

DOCKET FILE COPY ORIGINAL

ET 93-62



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

RECEIVED

JUN 30 1995

JUN 19 1995

FEDERAL COMMUNICATIONS COMMISSION
OFFICE OF SECRETARY FOR RADIO AND RADIATION

Richard M. Smith, Chief
Office of Engineering and Technology
Federal Communication Commission
1919 M Street, NW
Washington, DC 20554

Dear Mr. Smith:

Due to your pending rulemaking action, I am writing to inform you of the Environmental Protection Agency (EPA) schedule for development of *Guidelines for Limiting Public Exposure to Radiofrequency (RF) Radiation*.

The guidelines are substantially complete, and are beginning to enter the review phase. The review plan for the guidelines will include a 30 day pre-publication review by the RF Inter-Agency Work Group, a 60 day review by selected stakeholders, and final review by OMB (90 days). Issuance of the final guidelines should be in early 1996.

We have established an effective and inclusive process for completing the guidelines. Our approach is rooted in the November 1993 comments from EPA on the Federal Communications Commission (FCC) Notice of Proposed Rulemaking. Last year, selected federal agencies, including the FCC, formed an RF Interagency Work Group to coordinate RF issues among federal agencies, provide technical input to the guidelines, and act as a sounding board to assess the general approach employed in the guidelines. Ongoing discussions about the guidelines with important stakeholders are also underway. For example, the upcoming meeting with the Electromagnetic Energy Alliance is an illustration of the dialogue which is necessary to insure that the guidelines are broadly accepted thereby affording the FCC the opportunity to reference these guidelines as part of their rulemaking.

No. of Copies rec'd
List A B C D E

0572



Recycled/Recyclable
Printed with Soy/Canola Ink on paper that
contains at least 50% recycled fiber

-2-

Completion of the guidelines in a timely manner remains a priority of this office. In accomplishing this, the assistance and support of the FCC has been invaluable. In particular, Robert Cleveland has offered valuable technical review and insights which substantially improved the guidelines.

Sincerely,

A handwritten signature in cursive script, reading "E. Ramona Trovato". The signature is written in dark ink and is positioned below the word "Sincerely,".

E. Ramona Trovato, Director
Office of Radiation and Indoor Air

0573

EX PARTE OR LATE FILED

RECEIVED

MAR 23 1995



MEMORANDUM
OFFICE OF ENGINEERING AND TECHNOLOGY

FEDERAL COMMUNICATIONS COMMISSION
OFFICE OF SECRETARY

DOCKET FILE COPY ORIGINAL

*Manage the spectrum
and provide technical leadership
to create new opportunities
for competitive technologies and services
for the American public.
— Mission Statement —*

Date: March 22, 1995

To: Secretary, FCC

From: Robert F. Cleveland, Office of Engineering & Technology

Subject: ET Docket 93-62
Ex Parte Presentation by U.S. Environmental Protection Agency

Please be advised that on March 21, 1995, the U.S. Environmental Protection Agency (EPA), represented by Dennis O'Connor and Norbert Hankin, met with staff from the FCC and from the National Telecommunications and Information Administration (NTIA) regarding the EPA's efforts to develop exposure recommendations for radiofrequency electromagnetic fields. Attending this meeting from the FCC were: Robert Bromery, Robert Cleveland, Bruce Franca, Stevenson Kaminer, Thomas Stanley, David Sylvar and Jerry Ulcek. NTIA was represented by Janet Healer. During this meeting EPA staff briefed the participants on the EPA's activities and its schedule related to the development of these recommendations. The attached documents were provided to FCC and NTIA staff by the EPA, and they summarize the topics discussed at the meeting.

Please place this memorandum and the attachments into the record of the above-referenced proceeding.

ATTACHMENTS (9)

0562

No. of Copies rec'd 05
List A B C D E

**DEVELOPMENT OF
RF RADIATION EXPOSURE GUIDELINES**

BRIEFING FOR THE

FEDERAL COMMUNICATIONS COMMISSION

**OFFICE OF RADIATION AND INDOOR AIR
U.S. ENVIRONMENTAL PROTECTION AGENCY**

March 21, 1995

0563

BACKGROUND

- | | |
|-------------|--|
| 1986, July | "Federal Radiation Protection Guidance; Proposed Alternatives for Controlling Public Exposure to Radiofrequency Radiation; Notice of Proposed Recommendations" |
| 1992, Jan. | SAB report - recommended that Guidance be completed |
| 1993, Apr. | RF Radiation Conference |
| 1993, Nov. | Comments to the Federal Communications Commission |
| 1994, April | EMF strategy adopted |

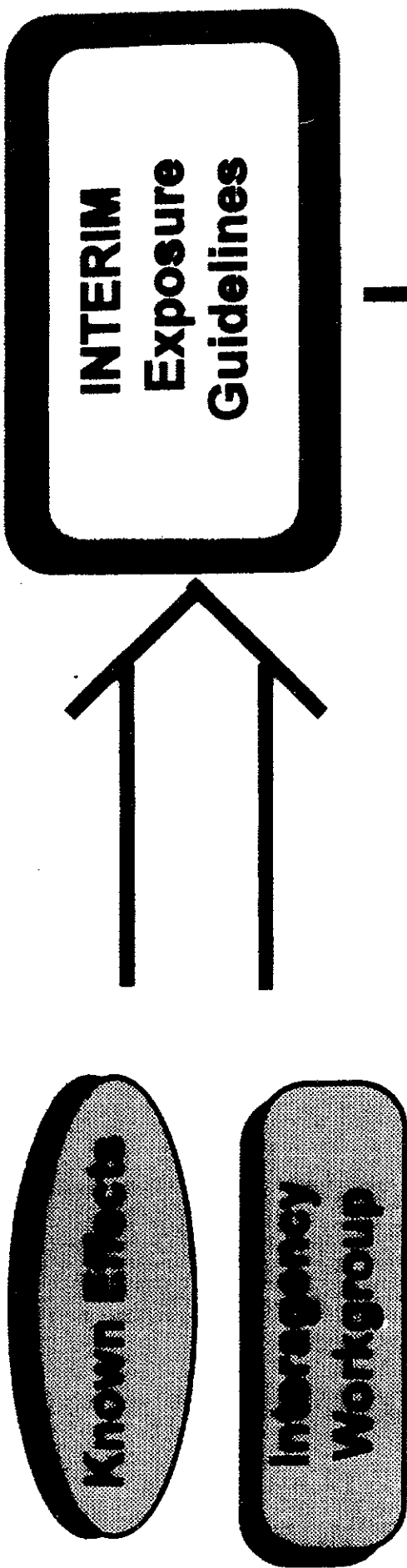
RF RADIATION CONFERENCE

MAJOR CONCLUSIONS

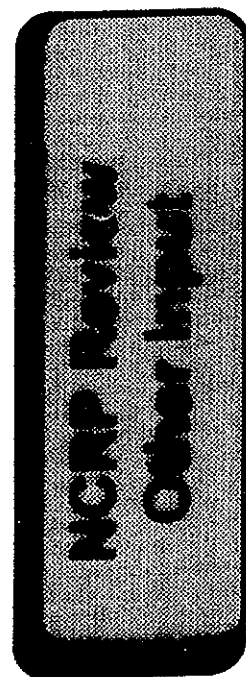
- ◆ **EPA guidelines needed**
- ◆ **Sufficient information - heat/temperature related effects**
- ◆ **Insufficient information: nonthermal exposures modulation**

RF STRATEGY

PHASE 1 (Health Effects)



PHASE 2 (Modulation)



Hybrid Approach to Exposure Limits

- ◆ **Phase 1: Interim RF Radiation Exposure Guidelines**
 - Based upon **EPA** comments to the **FCC**
 - Combines best features of **NCRP, ANSI/IEEE, IRPA, ...** guidelines
 - Builds upon **existing** health effects research
 - **Simple, less controversial**
 - no need for: risk estimates
 impact analysis
 - Does not include modulation, chronic exposure, nonthermal effects

PROCESS

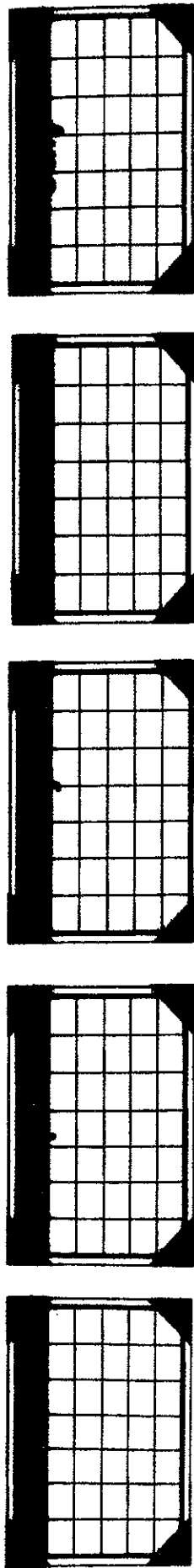
- ◆ **Convene workgroup**

Federal Agency: EPA, FDA, NIOSH, OSHA, FCC, NTIA

- ◆ **Preparation of Draft Guidelines documents**

- ◆ **Reviews and Revisions**

- ◆ **Guidelines Report**



Review Process

**RF
Workgroup**

**Industry
and
Federal
Agency**

OMB

**Draft RF
Guidance**

**Issue Interim
RF
Guidance**

NEXT STEPS

- Implement review process
- Draft report revisions
- Incorporate comments

0571