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MEMORANDUM

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OFFICE OF ENGINEERING AND TECHNOLOGY

FEDERAL COMMUNICATIONS COMMISSION OFFICE OF SECRETARY

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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:

Robot Clinted 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 abovereferenced proceeding.

ATTACHMENTS (9)

0562

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DEVELOPMENT OF RF RADIATION EXPOSURE GUIDELINES

BRIEFING FOR THE

FEDERAL COMMUNICATIONS COMMISSION

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

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

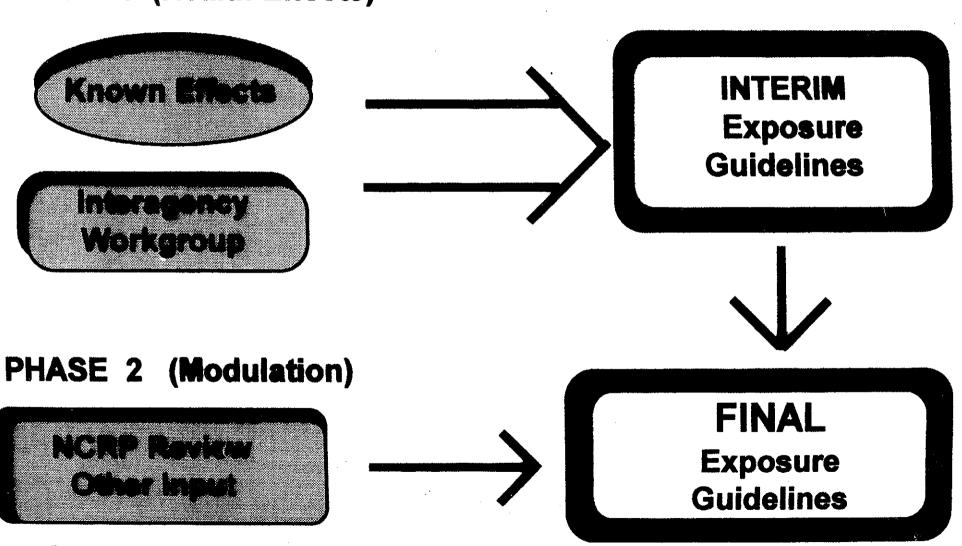
MAJOR CONCLUSIONS

- ♦ EPA guidelines needed
- ♦ Sufficient information heat/temperature related effects
- ♦ Insufficient information: nonthermal exposures

modulation

RF STRATEGY

PHASE 1 (Health Effects)



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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

Modulated and Nonthermal Exposures

- ♦ Phase 2: Modulation
 - NCRP Commentary (two years)
 - Current situation

insufficient data developing issue

Approach

NCRP Commentary focus on exposure limits convenes National experts

Commentary

Addresses important/controversial issues basis for Background Information Document

• Input from ongoing research

SAG - wireless communications

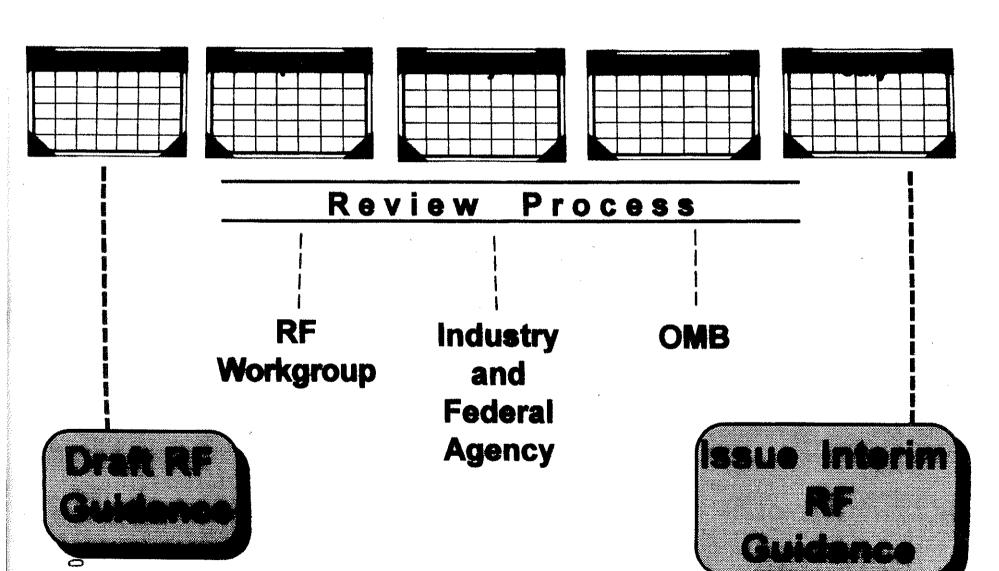
PROCESS

♦ Convene workgroup

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

- ♦ Preparation of **Draft Guidelines documents**
- **♦** Reviews and Revisions
- **♦** Guidelines Report





NEXT STEPS

- Implement review process
- Draft report revisions
- Incorporate comments