Purpose of Meeting: The purpose of this public meeting is for the Panel to discuss, deliberate and prepare the responses to the Charge Questions posed to the augmented Radiation Advisory Committee (RAC) by the Agency in review of the draft document entitled: “EPA Radiogenic Cancer Risk Models and Projections for the U.S. Population,” December 2008 (Prepared by the U.S. EPA/ Office of Radiation and Indoor Air (ORIA)).

**Monday, March 23, 2009:**

9:00 a.m.  Convene the Meeting  
Dr. K. Jack Kooyoomjian,  
*Designated Federal Officer (DFO), RAC SAB Staff Office*

   Welcoming Remarks  
Dr. Vanessa Vu,  
*Director, SAB Staff Office*

9:15 a.m.  Introductory Remarks Review of the Agenda,  
Introduction of Augmented RAC and Participants  
Dr. Bernd Kahn, RAC Chair

9:30 a.m.  Overview of Development of the Blue Book  
Mr. Jonathan Edwards,  
*Director, RPD, ORIA*

   Highlights of ORIA Current Activities,  
Background on *Blue Book*, Previous SAB/RAC Reviews, Introduction of Charge and Agency Presenters  
Dr. Mary E. Clark,  
*Assistant Director for Science, ORIA*

10:00 a.m.  Highlights of Previous Consultative Advice  
on Radiogenic Cancer Risk Assessment,  
Including the Recent White Paper and Other Products  
Dr. Bernd Kahn, RAC Chair

10:15 a.m.  **BREAK**

10:30 a.m.  Technical Overview and Highlights of EPA’s  
Draft Document  
ORIA Staff TBA

12:00 noon  **LUNCH**
Day 1: Continued:

1:15 p.m. Continued Presentations by ORIA Staff, Including Questions & Answers by Augmented RAC

ORA Staff TBA

3:00 p.m. BREAK

3:15 p.m. Public Comments

Dr. K. Jack Kooyoomjian, DFO as facilitator

3:45 p.m. Plenary Discussion of Charge Question #1:

Chair & Augmented RAC

a) Approaches for extending risk estimates to radiations of different LETs;
b) EPA’s adaption of BEIR VII weighted geometric mean approach for combining EAR & ERR models for projecting risk from the LSS to the U.S. population;
c) Estimation of risks not specified in BEIR VII, including kidney, bone, and skin cancers, as well as for alpha particle irradiation of the liver;
d) Calculating breast cancer mortality risk, accounting for time from detection until death;
e) Separating out nonfatal skin cancers and risks from prenatal exposures from the overall risk estimates.

Chair & Augmented RAC (Sub-Group Leads, and Discussants as Appropriate)

5:15 p.m. Re-Cap & Summary of Review Process & Next Steps

Dr. Bernd Kahn, RAC Chair

5:30 p.m. ADJOURN DAY 1

Day #2:

Tuesday, March 24, 2009:

8:30 a.m. Reconvene Augmented RAC

Planning Expectations for the Day’s Activities

Dr. K. Jack Kooyoomjian, Designated Federal Officer (DFO), RAC, SAB Staff Office

Dr. Bernd Kahn, Chair,
Day #2: Continued:

8:45 a.m. Plenary Discussion of Charge Question #1: Continued

10:00 a.m. Plenary Discussion of Charge Question #2 regarding the uncertainty analysis contained in Section 4:
   a) Comment on adequacy of the approach to Discussants TBA uncertainty analysis;
   b) Are the distributions chosen for the various sources of uncertainty reasonable?

10:15 a.m. BREAK

10:30 a.m. Plenary Discussion of Charge Question #2: c) Continued

12:15 p.m. LUNCH

1:30 p.m. Plenary Discussion of Charge Question #3 regarding presentation of the overall information and application of BEIR VII pertaining to:
   a) Scientific defensibility and appropriateness of models and assumptions;
   b) Presentation of the calculations and results, and;
   c) With respect to the document’s intended purpose, the accuracy, balance and level of detail of the scientific background material presented.

3:00 p.m. BREAK

3:15 p.m. WRITING SESSION

5:30 p.m. ADJOURN: Day #2
Day #3:  
Wednesday, March 25, 2009:

8:30 a.m. Reconvene Augmented RAC
Planning Expectations for the Day’s Activities
Dr. K. Jack Kooyoomjian, Designated Federal Officer (DFO)

8:45 a.m. Public Comments
Dr. K. Jack Kooyoomjian, RAC DFO, as facilitator

9:15 a.m. Continued Presentation and Discussion of Draft
Responses to Charge Questions
RAC Chair, Sub-Group Leads, and Discussants as Appropriate

10:30 a.m. BREAK

10:45 a.m. Continued Presentation and Discussion of Draft
Responses to Charge Questions
RAC Chair, Sub-Group Leads, and Discussants as Appropriate

12:00 p.m. LUNCH

1:00 p.m. Additional WRITING SESSION (As Needed)
Summary of Recommendations, Action Items, and Next Steps
Augmented RAC Sub-Groups As Appropriate
Dr. Bernd Kahn, RAC Chair and Augmented RAC

2:30 p.m. MEETING ADJOURNED