

UNITED STATES DEPARTMENT OF AGRICULTURE

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NATIONAL ADVISORY COMMITTEE ON  
MICROBIOLOGICAL CRITERIA FOR FOODS

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PLENARY SESSION

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June 4, 2007  
1:00 p.m.

USDA Cafeteria  
(Conference Room)  
1400 Independence Avenue, S.W.  
Washington, D.C.

CHAIRPERSON: DR. CURT MANN  
Deputy Under Secretary for  
Food Safety, USDA

EXECUTIVE COMMITTEE MEMBERS:

ROBERT E. BRACKETT, Ph.D., Vice-Chairperson  
LEEANNE JACKSON, Ph.D., FDA Liaison  
GERRI RANSOM, MS, Executive Secretary  
KAREN THOMAS-SHARP, Advisory Committee  
Specialist

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## COMMITTEE MEMBERS :

DR. GARY ADES  
DR. SCOTT BROOKS  
DR. PEGGY COOK  
DR. UDAY DESSAI  
DR. DANIEL ENGELJOHN  
DR. TIMOTHY FREIER  
DR. WALT HILL  
DR. MICHAEL JAHNCKE  
DR. JULIE ANN KASE  
LTC ROBIN KING  
DR. STEPHEN KNABEL  
MS. BARBARA KOWALCYK  
DR. JOSEPH MADDEN  
DR. ALEJANDRO MAZZOTTA  
DR. JIANGHONG MENG  
DR. ELI PERENCEVICH  
MS. ANGELA RUPLE  
MS. VIRGINA (JENNY) SCOTT  
DR. ROBERT TAUXE  
DR. IRENE WESLEY

## ALSO PRESENT :

DR. EVELYNE MBANDI, FSIS

## I-N-D-E-X

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*Note: Due to technical difficulty the initial portion of the transcript was reconstructed from speaker notes. The reconstructed portion of text, on pages 4-12, is in italics.*

1 P-R-O-C-E-E-D-I-N-G-S

2

3 DR. MANN: Good Afternoon, I would like to  
4 welcome our members and guests to the first plenary  
5 session of the 2007-2009 National Advisory Committee  
6 on Microbiological Criteria for Foods (NACMCF). I am  
7 Dr. Curt Mann, NACMCF Chair and USDA Deputy Under  
8 Secretary for Food Safety.

9 To my left is our NACMCF Vice-chair Dr. Robert  
10 Brackett, and Director of FDA's, Center for Food  
11 Safety and Applied Nutrition.

12 As I mentioned, today's session is the first  
13 meeting of the full Committee of the 2007-2009  
14 NACMCF. We are at an exciting point with this newly  
15 formed Committee, as new and returning members were  
16 recently appointed by the Secretary of Agriculture  
17 and we will be starting out this term with some new  
18 work charges.

19 Before I go any further, let me say that this  
20 Committee is performing an invaluable service to the  
21 supporting Federal food safety agencies, those being:  
22 the USDA Food Safety and Inspection Service, the HHS  
23 Food and Drug Administration and the Centers for

1 *Disease Control and Prevention, the Department of*  
2 *Commerce, National Marine Fisheries Service, and the*  
3 *Department of Defense, Veterinary Service Activity.*  
4 *NACMCF is providing scientific advice to our Nation's*  
5 *food safety programs. On behalf of the sponsoring*  
6 *agencies, I would like to thank each of you for your*  
7 *willingness to share your valued expertise, and time*  
8 *in support of the activities of the Committee.*

9 *Our previous 2004-2006 NACMCF Committee was very*  
10 *successful and I wanted to make mention of some their*  
11 *completed work.*

12 *The Committee completed the final reports: One:*  
13 *The Analytical Utility of Campylobacter*  
14 *Methodologies, and two: Response to the Questions*  
15 *Posed by FSIS Regarding Consumer Guidelines for the*  
16 *Safe Cooking of Poultry Products. Both these reports*  
17 *can be found on the FSIS website and were published*  
18 *in the Journal of Food Protection. Both reports had*  
19 *immediate and direct application to FSIS program*  
20 *needs.*

21 *The Campylobacter report has been used*  
22 *extensively by our baseline studies design teams to*  
23 *establish methodology for upcoming microbiological*

1 *baseline studies for broilers/young chickens, and*  
2 *turkeys, respectively. This report was used to assist*  
3 *in selecting and validating a Campylobacter testing*  
4 *protocol for these studies, and also for study design*  
5 *issues, including sampling plans. This report will*  
6 *assist future baselines as well.*

7 *The poultry cook report was timely because of*  
8 *the need for FSIS to immediately consider the*  
9 *recommendations in the report related to an ongoing*  
10 *outbreak at that time associated with a raw-breaded*  
11 *poultry product (the product type addressed in the*  
12 *report), and there was also an urgent need for FSIS*  
13 *to convey safe poultry cooking procedures to*  
14 *consumers and industry regarding avian influenza. The*  
15 *Agency also used this report to support new labeling*  
16 *policy for raw breaded chicken products. The*  
17 *report's focus on the need for validated cooking*  
18 *instructions for consumers is critically important*  
19 *information. This report is being used as a resource*  
20 *document for FSIS inspectors as well as industry.*

21 *NACMCF is moving forward, and as I mentioned*  
22 *this Committee will tackle some new work areas. The*  
23 *following subcommittees will be active as this*

1 *Committee term starts up: One: Determination of*  
2 *Cooking Parameters for Safe Seafood for Consumers;*  
3 *two: Assessment of the Food Safety Importance of*  
4 *Mycobacterium avium subspecies paratuberculosis;*  
5 *three: Parameters for Inoculated Pack/Challenge Study*  
6 *Protocols; and four: Determination of the Most*  
7 *Appropriate Technologies for the FSIS to Adopt in*  
8 *Performing Routine and Baseline Microbiological*  
9 *Analyses.*

10 *As you are aware, the seafood cook subcommittee*  
11 *has been an on-going workgroup and they will bring*  
12 *their draft final report to the full Committee on*  
13 *Friday for deliberation and adoption, thus we*  
14 *anticipate that they will be wrapping up this work.*  
15 *Spencer Garrett, of the National Marine Fisheries*  
16 *Service is the subcommittee chair of this group.*

17 *The Mycobacterium subcommittee work began last*  
18 *Committee term and the group has been making much*  
19 *progress. This subcommittee potentially could finish*  
20 *their work by our September 07 meeting, but we will*  
21 *have to wait to hear from the group on Friday for a*  
22 *more to definitive status report. Dr. Don Zink of*

1 *FDA, will serve as the chair of this subcommittee*  
2 *this term.*

3 *Moving on, before we have Committee members*  
4 *introduce themselves, I would like to turn the floor*  
5 *over to our Vice-chair, Dr. Bob Brackett.*

6 *DR. BRACKETT: I would also like to welcome*  
7 *everyone to our first plenary meeting with a newly*  
8 *appointed Committee. I would like to thank our*  
9 *returning members for their continued service and*  
10 *also to thank the new members for volunteering their*  
11 *time and expertise in support of the activities of*  
12 *the Committee. Your participation and effort will*  
13 *allow us to move forward on a number of public health*  
14 *protection and food safety initiatives. I look*  
15 *forward to many insightful discussions.*

16 *At this time I would like to go around the table*  
17 *and have Committee members introduce themselves and*  
18 *state their affiliations.*

19 *(Introductions around table)*

20 *DR. BRACKETT: I would now like to turn the*  
21 *floor over to Gerri Ransom our Executive Secretary*  
22 *who will provide some additional information.*

1           MS. RANSOM:    Good afternoon and again, welcome.  
2   As always, if I or Karen can assist members with  
3   anything, please do not hesitate to let us know.

4           A note on some meeting procedure for today.  If  
5   you would like to participate in discussions, please  
6   take your name card and set it vertically so our  
7   Chair will be alerted to call on you.  Please also  
8   remember to state your name and affiliation for the  
9   record, as the session is being recorded to create a  
10   transcript.  Thank you.

11           For any guests wishing to make public comment,  
12   we ask that you please register with us at the front  
13   desk.  We have a sign-up sheet at the registration  
14   desk.  Each registrant will be allowed up to 10  
15   minutes for their remarks.

16           I also want to point out to our guests that we  
17   have a table out front where you can find copies of  
18   various documents related to NACMCF.  So feel free to  
19   pick up copies of materials that interest you.  For  
20   those guests who wish to distribute any materials  
21   please check with our folks at the sign-in desk and  
22   they will assist you.  We thank you for your  
23   cooperation on this.

1           *Related to NACMCF business, I have a few items*  
2 *to mention. A NACMCF charter was approved on August*  
3 *3, 2006 and on March 23, 2007 the Secretary of*  
4 *Agriculture appointed 30 members to the Committee for*  
5 *the 2007-2009 2-year NACMCF term. Unfortunately one*  
6 *of the NACMCF appointees had to decline their*  
7 *appointment due to a new appointment within FDA that*  
8 *has given him a new set of responsibilities. Dr.*  
9 *David Acheson will not be serving with you on NACMCF*  
10 *this term. We anticipate that another appointment*  
11 *will be made from within FDA to fill this slot on the*  
12 *Committee.*

13           *And one administrative note: Please check your*  
14 *entry in the member address list in your meeting*  
15 *notebook and let Karen know if any updates or*  
16 *corrections are needed in your contact information.*

17           *I am looking forward to working with you this*  
18 *week and I hope you find this NACMCF term enjoyable,*  
19 *rewarding, and challenging.*

20           *And I will now turn the floor back over to Dr.*  
21 *Mann.*

22           *DR. MANN: Thank you, Gerri. And now I will*  
23 *move us into today's work. This afternoon we will*

1 receive introductions on the two new work charges  
2 being presented to the Committee today, and these  
3 subcommittees will begin working this term. These  
4 subcommittees include:

5       Parameters for Inoculated Pack/Challenge Study  
6 Protocols. This is an FDA work charge and the  
7 subcommittee will be chaired by Dr. Don Zink of the  
8 FDA. Dr. Bob Brackett of FDA will present this  
9 charge today. A draft of this charge was previously  
10 presented to the Committee for comment at the  
11 September 2006 NACMCF plenary session. This  
12 subcommittee will not be meeting this week, but they  
13 will commence work this summer.

14       Our other new work area is on the FSIS topic of  
15 Determination of the Most Appropriate Technologies  
16 for the FSIS to Adopt in Performing Routine and  
17 Baseline Microbiological Analyses. This subcommittee  
18 will be chaired by Dr. Uday Dessai of FSIS and he  
19 will be presenting this charge today. The group will  
20 start work this week. Please note that NACMCF was  
21 also asked to Comment on a draft version of this  
22 charge at the September 06 plenary session and the

1 *charge provided to you today incorporates comments*  
2 *received.*

3 *And now I call upon Dr. Bob Brackett to*  
4 *introduce the FDA inoculated pack charge. Bob...*

5

6

7 (Start transcript at 1:15 p.m.)

8 DR. BRACKETT: By way of background, the  
9 restaurant and retail food store industry routinely  
10 uses inoculation/challenge testing to determine  
11 whether a specific food requires time and temperature  
12 control for safety, and these are referred to as TCS.

13 And when the laboratory testing is used to  
14 support a change to what the Food Code could do and  
15 how the product is handled in the establishment and  
16 the examples we used here is refrigerated to  
17 unrefrigerated holding for some types of food or vice  
18 versa, or perhaps if they can extend the shelf life,  
19 these sorts of handling issues. Usually they will  
20 send the data to either a state or local regulatory  
21 agency or in some cases directly to the Food and Drug  
22 Administration, in what's known as a form of a

1 variance in support of the Food Code to allow them to  
2 do that.

3           And in these cases, the submitter must  
4 ensure that the study is appropriate for the food in  
5 question and also for the pathogens of concern that  
6 might be in those foods, or that's considered to be  
7 in a lot of those foods, and then obviously  
8 incorporate whatever necessary elements into the  
9 study that would yield a valid design. And this is  
10 something that has not been consistent in the  
11 industry and something that really needs to be  
12 addressed and to be transparent and much more  
13 science-based.

14           The definition of potentially hazardous  
15 foods or the time/temperature control necessary for  
16 food safety was amended in 2005 in the FDA Food Code  
17 and in that, it included both consideration of pH and  
18  $A_w$  interaction tables. And so this allowed the use  
19 of the hurdle concept to be used to determine whether  
20 a temperature control for safety of food is necessary  
21 or not.

22           When the pH and the  $A_w$  interaction controls

1 and the framework that's used to determine that the  
2 food does not require further refrigeration,  
3 sometimes further product assessment is necessary  
4 using inoculated pack or challenge study testing. So  
5 it's for these, that the study protocol, that we are  
6 bringing forth to this Committee, is dealing with.

7           So the charge for the Subcommittee for this  
8 particular task is summarized here. Because of the  
9 many different questions that have been raised by  
10 regulatory entities as well as industry users, on the  
11 definition of potentially hazardous foods and whether  
12 the time/temperature control is needed, this  
13 Committee is asked for its guidance to clarify these  
14 issues. And, again this has to do with science  
15 that's involved in it.

16           So the questions are listed in the next  
17 couple of slides, and you also have a copy of them in  
18 your binder as well.

19           The first is, what are the appropriate  
20 criteria that must be considered for an inoculated  
21 pack/challenge study to determine if a food requires  
22 time/temperature control for safety? And for

1 example, pathogen species, strain selection, whether  
2 or not to use a surrogate organism, the number of  
3 pathogen strains used, inoculation level or levels,  
4 incubation temperatures, length of  
5 incubation/duration of studies, all of these  
6 different factors are put in an inoculated pack  
7 study.

8           Secondly, what are the appropriate uses of  
9 mathematical growth and inactivation models of which  
10 there are a number? Under what condition can these  
11 models be used as a substitute for actual  
12 experimental laboratory inoculated pack/challenge  
13 studies? Of the models that are currently available  
14 to us, which ones are the most suitable for this use,  
15 and what are the limitations of these models?

16           Thirdly, what are the limitations for  
17 applying results of an inoculated pack/challenge  
18 study to one food versus another similar food?  
19 Sometimes they're close enough that they seem like  
20 they would be interchangeable, but not always.

21           Fourthly, of the existing inoculated  
22 pack/challenge study protocols, and there are some

1 available, some of which are published by the  
2 American Baking Association, NSF International, as  
3 well as others, including some -- this Committee,  
4 which are most suitable for application to a wide  
5 variety of foods, and then what are the limitations  
6 of these protocols if they were to be used? And are  
7 there existing protocols that are apparently for  
8 specific food-pathogen combinations?

9           Fifthly, and this involves developing a  
10 decision tree to aid in the design of an appropriate  
11 inoculated pack/challenge study. This allows  
12 investigators to test or desk-check the decision tree  
13 using the following five foods, and these are just  
14 examples: meat-filled puff pastry, baked cheese  
15 pizza, chopped lettuce, cheeses (either blocks or  
16 slices), and lemon meringue pie.

17           Sixthly, identify the basic knowledge,  
18 skills, education, training, experience and abilities  
19 necessary for a multidisciplinary work group or  
20 individual to be qualified to design, conduct or  
21 evaluate studies such as these and the pursuant  
22 results. So this really deals with the expertise of

1 the individuals involved in the study itself.

2           So that pretty much summarizes what has  
3 been charged. I think there's a lot of different  
4 items to address, and it is going to be challenging  
5 for the group to do that.

6           And so at this time I would reserve some  
7 time here if you have any questions, or clarification  
8 I can give to you.

9           (No response.)

10           DR. MANN: Any questions for Dr. Brackett?

11           DR. BRACKETT: Okay. Very good. Thanks.

12           DR. MADDEN: I've got a question for  
13 Dr. Brackett. What exactly --

14           UNIDENTIFIED SPEAKER: Name and  
15 affiliation.

16           DR. MADDEN: Joe Madden, Neogen  
17 Corporation. What exactly does a Committee member do  
18 to be considered for a Subcommittee appointment if  
19 you choose to be on a Subcommittee?

20           DR. BRACKETT: Typically -- if you're not  
21 on the Subcommittee but you'd like to be. Is that  
22 what you're asking?

1 DR. MADDEN: Yes, sir.

2 DR. BRACKETT: I think what we have is a  
3 very open system. That is, if you have time and you  
4 would like to be on the Subcommittee, we've had sort  
5 of the tradition that you just go and participate in  
6 that Subcommittee even if you're not an actual  
7 official member.

8 DR. MADDEN: Thank you.

9 DR. MANN: I'd like to jump in on that a  
10 little bit. The Executive Committee has been  
11 thinking about that, the goal is to have a certain  
12 productivity and maintain a certain momentum, with a  
13 certain number of members so inevitably there will be  
14 situations where we have Committee members serving on  
15 two different Subcommittees and I think in the past,  
16 there's even been some instances where there's been  
17 three. The thing we're asking in the future of our  
18 Subcommittee chairs is to recognize that, discuss  
19 this with the folks who are serving on two different  
20 Subcommittees, try to accommodate scheduling as much  
21 as possible. When it comes to that inevitable  
22 situation where you can't be in two places at the

1 same time, that the Subcommittee chairs would, with  
2 advice from the member, would assign a primary duty  
3 and a secondary duty, if you will, so that you don't  
4 want to slow down a Subcommittee's momentum. You can  
5 always catch somebody up. So it may be useful to --  
6 after the fact if someone was --

7 Are there any other questions of  
8 Dr. Brackett?

9 (No response.)

10 DR. MANN: Okay. Thank you. That's  
11 important work there, and we look forward to the  
12 product of Dr. Zink's Subcommittee.

13 Now I'd like to call upon Dr. Uday Dessai,  
14 and we will discuss the other new Subcommittee, the  
15 New Technologies charge. Dr. Dessai.

16 DR. DESSAI: Thank you, Dr. Mann. This  
17 charge was presented, like Dr. Mann said earlier, and  
18 we got extensive comments on this charge. We have  
19 the transcripts of those, and also there were some e-  
20 mail communications and feedback on the charge. Given  
21 that the charge was presented in a new technology  
22 format, we were kind of focused on SMEs (subject

1 matter experts) kind of technology. Now we've taken  
2 into account all the comments that we received thus  
3 far, and the charge has been revised to reflect those  
4 comments.

5           This Committee has the following members.  
6 I won't read the names of everyone here, but  
7 basically the charge is aimed at providing FSIS  
8 recommendations about what is out there in terms of  
9 new technologies and what would be suitable for FSIS  
10 given that FSIS is a regulatory agency. I'm not  
11 going by the text here. We are on Tab 8. I'm just  
12 talking about the general issues, and I'll come to  
13 the charge of the Subcommittee in a little bit.

14           So what is out there and what would be  
15 applicable to FSIS in terms of doing what we do  
16 faster, that's detection of pathogens or for process  
17 control indicators, how can we do it faster? How can  
18 we do it in a cost effective manner? And how can we  
19 do it in such a way that the data is available to us  
20 to do many other things, not just regulatory issues,  
21 but for attribution and other kinds of models? So  
22 that was the focus of this charge.

1           The points summarized here are consider the  
2 following when you are deliberating on this issue,  
3 specificity and sensitivity of the methodology that  
4 you'll be looking at, adaptability to various  
5 matrices including -- human clinical samples, the  
6 scope of the analyses, that is species  
7 identification, the current serotype -- and  
8 antibiotic resistance, PFGE or any other methods that  
9 get to virulence of an organism potentially.

10           Then enumeration has been a major issue  
11 because most of our risk assessments, data driven  
12 risk assessments, need not just the prevalence, but  
13 the prevalence and the numbers of organisms.

14           Then like I said, speed is an issue for us,  
15 and easy acquisition of the data and transfer. It is  
16 very important data be in a format where it can be  
17 transferred very easily into the existing data system  
18 of FSIS.

19           Cost and resource efficiency is, of course,  
20 prime importance.

21           The charge is broken down into six points  
22 here, and I will read these. These have been

1 slightly modified and rearranged from the previous  
2 questions, taking into account the comments that we  
3 received.

4           The first part is what are the most  
5 appropriate technologies FSIS should consider for  
6 improved microbiological analysis? What are the most  
7 promising methods that could replace or complement  
8 those currently used at FSIS? What are the important  
9 parameters to be considered in determining the  
10 suitability of a method for a particular application  
11 such as laboratory analysis versus pathogen and in-  
12 plant testing? Routine versus baseline testing and  
13 enumeration of all pathogens. We've combined this,  
14 actually baselines, as well as the routine testing,  
15 because baselines, after we get the baseline, the  
16 methodology generally is validated for other  
17 laboratories to be used for regulatory testing.

18           Item two is: what are the advantages and  
19 disadvantages of these newer technologies, all  
20 methods, when selecting newer technologies or  
21 methods, consider that the FSIS approach of reliance  
22 on culture confirmed positives for target organisms

1 in the context of method correlation, substitution  
2 and degrees of confidence. For instance, if the  
3 technology does not measure or coordinate with --  
4 cell presence, can reasonable decisions be made about  
5 the safety of the product? Now this was a point we  
6 added after we got the comments with the last  
7 presentation.

8           Item three, when adopting new technologies  
9 and testing platforms, what considerations must be  
10 made regarding sampling protocols, how that sampling  
11 (sites, site rinse, et cetera), impact assay  
12 sensitivity, specificity and limit of detection? Are  
13 there any practical ways (concentration technologies,  
14 et cetera) that could be adopted to compensate for  
15 the potential loss in specificity, sensitivity and  
16 detection limit requirements for microbiological  
17 targets? This is again a modified point from all the  
18 comments that we got.

19           Item four, consider specifically the  
20 accuracy, applicability and validation of an assay  
21 capable of detecting thousands of single nucleotide  
22 polymorphisms, SNPs, in a single reaction. Would

1 such an assay be timely, cost effective and capable  
2 of screening specimens to monitor process control?  
3 Would it be capable of differentiating multiple  
4 microbial species in a single sample? Could it have  
5 application for differentiating bacterial subspecies  
6 particularly relevant for *Salmonella*, which are  
7 particularly characterized by serotypes, or detecting  
8 and antibiotic resistance genes and virulence  
9 factors? Determine the suitability of incorporating  
10 SNPs in meeting the current and future testing needs  
11 of FSIS. Now this charge has not been altered except  
12 adding the last part of this charge.

13           Item 5, when selecting a new technology,  
14 what factors should be considered such that the data  
15 generated will be useful in an expanded manner to  
16 include attribution/risk profiles and models for  
17 human illnesses?

18           And the last item is, what issues will need  
19 to be considered to make newer and promising  
20 technologies reality in FSIS? FSIS future testing  
21 for pathogens and indicator microorganisms. For  
22 technologies that may be useful in the future,

1 identify research gaps that need to be addressed  
2 prior to implementation. The last part of this  
3 charge has been added on because of the comments.

4 That finishes the presentation of the  
5 charge and we will take questions.

6 DR. MANN: Any questions for Dr. Dessai?

7 (No response.)

8 DR. MANN: I have one. You're going to  
9 focus on the laboratory part of this at first rather  
10 than the in-plant or in-field type of technologies?  
11 What are you going to try to focus it on?

12 DR. DESSAI: Well, what we did was we left  
13 it to the Subcommittee to decide what they want to  
14 focus on based on the amount of work and the time  
15 that we needed, but we had thought initially that in-  
16 plant would be a focus to start with, but we'll leave  
17 it to you to decide.

18 DR. MANN: So you haven't decided?

19 DR. DESSAI: No.

20 DR. MANN: Okay. You think you're going to  
21 focus on in-plant first?

22 DR. DESSAI: Yes, that was the thought

1 process.

2 DR. MANN: Okay. Thank you. Any other  
3 questions for Dr. Dessai with regard to the charge?

4 (No response.)

5 DR. MANN: Okay. Thank you.

6 DR. DESSAI: Thank you.

7 DR. MANN: So these are two new charges for  
8 this term. We potentially might have some  
9 replacement charges coming up at the next session,  
10 but we'll stay tuned on that and we'll -- work on  
11 what we might have available as we close out some of  
12 the other subcommittees.

13 We're moving along fairly quickly. So  
14 we're ahead of schedule. At this point in time, you  
15 have a choice of whether you'd like to take a break  
16 and go to public comment or just go right to public  
17 comment. We have some audience here. We can go to  
18 public comment. I will follow the druthers of the  
19 Committee here.

20 I think we're going to move forward. So  
21 we'll check and to see if anybody has any further  
22 comments. Is there anyone in the audience who would

1 like to make a comment for the Committee's benefit?

2 (No response.)

3 DR. MANN: All right. Well, hearing none,  
4 it looks like that closes our public comment period,  
5 and that's winding us down for this morning. We have  
6 a week ahead of us. I want to thank all the  
7 Committee members for coming in, and being a part of  
8 this Committee again, and we'll have a pretty active  
9 schedule the rest of this week. We'll meet again as  
10 a full Committee on Friday.

11 So again, I want to thank you for being  
12 part of the Committee that we're trying to drive some  
13 additional life into because it is one of the best  
14 advisory committees on public health protection from  
15 foodborne illness. It's a unique advisory committee,  
16 given the fact that it's sort of co-owned by many  
17 different foodsafety agencies. So your skills and  
18 your technical advice are very important to these  
19 regulatory agencies.

20 Irene.

21 DR. WESLEY: I have one question. Do you  
22 have a timeline for the new methods technology? Are

1 you going to allow time for a baseline survey? Are  
2 they in 2010, 2009?

3 DR. MANN: Could you just rephrase your  
4 question with the microphone on to make sure our  
5 transcriber is getting it?

6 DR. WESLEY: Do you have -- Irene Wesley,  
7 ARS. Do you have a timeline when you'd like to have  
8 some of the recommendations from the Committee  
9 incorporated into the FSIS --

10 DR. DESSAI: I will be happy to comment on  
11 -- and then it's also specific. So we have not  
12 decided concrete on this but as we go along, with  
13 other meetings, we will then sort out immediately and  
14 then say after we present to the body here that these  
15 are things you can do short-term and the rest of the  
16 things you can do long-term.

17 DR. MANN: Dr. Engeljohn.

18 DR. ENGELJOHN: This is Engeljohn with  
19 FSIS. And I would just follow up what Wesley already  
20 said, and just opined that I think the Agency would  
21 be grateful to get short-term and long-term  
22 perspectives as to what might be able to be

1 accomplished near-term and then longer term, and we  
2 define in the Subcommittee what those terms mean, but  
3 clearly whatever the Agency could be using now to be  
4 developing or studying or assessing -- methodologies  
5 would be quite helpful.

6           So we would be looking to the future  
7 because it would be a major modification to the  
8 design and support that we have in place, but if  
9 there are things that we can do short term, we  
10 clearly would want to know that and start doing that.

11           DR. MANN: As we close out, are there any  
12 other comments that our Executive Committee members  
13 would like to make at this time?

14           (No response.)

15           DR. MANN: Okay. Well, again I just look  
16 forward to this week's meetings. I wish you all a  
17 productive week. On Friday, we'll reconvene and  
18 we'll hear about the seafood cook document that  
19 hopefully we'll get a final approval on and then hear  
20 reports from the Subcommittees.

21           So I adjourn the meeting. Thank you.

22           (Whereupon, at 1:37 p.m., the meeting was

1 concluded.)

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