check with Paul on that to be sure.

7 MR. SEDDON: Okay, because that's an issue --

8 MR. PASSETTI: Yeah, it doesn't make a lot of
9 sense.

10 DR. SCHENKMAN: Any other issues?

11 MS. DROTAR: Just a point of information. The
12 ARRT for radiography, the content specifications
13 are changing; starting January of 2012, they get
14 implemented. So what it's going to affect are the
15 competency requirements based on the standard of
16 practice, so it's not -- I think programs are
17 going to be making changes to the curriculum to
18 adjust for that. But because of the types of
19 exams that we're doing that where barium enema and
20 GI were mandatory now only one of them is. You
21 have to do one or the other because they're not
22 done as frequently as others.

23 MR. FUTCH: Okay. I think --

24 DR. SCHENKMAN: Betsy, do you have an MQA
25 update?

1 MS. HINES: Vicki Grant, who's been our
2 executive director for the last four or five
3 years, is retiring at the end of January. And DDC
4 -- drugs, devices, and cosmetics -- has moved from
5 MQA back over to DBPR which left a very small
6 office of pharmacy so they have physically moved
7 the eight of us --

8 MS. CURRY: No, there's 11.

9 MS. HINES: -- whatever, over so that we are
10 under a new executive director, Mark Whitten, who
11 could not come this time. He is at a pharmacy
12 meeting. We've been there about two weeks.

13 Vicki still works for the Department but
14 she's doing lots of annual leave. She has like
15 15 more days to work between now and the end of
16 January, so she's not working with us directly at
17 all. So the Rad tech crew and the EMT paramedic
18 crew came with us. We have half of an employee
19 that did medical physicists that came to us from
20 the board office that has chiro and chemical labs
21 and she has moved back under that. So if anybody
22 has a need for anything that has to do with
23 medical physicists then they would be found there.
24 We could lead you to them. If you need to call
25 me, I could get you over there. They're really

1 right across like a hall from us. That's it for
2 now.

3 MR. FUTCH: Betsey, do you know if they
4 updated any of this on the website yet?

5 MS. HINES: Yeah, it's updated -- I don't
6 know if we updated our website yet. I bet we have
7 not yet.

8 Our phone numbers have not changed.

9 DR. SCHENKMAN: That's good. Just everything
10 else.

11 MS. HINES: All our moves we've made the last
12 six years, our phone numbers have not changed.

13 MS. CURRY: I just wanted to let you know
14 that our online applications are going really,
15 really well; and Kathy and a group of her students
16 came and did testing when we were fixing to go put
17 that online. So they were really very valuable to
18 us in testing that for us, but right now our
19 online applications we're getting processed within
20 three to five days from the time we get them in to
21 us. The only reason we can't get them down to one
22 day is because the money doesn't post.

23 But if the money posted we would be at one
24 to two days on applications where it used to be 20
25 to 25 days.

1 MS. HINES: Actually, people that apply for
2 the basic x-ray machine operator and have no
3 criminal history in their background, we don't
4 even see them. They're automatically approved
5 which is awesome, which leaves us to be able to
6 handle more complicated applications more easily
7 because they don't have education requirements.
8 They affirm that they've done the four hours of
9 HIV-AIDS. But the online EMTs and paramedics are
10 probably about 60 or 70% of applicants are using
11 the online system the first time.

12 For re-exams, it's not available yet but
13 that's coming. But I think we're only at 25% or
14 30% for Rad techs and I don't know why that it's
15 not issued last for radiologic technologists as it
16 is for some other, and I don't know whether we
17 need to publicize it more -- we put out to the
18 schools.

19 MS. DROTAR: I'm not sure; it's such an easy
20 and quick system to use and I would think maybe
21 part of it might be having -- people just not
22 realizing that it's there and that it's as easy as
23 putting in your credit card number, and it's very
24 easy and user friendly system. It's wonderful.

25 MR. FUTCH: Kathy, do the educators have a

1 society or association with an annual meeting that
2 Betsey or Gail could attend --

3 MS. DROTAR: Not really. I think probably
4 the easiest thing is probably putting a letter in
5 email out to the program directors themselves,
6 maybe a notice on the website where you go in to
7 get the application. It's on there but I think
8 maybe something that's a bigger notice, if you
9 don't have a positive -- if there's not a positive
10 background, when you have a positive background
11 you still need to do the paper one. But the
12 students love it. With the system that we use, we
13 have a credit card that we have for the campus and
14 they just come down one at a time and just put
15 them in. The students just line up and I think
16 the last group we had 15 students and we had them
17 done within half an hour, so it's really quick and
18 easy. So thank you.

19 MR. FUTCH: Okay.

20 MR. SEDDON: Another thing that's come out
21 recently was the Joint Commission
22 alert last month for radiology. Did you guys
23 review that at all? It's a similar event alert
24 that came out from the Joint Commission regarding
25 the use of radiation and radiology excluding

1 therapy, excluding interventional fluoroscopy. It
2 applies to everything else and has, I think, 20-
3 some guidances or recommendations as far as giving
4 you the right dose for the right reason. They
5 have that whole criteria of things that they have
6 in there that they're recommending facilities go
7 through and apply to their -- as far as requiring
8 physics evaluations, procedure reviews.

9 It kind of goes hand in hand with some of
10 the CT stuff that we were working on. I'm still
11 working on that with some folks, but basically
12 similar to what we did with our information notice
13 a year-and-a-half ago. We required procedure
14 reviews, verification of dose, education of staff,
15 things like that. So it's something you probably
16 need to review by next meeting because there are
17 some recommendations to regulatory agencies as
18 well.

19 MR. FUTCH: Okay. I guess I could mention a
20 meeting or two ago I had brought to you an issue
21 about the nuclear medicine techs being told by
22 their facilities that they couldn't administer the
23 interventional or any non-radioactive
24 pharmaceuticals even if they were used in
25 procedures. I took you through a fairly detailed

1 and exhaustive list of what the Society of Nuclear
2 Medicine said, what the two big registries tested
3 for on their exams, and showed you the list of
4 pharmaceuticals and got a recommendation from the
5 Council that in fact the use of those drugs is
6 considered to be part of the practice of nuclear
7 medicine in Florida, and I've actually used that a
8 few times in that motion for everybody in the case
9 of a couple of facilities who were doing that with
10 their nuclear med techs. So that helped a great
11 deal and I wanted to thank you for that.

12 DR. SCHENKMAN: Any other business? Okay.
13 So we have to pick a date for the next meeting.

14 MR. FUTCH: Yeah. So we have May 8th, 15th,
15 22nd. Do we have any society meetings, CRCPD
16 meetings, retirements?

17 MR. PASSETTI: We need to check that because
18 CRCPD's meeting is in Orlando this year.

19 MR. FUTCH: Oh, really?

20 MR. PASSETTI: And it's always in May, so we
21 need to check that. Maybe we can do it the same
22 time.

23 MR. SEDDON: The 7th through the 10th.

24 MR. FUTCH: Okay, the 7th through the 10th.
25 Okay. So we'll skip the 8th. Anyone have a

1 preference for the -- and we don't have the
2 legislature this year interfering with -- because
3 they're not going to be in session in May. So May
4 1st, May 15th, May 22nd.

5 Does anyone have a preference or care one
6 way or the other?

7 MS. DROTAR: No, whatever works.

8 DR. ATHERTON: The 22nd sounds good.

9 MR. FUTCH: Okay. I hear one 22nd and nobody
10 else cares.

11 DR. SCHENKMAN: Does the 22nd work for
12 everybody at least at this point?

13 SEVERAL VOICES: Yes.

14 DR. SCHENKMAN: Okay. So why don't we set it
15 for the 22nd and if anybody has issues when they
16 check when they get home, we can adjust.

17 MR. FUTCH: Do you want to say anything about
18 May of next year?

19 MR. PASSETTI: No.

20 MR. FUTCH: Well, that's it for me.

21 DR. SCHENKMAN: Okay. Thank you all for
22 being here and we are adjourned.

23 * * * * *

24 (Whereupon, the meeting was adjourned at
25 2:55 P.M.)

C E R T I F I C A T E

1 THE STATE OF FLORIDA,)

2 COUNTY OF WAKULLA,)

3 I, Suzette A. Bragg, Court Reporter and
4 Notary Public, State of Florida at Large,

5 DO HEREBY CERTIFY that the above-entitled
6 and numbered cause was heard as herein above set out;
7 that I was authorized to and did transcribe the
8 proceedings of said matter, and that the foregoing and
9 annexed pages, numbered 1 through 140, inclusive,
10 comprise a true and correct transcription of the
11 proceedings in said cause.
12

13 I FURTHER CERTIFY that I am not related to
14 or employed by any of the parties or their counsel, nor
15 have I any financial interest in the outcome of this
16 action.

17 IN WITNESS WHEREOF, I have hereunto
18 subscribed my name and affixed my seal, this ^{31ST} day of
19 October, 2011.
20

21 SUZETTE A. BRAGG, Notary Public
22 State of Florida at Large
My Commission Expires: 2/21/2013

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