

UNCLASSIFIED

## Appendix A

### THIRD DOD PRECISE TIME AND TIME INTERVAL STRATEGIC PLANNING CONFERENCE

#### AGENDA \*

Tuesday, 16 November 1971

#### MORNING:

##### *OPENING ADDRESS*

Dr. A. Berman  
Director of Research  
Naval Research Laboratory

##### *ADMINISTRATIVE NOTES*

LCDR B. M. Atwood, USN  
Technical Officer  
U. S. Naval Observatory

##### *INTRODUCTION*

CAPT J. R. Hankey, USN  
Superintendent  
U. S. Naval Observatory

##### *TIME AND FREQUENCY STANDARDIZATION*

RADM R. J. Schneider, USN  
Vice Commander  
Naval Electronic Systems Command

##### *THE SPACE SHIFT INCREMENTAL OSCILLATOR AND PRN TIME TRANSFER*

Dr. R. B. Kershner  
Head, Space Development Department  
Applied Physics Laboratory

##### *TIMING RECEIVER FOR TIMATION*

Mr. R. L. Easton  
Head, Space Metrology Branch  
Naval Research Laboratory

##### *TIME AND FREQUENCY ADJUSTMENT ON THE LORAN-C SYSTEM*

LCDR J. F. Roeber, USCG  
Systems Development Branch, Electronics  
Engineering Division  
U. S. Coast Guard Headquarters

\* The agenda was modified during the conference and the actual order of speakers is reflected in the Table of Contents.

LUNCH AND DISPLAYS

AFTERNOON:

*OMEGA TIME TRANSMISSIONS AND RECEIVING  
REQUIREMENTS*

Mr. A. R. Chi/L. Fletcher/C. Casselman  
Network Engineering Division  
National Aeronautics and Space Administration

*MINI MODEM FOR PTTI DISSEMINATION*

Mr. J. A. Murray  
Time and Frequency Systems Unit  
Naval Research Laboratory

*VLF PHASE TRACKING FOR PTTI APPLICATION*

Dr. F. H. Reder  
Chief, Antennas and Geophysical Effects  
Research Technical Area  
Electronics Technology and Devices Laboratory  
U. S. Army Electronics Command

*PTTI RELATING TO THE VERDIN COMMUNICATION  
SYSTEM {SECRET}*

Mr. L. S. Woznak  
Head, Information Processing Branch, TACAMO  
Division, Special Communications Project Office  
Naval Electronic Systems Command

DISCUSSION PERIOD

Wednesday, 17 November 1971

MORNING:

*DSCS PTTI TRANSFER {SECRET}*

CAPT R. E. Enright, USN  
DCS Program Project Manager  
Defense Communications Agency

*PRECISE TIME/FREQUENCY FOR THE DEFENSE  
COMMUNICATIONS SYSTEM*

Mr. H. C. Folts  
Electronics Engineer  
Defense Communications Engineering Office

*ABSOLUTE PATH DELAY EFFECTS IN TDM LONG HAUL  
DATA TRANSMISSION {SECRET}*

Mr. R. A. Day  
Chief, Engineering Staff, Office of  
Telecommunications  
National Security Agency

*DISCIPLINED TIME AND FREQUENCY OSCILLATOR*

Mr. R. R. Stone  
Head, Time and Frequency Section  
Naval Research Laboratory

*ATOMIC STANDARDS TEST AND EVALUATION*

Dr. E. Hafner  
Leader, Frequency Control Devices Team  
Electronics Technology and Devices Laboratory  
U. S. Army Electronics Command

LUNCH

AFTERNOON:

*STABILITY CHARACTERISTICS AND APPLICATION  
TECHNIQUES FOR PRECISION FREQUENCY SOURCES*

Dr. L. S. Cutler  
Director, Physical Research Laboratory  
Hewlett-Packard Company

*PERFORMANCE AND RESULTS OF PORTABLE CLOCKS  
IN AIRCRAFT*

Dr. J. C. Hafele  
Assistant Professor  
Washington University

*A NBS EXPERIMENTAL SATELLITE TIME DISSEMI-  
NATION SERVICE*

Mr. J. L. Jespersen  
Chief, Frequency and Time Dissemi-  
nation Research  
National Bureau of Standards, Boulder

*LONG RANGE PRECISION DETERMINATION SYSTEM  
{CONFIDENTIAL}*

Dr. F. W. Rohde  
Engineering Topographic Laboratory  
U. S. Army Topographic Command

DISCUSSION PERIOD

Thursday, 18 November 1971

MORNING:

*FREQUENCY SELECTION AND TRACKING REQUIREMENTS  
FOR UNDERWATER RANGES {SECRET}*

Mr. C. S. Soliozy  
Weapons Department, Systems Division  
Naval Underwater Systems Center

*TIME AND FREQUENCY RELATING TO COLLISION  
AVOIDANCE SYSTEM*

Mr. J. L. Brennan  
Sub-program Manager, Collision Avoidance  
Systems  
Federal Aviation Administration

*UTC ADJUSTMENT OF THE OMEGA SYSTEM*  
Omega Project Office  
Naval Electronic Systems Command

*SYNCHRONIZATION BY COMMERCIAL TV LINE 10  
IN THE WASHINGTON, D.C. AREA*

Mr. J. D. Lavanceau  
Section Chief, Control of Time and Time  
Interval, Time Service Division  
U. S. Naval Observatory

*UTC WORLDWIDE ADJUSTMENT*

Dr. G. M. R. Winkler  
Director, Time Service Division  
U. S. Naval Observatory

PANEL DISCUSSION

LUNCH

AFTERNOON:

PANEL DISCUSSION