Description of document:	Defense Technical Information Center (DTIC) Technical Report Bibliography for reports responsive to a search for keyword/subject terms: Post Attack Command and Control System, PACCS, 1930-1988
Requested date:	2013
Released date:	21-October-2013
Posted date:	14-April-2014
Source of document:	Defense Technical Information Center (DTIC-R) ATTN: FOIA Requester Service Center 8725 John J. Kingman Road, Suite 0944 Ft. Belvoir, VA 22060-6218

From: "Hamilton, Mike CIV DTIC R"
Date: Oct 21, 2013 8:19:10 AM
Subject: DTIC FOIA 2013-164

Good Morning

Attached is information on your below FOIA request. We have assigned our internal number of DTIC FOIA 2013-164.

Thanks

Mike

Highest Classification: Unclassified

DTIC Bibliography

Export Time Stamp: 2013-09-24 09:02:28 AM

Number of Citations: 111

Format: FOIA UL Display

EXPORT CONTROL

The following notice applies if this bibliography includes abstracts with references marked "Export Control" EXPORT CONTROL WARNING NOTICE This document contains technical data whose export is restricted by the Arms Export Control Act (Title 22, U.S.C., sec. 2751 et seq.) or Executive Order 12470. Violations of these export laws are subject to severe criminal penalties. Distribution of this document is subject to DoDD 5230.25.

DOWNGRADING ACTION

The security classification of each entry in this listing is current as of the date of the bibliography. Do not downgrade or declassify individual bibliographic entries without referring to the complete and current classification authority, duration, and change markings associated with the document referenced in the bibliographic entry.

DESTRUCTION NOTICE

For classified documents, follow the procedures in DoD 5200.22-M, National Industrial Security Program Manual, Section 7, or DoD 5200.1-R, Information Security Program Regulation, Chapter VI, Section 7. For unclassified, limited documents, destroy by any method that will prevent disclosure of contents or reconstruction of the document.

CONTROLLED REPORTS

You may obtain copies of controlled reports only if you are within the audience authorized by the secondary distribution markings assigned by the controlling office or if you are specifically authorized by the controlling organization. To request specific authorization, please complete a DTIC Form 55, Request for Release of Limited Document. Be sure to include all the information needed to identify the document and a justification as to why you need the document. DTIC encourages the use of the Automated Form 55 for those with access to the Internet. The Automated Form 55 can be found at: http://www.dtic.mil/dtic/formsNguides/registration/form55.html. For those using the paper form, please fax your completed Form 55 to DTIC.

FOIA UL Display

Distribution/Classification

Distribution Code:09 - CLASSIFIED

Report Classification: SECRET

Collection: Technical Reports

Title: (U) PACCS Airborne Alert Sustainability.

Accession Number: ADC037099

Personal Author(s): Moore,N Y ; Dey,P K

Corporate Author: RAND CORP SANTA MONICA CA

Report Date: Feb 1985

Descriptive Note: Interim rept.,

Pages:122 Page(s)

Report Number: RAND/N-2171-AF *(RANDN2171AF)*

Contract/Grant/Transfer Number: F49620-82-C-0018 *(F4962082C0018)*

FOIA UL Display

Distribution/Classification

Distribution Code:09 - CLASSIFIED

Report Classification: CONFIDENTIAL

Collection: Technical Reports

Title: (U) A POST-ATTACK SYSTEM EXERCISE AND ANALYSIS CONDUCTED FOR PACCS STUDY 3.

Accession Number: AD0365531

Personal Author(s): Karlson,June H

Corporate Author: MITRE CORP BEDFORD MASS

Report Date: Aug 1965

Descriptive Note: Technical documentary rept.,

Pages:119 Page(s)

Report Number: TM-03936/0000/00/0/00 *(TM03936000000000)* , ESD - TDR-64-143 *(ESDTDR64143)*

Monitor Series: TDR-64-143 *(TDR64143)*

Contract/Grant/Transfer Number: AF19 628 2390 *(AF196282390)*

FOIA UL Display

Distribution/Classification

Distribution Code:02 - U.S. GOVT. AND THEIR CONTRACTORS

Distribution Statement:Distribution limited to U.S. Gov't. agencies and their Contractors; Specific authority; Mar 79. Other requests must be referred to Commander, Electronic Systems Div., Attn: DCK. Hanscom AFB, MA 01731.

Report Classification: Unclassified

Collection: Technical Reports

Title: (U) PACCS UHF Frequency Compatibility Test Procedures,

Accession Number: ADB038194

Personal Author(s): Fletcher,D D

Corporate Author: MITRE CORP BEDFORD MASS

Report Date: Mar 1979

Pages:143 Page(s)

Report Number: MTR-3673-VOL-2 *(MTR3673VOL2)* , ESD - TR-78-184 *(ESDTR78184)*

Monitor Series: TR-78-184 *(TR78184)*

Contract/Grant/Transfer Number: F19628-79-C-0001 *(F1962879C0001)*

FOIA UL Display

Distribution/Classification

Distribution Code:02 - U.S. GOVT. AND THEIR CONTRACTORS

Distribution Statement:Distribution limited to U.S. Gov't. agencies and their Contractors; Specific authority; Mar 79. Other requests must be referred to Commander, Electronic Systems Div., Attn: DCK. Hanscom AFB, MA 01731.

Report Classification: Unclassified

Collection: Technical Reports

Title: (U) PACCS UHF Frequency Compatibility Test Report.

Accession Number: ADB036546

Personal Author(s): Fletcher,D D

Corporate Author: MITRE CORP BEDFORD MASS

Report Date: Mar 1979

Descriptive Note: Technical rept.,

Pages:128 Page(s)

Report Number: MTR-3673-VOL-1 *(MTR3673VOL1)* , ESD - TR-78-183-VOL-1 *(ESDTR78183VOL1)*

Monitor Series: TR-78-183-VOL-1 *(TR78183VOL1)*

Contract/Grant/Transfer Number: F19628-79-C-0001 *(F1962879C0001)*

FOIA UL Display

Distribution/Classification

Distribution Code:03 - U.S. GOVT. ONLY; DOD CONTROLLED

Distribution Statement:Notice: Only government agencies may request from DDC. Others request approval of Electronic Systems Division, L. G. Hanscom Field, Mass. Attn: ESAT.

Report Classification: CONFIDENTIAL

Collection: Technical Reports

Title: (U) PACCS UHF COMMUNICATION SYSTEM RELIABILITY

Accession Number: AD0340840

Personal Author(s): Westbrook,E A

Corporate Author: MITRE CORP BEDFORD MASS

Report Date: Aug 1963

Pages:14 Page(s)

Report Number: TM3620 *(TM3620)* , ESD - TDR63 291 *(ESDTDR63291)*

Monitor Series: TDR63 291 *(TDR63291)*

Contract/Grant/Transfer Number: AF19 628 2390 *(AF196282390)*

FOIA UL Display

Distribution/Classification

Distribution Code:02 - U.S. GOVT. AND THEIR CONTRACTORS

Distribution Statement:Distribution limited to U.S. Gov't. agencies and their contractors; Critical Technology; 13 Dec 83. Other requests must be referred to Dean of Engineering, Air Force Institute of Technology (AFIT-SE), Wright-Patterson AFB, OH 45433.

Report Classification: Unclassified

Collection: Technical Reports

Title: (U) A Computer Model to Enhance PACCS (Post Attack Command and Control System) Survivability and Endurability and a Computer Model for Runway Interdiction from Nuclear Weapons.

Accession Number: ADB078428

Personal Author(s): Porter,G C

Corporate Author: AIR FORCE INST OF TECH WRIGHT-PATTERSON AFB OH SCHOOL OF ENGINEERING

Report Date: Mar 1983

Descriptive Note: Master's thesis,

Pages:171 Page(s)

Report Number: AFIT/GST/PH/83M-4 *(AFITGSTPH83M4)*

FOIA UL Display

Distribution/Classification

Distribution Code:05 - CONTROLLED; DOD CONTROLLED

Distribution Statement:Distribution: Controlled: all requests to Electromagnetic Compatibility Analysis Center, Annapolis, Md. 21402.

Report Classification: CONFIDENTIAL

Collection: Technical Reports

Title: (U) ELECTROMAGNETIC COMPATIBILITY ANALYSIS OF THE STRATEGIC AIR COMMAND POST ATTACK COMMAND AND CONTROL SYSTEM (SAC PACCS).

Accession Number: AD0372877

Personal Author(s): Kelly,M

Corporate Author: IIT RESEARCH INST ANNAPOLIS MD

Report Date: May 1966

Descriptive Note: Technical rept.,

Pages:123 Page(s)

Report Number: ESD - TR-66-6 *(ESDTR666)*

Monitor Series: TR-66-6 *(TR666)*

Contract/Grant/Transfer Number: AF 19(628)-5049 *(AF196285049)*

FOIA UL Display

Distribution/Classification

Distribution Code:09 - CLASSIFIED

Report Classification: CONFIDENTIAL

Collection: Technical Reports

Title: (U) FUNCTIONAL CAPABILITY DIFFERENCES AMONG ADVANCED PACCS CONFIGURATIONS

Accession Number: AD0351874

Personal Author(s): Driscoll,L C ; Hudock,R P ; Smith,J

Corporate Author: MITRE CORP BEDFORD MASS

Report Date: Jun 1964

Pages:81 Page(s)

Report Number: W06702 *(W06702)* , ESD - TDR64 88 *(ESDTDR6488)*

Monitor Series: TDR64 88 *(TDR6488)*

Contract/Grant/Transfer Number: AF19 628 2390 *(AF196282390)*

FOIA UL Display

Distribution/Classification

Distribution Code:02 - U.S. GOVT. AND THEIR CONTRACTORS

Distribution Statement:Distribution limited to U.S. Gov't. agencies and their Contractors; Specific authority; 4 Oct 78. Other requests must be referred to Commandant, Air War College, Attn: EDRM. Maxwell AFB, AL 36112.

Report Classification: SECRET

Collection: Technical Reports

Title: (U) The Strategic Air Command Post Attack Command Control System: Past, Present and Future.

Accession Number: ADC015568

Personal Author(s): Hogan,Anthony T

Corporate Author: AIR WAR COLL MAXWELL AFB ALA

Report Date: Apr 1978

Descriptive Note: Research rept.,

Pages:93 Page(s)

Report Number: RR-374 *(RR374)*

FOIA UL Display

Distribution/Classification

Distribution Code:05 - CONTROLLED; DOD CONTROLLED

Distribution Statement:Distribution: Further dissemination only as directed by HQs Strategic Air Command, Offutt AFB, NE 68113-6000, OCT 1974, or higher DoD authority.

Report Classification: Unclassified

Collection: Technical Reports

Title: (U) Strategic Air Command Operations Order 90-75 COVER ALL

Accession Number: ADB340408

Corporate Author: STRATEGIC AIR COMMAND OFFUTT AFB NE

Report Date: 01 Oct 1974

Pages:213 Page(s)

Report Number: XC - SAC *(XC)*

Monitor Series: SAC

FOIA UL Display

Distribution/Classification

Distribution Code:02 - U.S. GOVT. AND THEIR CONTRACTORS , 51 - RESTRICTED DATA

Distribution Statement:Release or announcement to foreign governmentsor their nationals is not authorized.

Report Classification: SECRET

Collection: Technical Reports

Title: (U) PACCS

Accession Number: AD0354230

Corporate Author: BOEING CO SEATTLE WASH

Report Date: 04 Apr 1963

Pages:1 Page(s)

Report Number: D2 21108 *(D221108)*

FOIA UL Display

Distribution/Classification

Distribution Code:02 - U.S. GOVT. AND THEIR CONTRACTORS , 23 - AVAILABILITY: DOCUMENT PARTIALLY ILLEGIBLE

Distribution Statement:Distribution: NO FORN, Availability: Document partially illegible.

Report Classification: Unclassified

Collection: Technical Reports

Title: (U) PROCEEDINGS OF THE SECOND SESSION OF THE SEMINAR ON PERFORMANCE MEASUREMENTS FOR COMMAND AND CONTROL

Accession Number: AD0359225

Personal Author(s): Mandanis,G P

Corporate Author: SYSTEM DEVELOPMENT CORP SANTA MONICA CALIF

Report Date: 01 Oct 1964

Descriptive Note: Technical memo.,

Pages:145 Page(s)

Report Number: TM-2046 *(TM2046)*

FOIA UL Display

Distribution/Classification

Distribution Code:03 - U.S. GOVT. ONLY; DOD CONTROLLED

Distribution Statement:distribution limited to U.S. Gov't. agencies only; Test and Evaluation; 7 May 80. Other requests for this document must be referred to Director, Command and Control Technical Center, Attn: C600. Washington, DC 20301.

Report Classification: Unclassified

Collection: Technical Reports

Title: (U) Technical Test Plan for the Airborne UHF LOS performance Tests.

Accession Number: ADB049306

Personal Author(s): Baddley,Benny H

Corporate Author: COMMAND AND CONTROL TECHNICAL CENTER WASHINGTON DC

Report Date: 07 May 1980

Descriptive Note: Technical rept.,

Pages:37 Page(s)

Report Number: CCTC-TR-162-80 *(CCTCTR16280)* , SBI - AD-E100 360 *(SBIADE100360)*

Monitor Series: AD-E100 360 *(ADE100360)*

FOIA UL Display

Distribution/Classification

Distribution Code:02 - U.S. GOVT. AND THEIR CONTRACTORS

Distribution Statement:Distribution authorized to U.S. Gov't. agencies and their contractors; Administrative/Operational use; 16 May 2000. Other requests shall be referred to Defense Threat Reduction Agency, 45045 Aviation Dr., Dulles, VA 20166-7517.

Report Classification: Unclassified

Collection: Technical Reports

Title: (U) Superhard Structures in Rock. Nuclear Test Results

PDF URL: (pdf) - 1 MB -

Accession Number: AD0509453

Personal Author(s): Macdonald, Malcolm J

Corporate Author: GENERAL ELECTRIC CO SANTA BARBARA CA DASA INFORMATION AND ANALYSIS CENTER

Report Date: Feb 1970

Pages:52 Page(s)

Report Number: DASA - 2033 DTRA *(DASA)* , XV - 2033 DTRA *(XV)*

Monitor Series: 2033 , DTRA

Contract/Grant/Transfer Number: DASA01-70-C-0035 *(DASA0170C0035)*

FOIA UL Display

Distribution/Classification

Distribution Code:03 - U.S. GOVT. ONLY; DOD CONTROLLED

Distribution Statement:Distribution limited to US Government agencies only; Test and Evaluation; May 1981. Other requests for this document must be referred to AFWL (NTYV), Kirtland AFB, NM 87117.

Report Classification: Unclassified

Collection: Technical Reports

Title: (U) Evaluation of A C3 Environment Projected to Support an Advanced ICBM system

PDF URL: (pdf) - 1 MB -

Accession Number: ADC025761

Personal Author(s): Gilbert, W

Corporate Author: R AND D ASSOCIATES MARINA DEL REY CA

Report Date: May 1981

Descriptive Note: Final rept.

Pages:27 Page(s)

Report Number: RDA-TR-107634-002 *(RDATR107634002)* , AFWL - TR-80-80 AFWL *(AFWLTR8080)* , XC - TR-80-80 AFWL *(XCTR8080)*

Monitor Series: TR-80-80 *(TR8080)* , AFWL

Contract/Grant/Transfer Number: F29601-78-C-0006 *(F2960178C0006)*

FOIA UL Display

Distribution/Classification

Distribution Code:03 - U.S. GOVT. ONLY; DOD CONTROLLED

Distribution Statement:Distribution authorized to U.S. Gov't. agencies only; Test and Evaluation; 31 JUL 1987. Other requests shall be referred to Director, Defense Communication Agency, C4S (A500), Arlington Hall Station, Bldg. A, Arlington, VA 22212-5410.

Report Classification: Unclassified

Collection: Technical Reports

Title: (U) EC-135C PACER LINK Modification Qualification Operational Test and Evaluation Plan. Volume 1. Test Plan

PDF URL: (pdf) - 4 MB -

Accession Number: ADB113660

Personal Author(s): Bryant, Bradford J

Corporate Author: ELECTROSPACE SYSTEMS INC ARLINGTON VA

Report Date: 01 May 1987

Pages:94 Page(s)

Report Number: DCA/CCCCS - SPM-PT-6-86-1 DCA *(DCACCCCSSPMPT6861)* , XD - SPM-PT-6-86-1 DCA *(XDSPMPT6861)*

Monitor Series: SPM-PT-6-86-1 *(SPMPT6861)* , DCA

Contract/Grant/Transfer Number: DCA100-85-C-0010 *(DCA10085C0010)*

FOIA UL Display

Distribution/Classification

Distribution Code:03 - U.S. GOVT. ONLY; DOD CONTROLLED

Distribution Statement:Distribution limited to U.S. Gov't. agencies only; Test and Evaluation; 12 Mar 84. Other requests must be referred to the Director, CCEC (G500), The Pentagon, Washington, DC 20301.

Report Classification: SECRET

Collection: Technical Reports

Title: (U) Quarterly Report Covering UHF LOS Monitoring during POLO HAT 83-4 and Testing during Worldwide Technical Test 83-4.

Accession Number: ADC035493

Personal Author(s): Wittliff,T

Corporate Author: ELECTROSPACE SYSTEMS INC RICHARDSON TEX

Report Date: 12 Mar 1984

Descriptive Note: Technical rept.,

Pages:50 Page(s)

Report Number: CCEC - TR-67-84 *(CCECTR6784)*

Monitor Series: TR-67-84 *(TR6784)*

Contract/Grant/Transfer Number: DCA100-83-C-0011 *(DCA10083C0011)*

FOIA UL Display

Distribution/Classification

Distribution Code:02 - U.S. GOVT. AND THEIR CONTRACTORS

Distribution Statement:Distribution limited to U.S. Gov't. agencies and their Contractors; Specific authority; 25 Oct 83. Other requests must be referred to Director, Command and Control Technical Center, Attn: C600. Washington, DC 20301.

Report Classification: CONFIDENTIAL

Collection: Technical Reports

Title: (U) FY 80 MEECN Airborne UHF LOS Performance Test Summary Report.

Accession Number: ADC025045

Corporate Author: COMMAND AND CONTROL TECHNICAL CENTER WASHINGTON DC

Report Date: 25 Mar 1981

Descriptive Note: Technical rept.

Pages:38 Page(s)

Report Number: CCTC-TR-186-81 *(CCTCTR18681)*

FOIA UL Display

Distribution/Classification

Distribution Code:03 - U.S. GOVT. ONLY; DOD CONTROLLED

Distribution Statement:Distribution limited to U.S. Gov't. agencies only; Test and Evaluation; Dec 75. Other requests for this document must be referred to Director, Electromagnetic Compatibility Analysis Center, Annapolis, Md. 21402.

Report Classification: Unclassified

Collection: Technical Reports

Title: (U) EMC Analysis of EC-135C Airborne Command Post with AFSATCOM Earth Station.

Accession Number: ADC005063

Personal Author(s): Jann,Robert L

Corporate Author: IIT RESEARCH INST ANNAPOLIS MD

Report Date: Dec 1975

Descriptive Note: Final rept.,

Pages:104 Page(s)

Report Number: ECAC - PR-75-073 *(ECACPR75073)*

Monitor Series: PR-75-073 *(PR75073)*

Contract/Grant/Transfer Number: F19628-76-C-0017 *(F1962876C0017)*

FOIA UL Display

Distribution/Classification

Distribution Code:03 - U.S. GOVT. ONLY; DOD CONTROLLED

Distribution Statement:Distribution limited to U.S. Gov't. agencies only; Test and Evaluation; 30 Sep 74. Other requests for this document must be referred to Director, Defense Advanced Research Projects Agency, Attn: TIO. Arlington, Va. 22209.

Report Classification: Unclassified

Collection: Technical Reports

Title: (U) Special Study of Technology Impact.

Accession Number: AD0530326

Personal Author(s): Fontenot,M J

Corporate Author: STANFORD RESEARCH INST HUNTSVILLE ALA

Report Date: Jun 1974

Descriptive Note: Final rept. 27 Mar-18 Jun 74,

Pages:64 Page(s)

Contract/Grant/Transfer Number: DAAH01-74-C-0592 *(DAAH0174C0592)* , ARPA Order-2598 *(ARPAOrder2598)*

FOIA UL Display

Distribution/Classification

Distribution Code:03 - U.S. GOVT. ONLY; DOD CONTROLLED

Distribution Statement:Distribution limited to U.S. Gov't. agencies only; Test and Evaluation; Oct 76. Other requests for this document must be referred to Director, Electromagnetic Compatibility Analysis Center, Annapolis, Md. 21402.

Report Classification: Unclassified

Collection: Technical Reports

Title: (U) E-4 UHF Frequency Supportability.

Accession Number: ADC008120

Personal Author(s): Gray,Melvin ; Morrow,John ; Friske,Leo

Corporate Author: IIT RESEARCH INST ANNAPOLIS MD

Report Date: Oct 1976

Descriptive Note: Final rept.,

Pages:177 Page(s)

Report Number: ECAC - PR-76-039 *(ECACPR76039)*

Monitor Series: PR-76-039 *(PR76039)*

Contract/Grant/Transfer Number: F19628-76-C-0017 *(F1962876C0017)*

FOIA UL Display

Distribution/Classification

Distribution Code:03 - U.S. GOVT. ONLY; DOD CONTROLLED

Distribution Statement:Distribution limited to U.S. Gov't. agencies only; Test and Evaluation; 13 Jun 78. Other requests for this document must be referred to Commander, Electronic Systems Div., Attn: TOSI. Hanscom AFB, MA 01731.

Report Classification: Unclassified

Collection: Technical Reports

Title: (U) AFSATCOM I EMC Fix Validation Test Report,

Accession Number: ADB029148

Personal Author(s): Fletcher,Donovan D

Corporate Author: MITRE CORP BEDFORD MASS

Report Date: Jul 1978

Pages:146 Page(s)

Report Number: MTR-3551 *(MTR3551)* , ESD - TR-78-153 *(ESDTR78153)*

Monitor Series: TR-78-153 *(TR78153)*

Contract/Grant/Transfer Number: F19628-78-C-0001 *(F1962878C0001)*

FOIA UL Display

Distribution/Classification

Distribution Code:03 - U.S. GOVT. ONLY; DOD CONTROLLED

Distribution Statement:Distribution limited to U.S. Gov't. agencies only; Test and Evaluation; Mar 74. Other requests for this document must be referred to Director, Electromagnetic Compatibility Analysis Center, Annapolis, Md. 21402.

Report Classification: SECRET

Collection: Technical Reports

Title: (U) Potential Interference Analysis of Air Force Satellite Communications System (AFSATCOM) in Anti-Jam Mode.

Accession Number: AD0529601

Personal Author(s): Slye,William R , Jr ; Daniels,William W ; Jann,Robert L

Corporate Author: IIT RESEARCH INST ANNAPOLIS MD

Report Date: Mar 1974

Descriptive Note: Final rept.,

Pages:91 Page(s)

Report Number: ESD - TR-74-063 *(ESDTR74063)*

Monitor Series: TR-74-063 *(TR74063)*

Contract/Grant/Transfer Number: F19628-73-C-0031 *(F1962873C0031)*

FOIA UL Display

Distribution/Classification

Distribution Code:02 - U.S. GOVT. AND THEIR CONTRACTORS

Distribution Statement:Distribution authorized to U.S. Gov't. agencies and their contractors; Specific authority; 4 Jun 2001. Other requests shall be referred to Defense Threat Reduction Agency, 8725 John J. Kingman Road MS 6201, Ft. Belvoir, VA 22060-6201..

Report Classification: Unclassified

Collection: Technical Reports

Title: (U) WWMCCS Performance in a Severe Nuclear Environment

PDF URL: (pdf) - 7 MB -

Accession Number: ADC002557

Personal Author(s): Underhill, G R ; Llewellyn, R E ; Rodosta, J M ; Gabbard, G B ; Humphrey, C H

Corporate Author: STANFORD RESEARCH INST MENLO PARK CA

Report Date: Mar 1975

Descriptive Note: Technical rept. no 1, 1 May 1974-30 Jan 1975

Pages:152 Page(s)

Report Number: DNA - 3659F DNA *(DNA)* , XV - 3659F DNA *(XV)*

Monitor Series: 3659F , DNA

Contract/Grant/Transfer Number: DNA001-74-C-0271 *(DNA00174C0271)*

FOIA UL Display

Distribution/Classification

Distribution Code:03 - U.S. GOVT. ONLY; DOD CONTROLLED

Distribution Statement:Distribution limited to U.S. Gov't. agencies only; Test and Evaluation; 1 Nov 85. Other requests must be referred to The Director, C(4)S (A300), Defense Communications Agency, Washington, DC 20305-2000.

Report Classification: SECRET

Collection: Technical Reports

Title: (U) Results of UHF LOS Coverage Envelope Study of the 321st Strategic Missile Wing (SMW), Launch Control Facilities and Wing Command Post, Grand Forks AFB, North Dakota.

Accession Number: ADC040402

Personal Author(s): Gottschalk,Walter T ; Lenamond,Larry G

Corporate Author: ELECTROSPACE SYSTEMS INC ARLINGTON VA

Report Date: 15 Jan 1987

Descriptive Note: Final rpet. 13-23 Apr 86,

Pages:57 Page(s)

Report Number: DCA/CCCCS - TR-01-87 *(DCACCCCSTR0187)*

Monitor Series: TR-01-87 *(TR0187)*

Contract/Grant/Transfer Number: DCA100-85-C-0010 *(DCA10085C0010)*

FOIA UL Display

Distribution/Classification

Distribution Code:03 - U.S. GOVT. ONLY; DOD CONTROLLED

Distribution Statement:Distribution limited to U.S. Gov't. agencies only; Test and Evaluation; 1 Dec 84. Other requests must be referred to Director, CCSO (G500), Defense Communications Agency, Washington, DC 20305-2000.

Report Classification: SECRET

Collection: Technical Reports

Title: (U) Quarterly Report Covering UHF LOS Monitoring during JCS Exercise POLO HAT 84-3 and Testing during the Associated Worldwide Technical Test.

Accession Number: ADC037100

Personal Author(s): Wittliff,T ; Gottschalk,W T

Corporate Author: ELECTROSPACE SYSTEMS INC RICHARDSON TEX

Report Date: 01 Dec 1984

Descriptive Note: Final rept.,

Pages:52 Page(s)

Report Number: DCA/CCSO - TR-79-84 *(DCACCSOTR7984)*

Monitor Series: TR-79-84 *(TR7984)*

Contract/Grant/Transfer Number: DCA100-83-C-0011 *(DCA10083C0011)*

FOIA UL Display

Distribution/Classification

Distribution Code:03 - U.S. GOVT. ONLY; DOD CONTROLLED

Distribution Statement:Distribution limited to U.S. Gov't. agencies only; Test and Evaluation; 1 Mar 84. Other requests must be referred to CCEC (G500), The Pentagon, Washington, DC 20301.

Report Classification: SECRET

Collection: Technical Reports

Title: (U) FY83 MEECN WWABNCP UHF Network Air-to-Air & Air-to-Ground Technical Performance Tests.

Accession Number: ADC035496

Personal Author(s): Motz,D F

Corporate Author: ELECTROSPACE SYSTEMS INC RICHARDSON TEX

Report Date: 01 Mar 1984

Descriptive Note: Technical rept.,

Pages:110 Page(s)

Report Number: CCEC - TR-49-84 *(CCECTR4984)*

Monitor Series: TR-49-84 *(TR4984)*

Contract/Grant/Transfer Number: DCA100-83-C-0011 *(DCA10083C0011)*

FOIA UL Display

Distribution/Classification

Distribution Code:04 - DOD ONLY; DOD CONTROLLED , 57 - EXPORT CONTROL

Distribution Statement:Distribution authorized to DoD only; Critical Technology; 28 JUN 1990. Other requests shall be referred to Defense Advanced Research Projects Agency, 3701 North Fairfax Drive, Arlington, VA 22203-1714. This document contains export-controlled technical data.

Report Classification: Unclassified

Collection: Technical Reports

EXPORT CONTROL

Title: (U) Strategic Command, Control and Communications Experiment: A Strawman Scenario

PDF URL: (pdf) - 3 MB -

Accession Number: ADB145450

Personal Author(s): Salmon, Lawrence R

Corporate Author: SRI INTERNATIONAL MENLO PARK CA

Report Date: Mar 1982

Descriptive Note: Special rept

Pages:56 Page(s)

Report Number: SRI-SR-1 *(SRISR1)* , XD - DARPA *(XD)*

Monitor Series: DARPA

Contract/Grant/Transfer Number: MDA903-81-C-0072 *(MDA90381C0072)* , DARPA ORDER-4145 *(DARPAORDER4145)*

FOIA UL Display

Distribution/Classification

Distribution Code:03 - U.S. GOVT. ONLY; DOD CONTROLLED

Distribution Statement:Distribution limited to U.S. Gov't. agencies only; Test and Evaluation; 10 Dec 1982. Other requests for this document must be referred to Defense Communications Agency, Information Resources Management Div., Code 630, Washington, DC 20305.

Report Classification: Unclassified

Collection: Technical Reports

Title: (U) Exercise POLO HAT 82-2 MEECN Connectivity Report

PDF URL: (pdf) - 3 MB -

Accession Number: ADC030519

Personal Author(s): Long, Laurence G

Corporate Author: MITRE CORP MCLEAN VA MITRE C3I DIV

Report Date: 10 Dec 1982

Descriptive Note: Technical rept.

Pages:141 Page(s)

Report Number: CCTC - TR-236-82 CCTC *(CCTCTR23682)* , XD - TR-236-82 CCTC *(XDTR23682)*

Monitor Series: TR-236-82 *(TR23682)* , CCTC

Contract/Grant/Transfer Number: F19628-82-C-0001 *(F1962882C0001)*

FOIA UL Display

Distribution/Classification

Distribution Code:03 - U.S. GOVT. ONLY; DOD CONTROLLED

Distribution Statement:Distribution limited to U.S. Gov't. agencies only; Test and Evaluation; 1 Oct 84. Other requests must be referred to Director, CCSO (G500), Defense Communications Agency, Washington, DC 20305-2000.

Report Classification: SECRET

Collection: Technical Reports

Title: (U) Quarterly Report Covering UHF LOS Monitoring during JCS Exercise POLO HAT 84-1 and Testing during the Associated Worldwide Technical Test.

Accession Number: ADC036116

Personal Author(s): Gottschalk,W T ; Wittliff,T

Corporate Author: ELECTROSPACE SYSTEMS INC RICHARDSON TEX

Report Date: 01 Oct 1984

Descriptive Note: Technical rept.,

Pages:42 Page(s)

Report Number: CCSO - TR-77-84 *(CCSOTR7784)*

Monitor Series: TR-77-84 *(TR7784)*

Contract/Grant/Transfer Number: DCA100-83-C-0011 *(DCA10083C0011)*

FOIA UL Display

Distribution/Classification

Distribution Code:03 - U.S. GOVT. ONLY; DOD CONTROLLED

Distribution Statement:Distribution limited to U.S. Gov't. agencies only; Test and Evaluation; 1 Mar 85. Other requests must be referred to the Director, Command and Control Systems Organization, Attn: G500. Defense Communications Agency, Washington, DC 20305-2000.

Report Classification: SECRET

Collection: Technical Reports

Title: (U) Quarterly Report Covering UHF LOS Monitoring during JCS Exercise POLO HAT 84-4 and Testing during the Associated Worldwide Technical Test.

Accession Number: ADC037013

Personal Author(s): Gottschalk,W T ; Wittliff,T J

Corporate Author: ELECTROSPACE SYSTEMS INC RICHARDSON TEX

Report Date: 01 Mar 1985

Descriptive Note: Technical rept.,

Pages:39 Page(s)

Report Number: DCA/CCSO - TR-90-85 *(DCACCSOTR9085)*

Monitor Series: TR-90-85 *(TR9085)*

Contract/Grant/Transfer Number: DCA100-85-C-0010 *(DCA10085C0010)*

FOIA UL Display

Distribution/Classification

Distribution Code:02 - U.S. GOVT. AND THEIR CONTRACTORS

Distribution Statement:Distribution limited to U.S. Gov't. agencies and their Contractors; Specific authority; 20 Dec 82. Other requests must be referred to DCA, Information Resources Management Div., Code 630. Washington, DC 20305.

Report Classification: SECRET

Collection: Technical Reports

Title: (U) FY 82 MEECN WWABNCP UHF Network Air-to-Air and Air-to-Ground Technical Performance Tests.

Accession Number: ADC031564

Personal Author(s): Arey,Sheldon C

Corporate Author: COMMAND AND CONTROL TECHNICAL CENTER WASHINGTON DC

Report Date: 20 Dec 1982

Descriptive Note: Summary rept.,

Pages:66 Page(s)

Report Number: CCTC-TR-245-82 *(CCTCTR24582)*

FOIA UL Display

Distribution/Classification

Distribution Code:03 - U.S. GOVT. ONLY; DOD CONTROLLED

Distribution Statement:Distribution authorized to U.S. Gov't. agencies only; Test and Evaluation; 15 SEP 1976. Other requests shall be referred to Director, Command and Control Technical Center (C620), The Pentagon, Washington, DC 20301.

Report Classification: Unclassified

Collection: Technical Reports

Title: (U) Technical Report of the MEECN UHF/FDM Ground Entry Point Coverage Envelope Tests for the SAC PACCS Facilities

PDF URL: (pdf) - 38 MB -

Accession Number: ADB336338

Personal Author(s): Givens, Edmund K

Corporate Author: COMMAND AND CONTROL TECHNICAL CENTER WASHINGTON DC

Report Date: 15 Sep 1976

Descriptive Note: Technical publication

Pages:87 Page(s)

Report Number: CCTC-TP-14-76 *(CCTCTP1476)* , XD - CCTC *(XD)*

Monitor Series: CCTC

FOIA UL Display

Distribution/Classification

Distribution Code:04 - DOD ONLY; DOD CONTROLLED , 57 - EXPORT CONTROL

Distribution Statement:Distribution authorized to DoD only; Critical Technology; 25 FEB 1994. Other requests shall be referred to Air Force HQ, SAF/AQXA, Washington, DC 20330-1060. This document contains export-controlled technical data.

Report Classification: Unclassified

Collection: Technical Reports

EXPORT CONTROL

Title: (U) Program Management Directive for C/KC-135 Aircraft Integrated Weapon System Management (IESM)

PDF URL: (pdf) - 3 MB -

Accession Number: ADB180075

Corporate Author: DEPARTMENT OF THE AIR FORCE WASHINGTON DC

Report Date: 27 Jan 1994

Pages:70 Page(s)

Report Number: PMD-2343(1) *(PMD23431)* , XC - SAF/AQ *(XCSAFAQ)*

Monitor Series: SAF/AQ *(SAFAQ)*

FOIA UL Display

Distribution/Classification

Distribution Code:02 - U.S. GOVT. AND THEIR CONTRACTORS

Distribution Statement:Distribution authorized to U.S. Gov't. agencies and their contractors; Administrative/Operational Use; 04 JUN 2008. Other requests shall be referred to Defense Threat Reduction Agency, 8725 John J. Kingman Road, MS-6201, Fort Belvoir, VA 22060-6201.

Report Classification: Unclassified

Collection: Technical Reports

Title: (U) Integrated Nuclear Communications Assessment (INCA), Evaluation of Worldwide Airborne Command Post (WWABNCP) System

PDF URL: (pdf) - 9 MB -

Accession Number: ADC017090

Personal Author(s): Blank, H A

Corporate Author: COMPUTER SCIENCES CORP FALLS CHURCH VA

Report Date: Dec 1977

Descriptive Note: Interim rept. Jan-Dec 1977

Pages:359 Page(s)

Report Number: CSC/TR-77/3016 *(CSCTR773016)* , DNA - 4354Z-1B DNA *(DNA4354Z1B)* , XD - 4354Z-1B DNA *(XD4354Z1B)*

Monitor Series: 4354Z-1B *(4354Z1B)* , DNA

Contract/Grant/Transfer Number: DNA001-77-C-0115 *(DNA00177C0115)*

FOIA UL Display

Distribution/Classification

Distribution Code:03 - U.S. GOVT. ONLY; DOD CONTROLLED

Distribution Statement:Distribution limited to U.S. Gov't. agencies only; Test and Evaluation; 31 Aug 1982. Other requests for this document must be referred to Defense Communications Agency, Information Resources Management Div., Code 630, Washington, DC 20305.

Report Classification: Unclassified

Collection: Technical Reports

Title: (U) Exercise POLO HAT 82-1 SSBN Connectivity Report

PDF URL: (pdf) - 1 MB -

Accession Number: ADC030152

Personal Author(s): Ferrante, F E ; Free, C S

Corporate Author: MITRE CORP MCLEAN VA MITRE C3I DIV

Report Date: 31 Aug 1982

Descriptive Note: Technical rept.

Pages:54 Page(s)

Report Number: CCTC - TR-227-82 CCTC *(CCTCTR22782)* , XD - TR-227-82 CCTC *(XDTR22782)*

Monitor Series: TR-227-82 *(TR22782)* , CCTC

Contract/Grant/Transfer Number: F19628-82-C-0001 *(F1962882C0001)*

FOIA UL Display

Distribution/Classification

Distribution Code:03 - U.S. GOVT. ONLY; DOD CONTROLLED

Distribution Statement:Distribution limited to U.S. Gov't. agencies only; Test and Evaluation; 15 Apr 78. Other requests for this document must be referred to Director, Command and Control Technical Center, Attn: C650. Washington, DC 20301.

Report Classification: Unclassified

Collection: Technical Reports

Title: (U) Descriptions of MEECN and MEECN Supporting Systems

PDF URL: (pdf) - 6 MB -

Accession Number: ADC015416

Personal Author(s): Van Sickels, Edward M

Corporate Author: COMMAND AND CONTROL TECHNICAL CENTER WASHINGTON DC

Report Date: 15 Apr 1978

Descriptive Note: Technical memo. for CY 1978-1979

Pages:160 Page(s)

Report Number: CCTC-TM-178-78 *(CCTCTM17878)* , XD - CCTC *(XD)*

Monitor Series: CCTC

FOIA UL Display

Distribution/Classification

Distribution Code:03 - U.S. GOVT. ONLY; DOD CONTROLLED

Distribution Statement:Distribution authorized to U.S. Gov't. agencies only; Administrative/Operational Use; 04 AUG 1982. Other requests shall be referred to Air Command and Staff College, Attn: EDCC, Maxwell AFB, AL 36112.

Report Classification: Unclassified

Collection: Technical Reports

Title: (U) Advanced Airborne Command Post Aircraft: A Case Study

PDF URL: (pdf) - 1 MB -

Accession Number: ADB066298

Personal Author(s): Pederson, Arvid P

Corporate Author: AIR COMMAND AND STAFF COLL MAXWELL AFB AL

Report Date: Mar 1982

Descriptive Note: Student rept.

Pages:52 Page(s)

Report Number: ACSC-82-1970 *(ACSC821970)* , XC - ACSC *(XC)*

Monitor Series: ACSC

FOIA UL Display

Distribution/Classification

Distribution Code:02 - U.S. GOVT. AND THEIR CONTRACTORS

Distribution Statement:Distribution limited to U.S. Gov't. agencies and their contractors; Specificauthority; 17 Dec 86. Other requests must be referred to Director, Air Force Weapons Lab., Attn: NTYP. Kirtland AFB, NM 87117.

Report Classification: Unclassified

Collection: Technical Reports

Title: (U) Air Force Roles for Neutral Particle Beams

PDF URL: (pdf) - 9 MB -

Accession Number: ADC020447

Personal Author(s): Hundley, R ; Johnson, S ; LeLevier, R ; Yoon, B

Corporate Author: R AND D ASSOCIATES MARINA DEL REY CA

Report Date: Oct 1979

Descriptive Note: Final rept

Pages:228 Page(s)

Report Number: RDA-TR-172700-001 *(RDATR172700001)* , AFWL - TR-78-106 AFWL *(AFWLTR78106)* , XC - TR-78-106 AFWL *(XCTR78106)*

Monitor Series: TR-78-106 *(TR78106)* , AFWL

Contract/Grant/Transfer Number: F29601-77-C-0089 *(F2960177C0089)*

FOIA UL Display

Distribution/Classification

Distribution Code:03 - U.S. GOVT. ONLY; DOD CONTROLLED , 23 - AVAILABILITY: DOCUMENT PARTIALLY ILLEGIBLE

Distribution Statement:Distribution authorized to U.S. Gov't. agencies only; Test and Evaluation; 20 OCT 1972. Other requests shall be referred to Commander, Naval Air Systems Command, ATTN: AIR-50174, Washington, DC 20362. Document partially illegible.

Report Classification: Unclassified

Collection: Technical Reports

Title: (U) MODEL P5M-1

PDF URL: (pdf) - 741 KB -

Accession Number: AD0008677

Personal Author(s): HOOK, F L ; ERLANDSON, Q ; MEALEY, R M

Corporate Author: MARTIN (GLENN L) CO BALTIMORE MD

Report Date: Feb 1952

Descriptive Note: Flight test activities rept. no. 29 for the week ending 1 Feb 1952

Pages:14 Page(s)

Report Number: GLM-ER-4879 *(GLMER4879)* , XB - BUAER *(XB)*

Monitor Series: BUAER

Contract/Grant/Transfer Number: NOAS-10382 *(NOAS10382)*

FOIA UL Display

Distribution/Classification

Distribution Code:03 - U.S. GOVT. ONLY; DOD CONTROLLED , 57 - EXPORT CONTROL

Distribution Statement:Distribution authorized to U.S. Gov't. agencies only; Test and Evaluation; MAR 1983. Other requests shall be referred to 1815 Test and Evaluation Squadron, Wright-Patterson AFB, OH 45433. This document contains export-controlled technical data.

Report Classification: Unclassified

Collection: Technical Reports

EXPORT CONTROL

Title: (U) AN/GRC-212 Communications System (Scope Signal III) Qualification Operational Test and Evaluation

PDF URL: (pdf) - 5 MB -

Accession Number: ADB316181

Personal Author(s): Musard, III, Henry A

Corporate Author: OPERATIONAL TEST AND EVALUATION SQUADRON (1815TH) WRIGHT-PATTERSON AFB OH

Report Date: Mar 1983

Descriptive Note: Rept. for 18 Jul-1 Dec 1982

Pages:100 Page(s)

Report Number: 82-AFCC-763 *(82AFCC763)* , XC - OTES* *(XCOTES)*

Monitor Series: OTES* *(OTES)*

FOIA UL Display

Distribution/Classification

Distribution Code:16 - DOD AND THEIR CONTRACTORS , 57 - EXPORT CONTROL

Distribution Statement:Distribution authorized to DoD and DoD contractors only; Administrative/Operational Use; 11 MAY 2012. Other requests shall be referred to 526th

Intercontinental Ballistic Missile Systems Group, Air Force Nuclear Weapons Center, 6014 Dogwood Ave., Hill AFB, UT 84056-5816. This document contains export-controlled technical data.

Report Classification: Unclassified

Collection: Technical Reports

EXPORT CONTROL

Title: (U) ICBM Long-Range Planning (ILRP) Airborne Launch Control System (ALCS) Study Final Report

PDF URL: (pdf) - 13 MB -

Accession Number: ADB380910

Personal Author(s): Jensen, Douglas

Corporate Author: NORTHROP GRUMMAN CORP CLEARFIELD UT INTERCONTINENTAL BALLISTIC MISSILE PRIME INTEGRATION CONTRACT OFFICE

Report Date: 11 May 2012

Descriptive Note: Final rept. 11 May 2011-11 May 2012

Pages:153 Page(s)

Report Number: PRIME-113504 *(PRIME113504)* , XC - AFNWC/ICBMFS *(XCAFNWCICBMFS)*

Monitor Series: AFNWC/ICBMFS *(AFNWCICBMFS)*

Contract/Grant/Transfer Number: F42610-98-C-0001 *(F4261098C0001)*

FOIA UL Display

Distribution/Classification

Distribution Code:04 - DOD ONLY; DOD CONTROLLED

Distribution Statement:Distribution authorized to DoD only; Administrative/Operational Use; 20 JAN 2012. Other requests shall be referred to Headquarters, Air Education and Training Command, 502d Air Base Wing, JBSA Randolph, TX 78150-5000.

Report Classification: Unclassified

Collection: Technical Reports

Title: (U) Joint Base San Antonio. JBSA Randolph Antiterrorism Plan 10-245

PDF URL: (pdf) - 3 MB -

Accession Number: ADB383075

Corporate Author: AIR EDUCATION AND TRAINING COMMAND RANDOLPH AFB TX

Report Date: 20 Jan 2012

Pages:447 Page(s)

Report Number: XC - AETC *(XC)*

Monitor Series: AETC

FOIA UL Display

Distribution/Classification

Distribution Code:02 - U.S. GOVT. AND THEIR CONTRACTORS

Distribution Statement:Distribution authorized to U.S. Gov't. agencies and their contractors; Administrative/Operational Use; 31 AUG 2009. Other requests shall be referred to Defense Threat Reduction Agency, 8725 John J. Kingman Rd., Stop 6201, Fort Belvoir, VA 22060-6201.

Report Classification: Unclassified

Collection: Technical Reports

Title: (U) History of the AFSWP, DASA, DNA, DSWA SAGE - Scientific Advisory Group on Effects 1953 - 1993. Volume 1

PDF URL: (pdf) - 5 MB -

Accession Number: ADB353231

Personal Author(s): Brode, Harold L

Corporate Author: DEFENSE THREAT REDUCTION INFORMATION ANALYSIS CENTER KIRTLAND AFB NM

Report Date: Sep 2009

Descriptive Note: Special rept. 1953-1993

Pages:574 Page(s)

Report Number: DTRIAC-SR-09-002-VOL-1 *(DTRIACSR09002VOL1)* , XD - DTRA/FB *(XDDTRAFB)*

Monitor Series: DTRA/FB *(DTRAFB)*

Contract/Grant/Transfer Number: DTRA-01-03-0-0022 *(DTRA010300022)*

FOIA UL Display

Distribution/Classification

Distribution Code:03 - U.S. GOVT. ONLY; DOD CONTROLLED

Distribution Statement:Distribution authorized to U.S. Gov't. agencies only; Specific Authority; 1 Jan 1988. Other requests shall be referred to US Army National Ground Intelligence Ctr., 2055 Boulders Rd., Charlottesville, VA 22911-8318.

Report Classification: Unclassified

Collection: Technical Reports

Title: (U) Function and System Architecture of the Mobile C3I System

PDF URL: (pdf) - 56 KB -

Accession Number: ADB283323

Personal Author(s): Jishi, Wang

Corporate Author: NATIONAL GROUND INTELLIGENCE CENTER CHARLOTTESVILLE VA

Report Date: 25 Jun 2002

Pages:16 Page(s)

Report Number: NGIC-2002-00206-HT *(NGIC200200206HT)* , XA - NGIC *(XA)*

Monitor Series: NGIC

FOIA UL Display

Distribution/Classification

Distribution Code:02 - U.S. GOVT. AND THEIR CONTRACTORS

Distribution Statement:Distribution authorized to U.S. Govt. agencies and their contractors; Administratiive/Operational Use; 6 Jan 95. Other requests shall be referred to Air Force Logistics Management Agency/LGM, Maxwell AFB, Gunter Annex, AL 36114-3236.

Report Classification: Unclassified

Collection: Technical Reports

Title: (U) Logistics Handbook for Aircraft Maintenance Managers.

PDF URL: (pdf) - 14 MB -

Accession Number: ADB195736

Personal Author(s): Labosky, Michael J ; Anderson, Lyndon S

Corporate Author: AIR FORCE LOGISTICS MANAGEMENT AGENCY GUNTER AFB AL

Report Date: Nov 1994

Descriptive Note: Final rept.,

Pages:275 Page(s)

Report Number: AFLMA-LM930352 *(AFLMALM930352)* , XC - USAF *(XC)*

Monitor Series: USAF

FOIA UL Display

Distribution/Classification

Distribution Code:02 - U.S. GOVT. AND THEIR CONTRACTORS , 57 - EXPORT CONTROL

Distribution Statement:Distribution authorized to U.S. Gov't. agencies and their contractors; Critical Technology; Jun 94. Other requests shall be re ferred to PL/WSC, Kirtland AFB, NM 87117-5776., This document contains export-controlled technical data.

Report Classification: Unclassified

Collection: Technical Reports

EXPORT CONTROL

Title: (U) Report on USAF Space Debris Phase 1 Study.

PDF URL: (pdf) - 6 MB -

Accession Number: ADB194808

Personal Author(s): Maethner, Scott R ; Reinhardt, Albert E ; Anderson, Larry O

Corporate Author: PHILLIPS LAB KIRTLAND AFB NM

Report Date: Jun 1994

Descriptive Note: Final rept. Jan-Jun 94,

Pages:136 Page(s)

Report Number: PL-TR--94-1042 *(PLTR941042)* , XC - PL/NM *(XCPLNM)*

Monitor Series: PL/NM *(PLNM)*

FOIA UL Display

Distribution/Classification

Distribution Code:02 - U.S. GOVT. AND THEIR CONTRACTORS

Distribution Statement:Distribution authorized to U.S. Gov't. agencies and their contractors; Administrative/Operational Use; 20 Apr 94. Other requests shall be referred to NUWC Div., Newport RI 02840.

Report Classification: Unclassified

Collection: Technical Reports

Title: (U) Acronyms, Initialisms, and Ship Designators: A Selected List. Fourth Edition

PDF URL: (pdf) - 5 MB -

Accession Number: ADB206149

Corporate Author: NAVAL UNDERSEA WARFARE CENTER NEWPORT DIV RI

Report Date: 20 Apr 1994

Descriptive Note: Technical Document.

Pages:125 Page(s)

Report Number: NUWC-NPT-TD-10601 *(NUWCNPTTD10601)* , XB - NUWC-NPT *(XBNUWCNPT)*

Monitor Series: NUWC-NPT *(NUWCNPT)*

FOIA UL Display

Distribution/Classification

Distribution Code:03 - U.S. GOVT. ONLY; DOD CONTROLLED

Distribution Statement:Distribution authorized to U.S. Gov't. agencies only; Administrative/Operational Use; JAN 1994. Other requests shall be referred to Commanding Officer, Naval Command, Control and Ocean Surveillance Center, RDT&E Div., San Diego, CA 92152-5001.

Report Classification: Unclassified

Collection: Technical Reports

Title: (U) Acronyms, Initialisms, and Abbreviations. Revision 5

PDF URL: (pdf) - 9 MB -

Accession Number: ADB183190

Corporate Author: NAVAL COMMAND CONTROL AND OCEAN SURVEILLANCE CENTER RDT AND E DIV SAN DIEGO CA

Report Date: Jan 1994

Descriptive Note: Technical document

Pages:221 Page(s)

Report Number: NCCOSC/RDT/E-TD-445-REV-5 *(NCCOSCRDTETD445REV5)* , XB - NCCOSC/RDT/E *(XBNCCOSCRDTE)*

Monitor Series: NCCOSC/RDT/E *(NCCOSCRDTE)*

FOIA UL Display

Distribution/Classification

Distribution Code:16 - DOD AND THEIR CONTRACTORS

Distribution Statement:Distribution authorized to DoD and DoD contractors only; Administrative/Operational Use; JUL 1993. Other requests shall be referred to Army Space Institute, Fort Leavenworth, KS 66027.

Report Classification: Unclassified

Collection: Technical Reports

Title: (U) U. S. Army Space Reference Text

PDF URL: (pdf) - 22 MB -

Accession Number: ADB176557

Personal Author(s): Barker, Jefferson H

Corporate Author: EOS TECHNOLOGIES INC LEAVENWORTH KS

Report Date: Jul 1993

Descriptive Note: Final rept. Jun 1992-Jul 1993

Pages:299 Page(s)

Report Number: XA - USASI *(XA)*

Monitor Series: USASI

Contract/Grant/Transfer Number: DABT60-89-C-1527 *(DABT6089C1527)*

FOIA UL Display

Distribution/Classification

Distribution Code:02 - U.S. GOVT. AND THEIR CONTRACTORS , 57 - EXPORT CONTROL

Distribution Statement:Distribution authorized to U.S. Gov't. agencies and their contractors; Administrative/Operational Use; NOV 1991. Other requests shall be referred to Phillips Laboratory, Attn: WST, Kirtland AFB, NM 87117-6008. This document contains export-controlled technical data.

Report Classification: Unclassified

Collection: Technical Reports

EXPORT CONTROL

Title: (U) Recovery Airfield Monitor and Status (RAMSTAT) System

PDF URL: (pdf) - 3 MB -

Accession Number: ADB160500

Personal Author(s): Sullivan, Marvin ; Nichols, Wesley G

Corporate Author: COMPUTER SCIENCES CORP ALBUQUERQUE NM

Report Date: Nov 1991

Descriptive Note: Final rept. Mar 1990-Oct 1991

Pages:70 Page(s)

Report Number: PL - TR--91-1072 PL *(PLTR911072)* , XC - TR--91-1072 PL *(XCTR911072)*

Monitor Series: TR--91-1072 *(TR911072)* , PL

Contract/Grant/Transfer Number: F29601-87-C-0207 *(F2960187C0207)*

FOIA UL Display

Distribution/Classification

Distribution Code:04 - DOD ONLY; DOD CONTROLLED , 57 - EXPORT CONTROL

Distribution Statement:Distribution authorized to DoD only; Critical Technology; JUL 1991. Other requests shall be referred to Air Force Rome Laboratory, RL (COES), Griffis AFB, NY 13441-5700. This document contains export-controlled technical data.

Report Classification: Unclassified

Collection: Technical Reports

EXPORT CONTROL

Title: (U) A Model of Trans-/Post SIOP Strategic Distributed Planning. Volume 2

PDF URL: (pdf) - 30 MB -

Accession Number: ADB156593

Personal Author(s): Cromarty, Andrew S ; Grover, Mark D ; Vitarelli, Jerome

Corporate Author: ADVANCED DECISION SYSTEMS MOUNTAIN VIEW CA

Report Date: Jul 1991

Descriptive Note: Final technical rept. Nov 1987-Nov 1989

Pages:232 Page(s)

Report Number: ADS-TR-3191-2 *(ADSTR31912)* , RL - TR-91-91-VOL-2 RL* *(RLTR9191VOL2 RL)* , XC - TR-91-91-VOL-2 RL* *(XCTR9191VOL2 RL)*

Monitor Series: TR-91-91-VOL-2 *(TR9191VOL2)* , RL* *(RL)*

Contract/Grant/Transfer Number: F30602-87-C-0199 *(F3060287C0199)*

FOIA UL Display

Distribution/Classification

Distribution Code:03 - U.S. GOVT. ONLY; DOD CONTROLLED

Distribution Statement:Distribution authorized to U.S. Gov't. agencies only; Administrative/Operational Use; APR 1991. Other requests shall be referred to Commander, Naval Ocean Systems Center, San Diego, Ca 92152-5000.

Report Classification: Unclassified

Collection: Technical Reports

Title: (U) Acronyms, Initialisms, and Abbreviations. Revision 4

PDF URL: (pdf) - 10 MB -

Accession Number: ADB155436

Corporate Author: NAVAL OCEAN SYSTEMS CENTER SAN DIEGO CA

Report Date: Apr 1991

Descriptive Note: Technical document.

Pages:219 Page(s)

Report Number: NOSC/TD-445-REV-4 *(NOSCTD445REV4)* , XB - NOSC *(XB)*

Monitor Series: NOSC

FOIA UL Display

Distribution/Classification

Distribution Code:02 - U.S. GOVT. AND THEIR CONTRACTORS , 57 - EXPORT CONTROL

Distribution Statement:Distribution authorized to U.S. Gov't. agencies and their contractors; Critical Technology; JUN 1994. Other requests shall be referred to ASC/NAR, Wright-Patterson AFB, OH 45433. This document contains export-controlled technical data.

Report Classification: Unclassified

Collection: Technical Reports

EXPORT CONTROL

Title: (U) Hypersonic Vehicle Advanced Technology Plan

PDF URL: (pdf) - 3 MB -

Accession Number: ADB185538

Corporate Author: SCIENCE APPLICATIONS INTERNATIONAL CORP DAYTON OH

Report Date: Oct 1990

Descriptive Note: Final rept.

Pages:84 Page(s)

Report Number: ASC* - TR-94-9017 ASC* *(ASCTR949017 ASC)* , XC - TR-94-9017 ASC* *(XCTR949017 ASC)*

Monitor Series: TR-94-9017 *(TR949017)* , ASC* *(ASC)*

Contract/Grant/Transfer Number: F33657-87-D-0210 *(F3365787D0210)*

FOIA UL Display

Distribution/Classification

Distribution Code:02 - U.S. GOVT. AND THEIR CONTRACTORS , 23 - AVAILABILITY: DOCUMENT PARTIALLY ILLEGIBLE

Distribution Statement:Distribution authorized to U.S. Gov't. agencies and their contractors; Administrative/Operational Use; MAR 1990. Other requests shall be referred to Superintendent, Naval Postgraduate School, Code 043. Monterey, CA 93943-5000. Document partially illegible.

Report Classification: Unclassified

Collection: Technical Reports

Title: (U) The Naval Airship Program: Its Potential Applications in Support of Command, Control and Communications

PDF URL: (pdf) - 5 MB -

Accession Number: ADB147874

Personal Author(s): Pepper, Alan N

Corporate Author: NAVAL POSTGRADUATE SCHOOL MONTEREY CA

Report Date: Mar 1990

Descriptive Note: Master's thesis

Pages:111 Page(s)

Report Number: XB - NPS *(XB)*

Monitor Series: NPS

FOIA UL Display

Distribution/Classification

Distribution Code:03 - U.S. GOVT. ONLY; DOD CONTROLLED , 57 - EXPORT CONTROL

Distribution Statement:Distribution authorized to U.S. Gov't. agencies only; Test and Evaluation; 01 FEB 1989. Other requests shall be referred to HQ Strategic Air Command, Attn: SAC/DOB, Offutt AFB, NE 68113-5001. This document contains export-controlled technical data.

Report Classification: Unclassified

Collection: Technical Reports

EXPORT CONTROL

Title: (U) Command Center Upgrade Qualifications Operational Test and Evaluation Plan

PDF URL: (pdf) - 8 MB -

Accession Number: ADB333107

Personal Author(s): Talty, Aida M

Corporate Author: STRATEGIC AIR COMMAND OFFUTT AFB NE

Report Date: Feb 1989

Pages:67 Page(s)

Report Number: XC - SAC *(XC)*

Monitor Series: SAC

FOIA UL Display

Distribution/Classification

Distribution Code:16 - DOD AND THEIR CONTRACTORS , 57 - EXPORT CONTROL

Distribution Statement:Distribution authorized to DoD and DoD contractors only; Critical Technology; 18 MAY 1990. Other requests shall be referred to Defense Advanced Research Projects Agency, Attn: TIO, 3701 North Fairfax Drive, Arlington, VA 22203-1714. This document contains export-controlled technical data.

Report Classification: Unclassified

Collection: Technical Reports

EXPORT CONTROL

Title: (U) Strategic Command, Control, and Communications Experiment

PDF URL: (pdf) - 11 MB -

Accession Number: ADB143820

Personal Author(s): Frankel, Michael ; Baker, Bob ; Siarkiewicz, Emilie ; Kahn, Robert

Corporate Author: SRI INTERNATIONAL MENLO PARK CA

Report Date: Jan 1989

Pages:246 Page(s)

Report Number: XD - DARPA *(XD)*

Monitor Series: DARPA

FOIA UL Display

Distribution/Classification

Distribution Code:16 - DOD AND THEIR CONTRACTORS , 57 - EXPORT CONTROL

Distribution Statement:Distribution authorized to DoD and DoD contractors only; Critical Technology; MAR 1988. Other requests shall be referred to Defense Advanced Research Projects Agency, ASBD-TIO, 3701 North Fairfax Drive, Arlington, VA 22203-1714. This document contains export-controlled technical data.

Report Classification: Unclassified

Collection: Technical Reports

EXPORT CONTROL

Title: (U) Strategic Command, Control, and Communications Experiment-History and Achievements

PDF URL: (pdf) - 7 MB -

Accession Number: ADB126351

Personal Author(s): Fair, Boyd C ; Frankel, Michael S

Corporate Author: SRI INTERNATIONAL MENLO PARK CA

Report Date: Mar 1988

Descriptive Note: Final technical rept. May 1980-Dec 1986

Pages:221 Page(s)

Report Number: SRI-8555 *(SRI8555)* , RADC - TR-88-21 DARPA *(RADCTR8821)* , XD - TR-88-21 DARPA *(XDTR8821)*

Monitor Series: TR-88-21 *(TR8821)* , DARPA

Contract/Grant/Transfer Number: F30602-85-C-0073 *(F3060285C0073)* , ARPA ORDER-4715 *(ARPAORDER4715)*

FOIA UL Display

Distribution/Classification

Distribution Code:03 - U.S. GOVT. ONLY; DOD CONTROLLED , 57 - EXPORT CONTROL

Distribution Statement:Distribution authorized to U.S. Gov't. agencies only; Administrative/Operational Use; FEB 1988. Other requests shall be referred to Assistant Secretary of the Air Force (Acquistion), Attn: SAF/AQR, the Pentagon, Washington, DC 20330. This document contains export-controlled technical data.

Report Classification: Unclassified

Collection: Technical Reports

EXPORT CONTROL

Title: (U) Air Force Avionics Roadmap. Volume 1

PDF URL: (pdf) - 34 MB -

Accession Number: ADB121020

Corporate Author: ANSER ARLINGTON VA

Report Date: Feb 1988

Pages:522 Page(s)

Report Number: XC - SAF/AQ *(XCSAFAQ)*

Monitor Series: SAF/AQ *(SAFAQ)*

Contract/Grant/Transfer Number: F49620-86-C-0047 *(F4962086C0047)*

FOIA UL Display

Distribution/Classification

Distribution Code:03 - U.S. GOVT. ONLY; DOD CONTROLLED

Distribution Statement:Distribution authorized to U.S. Gov't. agencies only; Proprietary Info.; Mar 1987. Other requests shall be referred to Rome Air Development Ctr., Griffiss AFB, NY 13441.

Report Classification: Unclassified

Collection: Technical Reports

Title: (U) Multiple Satellite System Program. System Performance and Trade-Off Study

PDF URL: (pdf) - 6 MB -

Accession Number: ADB302309

Personal Author(s): Bartlett, Robert O ; Blum, D ; Geissler, D ; Kumar, N ; Miles, Nicholas

Corporate Author: SPACECOM GAITHERSBURG MD

Report Date: 18 Mar 1987

Descriptive Note: Final technical rept.

Pages:210 Page(s)

Report Number: TR-1010003 *(TR1010003)* , XC - RADC *(XC)*

Monitor Series: RADC

Contract/Grant/Transfer Number: F30602-86-C-0035 *(F3060286C0035)* , ARPA ORDER-5598 *(ARPAORDER5598)*

FOIA UL Display

Distribution/Classification

Distribution Code:04 - DOD ONLY; DOD CONTROLLED

Distribution Statement:Distribution authorized to DoD only; Direct Military Support; 07 JUN 1991. Other requests shall be referred to Office of the Secretary of Defense, Office of Net Assessment, The Pentagon, Room 3A930, Washington, DC 20301-2950.

Report Classification: Unclassified

Collection: Technical Reports

Title: (U) Extended Deterrence, the SDI, and Alliance Cohesion

PDF URL: (pdf) - 5 MB -

Accession Number: ADB156310

Personal Author(s): Gray, Colin S

Corporate Author: NATIONAL INST FOR PUBLIC POLICY FAIRFAX VA

Report Date: 13 Aug 1986

Descriptive Note: Final rept.

Pages:122 Page(s)

Report Number: OSD/NA - 86-1574 OSD/NA *(OSDNA861574 OSDNA)* , XD - 86-1574 OSD/NA *(XD861574 OSDNA)*

Monitor Series: 86-1574 *(861574)* , OSD/NA *(OSDNA)*

Contract/Grant/Transfer Number: MDA9034-86-C-0072 *(MDA903486C0072)*

FOIA UL Display

Distribution/Classification

Distribution Code:04 - DOD ONLY; DOD CONTROLLED , 23 - AVAILABILITY: DOCUMENT PARTIALLY ILLEGIBLE

Distribution Statement:Distribution authorized to DoD only; Direct Military Support; 18 OCT 1991. Other requests shall be referred to Office of the Secretary of Defense, Office of Net Assessment, The Pentagon, Room 3A930, Washington, DC 20301-2950. Document partially illegible.

Report Classification: Unclassified

Collection: Technical Reports

Title: (U) Extended Deterrence

PDF URL: (pdf) - 15 MB -

Accession Number: ADB159440

Personal Author(s): Gray, Colin S ; Coleman, Jill E

Corporate Author: NATIONAL INST FOR PUBLIC POLICY FAIRFAX VA

Report Date: Aug 1986

Descriptive Note: Final rept.

Pages:370 Page(s)

Report Number: XD - OSD/NA *(XDOSDNA)*

Monitor Series: OSD/NA *(OSDNA)*

Contract/Grant/Transfer Number: MDA903-86-C-0072 *(MDA90386C0072)*

FOIA UL Display

Distribution/Classification

Distribution Code:02 - U.S. GOVT. AND THEIR CONTRACTORS

Distribution Statement:Distribution authorized to U.S. Gov't. agencies and their contractors; Administrative/Operational Use; 31 MAR 1987. Other requests shall be referred to Defense Threat Reduction Agency, 8725 John J. Kingman Road, MS-6201, Fort Belvoir, VA 22060-6201.

Report Classification: Unclassified

Collection: Technical Reports

Title: (U) CONUS Strategic Postattack Recovery: Radiobiological Considerations

PDF URL: (pdf) - 5 MB -

Accession Number: ADB116414

Personal Author(s): McClellan, Gene E ; Anno, George H

Corporate Author: PACIFIC-SIERRA RESEARCH CORP LOS ANGELES CA

Report Date: 30 May 1986

Descriptive Note: Technical rept. 24 Sep 1984-30 May 1986

Pages:137 Page(s)

Report Number: PSR-1636 *(PSR1636)* , DNA - TR-86-212 DNA *(DNATR86212)* , XD - TR-86-212 DNA *(XDTR86212)*

Monitor Series: TR-86-212 *(TR86212)* , DNA

Contract/Grant/Transfer Number: DNA001-84-C-0436 *(DNA00184C0436)*

FOIA UL Display

Distribution/Classification

Distribution Code:04 - DOD ONLY; DOD CONTROLLED , 57 - EXPORT CONTROL

Distribution Statement:Distribution authorized to DoD only; Critical Technology; 20 JAN 1990. Other requests shall be referred to Air UniversityI Press, Attn: CADRE/RI, Maxwell AFB, AL 36112-5532. This document contains export-controlled technical data.

Report Classification: Unclassified

Collection: Technical Reports

EXPORT CONTROL

Title: (U) A Guide to Strategic Aircraft Basing

PDF URL: (pdf) - 5 MB -

Accession Number: ADB139020

Personal Author(s): Sakaldasis, George J

Corporate Author: AIR UNIV MAXWELL AFB AL AIRPOWER RESEARCH INST

Report Date: Apr 1986

Pages:114 Page(s)

Report Number: AU-ARI-86-1 *(AUARI861)* , XC - CADRE *(XC)*

Monitor Series: CADRE

FOIA UL Display

Distribution/Classification

Distribution Code:02 - U.S. GOVT. AND THEIR CONTRACTORS , 57 - EXPORT CONTROL

Distribution Statement:Distribution authorized to U.S. Gov't. agencies and their contractors; Administrative/Operational Use; 09 JUL 1986. Other requests shall be referred to ACSC/EDCC, Maxwell AFB, AL 36112-5542. This document contains export-controlled technical data.

Report Classification: Unclassified

Collection: Technical Reports

EXPORT CONTROL

Title: (U) A Guide for the ICBM (Intercontinental Ballistic Missile) Maintenance Officer

PDF URL: (pdf) - 6 MB -

Accession Number: ADB103381

Personal Author(s): Demarest, Jr , Victor A ; Jensen, Larry L

Corporate Author: AIR COMMAND AND STAFF COLL MAXWELL AFB AL

Report Date: Apr 1986

Pages:116 Page(s)

Report Number: ACSC-86-0685 *(ACSC860685)* , XC - ACSC *(XC)*

Monitor Series: ACSC

FOIA UL Display

Distribution/Classification

Distribution Code:03 - U.S. GOVT. ONLY; DOD CONTROLLED , 23 - AVAILABILITY: DOCUMENT PARTIALLY ILLEGIBLE , 57 - EXPORT CONTROL

Distribution Statement:Distribution authorized to U.S. Gov't. agencies only; Test and Evaluation; SEP 1985. Other requests shall be referred to Defense Communications Agency, HQ DCA, Code B792, Washington, DC 20305. Document partially illegible. This document contains export-controlled technical data.

Report Classification: Unclassified

Collection: Technical Reports

EXPORT CONTROL

Title: (U) Digital European Backbone Segment IIB project Backdoor. Kaiserslautern - Ramstein Microwave Link (M0704) (Link System Acceptance Test)

PDF URL: (pdf) - 13 MB -

Accession Number: ADB143340

Personal Author(s): Rogers, Steve A

Corporate Author: OPERATIONAL TEST AND EVALUATION SQUADRON (1815TH) APO NEW YORK 09012 DETACHMENT 2

Report Date: Oct 1985

Descriptive Note: Follow-on Operational Test and Evaluation, Phase 2, 28 Mar-12 Apr 1985

Pages:129 Page(s)

Report Number: 1815-WB-85-144 *(1815WB85144)* , XD - DCA *(XD)*

Monitor Series: DCA

FOIA UL Display

Distribution/Classification

Distribution Code:02 - U.S. GOVT. AND THEIR CONTRACTORS , 57 - EXPORT CONTROL

Distribution Statement:Distribution authorized to U.S. Gov't. agencies and their contractors; Critical Technology; NOV 1984. Other requests shall be referred to Air Force Weapons Laboratory (NTCA), Kirtland AFB, NM 87117. This document contains export-controlled technical data.

Report Classification: Unclassified

Collection: Technical Reports

EXPORT CONTROL

Title: (U) Data Base Development, Improvement, Operation and Maintenance for Fiscal Year 1982-1983

PDF URL: (pdf) - 13 MB -

Accession Number: ADB088660

Personal Author(s): Wright, S E

Corporate Author: COMPUTER SCIENCES CORP ALBUQUERQUE NM

Report Date: Nov 1984

Descriptive Note: Final rept. 30 Sep 1982-30 Mar 1984

Pages:67 Page(s)

Report Number: AFWL - TN-84-20 AFWL *(AFWLTN8420)* , XC - TN-84-20 AFWL *(XCTN8420)*

Monitor Series: TN-84-20 *(TN8420)* , AFWL

Contract/Grant/Transfer Number: F29601-82-C-0023 *(F2960182C0023)*

FOIA UL Display

Distribution/Classification

Distribution Code:02 - U.S. GOVT. AND THEIR CONTRACTORS

Distribution Statement:Distribution authorized to U.S. Gov't. agencies and their contractors; Administrative/Operational Use; 20 SEP 1984. Other requests shall be referred to Electronic Systems Division, ESD/XRC, Hanscom AFB, MA 01731.

Report Classification: Unclassified

Collection: Technical Reports

Title: (U) WX 2000. Volume 2. Technical Report.

PDF URL: (pdf) - 14 MB -

Accession Number: ADB089779

Personal Author(s): Abrams, I ; Dean, W J ; Leonard, E ; Luke, D ; Patterson, V

Corporate Author: INFORMATION SYSTEMS AND NETWORKS CORP LEXINGTON MA

Report Date: 20 Sep 1984

Descriptive Note: Final rept.

Pages:287 Page(s)

Report Number: ITR-84-003-VOL-2 *(ITR84003VOL2)* , ESD - TR-84-198-VOL-2 ESD *(ESDTR84198VOL2)* , XC - TR-84-198-VOL-2 ESD *(XCTR84198VOL2)*

Monitor Series: TR-84-198-VOL-2 *(TR84198VOL2)* , ESD

Contract/Grant/Transfer Number: F19628-83-C-0083 *(F1962883C0083)*

FOIA UL Display

Distribution/Classification

Distribution Code:02 - U.S. GOVT. AND THEIR CONTRACTORS

Distribution Statement:Distribution authorized to U.S. Gov't. agencies and their contractors; Specific authority; 11 Dec 1986. Other requests must be referred to Superintendent, Naval Postgraduate School, Code 012, Monterey, CA 93943.

Report Classification: Unclassified

Collection: Technical Reports

Title: (U) Considerations for Maintaining High Frequency Communications Connectivity between MEECN (Minimum Essential Emergency Communications Network) Stations and SIOP (Single Integrated Operations Plan)

PDF URL: (pdf) - 5 MB -

Accession Number: ADB082980

Personal Author(s): Linnstaedt, John B

Corporate Author: NAVAL POSTGRADUATE SCHOOL MONTEREY CA

Report Date: Mar 1984

Descriptive Note: Master's thesis

Pages:122 Page(s)

Report Number: XB - NPS *(XB)*

Monitor Series: NPS

FOIA UL Display

Distribution/Classification

Distribution Code:02 - U.S. GOVT. AND THEIR CONTRACTORS

Distribution Statement:Distribution authorized to U.S. Gov't. agencies and their contractors; Foreign Government Information; SEP 1983. Other requests shall be referred to the Canadian Embassy, 501 Pennsylvania Avenue, NW, Washington, DC 20001.

Report Classification: Unclassified

Collection: Technical Reports

Title: (U) Strategic Command, Control and Communications: Capabilities, Doctrine and Vulnerability

PDF URL: (pdf) - 25 MB -

Accession Number: ADB085941

Personal Author(s): Bennett, Stephen L

Corporate Author: OPERATIONAL RESEARCH AND ANALYSIS ESTABLISHMENT OTTAWA (ONTARIO)

Report Date: Sep 1983

Pages:116 Page(s)

Report Number: ORAE-EXTRA-MURAL *(ORAEEXTRAMURAL)* , PAPER-30 *(PAPER30)* , X5 - ORAE *(X5)*

Monitor Series: ORAE

FOIA UL Display

Distribution/Classification

Distribution Code:02 - U.S. GOVT. AND THEIR CONTRACTORS

Distribution Statement:Distribution authorized to U.S. Gov't. agencies and their contractors; Specific Authority; 07 JUL 1983. Other requests shall be referred to Defense Information Systems Agency, Attn: CCEC (G600), The Pentagon, Washington, DC 20301.

Report Classification: Unclassified

Collection: Technical Reports

Title: (U) NEACP/WWABNCP (National Emergency Airborne Command Post/Worldwide Airborne Command Post) KG-84A Interface Test Plan

PDF URL: (pdf) - 1 MB -

Accession Number: ADB075301

Personal Author(s): Sternberg, Mike ; Flood, John ; Sharp, Art ; Roseland, Larry

Corporate Author: ELECTROSPACE SYSTEMS INC ARLINGTON VA

Report Date: 07 Jul 1983

Descriptive Note: Final rept.

Pages:54 Page(s)

Report Number: CCEC-SPM-PT-1-83 *(CCECSPMPT183)* , XD - DCA *(XD)*

Monitor Series: DCA

Contract/Grant/Transfer Number: DCA-100-83-C-0011 *(DCA10083C0011)*

FOIA UL Display

Distribution/Classification

Distribution Code:02 - U.S. GOVT. AND THEIR CONTRACTORS

Distribution Statement:Distribution authorized to U.S. Gov't. agencies and their contractors; Administrative/Operational Use; May 1983. Other requests shall be referred to Air Force Logistics Management Ctr., Gunter AFS, AL 36114.

Report Classification: Unclassified

Collection: Technical Reports

Title: (U) Economic Order Quantity (EOQ) Item Essentiality

PDF URL: (pdf) - 1 MB -

Accession Number: ADB278027

Personal Author(s): Faulhaber, Kenneth B ; Ogan, Andrew ; Yost, Barbara ; Hahn, Willi

Corporate Author: AIR FORCE LOGISTICS MANAGEMENT CENTER GUNTER AFS AL

Report Date: May 1983

Pages:48 Page(s)

Report Number: AFLMC-LS791004 *(AFLMCLS791004)* , XC - AFLMC *(XC)*

Monitor Series: AFLMC

FOIA UL Display

Distribution/Classification

Distribution Code:03 - U.S. GOVT. ONLY; DOD CONTROLLED

Distribution Statement:Distribution authorized to U.S. Gov't. agencies only; Test and Evaluation; JUN 1982. Other requests shall be referred to 1815th Test and Evaluation Squadron, Air Force Communications Command, Wright-Patterson AFB, OH 45433.

Report Classification: Unclassified

Collection: Technical Reports

Title: (U) Qualification Operational Test and Evaluation for Scope Signal Phase III

PDF URL: (pdf) - 3 MB -

Accession Number: ADB316612

Personal Author(s): Musard, III, Henry A

Corporate Author: OPERATIONAL TEST AND EVALUATION SQUADRON (1815TH) WRIGHT-PATTERSON AFB OH

Report Date: Jun 1982

Pages:89 Page(s)

Report Number: 82-AFCC-763 *(82AFCC763)* , XC - AFTEC *(XC)*

Monitor Series: AFTEC

FOIA UL Display

Distribution/Classification

Distribution Code:03 - U.S. GOVT. ONLY; DOD CONTROLLED

Distribution Statement:Distribution authorized to U.S. Gov't. agencies only; Test and Evaluation; Aug 1981. Other requests shall be referred to Ballistic Missile Ofc., ATTN: PMR-2, Norton AFB, CA 92409.

Report Classification: Unclassified

Collection: Technical Reports

Title: (U) SMS 2000 Mission/Needs Final Report

PDF URL: (pdf) - 2 MB -

Accession Number: ADB281380

Corporate Author: R AND D ASSOCIATES MARINA DEL REY CA

Report Date: Aug 1981

Descriptive Note: Technical rept.

Pages:56 Page(s)

Report Number: RDA-TR-180001-001 *(RDATR180001001)* , XC - BMO *(XC)*

Monitor Series: BMO

Contract/Grant/Transfer Number: F04704-81-C-0024 *(F0470481C0024)*

FOIA UL Display

Distribution/Classification

Distribution Code:02 - U.S. GOVT. AND THEIR CONTRACTORS

Distribution Statement:Distribution authorized to U.S. Gov't. agencies and their contractors; Administrative/Operational Use; JUL 1980. Other requests shall be referred to Phillips Lab, Kirtland AFB, NM.

Report Classification: Unclassified

Collection: Technical Reports

Title: (U) M-X Horizontal Shelter Weapons System Baseline Configuration (M-X HSWS/BC)

PDF URL: (pdf) - 19 MB -

Accession Number: ADB193751

Corporate Author: PHILLIPS LAB KIRTLAND AFB NM

Report Date: Jul 1980

Pages:599 Page(s)

Report Number: XC - PL *(XC)*

Monitor Series: PL

FOIA UL Display

Distribution/Classification

Distribution Code:03 - U.S. GOVT. ONLY; DOD CONTROLLED , 23 - AVAILABILITY: DOCUMENT PARTIALLY ILLEGIBLE

Distribution Statement:Distribution authorized to U.S. Gov't. agencies only; Test and Evaluation; 12 NOV 1979. Other requests shall be referred to Aeronautical Systems Div., Attn: XRT, Wright-Patterson AFB, OH 45433., Availability: Document partially illegible.

Report Classification: Unclassified

Collection: Technical Reports

Title: (U) Innovative Strategic Aircraft Design Study

PDF URL: (pdf) - 20 MB -

Accession Number: ADC020464

Personal Author(s): Morgan, Wesley B ; Higgins, Harry C

Corporate Author: BOEING MILITARY AIRPLANE CO SEATTLE WA

Report Date: Jan 1980

Descriptive Note: Final rept. 15 Jul-30 Sep 1979 on Phase 3

Pages:385 Page(s)

Report Number: ASD - TR-79-5057 ASD *(ASDTR795057)* , XC - TR-79-5057 ASD *(XCTR795057)*

Monitor Series: TR-79-5057 *(TR795057)* , ASD

Contract/Grant/Transfer Number: F33615-77-C-0120 *(F3361577C0120)*

FOIA UL Display

Distribution/Classification

Distribution Code:02 - U.S. GOVT. AND THEIR CONTRACTORS

Distribution Statement:Distribution authorized to U.S. Gov't. agencies and their contractors; Specific Authority; 09 AUG 2006. Other requests shall be referred to Defense Threat Reduction Agency, 8725 John J. Kingman Rd., MS 6201, Fort Belvoir, VA 22060-6201.

Report Classification: Unclassified

Collection: Technical Reports

Title: (U) DNA System EMP Hardening Symposium. Volume 3

PDF URL: (pdf) - 14 MB -

Accession Number: ADC024533

Personal Author(s): Mindel, I N ; Ryan, B J

Corporate Author: IIT RESEARCH INST CHICAGO IL

Report Date: 01 Nov 1979

Descriptive Note: Proceedings for 7-9 Aug 1979

Pages:273 Page(s)

Report Number: DNA - 5139P-3 DNA *(DNA5139P3)* , XD - 5139P-3 DNA *(XD5139P3)*

Monitor Series: 5139P-3 *(5139P3)* , DNA

Contract/Grant/Transfer Number: DNA001-79-C-0051 *(DNA00179C0051)*

FOIA UL Display

Distribution/Classification

Distribution Code:02 - U.S. GOVT. AND THEIR CONTRACTORS

Distribution Statement:Distribution limited to U.S. Gov't. agencies and their Contractors; Specific authority; Oct 1979. Other requests must be referred to Headquarters, Department of the Air Force, Attn: RDSD. Washington, DC 20330.

Report Classification: Unclassified

Collection: Technical Reports

Title: (U) Proceedings of the Missile Warning and Attack Assessment Symposium Held 24-26 July 1979. Volume 2

PDF URL: (pdf) - 7 MB -

Accession Number: ADC020239

Personal Author(s): Predzin, Anne H ; Shostak, Arnold A ; Smith, Charles L ; Timm, Raymond S

Corporate Author: ANSER ARLINGTON VA

Report Date: Oct 1979

Descriptive Note: Final rept.

Pages:241 Page(s)

Report Number: XC - USAF *(XC)*

Monitor Series: USAF

Contract/Grant/Transfer Number: F49620-77-C-0025 *(F4962077C0025)*

FOIA UL Display

Distribution/Classification

Distribution Code:03 - U.S. GOVT. ONLY; DOD CONTROLLED

Distribution Statement:Distribution authorized to U.S. Gov't. agencies only; Test and Evaluation; JUN 1979. Other requests shall be referred to Commander, Rome Air Development Center, Attn: RBT. Griffiss AFB, NY 13441.

Report Classification: Unclassified

Collection: Technical Reports

Title: (U) RADC Technical Facilities Register

PDF URL: (pdf) - 19 MB -

Accession Number: ADB039148

Personal Author(s): McGregor, Robert W

Corporate Author: ROME AIR DEVELOPMENT CENTER GRIFFISS AFB NY

Report Date: Jun 1979

Pages:200 Page(s)

Report Number: RADC-TR-79-73 *(RADCTR7973)* , XC - RADC *(XC)*

Monitor Series: RADC

FOIA UL Display

Distribution/Classification

Distribution Code:03 - U.S. GOVT. ONLY; DOD CONTROLLED

Distribution Statement:Distribution authorized to U.S. Gov't. agencies only; Test and Evaluation; 29 APR 1978. Other requests shall be referred to Aeronautical Systems Div., Attn: XRT, Wright-Patterson AFB, OH 45433.

Report Classification: Unclassified

Collection: Technical Reports

Title: (U) Innovative Strategic Aircraft Design Study

PDF URL: (pdf) - 12 MB -

Accession Number: ADC018492

Personal Author(s): Morgan, Wesley B ; Higgins, Harry C

Corporate Author: BOEING AEROSPACE CO SEATTLE WA BOEING MILITARY AIRPLANE DEVELOPMENT

Report Date: Jun 1979

Descriptive Note: Final rept. 1 Sep 1978-30 Mar 1979 on Phase 2

Pages:308 Page(s)

Report Number: D180-25245-1 *(D180252451)* , ASD - TR-79-5011 ASD *(ASDTR795011)* , XC - TR-79-5011 ASD *(XCTR795011)*

Monitor Series: TR-79-5011 *(TR795011)* , ASD

Contract/Grant/Transfer Number: F33615-77-C-0120 *(F3361577C0120)*

FOIA UL Display

Distribution/Classification

Distribution Code:03 - U.S. GOVT. ONLY; DOD CONTROLLED

Distribution Statement:Distribution authorized to U.S. Gov't. agencies only; Test and Evaluation; DEC 1978. Other requests shall be referred to Rome Air Development Center, Attn: IRDA, Griffiss AFB, NY 13441.

Report Classification: Unclassified

Collection: Technical Reports

Title: (U) Large Scale Data Base Processor Study. Volume 1

PDF URL: (pdf) - 12 MB -

Accession Number: ADB033318

Personal Author(s): Gaertner, W W ; Kessler, G K ; Reddi, S S ; Retter, C T ; Schreyer, W M

Corporate Author: GAERTNER (W W) RESEARCH INC NORWALK CT

Report Date: Dec 1978

Descriptive Note: Final technical rept. May-Dec 1977

Pages:278 Page(s)

Report Number: RADC - TR-78-245-VOL-1M RADC *(RADCTR78245VOL1M)* , XC - TR-78-245-VOL-1M RADC *(XCTR78245VOL1M)*

Monitor Series: TR-78-245-VOL-1M *(TR78245VOL1M)* , RADC

Contract/Grant/Transfer Number: F30602-77-C-0093 *(F3060277C0093)*

FOIA UL Display

Distribution/Classification

Distribution Code:02 - U.S. GOVT. AND THEIR CONTRACTORS , 23 - AVAILABILITY: DOCUMENT PARTIALLY ILLEGIBLE

Distribution Statement:Distribution authorized to U.S. Gov't. agencies and their contractors; Specific Authority; MAY 1978. Other requests shall be referred to Director, Air Force Weapons Laboratory, Attn: NXS, Kirtland AFB, NM 87117. Document partially illegible.

Report Classification: Unclassified

Collection: Technical Reports

Title: (U) EC-135 EMP Assessment Program, System and Subsystem Test Results Part 1

PDF URL: (pdf) - 13 MB -

Accession Number: ADC015179

Personal Author(s): Locasso, J V ; Cordova, W H ; Wagner, J F ; Juster, C F ; Daiken, B A

Corporate Author: ROCKWELL INTERNATIONAL ANAHEIM CA

Report Date: May 1978

Descriptive Note: Final rept.

Pages:341 Page(s)

Report Number: C76-1022.4/201-PT-1 *(C7610224201PT1)* , AFWL - TR-77-243-PT-1 AFWL *(AFWLTR77243PT1)* , XC - TR-77-243-PT-1 AFWL *(XCTR77243PT1)*

Monitor Series: TR-77-243-PT-1 *(TR77243PT1)* , AFWL

Contract/Grant/Transfer Number: F29601-75-C-0103 *(F2960175C0103)*

FOIA UL Display

Distribution/Classification

Distribution Code:03 - U.S. GOVT. ONLY; DOD CONTROLLED

Distribution Statement:Distribution authorized to U.S. Gov't. agencies only; Test and Evaluation; 23 SEP 1977. Other requests shall be referred to Director, Command and Control Technical Center, Attn: C-650, Reston, VA 22040.

Report Classification: Unclassified

Collection: Technical Reports

Title: (U) Technical Report of the MEECN UHF/FDM Coverage Envelope Test for the NEACP Facility at Offutt AFB, NE

PDF URL: (pdf) - 19 MB -

Accession Number: ADC012854

Personal Author(s): Anderson, Joseph C

Corporate Author: ELECTROSPACE SYSTEMS INC RICHARDSON TX

Report Date: 23 Sep 1977

Descriptive Note: Final rept. for FY 1977

Pages:61 Page(s)

Report Number: CCTC - TP-32-77 CCTC *(CCTCTP3277)* , XD - TP-32-77 CCTC *(XDTP3277)*

Monitor Series: TP-32-77 *(TP3277)* , CCTC

Contract/Grant/Transfer Number: DCA100-75-C-0067 *(DCA10075C0067)*

FOIA UL Display

Distribution/Classification

Distribution Code:02 - U.S. GOVT. AND THEIR CONTRACTORS

Distribution Statement:Distribution authorized to U.S. Gov't. agencies and their contractors; Specific Authority; 16 AUG 1977. Other requests shall be referred to Naval Ocean Systems Center, San Diego, CA 92152 or Director, Command and Control Technical Center, Attn: Code C650, Reston, VA 22040.

Report Classification: Unclassified

Collection: Technical Reports

Title: (U) Meteor Burst Communication in Minimum Essential Emergency Communication Network (MEECN)

PDF URL: (pdf) - 10 MB -

Accession Number: ADB023092

Personal Author(s): Heritage, James L ; Bickel, John E ; Kugel, Carl P

Corporate Author: NAVAL OCEAN SYSTEMS CENTER SAN DIEGO CA

Report Date: 16 Aug 1977

Descriptive Note: Interim rept. Nov 1975-Jun 1977

Pages:75 Page(s)

Report Number: NOSC/TR-138 *(NOSCTR138)* , XB - NOSC *(XB)*

Monitor Series: NOSC

FOIA UL Display

Distribution/Classification

Distribution Code:02 - U.S. GOVT. AND THEIR CONTRACTORS

Distribution Statement:Distribution authorized to U.S. Gov't. agencies and their contractors; Specific Authority; JUL 1977. Other requests shall be referred to Commander, Air Force Test and Evaluation Center, ATTN: DA, Kirtland AFB, NM 87115.

Report Classification: Unclassified

Collection: Technical Reports

Title: (U) Advanced Airborne Command Post (E-4B). Initial Operational Test and Evaluation

PDF URL: (pdf) - 14 MB -

Accession Number: ADB020190

Personal Author(s): Elliott, George E

Corporate Author: AIR FORCE TEST AND EVALUATION CENTER KIRTLAND AFB NM

Report Date: Jul 1977

Descriptive Note: Test plan Jul 1977-Aug 1979

Pages:299 Page(s)

Report Number: AFTEC-77-114 *(AFTEC77114)* , XC - AFTEC *(XC)*

Monitor Series: AFTEC

FOIA UL Display

Distribution/Classification

Distribution Code:02 - U.S. GOVT. AND THEIR CONTRACTORS

Distribution Statement:Distribution authorized to U.S. Gov't. agencies and their contractors; Administrative/Operational Use; Jul 1977. Other requests shall be referred to Air Force Logistics Management Ctr., Gunter AFS, AL 36114.

Report Classification: Unclassified

Collection: Technical Reports

Title: (U) Review of MAJCOM Logistics Management Information Systems

PDF URL: (pdf) - 2 MB -

Accession Number: ADB288245

Corporate Author: AIR FORCE LOGISTICS MANAGEMENT CENTER GUNTER AFS AL

Report Date: Jul 1977

Pages:40 Page(s)

Report Number: AFLMC-770403 *(AFLMC770403)* , XC - AFLMC *(XC)*

Monitor Series: AFLMC

FOIA UL Display

Distribution/Classification

Distribution Code:02 - U.S. GOVT. AND THEIR CONTRACTORS , 23 - AVAILABILITY: DOCUMENT PARTIALLY ILLEGIBLE

Distribution Statement:Distribution authorized to U.S. Gov't. agencies and their contractors; Specific Authority; 17 MAY 1977. Other requests shall be referred to Air Command and Staff College, Maxwell AFB, AL 36112. Document partially illegible.

Report Classification: Unclassified

Collection: Technical Reports

Title: (U) Negotiation Guide for Air Force Contract Negotiators and Managers

PDF URL: (pdf) - 6 MB -

Accession Number: ADB018361

Personal Author(s): Fischer, John R

Corporate Author: AIR COMMAND AND STAFF COLL MAXWELL AFB AL

Report Date: Apr 1977

Descriptive Note: Research study

Pages:134 Page(s)

Report Number: 0770-77 *(077077)* , XC - ACSC *(XC)*

Monitor Series: ACSC

FOIA UL Display

Distribution/Classification

Distribution Code:03 - U.S. GOVT. ONLY; DOD CONTROLLED

Distribution Statement:Distribution authorized to U.S. Gov't. agencies only; Test and Evaluation; 30 NOV 1976. Other requests shall be referred to Director, Command and Control Technical Center, Attn: A320, Washington, DC 20301.

Report Classification: Unclassified

Collection: Technical Reports

Title: (U) Technical Test Plan for the MEECN UHF/FDM Ground Entry Point Coverage Envelope Tests of the NEACP and USCINCEUR Facilities

PDF URL: (pdf) - 17 MB -

Accession Number: ADC008623

Personal Author(s): Givens, Edmund K

Corporate Author: COMMAND AND CONTROL TECHNICAL CENTER WASHINGTON DC

Report Date: 30 Nov 1976

Descriptive Note: Technical publication

Pages:56 Page(s)

Report Number: CCTC-TP-17-76 *(CCTCTP1776)* , XD - DCA *(XD)*

Monitor Series: DCA

FOIA UL Display

Distribution/Classification

Distribution Code:03 - U.S. GOVT. ONLY; DOD CONTROLLED

Distribution Statement:Distribution authorized to U.S. Gov't. agencies only; Administrative/Operational Use; 10 DEC 1976. Other requests shall be referred to Command and Control Technical Center (C600), The Pentagon, Washington, DC 20301.

Report Classification: Unclassified

Collection: Technical Reports

Title: (U) Technical Report of the MEECN UHF/FDM Ground Entry Point Coverage Envelope Tests for the CINCPAC Facilities

PDF URL: (pdf) - 27 MB -

Accession Number: ADB336337

Personal Author(s): Givens, Edmund K

Corporate Author: COMMAND AND CONTROL TECHNICAL CENTER WASHINGTON DC

Report Date: 10 Dec 1976

Descriptive Note: Technical publication

Pages:68 Page(s)

Report Number: CCTC-TP-18-76 *(CCTCTP1876)* , XD - CCTC *(XD)*

Monitor Series: CCTC

FOIA UL Display

Distribution/Classification

Distribution Code:02 - U.S. GOVT. AND THEIR CONTRACTORS

Distribution Statement:Distribution authorized to U.S. Gov't. agencies and their contractors; Administrative/Operational Use; 25 Nov 2003. Other requests shall be referred to the Defense Threat Reduction Agency, 8725, John J. Kingman Road, MS 6201, Fort Belvoir, VA 22060-6201.

Report Classification: Unclassified

Collection: Technical Reports

Title: (U) Issues Affecting the PREMPT Simulation Prediction of Autovon System Performance

PDF URL: (pdf) - 4 MB -

Accession Number: ADC012702

Personal Author(s): Dardis, Thomas A ; Baxter, Joe A ; Herskovitz, Michael D ; Kelly, Michael D

Corporate Author: BDM CORP MCLEAN VA

Report Date: 30 Nov 1976

Descriptive Note: Final rept.

Pages:137 Page(s)

Report Number: BDM/W-76-190-TR-S *(BDMW76190TRS)* , DNA - 4258F DNA *(DNA)* , XD - 4258F DNA *(XD)*

Monitor Series: 4258F , DNA

Contract/Grant/Transfer Number: DNA001-75-C-0196 *(DNA00175C0196)*

FOIA UL Display

Distribution/Classification

Distribution Code:03 - U.S. GOVT. ONLY; DOD CONTROLLED

Distribution Statement:Distribution authorized to U.S. Gov't. agencies only; Test and Evaluation; 01 JAN 1976. Other requests shall be referred to Director, Command and Control Technical Center, Attn: C100, Washington, DC 20301.

Report Classification: Unclassified

Collection: Technical Reports

Title: (U) FY-77 Engineering Directorate Technical Test and Evaluation Program Plan for Minimum Essential Emergency Communications Network (MEECN)

PDF URL: (pdf) - 42 MB -

Accession Number: ADC007575

Personal Author(s): Meyer, Carl W

Corporate Author: COMMAND AND CONTROL TECHNICAL CENTER WASHINGTON DC

Report Date: 15 Aug 1976

Descriptive Note: Technical publication

Pages:105 Page(s)

Report Number: CCTC-TP-6-76 *(CCTCTP676)* , XD - DCA *(XD)*

Monitor Series: DCA

FOIA UL Display

Distribution/Classification

Distribution Code:03 - U.S. GOVT. ONLY; DOD CONTROLLED

Distribution Statement:Distribution authorized to U.S. Gov't. agencies only; Test and Evaluation; May 1976. Other requests shall be referred to Rome Air Development Ctr., ATTN: IRDA, Griffiss AFB, NY 13441.

Report Classification: Unclassified

Collection: Technical Reports

Title: (U) Strategic Air Command Intelligence Data Handling Improvements

PDF URL: (pdf) - 10 MB -

Accession Number: ADB297892

Personal Author(s): Skaar, J C

Corporate Author: PRC INFORMATION SCIENCES CO MCLEAN VA

Report Date: May 1976

Descriptive Note: Final technical rept. Jul 1973-Sep 1975

Pages:209 Page(s)

Report Number: RADC - TR-76-132 RADC *(RADCTR76132)* , XC - TR-76-132 RADC *(XCTR76132)*

Monitor Series: TR-76-132 *(TR76132)* , RADC

Contract/Grant/Transfer Number: F30602-73-C-0359 *(F3060273C0359)*

FOIA UL Display

Distribution/Classification

Distribution Code:03 - U.S. GOVT. ONLY; DOD CONTROLLED

Distribution Statement:Distribution limited to U.S. Gov't. agencies only; Test and Evaluation; 13 Jun 75. Other requests for this document must be referred to Commander, Defense Communications Agency Command + Control Technical Center, Attn: B300, Washington, DC 20301.

Report Classification: Unclassified

Collection: Technical Reports

Title: (U) BLUE Message Generator (BLUMSG) Subsystem. Subsystem Specification

PDF URL: (pdf) - 6 MB -

Accession Number: ADC004124

Personal Author(s): Wall, Adrian M

Corporate Author: NATIONAL MILITARY COMMAND SYSTEM SUPPORT CENTER WASHINGTON DC

Report Date: 13 Jun 1975

Descriptive Note: System planning manual,

Pages:121 Page(s)

Report Number: NMCSSC-SPM-SS-105-75 *(NMCSSCSPMSS10575)* , XD - NMCSSC *(XD)*

Monitor Series: NMCSSC

FOIA UL Display

Distribution/Classification

Distribution Code:03 - U.S. GOVT. ONLY; DOD CONTROLLED

Distribution Statement:Distribution authorized to U.S. Gov't. agencies only; Test and Evaluation; OCT 1974. Other requests shall be referred to Army Electronics Command, Attn: AMSEL-NV, Fort Belvoir, VA 22060.

Report Classification: Unclassified

Collection: Technical Reports

Title: (U) 1.4-Micron Photocathode

PDF URL: (pdf) - 4 MB -

Accession Number: ADB001229

Personal Author(s): James, Lawrence W ; Moon, Ronald L ; Escher, John S ; Fairman, Robert D ; Antypas, George A ; Ronald, Bell L

Corporate Author: VARIAN ASSOCIATES INC PALO ALTO CA

Report Date: Oct 1974

Descriptive Note: Semi-annual technical rept. no. 1, Jan-Jun 1974

Pages:61 Page(s)

Report Number: XA - NVL *(XA)*

Monitor Series: NVL

Contract/Grant/Transfer Number: DAAK02-74-C-0132 *(DAAK0274C0132)* , ARPA ORDER-2182 *(ARPAORDER2182)*

FOIA UL Display

Distribution/Classification

Distribution Code:03 - U.S. GOVT. ONLY; DOD CONTROLLED

Distribution Statement:Distribution authorized to U.S. Gov't. agencies only; Test and Evaluation; 10 NOV 1971. Other requests shall be referred to Office of the Director of Defense Research and Engineering, Attn: Research and Advanced Technology Laboratory Management. Washington, DC 20301.

Report Classification: Unclassified

Collection: Technical Reports

Title: (U) Task Group on Defense In-House Laboratories. Annex B. Role of In-House DoD Laboratories

PDF URL: (pdf) - 5 MB -

Accession Number: AD0889009

Corporate Author: DEPARTMENT OF DEFENSE WASHINGTON DC

Report Date: 01 Jul 1971

Pages:154 Page(s)

Report Number: XC - AFOSR *(XC)*

Monitor Series: AFOSR

FOIA UL Display

Distribution/Classification

Distribution Code:04 - DOD ONLY; DOD CONTROLLED , 23 - AVAILABILITY: DOCUMENT PARTIALLY ILLEGIBLE

Distribution Statement:Distribution authorized to DoD only; Administrative/Operational Use; 08 DEC 1942. Other requests shall be referred to Air Force Materiel Command, Wright-Patterson AFB, OH 45433-6503. Pre-dates formal DoD distribution statements. Treat as DoD only. Document partially illegible.

Report Classification: Unclassified

Collection: Technical Reports

Title: (U) Fluctuations of Decimeter Waves During Propagation (Ueber die Schankungen bei der Ausbreitung von Dezineterwellen)

PDF URL: (pdf) - 12 MB -

Accession Number: ADB816514

Personal Author(s): Lehfeldt,

Corporate Author: ATI COLLECTION FORT BELVOIR VA

Report Date: 08 Dec 1942

Pages:89 Page(s)

Report Number: AMC-AF - F-TS-1961-RE *(AMCAFFTS1961RE)*

Monitor Series: F-TS-1961-RE *(FTS1961RE)*

FOIA UL Display

Distribution/Classification

Distribution Code:03 - U.S. GOVT. ONLY; DOD CONTROLLED

Distribution Statement:Distribution authorized to U.S. Gov't. agencies only; Test and Evaluation; 20 DEC 1971. Other requests shall be referred to Commander, Electronic Systems Div., L. G. Hanscom Field, Bedford, MA 01730.

Report Classification: Unclassified

Collection: Technical Reports

Title: (U) AGIL II: A General Input Language for On-line Information Control. Volume 1. General Description

PDF URL: (pdf) - 11 MB -

Accession Number: AD0489421

Personal Author(s): Chandler, A R

Corporate Author: MITRE CORP BEDFORD MA

Report Date: Aug 1966

Descriptive Note: Technical rept.

Pages:130 Page(s)

Report Number: MTP-12-VOL-1 *(MTP12VOL1)* , ESD - TR-66-308-VOL-1 ESD *(ESDTR66308VOL1)* , XC - TR-66-308-VOL-1 ESD *(XCTR66308VOL1)*

Monitor Series: TR-66-308-VOL-1 *(TR66308VOL1)* , ESD

Contract/Grant/Transfer Number: AF 19(628)-5165 *(AF196285165)*

FOIA UL Display

Distribution/Classification

Distribution Code:04 - DOD ONLY; DOD CONTROLLED , 23 - AVAILABILITY: DOCUMENT PARTIALLY ILLEGIBLE , 26 - NOT AVAILABLE IN MICROFICHE

Distribution Statement:Distribution authorized to DoD only; Administrative/Operational Use; 17 Dec 99. Other requests shall be referred to Defense Technical Information Center, DTIC-BCS, 8725 John J. Kingman Rd., Ft. Belvoir, VA 22060-6218., Availability: Document partially illegible., Availability: Hard copy only.

Report Classification: Unclassified

Collection: Technical Reports

Title: (U) Maintenance Manual for Model AN/APN-21 XR Racon

PDF URL: (pdf) - 388 KB -

Accession Number: ADB815682

Personal Author(s): Dickinson, D J ; Hazen, R H

Corporate Author: MASSACHUSETTS INST OF TECH CAMBRIDGE RADIATION LAB

Report Date: Apr 1945

Pages:14 Page(s)

Report Number: M-213 *(M213)* , XD - XD *(XD)*

Monitor Series: XD

FOIA UL Display

Distribution/Classification

Distribution Code:02 - U.S. GOVT. AND THEIR CONTRACTORS

Distribution Statement:Distribution authorized to U.S. Gov't. agencies and their contractors; Administrative/Operational Use; 14 APR 1964. Other requests shall be referred to Ballistic Systems Division, AFSC, Norton AFB, CA.

Report Classification: Unclassified

Collection: Technical Reports

Title: (U) DETAILED TEST REQUIREMENTS DOCUMENT MISSOURI TEST PROGRAM (MTP)

PDF URL: (pdf) - 3 MB -

Accession Number: AD0436718

Corporate Author: SYLVANIA ELECTRIC PRODUCTS INC WALTHAM MA

Report Date: 14 Apr 1964

Pages:152 Page(s)

Report Number: MPO-SR-14-100-REV-1 *(MPOSR14100REV1)* , XC - BSD *(XC)*

Monitor Series: BSD

Contract/Grant/Transfer Number: AF 04(694)-261 *(AF04694261)*

FOIA UL Display

Distribution/Classification

Distribution Code:03 - U.S. GOVT. ONLY; DOD CONTROLLED , 23 - AVAILABILITY: DOCUMENT PARTIALLY ILLEGIBLE , 57 - EXPORT CONTROL

Distribution Statement:Distribution authorized to U.S. Gov't. agencies only; Test and Evaluation; 17 SEP 1971. Other requests shall be referred to Commander, Rome Air Development Center, Attn: EMX. Griffiss AFB, NY 13440. Document partially illegible. This document contains export-controlled technical data.

Report Classification: Unclassified

Collection: Technical Reports

EXPORT CONTROL

Title: (U) RADC Accomplishments FY-69. Volume 2

PDF URL: (pdf) - 19 MB -

Accession Number: AD0861843

Corporate Author: ROME AIR DEVELOPMENT CENTER GRIFFISS AFB NY

Report Date: Aug 1969

Pages:274 Page(s)

Report Number: XC - RADC *(XC)*

Monitor Series: RADC

FOIA UL Display

Distribution/Classification

Distribution Code:02 - U.S. GOVT. AND THEIR CONTRACTORS , 23 - AVAILABILITY: DOCUMENT PARTIALLY ILLEGIBLE

Distribution Statement:Distribution authorized to U.S. Gov't. agencies and their contractors; Administrative/Operational Use; Oct 1952. Other requests shall be referred to Department of the Air Force, Attn: Public Affairs Office, Washington, DC 20330., Availability: Document partially illegible.

Report Classification: Unclassified

Collection: Technical Reports

Title: (U) WING ANALYSIS FOR THE MODEL F-86H AIRPLANE (N.A.A. MODEL NO. NA-187). VOLUME 1

PDF URL: (pdf) - 22 MB -

Accession Number: AD0002379

Corporate Author: NORTH AMERICAN AVIATION INC LOS ANGELES CA

Report Date: 09 Oct 1952

Pages:346 Page(s)

Report Number: NA-51-598-VOL-1 *(NA51598VOL1)* , XC - USAF *(XC)*

Monitor Series: USAF

Contract/Grant/Transfer Number: AF 33(038)-27681 *(AF3303827681)*

FOIA UL Display

Distribution/Classification

Distribution Code:02 - U.S. GOVT. AND THEIR CONTRACTORS , 23 - AVAILABILITY: DOCUMENT PARTIALLY ILLEGIBLE

Distribution Statement:Distribution authorized to U.S. Gov't. agencies and their contractors; Administrative/Operational Use; 02 MAY 1962. Other requests shall be referred to Bureau of Naval Weapons, Washington, DC 20350. Document partially illegible.

Report Classification: Unclassified

Collection: Technical Reports

Title: (U) BUWEPS PART NO. 1960250 TRANSFORMER

PDF URL: (pdf) - 4 MB -

Accession Number: AD0403240

Personal Author(s): Kashiwagi, Paul S

Corporate Author: LOCKHEED MISSILES AND SPACE CO INC SUNNYVALE CA

Report Date: 02 May 1962

Descriptive Note: Test rept.

Pages:107 Page(s)

Report Number: 17848-R1-2 *(17848R12)* , XB - NAVWEPS *(XB)*

Monitor Series: NAVWEPS

FOIA UL Display

Distribution/Classification

Distribution Code:02 - U.S. GOVT. AND THEIR CONTRACTORS

Distribution Statement:Distribution authorized to U.S. Gov't. agencies and their contractors; Administrative/Operational Use; Nov 1945. Other requests shall be referred to Army Biological Labs, Fort Detrick, Frederick, MD.

Report Classification: Unclassified

Collection: Technical Reports

Title: (U) ENGINEERING CONSTRUCTION, OPERATION, MAINTENANCE AND DEVELOPMENT IN RESTRICTED AREA. SECTION 10. VENTILATION OF CONTAMINATED BUILDINGS IN THE RESTRICTED AREA

PDF URL: (pdf) - 2 MB -

Accession Number: AD0222846

Personal Author(s): PETERS, HERBERT ; FRANZEL, HARVEY

Corporate Author: ARMY BIOLOGICAL LABS FREDERICK MD

Report Date: 15 Nov 1945

Descriptive Note: Special rept. no. 42

Pages:63 Page(s)

Report Number: XA - ABL/MD *(XAABLMD)*

Monitor Series: ABL/MD *(ABLMD)*

FOIA UL Display

Distribution/Classification

Distribution Code:02 - U.S. GOVT. AND THEIR CONTRACTORS , 57 - EXPORT CONTROL

Distribution Statement:Distribution authorized to U.S. Gov't. agencies and their contractors; Critical Technology; JAN 1969. Other requests shall be referred to Army Materiel Command, ATTN: AMCPM-MBT, Washington, DC 20315. This document contains export-controlled technical data.

Report Classification: Unclassified

Collection: Technical Reports

EXPORT CONTROL

Title: (U) AVCR-1100-3 Engine

PDF URL: (pdf) - 444 KB -

Accession Number: AD0501099

Corporate Author: GOVERNMENTAL AFFAIRS INST WASHINGTON DC RESEARCH DIV

Report Date: Jan 1969

Descriptive Note: Interim rept.

Pages:11 Page(s)

Report Number: AMC - TIR-30.1.2.14(1) AMC *(AMCTIR3012141)* , XA - TIR-30.1.2.14(1) AMC *(XATIR3012141)*

Monitor Series: TIR-30.1.2.14(1) *(TIR3012141)* , AMC

Contract/Grant/Transfer Number: DAAG39-69-C-0001 *(DAAG3969C0001)*

FOIA UL Display

Distribution/Classification

Distribution Code:02 - U.S. GOVT. AND THEIR CONTRACTORS , 23 - AVAILABILITY: DOCUMENT PARTIALLY ILLEGIBLE , 57 - EXPORT CONTROL

Distribution Statement:Distribution authorized to U.S. Gov't. agencies and their contractors; Specific Authority; 12 JAN 1972. Other requests shall be referred to US Air Force Avionics Laboratory, Attn: AVRO-2, Wright-Patterson AFB, OH 45433. Document partially illegible. This document contains export-controlled technical data.

Report Classification: Unclassified

Collection: Technical Reports

EXPORT CONTROL

Title: (U) USAF Antenna Research and Development Program, Abstracts of the Eighteenth Annual Symposium

PDF URL: (pdf) - 42 MB -

Accession Number: AD0846427

Personal Author(s): Carberry, T F ; Augustine, Carl F ; Fiskin, J M ; Chen, Chao-Chun ; Jennetti, A G ; Flaig, T L ; Rosa, J ; Ziolkowski, F P ; Besthorn, J W ; Turner, Edwin M

Corporate Author: RAYTHEON CO BEDFORD MA SPACE AND INFORMATION SYSTEMS DIV

Report Date: 17 Oct 1968

Descriptive Note: Annual Symposium, No. 18, 15-17 Oct 1968

Pages:607 Page(s)

Report Number: R68-4435 *(R684435)* , XC - AFAL *(XC)*

Monitor Series: AFAL

FOIA UL Display

Distribution/Classification

Distribution Code:04 - DOD ONLY; DOD CONTROLLED , 23 - AVAILABILITY: DOCUMENT PARTIALLY ILLEGIBLE

Distribution Statement:Distribution authorized to DoD only; Administrative/Operational Use; 17 SEP 1946. Other requests shall be referred to Department of Defense, ATTN: Public Affairs Office, Washington, DC 20301. Pre-dates formal DoD distribution statements. Treat as DoD only. Document partially illegible.

Report Classification: Unclassified

Collection: Technical Reports

Title: (U) Anticorrosion Agents for Steel in Gasoline

PDF URL: (pdf) - 997 KB -

Accession Number: ADB814450

Personal Author(s): Rue, S O

Corporate Author: ETHYL CORP DETROIT MI

Report Date: 17 Sep 1946

Pages:21 Page(s)

Report Number: LTD-46-53 *(LTD4653)* , XD - XD *(XD)*

Monitor Series: XD

FOIA UL Display

Distribution/Classification

Distribution Code:03 - U.S. GOVT. ONLY; DOD CONTROLLED

Distribution Statement:Distribution authorized to U.S. Gov't. agencies only; Test and Evaluation; 20 SEP 1971. Other requests shall be referred to Commander, Electronic Systems Div., L. G. Hanscom Field, Bedford, MA 01730.

Report Classification: Unclassified

Collection: Technical Reports

Title: (U) AGIL II: A GENERAL INPUT LANGUAGE FOR ON-LINE INFORMATION CONTROL. VOLUME II. GRAMMAR, USE AND COMPARISON WITH OTHER LANGUAGES

PDF URL: (pdf) - 16 MB -

Accession Number: AD0489422

Personal Author(s): Chandler, Alan R

Corporate Author: MITRE CORP BEDFORD MA

Report Date: Aug 1966

Pages:191 Page(s)

Report Number: MTP-12-VOL-2 *(MTP12VOL2)* , ESD - TR-66-308-VOL-2 ESD *(ESDTR66308VOL2)* , XC - TR-66-308-VOL-2 ESD *(XCTR66308VOL2)*

Monitor Series: TR-66-308-VOL-2 *(TR66308VOL2)* , ESD

Contract/Grant/Transfer Number: AF 19(628)-5165 *(AF196285165)*

FOIA UL Display

Distribution/Classification

Distribution Code:02 - U.S. GOVT. AND THEIR CONTRACTORS , 57 - EXPORT CONTROL

Distribution Statement:Distribution authorized to U.S. Gov't. agencies and their contractors; Critical Technology; DEC 1985. Other requests shall be referred to Air Force Rocket Propulsion Lab., Attn: STINFO. Edwards AFB, CA 93523. This document contains export-controlled technical data.

Report Classification: Unclassified

Collection: Technical Reports

EXPORT CONTROL

Title: (U) DUAL-CHAMBER CONTROLLABLE SOLID PROPELLANT ROCKET MOTOR

PDF URL: (pdf) - 17 MB -

Accession Number: AD0382462

Personal Author(s): Bennett, Harold L ; Ruff, Donald E

Corporate Author: NAVAL ORDNANCE TEST STATION CHINA LAKE CA

Report Date: May 1967

Descriptive Note: Final rept.

Pages:290 Page(s)

Report Number: NOTS-TP-4152 *(NOTSTP4152)* , AFRPL - TR-67-55 AFRPL *(AFRPLTR6755)* , XC - TR-67-55 AFRPL *(XCTR6755)*

Monitor Series: TR-67-55 *(TR6755)* , AFRPL

FOIA UL Display

Distribution/Classification

Distribution Code:02 - U.S. GOVT. AND THEIR CONTRACTORS

Distribution Statement:Distribution authorized to U.S. Gov't. agencies and their contractors; Administrative/Operational Use; Aug 1962. Other requests shall be referred to USAF, Deputy Chief of Staff, Research & Development, Directorate of Operational Requirments and Development Plans, Attn: Project Rand Group (AFRDQA), Washington, DC 20330.

Report Classification: Unclassified

Collection: Technical Reports

Title: (U) INSTALLATION HARDENING CONCEPTS FOR MANNED BOMBER SYSTEMS

PDF URL: (pdf) - 1 MB -

Accession Number: AD0332181

Personal Author(s): LAUPA, ARMAS ; HAMMER, J G ; SANDOVAL, C A

Corporate Author: RAND CORP SANTA MONICA CA

Report Date: Aug 1962

Descriptive Note: Memorandum rept.

Pages:41 Page(s)

Report Number: RAND/RM-3239-PR *(RANDRM3239PR)* , XC - AFRDC *(XC)*

Monitor Series: AFRDC

FOIA UL Display

Distribution/Classification

Distribution Code:02 - U.S. GOVT. AND THEIR CONTRACTORS

Distribution Statement:Distribution authorized to U.S. Gov't. agencies and their contractors; Administrative/Operational Use; 03 MAR 1945. Other requests shall be referred to Office of Scientific Research and Development, Washington, DC 20301.

Report Classification: Unclassified

Collection: Technical Reports

Title: (U) Development of Protective Ointments

PDF URL: (pdf) - 1 MB -

Accession Number: ADB817766

Personal Author(s): Hartung, Walter H ; Weaver, Warren

Corporate Author: MARYLAND UNIV BALTIMORE

Report Date: 03 Mar 1945

Descriptive Note: Final rept.

Pages:28 Page(s)

Report Number: OSRD - 4768 OSRD *(OSRD)* , XD - 4768 OSRD *(XD)*

Monitor Series: 4768 , OSRD

Contract/Grant/Transfer Number: OEMSR-1006 *(OEMSR1006)*

FOIA UL Display

Distribution/Classification

Distribution Code:02 - U.S. GOVT. AND THEIR CONTRACTORS , 23 - AVAILABILITY: DOCUMENT PARTIALLY ILLEGIBLE

Distribution Statement:Distribution authorized to U.S. Gov't. agencies and their contractors; Administrative/Operational Use; 25 JAN 1963. Other requests shall be referred to Electronics Systems Division, Hanscom AFB, MA. Document partially illegible.

Title: (U) ESD MANAGEMENT IMPROVEMENT CONFERENCE WITH THE COMMANDER, AIR FORCE SYSTEMS COMMAND 25 JANUARY 1963

Accession Number: AD0296456

Corporate Author: ELECTRONIC SYSTEMS DIV HANSCOM AFB MA

Report Date: 25 Jan 1963

Descriptive Note: Conference proceedings

Pages:444 Page(s)

Report Number: XC - ESD *(XC)*

Monitor Series: ESD

Highest Classification: Unclassified

DTIC Bibliography

Export Time Stamp: 2013-09-24 08:11:02 AM

Number of Citations: 132

Format: FOIA U2 Display

EXPORT CONTROL

The following notice applies if this bibliography includes abstracts with references marked "Export Control" EXPORT CONTROL WARNING NOTICE This document contains technical data whose export is restricted by the Arms Export Control Act (Title 22, U.S.C., sec. 2751 et seq.) or Executive Order 12470. Violations of these export laws are subject to severe criminal penalties. Distribution of this document is subject to DoDD 5230.25.

DOWNGRADING ACTION

The security classification of each entry in this listing is current as of the date of the bibliography. Do not downgrade or declassify individual bibliographic entries without referring to the complete and current classification authority, duration, and change markings associated with the document referenced in the bibliographic entry.

DESTRUCTION NOTICE

For classified documents, follow the procedures in DoD 5200.22-M, National Industrial Security Program Manual, Section 7, or DoD 5200.1-R, Information Security Program Regulation, Chapter VI, Section 7. For unclassified, limited documents, destroy by any method that will prevent disclosure of contents or reconstruction of the document.

CONTROLLED REPORTS

You may obtain copies of controlled reports only if you are within the audience authorized by the secondary distribution markings assigned by the controlling office or if you are specifically authorized by the controlling organization. To request specific authorization, please complete a DTIC Form 55, Request for Release of Limited Document. Be sure to include all the information needed to identify the document and a justification as to why you need the document. DTIC encourages the use of the Automated Form 55 for those with access to the Internet. The Automated Form 55 can be found at: http://www.dtic.mil/dtic/formsNguides/registration/form55.html. For those using the paper form, please fax your completed Form 55 to DTIC.

FOIA U2 Display

Distribution/Classification

Distribution Code:01 - APPROVED FOR PUBLIC RELEASE

Distribution Statement:Approved for public release; distribution is unlimited.

Report Classification: Unclassified

Collection: Technical Reports

Title: (U) Characterization of Dust Environments for the F-107, TF-33, and J-57 Engine Tests

PDF URL: (pdf) - 5 MB -

https://www.dtic.mil/DTICOnline/downloadPdf.search?collectionId=tr&docId=ADC043665

Accession Number: ADC043665

Personal Author(s): Rausch, P J ; Yoon, B L ; Greene, R A ; Rawson, G ; Mazzola, T A

Corporate Author: R AND D ASSOCIATES MARINA DEL REY CA

Report Date: 31 Mar 1988

Abstract: (U) Environment limits are presented to guide a program for evaluating the potential hazards to turbojet aircraft engines from ingested dust generated during a nuclear exchange. Nuclear dust cloud environment limits are developed and used to define test conditions for specified engines on current strategic aircraft. The study emphasizes the glass component of the dust clouds. Estimates of particle size distribution are presented. Dust cloud characteristics (composition, size, stabilization altitude, and post-stabilization cloud movement) are discussed. Upper bounds on potential aircraft encounter conditions are defined for the ALCM F-107, TF-33, and J-57 engines, and testing conditions are suggested.

Abstract Classification:Unclassified

Descriptive Note: Technical rept. 1 Oct 1982-31 Dec 1987

Pages:74 Page(s)

Report Number: RDA-TR-135608-001 *(RDATR135608001)* , DNA - TR-87-106 DTRA/FB *(DNATR87106 DTRAFB)* , XD - TR-87-106 DTRA/FB *(XDTR87106 DTRAFB)*

Monitor Series: TR-87-106 *(TR87106)* , DTRA/FB *(DTRAFB)*

Contract/Grant/Transfer Number: DNA001-85-C-0022 *(DNA00185C0022)*

Title: (U) Comparison of Request Handling Capability of Some Airborne Drum Memories

Accession Number: AD0754933

Personal Author(s): Sutherland, Norman B

Corporate Author: MITRE CORP BEDFORD MA

Report Date: Dec 1972

Abstract: (U) DATA PROCESSINGMAGNETIC DRUMS, AVIONICSA method is described for developing a consistent framework for comparing the request handling capabilities of various drum memories. The method permits one to estimate the request capacity of a drum, given its physical characteristics together with a number of assumptions regarding such factors as data organization, blocking average quantity of data transferred per request, and effective latency time. The method developed is used to compare the capability of several existing or proposed airborne drums. The effect of a number of possible modifications to a particular drum (e.g., increase density, increased rotational speed, reduction of number of overhead bits) is also examined.

Abstract Classification:Unclassified

Descriptive Note: Technical rept.

Pages:46 Page(s)

Report Number: MTR-2434 *(MTR2434)* , ESD - TR-72-327 ESD *(ESDTR72327)* , XC - TR-72-327 ESD *(XCTR72327)*

Monitor Series: TR-72-327 *(TR72327)* , ESD

Contract/Grant/Transfer Number: F19628-71-C-0002 *(F1962871C0002)*

FOIA U2 Display

Distribution/Classification

Distribution Code:01 - APPROVED FOR PUBLIC RELEASE

Distribution Statement:Approved for public release; distribution is unlimited.

Report Classification: Unclassified

Collection: Technical Reports

Title: (U) The Modular Command and Control Evaluation Structure (MCES): Applications of and Expansion to C3 Architectural Evaluation

PDF URL: (pdf) - 6 MB -

https://www.dtic.mil/DTICOnline/downloadPdf.search?collectionId=tr&docId=ADA179824

Accession Number: ADA179824

Personal Author(s): Sweet, Ricki ; Mensh, Dennis ; Gandee, Pat ; Stone, Ingabee ; Briggs, Kevin

Corporate Author: NAVAL POSTGRADUATE SCHOOL MONTEREY CA

Report Date: Sep 1986

Abstract: (U) MCES was developed as a tool to evaluate C2 systems architectures; more specifically, for the systematic comparison of C2 and C3 architectures. It is a methodology which may be used for evaluation, employing a common structured treatment. The methodology assumes that capabilities of selected C2 systems can be greatly improved by focussing upon both system and procedural changes. By using seven structured steps, a decisionmaker can choose to utilize recommendations made based on information provided to the process, or resubmit to the system for further analysis. Although this evaluation tool is generic in nature, its structure is such that it can be applied to a myriad of systems to study their effectiveness.

Abstract Classification:Unclassified

Descriptive Note: Final rept.

Pages:138 Page(s)

Report Number: XB - NPS *(XB)*

Monitor Series: NPS

FOIA U2 Display

Distribution/Classification

Distribution Code:01 - APPROVED FOR PUBLIC RELEASE , 20 - JOURNAL ARTICLES; DTIC USERS ONLY

Distribution Statement:Approved for public release; distribution is unlimited. Available only to DTIC users. U.S. Government or Federal Purpose Rights License.

Report Classification: Unclassified

Collection: Technical Reports

Title: (U) Hybrid Electric Vehicle Supervisory Control Design Reflecting Estimated Lithium-Ion Battery Electrochemical Dynamics

PDF URL: (pdf) - 640 KB -

https://www.dtic.mil/DTICOnline/downloadPdf.search?collectionId=tr&docId=ADA547619

Accession Number: ADA547619

Personal Author(s): Lee, Tae-Kyung ; Kim, Youngki ; Stephanopoulou, Anna ; Filipi, Zoran S

Corporate Author: MICHIGAN UNIV ANN ARBOR

Report Date: Jul 2011

Abstract: (U) Accurate prediction of the battery electrochemical dynamics is important to avoid undesired battery operation under aggressive driving. This paper proposes a battery power management strategy considering Li-ion concentration in the electrodes to prevent excessive battery charging and discharging. The proposed approach adjusts the allowable battery power limits through the feedback of the estimated electrode-averaged Li-ion concentration information. An advanced hybrid electric vehicle (HEV) power split strategy is constructed implementing a Li-ion battery model with electrochemical diffusion dynamics to capture the battery dynamic behavior under transients. A novel contribution arises from the implementation of an extended Kalman filter (EKF) using uneven discretization of the particle radius for fast and accurate prediction of the Lithium intercalation dynamics. The control design modifies the allowable battery power limit used in the supervisory controller, thus, maintaining low complexity of the control structure.

Abstract Classification:Unclassified

Descriptive Note: Conference paper

Pages:9 Page(s)

Report Number: XA - TARDEC *(XA)*

Monitor Series: TARDEC

FOIA U2 Display

Distribution/Classification

Distribution Code:01 - APPROVED FOR PUBLIC RELEASE

Distribution Statement:Approved for public release; distribution is unlimited.

Report Classification: Unclassified

Collection: Technical Reports

Title: (U) PACSAT: A Passive Communication Satellite for Survivable Command and Control

PDF URL: (pdf) - 1 MB -

https://www.dtic.mil/DTICOnline/downloadPdf.search?collectionId=tr&docId=ADA112414

Accession Number: ADA112414

Personal Author(s): Bedrosian, Edward

Corporate Author: RAND CORP SANTA MONICA CA

Report Date: Nov 1981

Abstract: (U) Examines passive comsats as alternatives to active comsats in the hostile environment that may exist in the postattack period of a nuclear war. Inexpensive, survivable, and jam resistant, they offer an attractive low-data- rate capability. PACSAT is a proliferable candidate for this role. It consists of a long (about 1 km), gravity-gradient-stabilized array of small beads (about 1 cm in diameter) that reflects a narrow, conical, frequency-steerable beam back to the earth. The properties of PACSAT are presented and its performance in a representative system for the command and control of MX is evaluated.

Abstract Classification:Unclassified

Descriptive Note: Interim rept.

Pages:38 Page(s)

Report Number: RAND/N-1780-ARPA *(RANDN1780ARPA)* , XD - DARPA *(XD)*

Monitor Series: DARPA

Contract/Grant/Transfer Number: MDA903-78-C-0281 *(MDA90378C0281)*

FOIA U2 Display

Distribution/Classification

Distribution Code:01 - APPROVED FOR PUBLIC RELEASE , 20 - JOURNAL ARTICLES; DTIC USERS ONLY

Distribution Statement:Approved for public release; distribution is unlimited. Available only to DTIC users. U.S. Government or Federal Purpose Rights License.

Report Classification: Unclassified

Collection: Technical Reports

Title: (U) Experimental Observation of Thermal-Blooming Phase-Compensation Instability

PDF URL: (pdf) - 304 KB -

https://www.dtic.mil/DTICOnline/downloadPdf.search?collectionId=tr&docId=ADA211466

Accession Number: ADA211466

Personal Author(s): Johnson, Bernadette ; Primmerman, Charles A

Corporate Author: MASSACHUSETTS INST OF TECH LEXINGTON LINCOLN LAB

Report Date: 15 Jun 1989

Abstract: (U) We have made the first experimental observations to our knowledge of thermal-blooming phase-compensation instability. We identified the instability by impressing a spatial intensity modulation on the laser beam and watching this modulation grow as thermal-blooming compensation was performed with a 69-channel phase-conjugate adaptive-optics system. Reprints.

Abstract Classification:Unclassified

Descriptive Note: Journal article

Pages:4 Page(s)

Report Number: JA-6213 *(JA6213)* , ESD - TR-89-174 ESD *(ESDTR89174)* , XC - TR-89-174 ESD *(XCTR89174)*

Monitor Series: TR-89-174 *(TR89174)* , ESD

Contract/Grant/Transfer Number: F19628-85-C-0002 *(F1962885C0002)*

FOIA U2 Display

Distribution/Classification

Distribution Code:A - UNLIMITED DISTRIBUTION

Secondary Dist:Approved for Public Release; Distribution Unlimited.

Export Control:No

For Pay:No

Copyrighted - No Govt Rights:No

Classification:UNCLASSIFIED

Collection: TEMS

Title: Organic Production Of Epifaunal Organisms.

PDF URL:

https://www.dtic.mil/DTICOnline/downloadPdf.search?collectionId=tems&docId=CBRNIAC-CB-143619

Accession Number:CBRNIAC-CB-143619

IAC Report Name:CB-143619 *CB143619*

Personal Author(s): Pequegnat, Willis E.

Performing Organization:TEXAS A AND M UNIV COLLEGE STATION DEPT OF OCEANOGRAPHY

Date of Publication:09 Nov 1970

Abstract: The studies investigated the potential productivity of the epifaunal component of the benthos of the nearshore marine ecosystem off southern California. Some attention was also given to the ability of this system to absorb environmental perturbations induced by man before it suffered irreparable damage. (Author)

Category:Final Report, 65-68

Pages:18 Page(s)

Site:CBRNIAC

Contract / Grant ID:NONR-2119(05) *NONR211905*

DTIC AD Number:714865

Report ID - Performing Org.:A/M-REF-70-18F *AMREF7018F*

FOIA U2 Display

Distribution/Classification

Distribution Code:A - UNLIMITED DISTRIBUTION

Secondary Dist:Approved for public release - unlimited Distribution

Export Control:No

For Pay:No

Copyrighted - No Govt Rights:No

Classification:UNCLASSIFIED

Collection: TEMS

Title: Tactics In The Development Of Mine Detector Dogs

PDF URL:

https://www.dtic.mil/DTICOnline/downloadPdf.search?collectionId=tems&docId=WSTIAC-PA38946

Accession Number:WSTIAC-PA38946

IAC Report Name:PA38946

Personal Author(s): Romba,John J;

Performing Organization:ARMY LAND WARFARE LABORATORY, ABERDEEN PROVING GROUND, MD

Date of Publication:01 Jan 1970

Abstract: The paper describes the development and characteristics of two U. S. mine dog systems. The Mine Detection Dog was recently made operational and has undergone a 6 month evaluation in RVN. The Specialized Mine Detection Dog is currently in development. The training procedures for both have been based on the reward or approach principle of learning.

Pages:9 Page(s)

Site:WSTIAC

DTIC AD Number:AD0713577

FOIA U2 Display

Distribution/Classification

Distribution Code:01 - APPROVED FOR PUBLIC RELEASE

Report Classification: Unclassified

Collection: Technical Reports

Title: (U) Optimum Service Life Determination Technique

PDF URL: (pdf) - 3 MB -

https://www.dtic.mil/DTICOnline/downloadPdf.search?collectionId=tr&docId=AD0752747

Accession Number: AD0752747

Corporate Author: LOGISTICS MANAGEMENT INST BETHESDA MD

Report Date: Nov 1972

Abstract: (U) The report describes efforts by LMI to determine feasible methods of attaining the following dual interrelated objectives: to improved long-range predictions of the safe remaining structural life of groups of Naval aircraft (e.g., all Navy F-4Bs) to be used statistically to facilitate and support decisions regarding major structural modification programs, programmed aircraft model service life and service life extensions, and planning of the future military role to be filled by given aircraft models, and to improved short-range predictions of the structural condition of individual Naval aircraft, which can be used to develop a maintenance strategy (e.g., inspection intervals) which would increase the probability of aircraft meeting operational commitments without major structural problems.

Abstract Classification:Unclassified

Pages:70 Page(s)

Report Number: LMI-72-12 *(LMI7212)* , XD - DOD *(XD)*

Monitor Series: DOD

Contract/Grant/Transfer Number: SD-271 *(SD271)*

FOIA U2 Display

Distribution/Classification

Distribution Code:01 - APPROVED FOR PUBLIC RELEASE

Distribution Statement:Approved for public release; distribution is unlimited.

Report Classification: Unclassified

Collection: Technical Reports

Title: (U) Bibliography of Soviet Laser Developments

PDF URL: (pdf) - 2 MB -

https://www.dtic.mil/DTICOnline/downloadPdf.search?collectionId=tr&docId=AD0753098

Accession Number: AD0753098

Personal Author(s): Hibben, Stuart G

Corporate Author: INFORMATICS INC ROCKVILLE MD

Report Date: 27 Nov 1972

Abstract: (U) Contents: Solid state lasers; Liquid lasers; Gas lasers; Chemical lasers; UV lasers; Components; Nonlinear optics; Spectroscopy of laser materials; Ultrashort pulse generation; Crystal growing; General laser theory; Biological effects; Communications; Computer technology; Holography; Instrumentation and measurements; Materials processing; Plasma generation and diagnostics.

Abstract Classification:Unclassified

Descriptive Note: Rept. no. 9, Jul-Sep 1972

Pages:130 Page(s)

Report Number: AFOSR - TR-72-2403 AFOSR *(AFOSRTR722403)* , XC - TR-72-2403 AFOSR *(XCTR722403)*

Monitor Series: TR-72-2403 *(TR722403)* , AFOSR

Contract/Grant/Transfer Number: F44620-72-C-0053 *(F4462072C0053)* , ARPA ORDER-1622-3 *(ARPAORDER16223)*

FOIA U2 Display

Distribution/Classification

Distribution Code:01 - APPROVED FOR PUBLIC RELEASE

Distribution Statement:Approved for public release; distribution is unlimited.

Report Classification: Unclassified

Collection: Technical Reports

Title: (U) Minuteman III Cost Per Alert Hour Analysis

PDF URL: (pdf) - 1 MB -

https://www.dtic.mil/DTICOnline/downloadPdf.search?collectionId=tr&docId=ADA558466

Accession Number: ADA558466

Personal Author(s): Miller, Allen R

Corporate Author: AIR FORCE INST OF TECH WRIGHT-PATTERSON AFB OH GRADUATE SCHOOL OF ENGINEERING AND MANAGEMENT

Report Date: 22 Mar 2012

Abstract: (U) This thesis analyzes the cost associated with the Minuteman III (MM III) weapon system. The research develops three models for determining MM III costs per alert hour (CPAH). The first model is based on the Air Force Cost Analysis Improvement Group cost per flying hour model. The model is modified to include depot level reparables, consumables, and personnel costs. The second model is based on the Office of the Secretary of Defense, Cost Analysis Improvement Group cost per flying hour model and is formulated using service-wide data from the Air Force Total Ownership Cost tool. The third model is a comprehensive model including indirect costs associated the ICBM-supporting installations. Additionally, this thesis includes a CPAH for each echelon or level of management for the MM III. The data reveals a

relatively small marginal CPAH at the lowest levels. However, due to the robust support structure for the MM III, the models reveal significant fixed alert-hour costs. Finally, the thesis discusses the workings of the MM III cost structure that may benefit future budgeting decisions. Specifically, the step functions associated with each level of management and the large fixed costs. This thesis presents the three models as a starting point for developing a CPAH predictive model in future research.

Abstract Classification:Unclassified

Descriptive Note: Master's thesis

Pages:88 Page(s)

Report Number: AFIT-LSCM-ENS-12-12 *(AFITLSCMENS1212)* , XC - AFNWC/NM *(XCAFNWCNM)*

Monitor Series: AFNWC/NM *(AFNWCNM)*

FOIA U2 Display

Distribution/Classification

Distribution Code:01 - APPROVED FOR PUBLIC RELEASE

Distribution Statement:Approved for public release; distribution is unlimited.

Report Classification: Unclassified

Collection: Technical Reports

Title: (U) Battery Power Management in Heavy-duty HEVs based on the Estimated Critical Surface Charge

PDF URL: (pdf) - 1 MB -

https://www.dtic.mil/DTICOnline/downloadPdf.search?collectionId=tr&docId=ADA576964

Accession Number: ADA576964

Personal Author(s): Lee, Tae-Kyung ; Kim, Youngki ; Kramer, Denise ; Filipi, Zoran

Corporate Author: MICHIGAN UNIV ANN ARBOR

Report Date: 01 Mar 2011

Abstract: (U) Real time battery performance in a Hybrid Electric Vehicle (HEV) is significantly affected by the battery allowable power limits. This is particularly true in the case of large vehicles, where rates of energy flows through the system reach up to the marginal values during aggressive acceleration or braking. The underlying phenomenon determining the limits is closely connected to the critical surface charge (CSC) defined by the average positive electrode concentration at the solid particle surface in the cell. This paper characterizes the CSC under high discharging power with respect to the initial battery state of charge (SOC), and subsequently utilizes the insight to propose a novel approach to design supervisory control of a series HEV. The new strategy includes a battery power management logic that prevents battery over-charging and overdischarging under aggressive driving conditions. The CSC estimated by the extended Kalman filter (EKF) is processed with a finite impulse response (FIR) filter to smooth out short-term fluctuations and highlight longer-term trajectories. Then, the filtered CSC

sequence is used to determine the battery allowable power limits in real time and feedbacked to the supervisory controller. The proposed strategy is implemented in the heavy-duty HEV simulation framework and its effectiveness is validated under an aggressive real-world military cycle. Undesirable battery operations and potential possibility of the complete Lithium-ion depletion are prevented, thus improving battery health prospects without any penalty on fuel efficiency.

Abstract Classification:Unclassified

Descriptive Note: Journal article

Pages:20 Page(s)

Report Number: TARDEC - 21551 TARDEC *(TARDEC)* , XA - 21551 TARDEC *(XA)*

Monitor Series: 21551 , TARDEC

Contract/Grant/Transfer Number: W56HZV-04-2-0001 *(W56HZV0420001)*

FOIA U2 Display

Distribution/Classification

Distribution Code:A - UNLIMITED DISTRIBUTION

Secondary Dist:Distribution Statement A Approved for public release: distribution is unlimited

Export Control:No

For Pay:No

Copyrighted - No Govt Rights:No

Classification:UNCLASSIFIED

Collection: TEMS

Title: Evaluation And Validation (e&v) Team Public Report: Volume Ii

PDF URL:

https://www.dtic.mil/DTICOnline/downloadPdf.search?collectionId=tems&docId=DACS-DACS-7547

Accession Number:DACS-DACS-7547

IAC Report Name:7547

Personal Author(s): Raymond Szymanski

Monitoring Organization:Ada Joint Program Office, 3D139 Pentagon, Washington, DC 20301

Performing Organization:Air Force Wright Laboratories, Wright-Patterson Air Force Base, OH 45433-6543

Abstract: Activities and accomplishments of the Evaluation and Validation (E&V) Team are reported for FY1985. The purpose of the E&V Task, which is sponsored by the Ada Joint Program Office (AJPO), is to develop techniques and tools that will provide a capability to perform assessment of Ada Programming Support Environments (APSEs) and to determine

conformance of APSEs to the Common APSE Interface Set (CAIS). As this technology is developed, it is being made available to DoD components, industry, and academia. (author)

Pages:329 Page(s)

Site:DACS

DTIC AD Number:AD-A172 343 *ADA172343*

Report ID - Performing Org.:AFWAL-TR-85-1016, Vol II *AFWALTR851016VolII*

FOIA U2 Display

Distribution/Classification

Distribution Code:01 - APPROVED FOR PUBLIC RELEASE

Report Classification: Unclassified

Collection: Technical Reports

Title: (U) Future Years Defense Program (FYDP) Structure

PDF URL: (pdf) - 4 MB -

https://www.dtic.mil/DTICOnline/downloadPdf.search?collectionId=tr&docId=ADA424246

Accession Number: ADA424246

Corporate Author: OFFICE OF THE SECRETARY OF DEFENSE WASHINGTON DC DIRECTOR PROGRAM ANALYSIS AND EVALUATION

Report Date: Apr 2004

Abstract: (U) This Handbook lists the alphanumeric codes and titles of the two principal structural elements of the FYDP: Program Element (PE) and Resource Identification Code (RIC). The Handbook also contains definitions for FYDP PEs and the alphanumeric codes for the DoD Components that have resources in the FYDP. These Component codes are subsidiary field in the PE codes. In addition, the Handbook states some of the major roles that guide the allocation of FYDP resources (Total Obligational Authority (TOA), Manpower, and Forces) to FYDP PEs.

Abstract Classification:Unclassified

Pages:2161 Page(s)

Report Number: DOD-7045.7-H *(DOD70457H)* , XD - OD(PA/E) *(XDODPAE)*

Monitor Series: OD(PA/E) *(ODPAE)*

FOIA U2 Display

Distribution/Classification

Distribution Code:A - UNLIMITED DISTRIBUTION

Secondary Dist:Approved for Public Release; Distribution Unlimited.

Export Control:No

Classification:UNCLASSIFIED

Collection: TEMS

Title: Emergency Management Glossary And Acronyms.

PDF URL:

https://www.dtic.mil/DTICOnline/downloadPdf.search?collectionId=tems&docId=CBRNIAC-CB-065708

Accession Number:CBRNIAC-CB-065708

IAC Report Name:CB-065708 *CB065708*

Personal Author(s): Larson, Dean R.

Performing Organization:UNITED STATES STEEL CORP GARY IN GARY WORKS

Date of Publication:08 Nov 2002

Abstract: Dr Larson is the Department Manager, Safety and Industrial Hygiene for US Steel Gary Works in Gary, Indiana. After receiving his BS from Purdue University, he was commissioned in the US Navy. Captain Larson retired in 1992 after thirty years of active and reserve service as a Special Operations and Surface Warfare Officer. He received his Master's degree from the Naval Postgraduate School and PhD from Purdue in Instructional Research and Design. Prior to his present position, Dr Larson worked for Argonne National Laboratory as Environment, Safety and Health Training Manager. He designed and developed an integrated environment, safety and health program considered one of the best in the Department of Energy system. Prior to joining Argonne,he worked for US. Steel Corporation in Gary, Indiana, in management of environment, safety and healthprograms for the Coke and Chemicals operations. Dr Larson returned to US Steel-Gary Works in 1995 to serve as the Department Manager, Safety and Industrial Hygiene. He has served in variety of emergency management positions including planning for USX Corporation, Naval Liaison Officer to The Adjutant General of Indiana and to FEMA Region V, Disaster Preparedness Officer of Naval Training Center Great Lakes and On-Scene Commander for the Navy. He currently serves as the US Steel-Gary Works representative to the Local Emergency Planning Committee, Lake County, Indiana. Dr Larson continues his service to the federal government as a Naval Academy Information Officer and Training Officer of the Indiana Committee for Employer Support to the Guard and Reserve. He is a Certified Safety Professional (CSP), a Certified Emergency Manager (CEM) and a Certified Professional Environmental Auditor-Safety & Health (CPEA), with additional qualifications in hazardous materials, and explosive safety. Dr Larson is a guest lecturer for Purdue University Calumet and Kennedy Western University.

Category:Glossary

Pages:131 Page(s)

Site:CBRNIAC

Distribution/Classification

Distribution Code:01 - APPROVED FOR PUBLIC RELEASE

Report Classification: Unclassified

Collection: Technical Reports

Title: (U) DoD Force & Infrastructure Categories: A FYDP-Based Conceptual Model of Department of Defense Programs and Resources

PDF URL: (pdf) - 4 MB -

https://www.dtic.mil/DTICOnline/downloadPdf.search?collectionId=tr&docId=ADA409235

Accession Number: ADA409235

Personal Author(s): Porten, Ronald E ; Cuda, Daniel L ; Yengling, Arthur C

Corporate Author: INSTITUTE FOR DEFENSE ANALYSES ALEXANDRIA VA

Report Date: Sep 2002

Abstract: (U) This paper describes a framework that organizes and displays every dollar person and piece of equipment shown in DoD's Future Years Defense Program (FYDP). The framework, called Force & Infrastructure Categories (F&IC), represents a conceptual model of the DoD that is based on two types of organizations, Forces and Infrastructure, and reflects the division of labor between them. Forces organizations are the war fighting ships, squadrons, and battalions assigned to the Combatant Commands. Infrastructure organizations are the laboratories, depots, shipyards, test ranges, schools, and hospitals assigned exclusively to the Military Departments. The F&IC model presents Forces as the tools Combatant Commanders use to fight wars and Infrastructure as the set of activities needed to create and sustain those Forces. The F&IC is designed to provide senior decision makers with the revised definitions, relevant categories, and new vocabulary needed to frame issues, communicate intent, and control implementation in a new era of national defense.

Abstract Classification:Unclassified

Descriptive Note: Final rept. Aug 1998-Sep 2002

Pages:260 Page(s)

Report Number: IDA/HQ-P-3660 *(IDAHQP3660)* , XD - OD(PA/E) *(XDODPAE)*

Monitor Series: OD(PA/E) *(ODPAE)*

Contract/Grant/Transfer Number: DASW91-98-C-0067 *(DASW9198C0067)*

FOIA U2 Display

Distribution/Classification

Distribution Code:01 - APPROVED FOR PUBLIC RELEASE , 26 - NOT AVAILABLE IN MICROFICHE

Distribution Statement:Availability: This document is not available from DTIC in microfiche.

Report Classification: Unclassified

Collection: Technical Reports

Title: (U) The Death of Superman: The Case Against Specialized Tanker Aircraft in the USAF

PDF URL: (pdf) - 1 MB -

https://www.dtic.mil/DTICOnline/downloadPdf.search?collectionId=tr&docId=ADA420556

Accession Number: ADA420556

Personal Author(s): Gibson, Thomas L

Corporate Author: AIR UNIV MAXWELL AFB AL SCHOOL OF ADVANCED AIRPOWER STUDIES

Report Date: Jun 2002

Abstract: (U) This thesis analyzes the need for a comprehensive recapitalization of United States Air Force air refueling capabilities. The end of the Cold War resulted in an uncertain international security environment devoid of a monolithic threat. While adjusting to its role as the world's sole superpower, the United States adopted an attitude of global responsibility, resulting in increased commitment of military forces. Subsequent deployments have taxed the core USAF tanker, the KC-l35, to near critical levels, generating the recapitalization need. Conclusions are based on the synthesis of historical trends, organizationally endorsed material, and a feasibility-acceptability-adequacy model. Five options, including staying with the current tanker force, modifying commercial aircraft, acquiring an all-new tanker, civilian contract refueling, and unmanned aerial tankers are assessed. The resulting combination of dynamic and static analysis reveals the need for a paradigm shift regarding the USAF tanker fleet. The USAF should not acquire specialized tanker aircraft to meet its needs, There has been a migration away from specialized tanker platforms to multi-role aircraft for decades. Future concepts of operations will continue to demand a robust, capable tanker fleet. In order to meet future needs, the USAF should continue to maintain its current fleet, despite unplanned maintenance delays, acquire an interim capability in the form of a commercially modified tanker, and begin the acquisition process on a KC-X next generation tanker. This study concludes, however, that each of these steps should occur within the context of the new paradigm such that the aircraft are employed as communications relays, reconnaissance platforms, or any number of other primary roles and perform the refueling mission secondarily.

Abstract Classification:Unclassified

Descriptive Note: Master's thesis

Pages:94 Page(s)

Report Number: XC - AU-SAAS *(XCAUSAAS)*

Monitor Series: AU-SAAS *(AUSAAS)*

FOIA U2 Display

Distribution/Classification

Distribution Code:01 - APPROVED FOR PUBLIC RELEASE

Report Classification: Unclassified

Collection: Technical Reports

Title: (U) Program Budgeting to Improve Decision Making and Resource Planning in Estonian Defense

PDF URL: (pdf) - 6 MB -

https://www.dtic.mil/DTICOnline/downloadPdf.search?collectionId=tr&docId=ADA393125

Accession Number: ADA393125

Personal Author(s): Kask, Aldo

Corporate Author: NAVAL POSTGRADUATE SCHOOL MONTEREY CA

Report Date: Jun 2001

Abstract: (U) The thesis examines the linkage between budgeting, budget structure and decision making, discusses different functions a budget must fulfill and identifies criteria a budget structure should meet to support rational decision making. An examination of the most common budgeting approaches and the budget formats they use follows. As a result of this examination a mission-based program budget format emerges as the most suitable format for rational decision making at the top of organizations. After identifying missions of the current military strategy, goals of the Estonian defense, and the structure of the current defense budget, the thesis analyses the strengths and weaknesses of the current defense budget structure and concludes that although it scores high on one major budgeting function: control; it does not support rational decision making at the top of Estonian defense establishment. To improve the situation the thesis identifies several alternative ways to structure and present budgetary information and assesses their strengths and weaknesses. And finally, some suggestions for further research conclude the study.

Abstract Classification:Unclassified

Descriptive Note: Master's thesis

Pages:164 Page(s)

Report Number: XB - NPS *(XB)*

Monitor Series: NPS

FOIA U2 Display

Distribution/Classification

Distribution Code:01 - APPROVED FOR PUBLIC RELEASE

Report Classification: Unclassified

Collection: Technical Reports

Title: (U) Inside The Cold War. A Cold Warrior's Reflections

PDF URL: (pdf) - 9 MB -

https://www.dtic.mil/DTICOnline/downloadPdf.search?collectionId=tr&docId=ADA374542

Accession Number: ADA374542

Personal Author(s): Adams, Chris

Corporate Author: AIR UNIV MAXWELL AFB AL

Report Date: Sep 1999

Abstract: (U) This publication reflects a compilation of excerpts from an unpublished broader treatment that recounts the nearly five decades of delicate coexistence between two nations known as the superpowers during the international conflict known as the Cold War. Publication of this text fulfills one of my principal purposes in the original manuscript; that is, to pay tribute to that special breed of American heroes known as the Cold Warriors-the men and women who served in the strategic nuclear forces during the Cold War. Another purpose is to provide a brief parallel view of Soviet war fighters. These two opposing groups of warriors served their respective countries faithfully during those critical years of roller coaster politics, inconsistent diplomacy, and occasional lunacy.

Abstract Classification:Unclassified

Pages:189 Page(s)

Report Number: XC - AU *(XC)*

Monitor Series: AU

FOIA U2 Display

Distribution/Classification

Distribution Code:01 - APPROVED FOR PUBLIC RELEASE

Report Classification: Unclassified

Collection: Technical Reports

Title: (U) Securing the U.S. Defense Information Infrastructure: A Proposed Approach.

PDF URL: (pdf) - 7 MB -

https://www.dtic.mil/DTICOnline/downloadPdf.search?collectionId=tr&docId=ADA365673

Accession Number: ADA365673

Personal Author(s): Anderson, Robert H ; Feldman, Phillip M ; Gerwehr, Scott ; Houghton, Brian ; Mesic, Richard

Corporate Author: RAND CORP SANTA MONICA CA

Report Date: Jan 1999

Abstract: (U) This report addresses the survivability and assured availability of essential U.S. information infrastructures, especially when they are under various forms of information warfare attack. To the best of our knowledge, the term minimum essential information infrastructure (MEII) was coined by one of the authors (Mesic) as part of the planning for a series of Day After. in Cyberspace information warfare exercises conducted from 1995 to the present under the direction of our RAND colleague Roger Molander. The idea is that some information infrastructures are so essential that they should be given special attention, perhaps in the form of special hardening, redundancy, rapid recovery, or other protection or recovery mechanisms. Players in the Day After exercises were intrigued by the MEII concept but asked: Is this concept feasible? Is it practical? For what portions of the Department of Defense and U.S. infrastructure is the concept relevant? What would such infrastructures look like? How effective or useful would they be? This report documents the findings of the first year of a study of the MEII

concept, attempting to formulate some initial answers to these questions-or, if these are not the right questions, to ask and answer better ones. This report should be of interest to persons responsible for assuring the reliability and availability of essential information systems throughout the U.S. defense establishment, the U.S. critical infrastructure, and other organizations. Its findings and recommendations are relevant at all organizational levels, from small units to major commands.

Abstract Classification:Unclassified

Pages:179 Page(s)

Report Number: RAND-MR-993-05D/NSA/DARPA *(RANDMR99305DNSADARPA)* , XJ - OSD *(XJ)*

Monitor Series: OSD

Contract/Grant/Transfer Number: DASW01-95-C-0059 *(DASW0195C0059)*

FOIA U2 Display

Distribution/Classification

Distribution Code:01 - APPROVED FOR PUBLIC RELEASE

Report Classification: Unclassified

Collection: Technical Reports

Title: (U) NATO Glossary of Abbreviations Used in NATO Documents and Publications

PDF URL: (pdf) - 7 MB -

https://www.dtic.mil/DTICOnline/downloadPdf.search?collectionId=tr&docId=ADA380915

Accession Number: ADA380915

Corporate Author: NORTH ATLANTIC TREATY ORGANIZATION BRUSSELS (BELGIUM)

Report Date: Jan 1999

Abstract: (U) This version of AAP-15(F), which has been produced in Microsoft WORD 97, contains current and new NATO abbreviations and acronyms found in various NATO publications and frequently used documents. This publication is not ratified by a STANAG. Member Nations and other users may therefore use it as they see fit and refer to it as an official reference publication of a descriptive nature.

Abstract Classification:Unclassified

Pages:231 Page(s)

Report Number: AAP-15(F) *(AAP15F)* , X5 - NATO *(X5)*

Monitor Series: NATO

FOIA U2 Display

Distribution/Classification

Distribution Code:01 - APPROVED FOR PUBLIC RELEASE

Report Classification: Unclassified

Collection: Technical Reports

Title: (U) Special Military Operations 7610.4J

PDF URL: (pdf) - 19 MB -

https://www.dtic.mil/DTICOnline/downloadPdf.search?collectionId=tr&docId=ADA355579

Accession Number: ADA355579

Corporate Author: FEDERAL AVIATION ADMINISTRATION WASHINGTON DC

Report Date: 03 Nov 1998

Abstract: (U) This order specifies procedures for air traffic control planning, coordination, and services during defense activities and special military operations. These procedures apply to all activities conducted in airspace controlled by or under the jurisdiction of the Federal Aviation Administration (FAA). The procedures contained herein shall be used as a planning guide by Department of Defense (DOD) personnel for operations in all areas. All facility personnel are required to be familiar with the provisions of this order which pertain to their operational responsibilities. Although every effort has been made to prescribe complete procedures for these activities, it is impossible to provide them to cover every circumstance. Therefore, when a situation arises for which there is no specific procedure covered in this order, personnel shall exercise their best judgment. For administrative purposes, the military services have included this order into their inventory. This has been done to emphasize its applicability to DOD personnel including the National Guard and the Reserve Forces. Operational control and administration of this order remains under the purview of the FAA. Any changes will be coordinated prior to adoption, consistent with FAA policy.

Abstract Classification:Unclassified

Pages:350 Page(s)

Report Number: FAA-7610.4J *(FAA76104J)* , XH - XD *(XH)*

Monitor Series: XD

FOIA U2 Display

Distribution/Classification

Distribution Code:01 - APPROVED FOR PUBLIC RELEASE , 26 - NOT AVAILABLE IN MICROFICHE

Distribution Statement:Approved for public release; distribution is unlimited., Availability: This document is not available from DTIC in microfiche.

Report Classification: Unclassified

Collection: Technical Reports

Title: (U) Active Air Force Wings as of 1 October 1995; USAF Active Flying, Space, and Missile Squadrons as of 1 October 1995

PDF URL: (pdf) - 9 MB -

https://www.dtic.mil/DTICOnline/downloadPdf.search?collectionId=tr&docId=ADA434547

Accession Number: ADA434547

Personal Author(s): Endicott, Judy G ; Bailey, Carl E ; Cully, George W ; Harris, W S ; Hartman, Sara K ; Heskett, K D ; Light, J R ; Perdue, Johnna A

Corporate Author: AIR FORCE HISTORICAL RESEARCH AGENCY MAXWELL AFB AL

Report Date: Jan 1998

Abstract: (U) In the early 1990s, sharply reduced military budgets and post-Cold War strategic requirements drove the Air Force to restructure its organization drastically. Recognizing that the active Air Force planned for 1995 would be less than half the size of the Air Force existing in 1990, General Merrill A. McPeak, the Air Force Chief of Staff, aggressively sought to preserve USAF heritage and to increase the historical awareness of USAF personnel. Among other initiatives, he directed the Air Force Historical Research Agency to compile a two-volume series publicizing the lineage and heraldry of the wings and flying squadrons that would remain in the active Air Force. Active Air Force Wings, the first volume in the heritage series, includes all regular Air Force wings active as of 1 October 1995. Within this volume are the lineages, honors, and heraldry of combat wings created after 1947 and those that originated as combat groups or four-digit organizations. Every wing appears with the designation it possessed on 1 Oct 1995. For each wing, the book provides lineage, assignments, tactical components, stations, commanders, aircraft and missiles, operations, service and campaign streamers, armed forces expeditionary operations unit streamers, decorations, emblem, and bestowed honors where applicable. USAF Active Flying, Space, and Missile Squadrons, the second volume in the heritage series, includes those squadrons that were active on 1 Oct 1995. Within this volume are the squadrons' lineages, honors, and heraldry. Every squadron appears with the designation that it possessed on 1 Oct 1995. For each squadron, the book provides lineage, assignments, stations, aircraft and missiles, a brief statement of operations, service and campaign streamers, armed forces expeditionary streamers, decorations, and emblem.

Abstract Classification:Unclassified

Pages:914 Page(s)

Report Number: XC - AFHR/AL *(XCAFHRAL)*

Monitor Series: AFHR/AL *(AFHRAL)*

FOIA U2 Display

Distribution/Classification

Distribution Code:A - UNLIMITED DISTRIBUTION

Secondary Dist:Approved for public release; distribution is unlimited.

Export Control:No

For Pay:No

Copyrighted - No Govt Rights:No

Classification:UNCLASSIFIED

Collection: TEMS

Title: Defense And Intelligenceabbreviations And Acronyms

PDF URL:

https://www.dtic.mil/DTICOnline/downloadPdf.search?collectionId=tems&docId=IATAC-IA-05402

Accession Number:IATAC-IA-05402

IAC Report Name:IA-05402 *IA05402*

Performing Organization:IATAC

Date of Publication:01 Nov 1997

Abstract: This comprehensive list of intelligence abbreviations and acronyms includesthose used presently, as well as those in use for approximately the last ten years.Sources for this list include the last DIA Lexicon published in 1991, numerousglossaries from Unified Command and Combat Support Agency documents, andcontributions, from the faculty of the Joint Military Intelligence College. Theexpansion of any item may vary somewhat from one organization to another,but this list will hopefully contribute to greater standardization.This editor is indebted to kSgt Hannah Reddy (USA) and SSgt Angela Wimbush(USAF) of the College, who spent many hours in collating this list. DebbieLinesberry of the U.S. Special Operations Command collaborated by addingthat commands most frequently used acronyms. 2LT Vincent Littrell (USAF)and SFC Mark McCurry (USA) helped ensure that the list contains as few errorsas possible, and the editor extends his thanks for that dedicated assistance.

Pages:253 Page(s)

Site:IATAC

Contract / Grant ID:SPO700-98-D-4002 *SPO70098D4002*

FOIA U2 Display

Distribution/Classification

Distribution Code:01 - APPROVED FOR PUBLIC RELEASE

Report Classification: Unclassified

Collection: Technical Reports

Title: (U) Biodegradability and Microbial Toxicity of Aircraft Fuel System Icing Inhibitors

PDF URL: (pdf) - 648 KB -

https://www.dtic.mil/DTICOnline/downloadPdf.search?collectionId=tr&docId=ADA390424

Accession Number: ADA390424

Personal Author(s): Meshako, Charles E

Corporate Author: AIR FORCE INST OF TECH WRIGHT-PATTERSONAFB OH

Report Date: Dec 1996

Abstract: (U) The biodegradation characteristics of three fuel system icing inhibitors (FSII) were evaluated. FSII are jet fuel additives that partition into water readily and are present in the water drained from storage tank bottoms in concentrations approaching 40%. These concentrations raise concerns as to the disposal and handling of these wastes. The current FSII, DiEGME was evaluated along with two new candidates, dipropylene glycol and glycerol formal DiEGME appeared to be moderately but not completely biodegradable. It is likely that much of it would be removed in a wastewater treatment plant. Dipropylene glycol only showed signs of degradation after more than three weeks at which point it degraded moderately well. The third FSII. glycerol formal did not show any signs of biodegradability during the five week period of testing. Preliminary toxicity and inhibitory tests were carried out for these chemicals at high and low concentrations. DiEGME appeared to be most toxic to microorganisms at high concentrations, dipropylene glycol show moderate toxicity, and glycerol formal showed little. At low concentrations, none of the chemicals appeared to inhibit the activity of microorganisms.

Abstract Classification:Unclassified

Descriptive Note: Master's thesis

Pages:9 Page(s)

Report Number: XC - AFIT *(XC)*

Monitor Series: AFIT

FOIA U2 Display

Distribution/Classification

Distribution Code:01 - APPROVED FOR PUBLIC RELEASE

Report Classification: Unclassified

Collection: Technical Reports

Title: (U) Operation and Maintenance Funding. Trends in Army and Air Force Use of Funds for Combat Forces and Infrastructure.

PDF URL: (pdf) - 2 MB -

https://www.dtic.mil/DTICOnline/downloadPdf.search?collectionId=tr&docId=ADA311146

Accession Number: ADA311146

Corporate Author: GENERAL ACCOUNTING OFFICE WASHINGTON DC NATIONAL SECURITY AND INTERNATIONAL A FFAIRS DIV

Report Date: Jun 1996

Abstract: (U) The Secretary of Defense has stated that the Department of Defense (DOD) must begin to increase procurement funding if it is to have a modern future force. The Secretary wants to reform the acquisition process and streamline the infrastructure to pay, in part, for force modernization. In this regard, DOD has projected decreases in the operation and maintenance (O&M) account and increases in the procurement account beginning in fiscal year 1998 as

reflected in the Future Years Defense Program submissions to Congress. The report reviewed how the Army and the Air Force obligated their annual O&M funds and compared their obligations to what was requested in the President's budgets. It determined what portion of total obligations was used for infrastructure activities as opposed to combat forces. The Navy was not included in the review because, at the headquarters level, it does not maintain the level of budget request and obligation data we needed for the analysis.

Abstract Classification:Unclassified

Pages:50 Page(s)

Report Number: GAO/NSIAD-96-141 *(GAONSIAD96141)* , X1 - XD *(X1)*

Monitor Series: XD

FOIA U2 Display

Distribution/Classification

Distribution Code:01 - APPROVED FOR PUBLIC RELEASE , 23 - AVAILABILITY: DOCUMENT PARTIALLY ILLEGIBLE

Distribution Statement:Availability: Document partially illegible.

Report Classification: Unclassified

Collection: Technical Reports

Title: (U) Establishing Resource Baseline Estimates for DoD Functional Activities. (Corporate Information Management).

PDF URL: (pdf) - 13 MB -

https://www.dtic.mil/DTICOnline/downloadPdf.search?collectionId=tr&docId=ADA310036

Accession Number: ADA310036

Personal Author(s): Romito, Joseph ; Capozzi, Roy

Corporate Author: LOGISTICS MANAGEMENT INST MCLEAN VA

Report Date: Aug 1995

Abstract: (U) To carry out their responsibilities for strategic planning and business process reengineering, the Defense Department's managers need reliable financial resource information that reflects the costs of the functional activities they manage. An analysis has been conducted that uses the DoD Future Years Defense Program (FYDP) to develop financial resource baselines for DoD's functional activities. The FYDP is considered the best single source for resource information because it is DoD's official resource data base, the resources displayed in the FYDP are mutually exclusive and collectively exhaustive, and its standardized structure ensures that resource information can be obtained on a recurring basis with a consistent set of definitions and terms. This report maps the financial resource records in the FYDP data base to the Department's functional activities and associated responsible managers. The report recommends follow-on actions that would enable functional managers to use the FYDP to support their strategic planning and reengineering; provide managers with enhanced tools, or new resource linkages within existing tools; and identify enhancements to the FYDP that would improve its utility to functional managers.

Abstract Classification:Unclassified

Descriptive Note: Final rept.,

Pages:145 Page(s)

Report Number: LMI-CC303MR1 *(LMICC303MR1)* , XD - OASD/CCCI *(XDOASDCCCI)*

Monitor Series: OASD/CCCI *(OASDCCCI)*

Contract/Grant/Transfer Number: MDA903-90-C-0006 *(MDA90390C0006)*

FOIA U2 Display

Distribution/Classification

Distribution Code:01 - APPROVED FOR PUBLIC RELEASE

Report Classification: Unclassified

Collection: Technical Reports

Title: (U) Evaluating End Effects for Linear and Integer Programs using Infinite-Horizon Linear Programming.

PDF URL: (pdf) - 7 MB -

https://www.dtic.mil/DTICOnline/downloadPdf.search?collectionId=tr&docId=ADA297052

Accession Number: ADA297052

Personal Author(s): Walker, Steven C

Corporate Author: NAVAL POSTGRADUATE SCHOOL MONTEREY CA

Report Date: Mar 1995

Abstract: (U) This dissertation considers optimization problems in which similar decisions need to be made repeatedly over many successive periods. These problems have wide applications including manpower planning, scheduling, production planning and control, capacity expansion, and equipment replacement/modemization. In reality these decision problems usually extend over an indeterminate horizon, but it is common practice to model them using a finite horizon. Unfortunately, an artificial finite horizon may adversely influence optimal decisions, a difficulty commonly referred to as the end effects problem. Past research into end effects has focused on theoretical issues associated with solving (or approximately solving) infinite-horizon extensions of finite-horizon problems. This dissertation derives equivalent finite-horizon formulations for a small class of infinite-horizon problem structures. For a larger class of problems, it also develops finite-horizon approximations which bound the infinite- horizon optimal solution, thereby quantifying the influence of end effects. For linear programs, extensions of these approximations quantify the end effects of fixed initial period decisions over a functional range of future infinite-horizon conditions. (KAR) P. 2

Abstract Classification:Unclassified

Descriptive Note: Master's thesis,

Pages:226 Page(s)

Report Number: XB - NPS *(XB)*

Monitor Series: NPS

FOIA U2 Display

Distribution/Classification

Distribution Code:01 - APPROVED FOR PUBLIC RELEASE

Report Classification: Unclassified

Collection: Technical Reports

Title: (U) Cost Analysis of the Military Medical Care System

PDF URL: (pdf) - 11 MB -

https://www.dtic.mil/DTICOnline/downloadPdf.search?collectionId=tr&docId=ADA285506

Accession Number: ADA285506

Personal Author(s): Goldberg, Matthew S ; Chin, Stanley ; Dorris, Joseph F ; Horowitz, Stanley A ; Lee, James A

Corporate Author: INSTITUTE FOR DEFENSE ANALYSES ALEXANDRIA VA

Report Date: Sep 1994

Abstract: (U) In FY 1992, the Congress mandated that DoD conduct a comprehensive study of the military medical-care system. As part of that effort, IDA was tasked to analyze the cost structure of military hospitals. IDA first established a baseline medical expenditure of $15.6 billion for FY 1990. That estimate is about 10% higher than previous official estimates. IDA also developed models that relate cost to workload for individual military hospitals. IDA's models were based on data from the Medical Expense and Performance Reporting System (MEPRS), which is known to understate some of the cost elements. As part of the modeling process, IDA developed adjustment factors that render MEPRS data comparable to prices charged in the civilian sector. These adjustment factors range between 11% and 17%. Finally, IDA used its models to project in-house medical costs under four analytical cases. The various cases involve expansion or contraction in system-wide capacity, corresponding changes in workload and, in a few instances, competition for enrollment of beneficiaries. The Office of the Director (Program Analysis and Evaluation) combined IDA's cost projections for the cases with its own analysis, and published the overall study findings under separate cover.

Abstract Classification:Unclassified

Descriptive Note: Final rept. Jun 1992-Sep 1994

Pages:251 Page(s)

Report Number: IDA-P-2990 *(IDAP2990)* , OSD(PA/E) - 94-45659 OSD(PA/E) *(OSDPAE9445659 OSDPAE)* , XD - 94-45659 OSD(PA/E) *(XD9445659 OSDPAE)*

Monitor Series: 94-45659 *(9445659)* , OSD(PA/E) *(OSDPAE)*

Contract/Grant/Transfer Number: MDA903-89-C-0003 *(MDA90389C0003)*

FOIA U2 Display

Distribution/Classification

Distribution Code:01 - APPROVED FOR PUBLIC RELEASE

Report Classification: Unclassified

Collection: Technical Reports

Title: (U) Space Debris Research Phase One Program: Abstracts from Published Papers (1990-1993).

PDF URL: (pdf) - 2 MB -

https://www.dtic.mil/DTICOnline/downloadPdf.search?collectionId=tr&docId=ADA289504

Accession Number: ADA289504

Personal Author(s): Maethner, Scott R

Corporate Author: PHILLIPS LAB KIRTLAND AFB NM

Report Date: Jun 1994

Abstract: (U) This document contains the abstracts from 63 papers published in support of the U.S. Air Force Phillips Laboratory Phase One Space Debris Research Program. This program, which was completed on 31 Dec 93, focused on characterizing the low earth orbit space debris environment and establishing the current and projected hazards to U.S. Air Force and Department of Defense space assets. The program emphasized both the measurement and modeling efforts needed to characterize the current debris environment for debris sizes down to 1 mm. In addition to the paper abstracts, this document lists paper titles, authors, and the paper publication sources.

Abstract Classification:Unclassified

Descriptive Note: FInal rept. Sep 93-May 94,

Pages:41 Page(s)

Report Number: PL-TR-94-1005 *(PLTR941005)* , XC - PL/NM *(XCPLNM)*

Monitor Series: PL/NM *(PLNM)*

FOIA U2 Display

Distribution/Classification

Distribution Code:01 - APPROVED FOR PUBLIC RELEASE , 20 - JOURNAL ARTICLES; DTIC USERS ONLY

Distribution Statement:Availability: Pub. in SPIE Proceedings of the International Society for Optical Engineering, v2214 p7-20, 4-6 Apr 94, Orlando, FL. Available only to DTIC users. No copies furnished by NTIS.

Report Classification: Unclassified

Collection: Technical Reports

Title: (U) Orbital Debris Detection Program Highlights from the Air Force Maui Optical Station.

PDF URL: (pdf) - 1 MB -

https://www.dtic.mil/DTICOnline/downloadPdf.search?collectionId=tr&docId=ADA294871

Accession Number: ADA294871

Personal Author(s): Houchard, Jeff ; Kervin, Paul ; Africano, John ; Kuo, Didi ; Medrano, Rob

Corporate Author: PHILLIPS LAB KIRTLAND AFB NM

Report Date: 06 Apr 1994

Abstract: (U) The Air Force Maui Optical Station (AMOS) conducted searches, measurements and analyses of the orbital debris environment for the Air Force Space Command (AFSPC) and the Phillips Laboratory (PL) since May 1991 in support of the Air Force Orbital Debris Measurements Program. The objective of this program was to detect orbiting low earth objects not currently in the United States Space Command Space Surveillance Center (SSC) catalog. Once objects were detected, further objectives were to track, catalog and maintain those objects locally, to determine statistics on detected objects, and perform relevant analyses. AMOS has developed a prototype surveillance system for the detection and tracking of orbital debris. In addition to this surveillance activity, AMOS has also automated the post-processing videotape streak detection process and is automating the analysis process. Both the optical tracking of orbital debris and the automated streak detection process were thought to be virtually impossible until a few years ago. The AMOS program employed wide field of view optical telescopes using the Maui Groundbased Electro-Optical Deep Space surveillance (GFODSS) site and AMOS narrow field of view tracking telescopes, both located at the Maui Space Surveillance Site (MSSS).

Abstract Classification:Unclassified

Descriptive Note: Conference proceedings,

Pages:16 Page(s)

Report Number: PL-WS-94-37 *(PLWS9437)* , XC - PL *(XC)*

Monitor Series: PL

FOIA U2 Display

Distribution/Classification

Distribution Code:01 - APPROVED FOR PUBLIC RELEASE

Distribution Statement:Approved for public release; distribution is unlimited.

Report Classification: Unclassified

Collection: Technical Reports

Title: (U) Marine Corps Lessons Learned System (MCLLS) User's Guide

PDF URL: (pdf) - 3 MB -

https://www.dtic.mil/DTICOnline/downloadPdf.search?collectionId=tr&docId=ADA576006

Accession Number: ADA576006

Corporate Author: MARINE CORPS WASHINGTON DC

Report Date: 20 Aug 1993

Abstract: (U) The Marine Corps Lessons Learned System (MCLLS) User's Manual (Version 4.0), dated 20 August 1993, was prepared by the Institute for Simulation and Training of the University of Central Florida, in support of the Warfighting Development Integration Division (WDID). This manual provides specific procedures for using the software. It also helps units to process and submit their after-action reports in accordance with Marine Corps Order (MCO) 5000.17.

Abstract Classification:Unclassified

Descriptive Note: User's manual

Pages:78 Page(s)

Report Number: XY - USMC *(XY)*

Monitor Series: USMC

FOIA U2 Display

Distribution/Classification

Distribution Code:01 - APPROVED FOR PUBLIC RELEASE

Distribution Statement:Approved for public release; distribution is unlimited.

Report Classification: Unclassified

Collection: Technical Reports

Title: (U) Manpower Requirements Report FY 1994

PDF URL: (pdf) - 8 MB -

https://www.dtic.mil/DTICOnline/downloadPdf.search?collectionId=tr&docId=ADA267828

Accession Number: ADA267828

Corporate Author: DEPARTMENT OF DEFENSE WASHINGTON DC

Report Date: Jun 1993

Abstract: (U) The Secretary of Defense hereby submits to the Congress the Department Manpower Requirements Report (DMRR) for FY 1994 in compliance with Section 115a of Title 10, United States Code (U.S.C.). This report should be read and used along with the Report of the Secretary of Defense to the Congress on the FY 1994 Budget.

Abstract Classification:Unclassified

Pages:199 Page(s)

Report Number: XD - OASD-FMP *(XDOASDFMP)*

Monitor Series: OASD-FMP *(OASDFMP)*

FOIA U2 Display

Distribution/Classification

Distribution Code:01 - APPROVED FOR PUBLIC RELEASE , 23 - AVAILABILITY: DOCUMENT PARTIALLY ILLEGIBLE

Distribution Statement:Approved for public release; distribution is unlimited. Document partially illegible.

Report Classification: Unclassified

Collection: Technical Reports

Title: (U) Proceedings of the Space Surveillance Workshop (11th) Held in Lexington, Massachusetts on 30 March-1 April 1993. Volume 1

PDF URL: (pdf) - 12 MB -

https://www.dtic.mil/DTICOnline/downloadPdf.search?collectionId=tr&docId=ADA265120

Accession Number: ADA265120

Personal Author(s): Miller, R W ; Sridharan, R

Corporate Author: MASSACHUSETTS INST OF TECH LEXINGTON LINCOLN LAB

Report Date: 01 Apr 1993

Abstract: (U) This report of Proceedings of the 1993 Space Surveillance Workshop include the following topics: The Maui Space Surveillance Site Infrared Calibration Sources; Infrared Detection of Geosynchronous Objects at AMOS; LWIR Observations of Geosynchronous Satellites; LAGEOS-2 Launch Support Navigation at JPL; Space Surveillance Network Sensor Contribution Analysis; NMD-GBR: New X- Band Sensors at Sites in CONUS and USAKA for Space Surveillance; Recent Improvements at ALTAIR; Enhancements to the ALCOR Imaging Radar; Fiber Optic Phase Control of the Like Kickapoo NAVSPASUR Transmitter; Coherent Data Recording and Signal Processing Capabilities at Ascension FPQ-15 Radar for Space Surveillance Applications; Forecasting Trans-Ionospheric Effects to Improve Space Surveillance

Abstract Classification:Unclassified

Descriptive Note: Project rept.

Pages:207 Page(s)

Report Number: STK-206-VOL-1 *(STK206VOL1)* , ESC* - TR-93-207 ESC/MA *(ESCTR93207 ESCMA)* , XC - TR-93-207 ESC/MA *(XCTR93207 ESCMA)*

Monitor Series: TR-93-207 *(TR93207)* , ESC/MA *(ESCMA)*

Contract/Grant/Transfer Number: F19628-90-C-0002 *(F1962890C0002)*

FOIA U2 Display

Distribution/Classification

Distribution Code:01 - APPROVED FOR PUBLIC RELEASE

Distribution Statement:Approved for public release; distribution is unlimited.

Report Classification: Unclassified

Collection: Technical Reports

Title: (U) Proceedings of the Space Surveillance Workshop (11th) Held at Lexington, Massachusetts on 30 March-1 April 1993. Volume 2

PDF URL: (pdf) - 6 MB -

https://www.dtic.mil/DTICOnline/downloadPdf.search?collectionId=tr&docId=ADA269477

Accession Number: ADA269477

Personal Author(s): Miller, R W ; Sridharan, R

Corporate Author: MASSACHUSETTS INST OF TECH LEXINGTON LINCOLN LAB

Report Date: 01 Apr 1993

Abstract: (U) The eleventh Annual Space Surveillance Workshop hosted by MIT Lincoln Laboratory was held 30-31 March and 1 April 1993. The purpose of the series of workshops is to provide a forum for the presentation and discussion of space surveillance issues. This Proceedings documents most of the presentations from this workshop. The papers contained were reproduced directly from copies supplied by their authors (with- minor mechanical changes where necessary). It is hoped that this publication will enhance the utility of the workshop

Abstract Classification:Unclassified

Descriptive Note: Project rept.

Pages:128 Page(s)

Report Number: STK-206-VOL-2 *(STK206VOL2)* , ESC* - TR-93-249 ESC* *(ESCTR93249 ESC)* , XC - TR-93-249 ESC* *(XCTR93249 ESC)*

Monitor Series: TR-93-249 *(TR93249)* , ESC* *(ESC)*

Contract/Grant/Transfer Number: F19628-90-C-0002 *(F1962890C0002)*

FOIA U2 Display

Distribution/Classification

Distribution Code:01 - APPROVED FOR PUBLIC RELEASE

Distribution Statement:Approved for public release; distribution is unlimited.

Report Classification: Unclassified

Collection: Technical Reports

Title: (U) Defense Planning and Programming Category (DPPC) Definitions and Program Element Code Assignments

PDF URL: (pdf) - 7 MB -

https://www.dtic.mil/DTICOnline/downloadPdf.search?collectionId=tr&docId=ADA259820

Accession Number: ADA259820

Corporate Author: DEPARTMENT OF DEFENSE WASHINGTON DC

Report Date: Jan 1993

Abstract: (U) (1) Program Element code Assignments.

Abstract Classification:Unclassified

Pages:166 Page(s)

Report Number: XD - ODASD(R/R) *(XDODASDRR)*

Monitor Series: ODASD(R/R) *(ODASDRR)*

FOIA U2 Display

Distribution/Classification

Distribution Code:01 - APPROVED FOR PUBLIC RELEASE

Report Classification: Unclassified

Collection: Technical Reports

Title: (U) NSWC Library of Mathematics Subroutines

PDF URL: (pdf) - 20 MB -

https://www.dtic.mil/DTICOnline/downloadPdf.search?collectionId=tr&docId=ADA261511

Accession Number: ADA261511

Personal Author(s): Morris, Alfred H , Jr

Corporate Author: NAVAL SURFACE WARFARE CENTER DAHLGREN VA

Report Date: Jan 1993

Abstract: (U) The NSWC library is a library of general purpose Fortran subroutines that provide a basic computational capability for a variety of mathematical activities. Emphasis has been placed on the transportability of the codes. Subroutines are available in the following areas: elementary operations, geometry, special functions, polynomials, vectors, matrices, large dense systems of linear equations, banded matrices, sparse matrices, eigenvalues and eigenvectors, l1 solution of linear equations, least-squares solution of linear equations, optimization, transforms, approximation of functions, curve fitting, surface fitting, manifold fitting, numerical integration, integral equations, ordinary differential equations, partial differential equations, and random number generation.

Abstract Classification:Unclassified

Pages:463 Page(s)

Report Number: NSWCDD/TR-92-425 *(NSWCDDTR92425)* , XB - NSWC* *(XBNSWC)*

Monitor Series: NSWC* *(NSWC)*

FOIA U2 Display

Distribution/Classification

Distribution Code:A - UNLIMITED DISTRIBUTION

Secondary Dist:UNLIMITED

Export Control:No

For Pay:No

Copyrighted - No Govt Rights:No

Classification:UNCLASSIFIED

Collection: TEMS

Title: Rdt And E Programs (r-1) Department Of Defense Budget For Fiscal Year 1993

PDF URL:

https://www.dtic.mil/DTICOnline/downloadPdf.search?collectionId=tems&docId=SURVIAC-SV-14207

Accession Number:SURVIAC-SV-14207

IAC Report Name:14207

Monitoring Organization:NA

Performing Organization:OFFICE OF THE COMPTROLLER OF THE DEPARTMENT OF DEFENSE WASHINGTON DC

Date of Publication:01 Jan 1992

Abstract: NA

Category:NA

Pages:78 Page(s)

Site:SURVIAC

DTIC AD Number:ADA247271

Report ID - Monitoring Org.:NA

FOIA U2 Display

Distribution/Classification

Distribution Code:A - UNLIMITED DISTRIBUTION

Secondary Dist:Distribution Statement A: Approved for public release; distribution is unlimited.

Export Control:No

For Pay:No

Copyrighted - No Govt Rights:No

Classification:UNCLASSIFIED

Collection: TEMS

Title: Icbm Abbreviations And Acronyms (second Edition).

PDF URL:

https://www.dtic.mil/DTICOnline/downloadPdf.search?collectionId=tems&docId=CPIAC-1992-1367

Accession Number:CPIAC-1992-1367

IAC Report Name:1992-1367 *19921367*

Date of Publication:01 Jan 1992

Abstract: The second edition of ICBM Abbreviations and Acronyms updates and significantly expands a work originally published in 1987. This edition, like the original, covered the terms most commonly used when working with Strategic Air Command (SAC) missiles. The publication is neither a complete missile dictionary nor is it designed to replace information in Air Force Manuals 11-1 and 11-2. Its purpose was to provide quick and easy access to SAC missile terms for staff personnel and researchers. (Modified Author abstract)

Pages:99 Page(s)

Site:CPIAC

DTIC AD Number:No. Unknown *NoUnknown*

FOIA U2 Display

Distribution/Classification

Distribution Code:A - UNLIMITED DISTRIBUTION

Secondary Dist:Approved for Public Release; Distribution Unlimited. Copyrighted Material. Availability: MIT Press Journals, 55 Hayward Street, Cambridge, MA 02142-9902.

Export Control:No

For Pay:No

Copyrighted - No Govt Rights:Yes

Classification:UNCLASSIFIED

Collection: TEMS

Title: International Security, Volume 16, Number 2, Fall 1991.

PDF URL:

https://www.dtic.mil/DTICOnline/downloadPdf.search?collectionId=tems&docId=CBRNIAC-CB-018336

Accession Number:CBRNIAC-CB-018336

IAC Report Name:CB-018336 *CB018336*

Performing Organization:MIT PRESS CAMBRIDGE MA

Date of Publication:22 Sep 1991

Abstract: (Abstract is unavailable.)

Category:Journal

Pages:194 Page(s)

Site:CBRNIAC

FOIA U2 Display

Distribution/Classification

Distribution Code:01 - APPROVED FOR PUBLIC RELEASE

Report Classification: Unclassified

Collection: Technical Reports

Title: (U) A Computer Solution for Multiple Satellite-Satellite and Satellite- Ground Station Visibility Determination

PDF URL: (pdf) - 4 MB -

https://www.dtic.mil/DTICOnline/downloadPdf.search?collectionId=tr&docId=ADA243490

Accession Number: ADA243490

Personal Author(s): Moore, Jennifer L

Corporate Author: AIR FORCE INST OF TECH WRIGHT-PATTERSONAFB OH

Report Date: 31 Jul 1991

Abstract: (U) The purpose of this study is to examine the problem of determining rise and set times for visibility periods of multiple satellite satellite and satellite ground station communications. Additionally, the ability to maintain constant communication links is explored. This research examines three means to solve the problem: basic iteration, the Lawton Method, and an improved method involving parabolic blending and a closed form root solving technique. the greatest concentration is placed on the final solution and its application. The result of this investigation is a computer program capable of determining rise and set times for as many as four satellites and four ground stations. In addition, the program performs a check for continuous communications between the indicated satellites and earth based resources.

Abstract Classification:Unclassified

Descriptive Note: Master's thesis

Pages:114 Page(s)

Report Number: AFIT/CI/CIA-91-098 *(AFITCICIA91098)* , XC - AFIT *(XC)*

Monitor Series: AFIT

FOIA U2 Display

Distribution/Classification

Distribution Code:01 - APPROVED FOR PUBLIC RELEASE

Distribution Statement:Approved for public release; distribution is unlimited.

Report Classification: Unclassified

Collection: Technical Reports

Title: (U) Department of the Air Force Supporting Data for Fiscal Year 1992/1993 Budget Estimates Submitted to Congress February 1991: Descriptive Summaries, Research, Development, Test and Evaluation

PDF URL: (pdf) - 44 MB -

https://www.dtic.mil/DTICOnline/downloadPdf.search?collectionId=tr&docId=ADA236042

Accession Number: ADA236042

Corporate Author: DEPARTMENT OF THE AIR FORCE WASHINGTON DC

Report Date: Feb 1991

Abstract: (U) This document has been prepared to provide information on the USAF research, Development, Test and Evaluation (RDT&E) Program to congressional committees during the FY 1992/1993 hearings. The Descriptive Summaries provide narrative information on all RDT&E Program Elements and projects. Pages 845-854 are presented in response to the Senate Appropriations Committee requirement contained on page 78 of the Senate Appropriations Committee report (98-292, 1 November 1983). Descriptive Summaries entitled 'Facilities Exhibits' (pages 866- 897) contains information on major improvements to, and construction of, government owned facilities funded by RDT&E. A direct comparison of FY 1990 and FY 1991 data in the Program Element descriptive Summaries dated January 1991, will reveal significant differences.

Abstract Classification:Unclassified

Pages:911 Page(s)

Report Number: XC - USAF *(XC)*

Monitor Series: USAF

FOIA U2 Display

Distribution/Classification

Distribution Code:01 - APPROVED FOR PUBLIC RELEASE , 23 - AVAILABILITY: DOCUMENT PARTIALLY ILLEGIBLE

Distribution Statement:Approved for public release; distribution is unlimited., Availability: Document partially illegible.

Report Classification: Unclassified

Collection: Technical Reports

Title: (U) Worldwide Buoy Technology Survey. Volume 2. Appendix B. Buoy Records. Book 2. Germany - USA

PDF URL: (pdf) - 15 MB -

https://www.dtic.mil/DTICOnline/downloadPdf.search?collectionId=tr&docId=ADA248406

Accession Number: ADA248406

Personal Author(s): Daidola, John C ; Basar, Nedret S ; Reyling, Christopher J ; Johnson, Fontain M ; Walker, Richard T

Corporate Author: ROSENBLATT (M) AND SON INC NEW YORK

Report Date: Feb 1991

Abstract: (U) The objective of Task B, the subject of this report is to conduct surveys of foreign country navigation authorities responsible for buoys and the manufacturers of buoys, both

domestic and foreign, and to develop a computer database of the information collected in this project. The task includes the screening of worldwide engineering and technical information on buoy systems, approaches to problem solving (particularly those that have been identified by the USCG), and development of a computer database for use by the USCG which is both relational and retrievable. The completed program is to be developed on a USCG supplied computer and software, and is then to be installed at the USCG R and D Center and at the USCG Headquarters (G-ECV and G-NSR). For accomplishing the goals of this task, two major efforts were undertaken: (1) Conducting worldwide surveys and (2) Developing a relational and retrievable computer database.

Abstract Classification:Unclassified

Descriptive Note: Final rept.

Pages:655 Page(s)

Report Number: CGR/DC-11/90-VOL-2-BK-2 *(CGRDC1190VOL2BK2)* , USCG-D - 05-92-VOL-2-BK-2 USCG-D *(USCGD0592VOL2BK2 USCGD)* , XJ - 05-92-VOL-2-BK-2 USCG-D *(XJ0592VOL2BK2 USCGD)*

Monitor Series: 05-92-VOL-2-BK-2 *(0592VOL2BK2)* , USCG-D *(USCGD)*

Contract/Grant/Transfer Number: DTCG39-89-C-E27E04 *(DTCG3989CE27E04)*

FOIA U2 Display

Distribution/Classification

Distribution Code:A - UNLIMITED DISTRIBUTION

Secondary Dist:Approved for Public Release; Distribution Unlimited.

Export Control:No

For Pay:No

Copyrighted - No Govt Rights:No

Classification:UNCLASSIFIED

Collection: TEMS

Title: Dredging Operations Technical Support Program. Guidelines For Physical And Biological Monitoring Of Aquatic Dredged Material Disposal Sites.

PDF URL:

https://www.dtic.mil/DTICOnline/downloadPdf.search?collectionId=tems&docId=CBRNIAC-CB-016134

Accession Number:CBRNIAC-CB-016134

IAC Report Name:CB-016134 *CB016134*

Personal Author(s): Fredette, Thomas J.; Nelson, David A.; Clausner, James E.; Anders, Fred J.

Performing Organization:ARMY ENGINEER WATERWAYS EXPERIMENT STATION VICKSBURG MS ENVIRONMENTAL LAB

Date of Publication:01 Sep 1990

Abstract: This report is a preliminary set of guidelines for physical and biological monitoring of aquatic uncontaminated dredged material disposal sites. The need for guidelines on this subject was one of the items indentified at the August 1985 Long-Term Management Strategy Workshop sponsored by the Water Resources Support Center. The resulting guidelines are intended to serve as a working document that can be periodically improved as experience dictates. Emphasis is placed on the establishment of concise objectives and hypotheses, the use of multidisciplinary approaches to developing monitoring programs, and the provision of results that are relevant and useful to site managers. A tiered step-wise procedure to develop a monitoring program is presented, along with a summary of the basic tools and techniques for biological and physical analyses. More detailed information is available in Selected Tools and Techniques for Physical and Biological Monitoring of Aquatic Dredged Material Disposal Sites.

Category:Final Technical Report

Pages:46 Page(s)

Site:CBRNIAC

DTIC AD Number:A227138

Report ID - Performing Org.:WES/TR/D-90-12 *WESTRD9012*

Title: (U) AM Broadcast Emergency Relay (AMBER)

Accession Number: ADA237031

Personal Author(s): Bedrosian, Edward ; Harris, Elwyn D ; Hoffmayer, Karl J ; Lindholm, Carroll R

Corporate Author: RAND CORP SANTA MONICA CA

Report Date: Jul 1990

Abstract: (U) This report presents the results of an investigation of the technical feasibility of establishing a nationwide digital network using commercial AM radio broadcast stations that can support both voice and data transmission. The proposed network, called AMBER (AM broadcast emergency relay), is meant to support emergency communications for civilian and military users when other communication facilities are not available. The authors describe AMBER assets and users; consider key network issues and technical considerations; present preliminary cost estimates; describe the AMBER data link; and discuss a large- scale, nationwide computer simulation that has been developed for AMBER at RAND, including the propagation and noise

models incorporated into this simulation and the methodology, host computer, and components of the AMBER simulation. The report concludes with a study of the connectivity of an illustrative network.

Abstract Classification:Unclassified

Descriptive Note: Final interim rept.

Pages:131 Page(s)

Report Number: RAND-R-3850-DARPA *(RANDR3850DARPA)* , XD - DARPA *(XD)*

Monitor Series: DARPA

Contract/Grant/Transfer Number: MDA903-90-C-0004 *(MDA90390C0004)*

FOIA U2 Display

Distribution/Classification

Distribution Code:01 - APPROVED FOR PUBLIC RELEASE

Distribution Statement:Approved for public release; distribution is unlimited.

Report Classification: Unclassified

Collection: Technical Reports

Title: (U) Analytic War Plans: Adaptive Force-Employment Logic in the RAND Strategy Assessment System (RSAS)

PDF URL: (pdf) - 7 MB -

https://www.dtic.mil/DTICOnline/downloadPdf.search?collectionId=tr&docId=ADA236958

Accession Number: ADA236958

Personal Author(s): Schwabe, William ; Wilson, Barry

Corporate Author: RAND CORP SANTA MONICA CA

Report Date: Jul 1990

Abstract: (U) The RAND Strategy Assessment System (RSAS) simulates future USSR vs. U.S. armed conflict scenarios by playing Red and Blue Agent programs against each other. These Agents are each headed by a National Command Level, which gives guidance to subordinate Military Command Levels. The programs the latter execute are called Analytic War Plans (AWPs), which use conditional logic to adapt the force orders they issue. AWPs are written in the RAND-ABEL language. They have a hierarchy of functions. A phase is composed of several moves and usually lasts for more than a day. Procedures contain force order tables that issue orders to the various force models. Authorization for plans to take many important actions must be specifically granted through the Authorization variable. This Note describes the structure of AWPs and Control Plans in detail, and provides annotated examples of a Control Plan and two AWPs.

Abstract Classification:Unclassified

Descriptive Note: Interim rept.

Pages:227 Page(s)

Report Number: RAND-N-3051-NA *(RANDN3051NA)* , XD - OSD/NA *(XDOSDNA)*

Monitor Series: OSD/NA *(OSDNA)*

Contract/Grant/Transfer Number: MDA903-90-C-0004 *(MDA90390C0004)*

FOIA U2 Display

Distribution/Classification

Distribution Code:01 - APPROVED FOR PUBLIC RELEASE

Distribution Statement:Approved for public release; distribution is unlimited.

Report Classification: Unclassified

Collection: Technical Reports

Title: (U) Department of the Air Force Supporting Data for FY 1991 Budget Estimates Submitted to Congress January 1990. Descriptive Summaries, Research, Development, Test and Evaluation

PDF URL: (pdf) - 38 MB -

https://www.dtic.mil/DTICOnline/downloadPdf.search?collectionId=tr&docId=ADA221506

Accession Number: ADA221506

Corporate Author: DEPARTMENT OF THE AIR FORCE WASHINGTON DC

Report Date: 16 May 1990

Pages:815 Page(s)

FOIA U2 Display

Distribution/Classification

Distribution Code:01 - APPROVED FOR PUBLIC RELEASE

Distribution Statement:Approved for public release; distribution is unlimited.

Report Classification: Unclassified

Collection: Technical Reports

Title: (U) Defense Planning and Programming Categories: A Special Tool for Special Needs. Volume 3. Appendix E. Proposed Expanded DPPC Structure

PDF URL: (pdf) - 11 MB -

https://www.dtic.mil/DTICOnline/downloadPdf.search?collectionId=tr&docId=ADA230860

Accession Number: ADA230860

Personal Author(s): Hutzler, Patricia I

Corporate Author: LOGISTICS MANAGEMENT INST BETHESDA MD

Report Date: Apr 1990

Abstract: (U) Defense Planning and Programming Categories (DPPC) are used by the Department of Defense in selected analyses to array Program Element (PE) organized resource data. This study evaluated the need for revising or replacing DPPC for analyses and reports produced by the Office of the Assistant Secretary of Defense (Force Management and Personnel) (OASDFM&P). The report documents the history of the DPPC structure, its current uses and users, and the perceived strengths and weaknesses of the structure. The DPPC is compared to another major structure used by DoD in arraying PE-organized data - the Defense Mission Categories. Based on our analysis of OASD(FM&P) needs, LMI has recommended that the DPPC not be replaced, since the original need for which the structure was developed - reporting DoD manpower requirements to Congress - continues to exist. The DPPC continues to be the structure most capable of providing the desired information. The structure can be amde more useful by expanding the level of detail tracked by the various categories, making the DpPC more comparable to the DMC, and by instituting certain management procedures.

Abstract Classification:Unclassified

Descriptive Note: Final rept.

Pages:159 Page(s)

Report Number: LMI-FP802R1-VOL-3 *(LMIFP802R1VOL3)* , XD - OASD-FMP *(XDOASDFMP)*

Monitor Series: OASD-FMP *(OASDFMP)*

Contract/Grant/Transfer Number: MDA903-85-C-0139 *(MDA90385C0139)*

Title: (U) United States Air Force Statistical Digest (Abridged), Fiscal Year 1991 Estimate

Accession Number: ADA551815

Corporate Author: OFFICE OF THE DEPUTY ASSISTANT SECRETARY OF THE AIR FORCE (COST AND ECONOMICS) WASHINGTON DC

Report Date: Jan 1990

Abstract: (U) All of us have been and are being affected by the new international environment-changed perceptions of the threat, negotiated reductions in conventional and strategic arms, shrinking defense budgets, and, consequently, a smaller Air Force with fewer resources. We in the Secretariat are no exception. As a result of declining resources, it was imperative that we consolidate our publications. Our new document, the USAF Statistical Digest, is a consolidation

of three previous publications: the USAF Summary, Budget Book, and Budget Book in Brief. Please note that there have been no substantive changes to the information previously provided. The USAF Statistical Digest has been reformatted to enable users to more easily find the information contained therein. Also, the charts and tables are now created using state of the art graphics. They should be more legible and thus, more useful.

Abstract Classification:Unclassified

Pages:289 Page(s)

Report Number: XC - ASAF/CE *(XCASAFCE)*

Monitor Series: ASAF/CE *(ASAFCE)*

FOIA U2 Display

Distribution/Classification

Distribution Code:A - UNLIMITED DISTRIBUTION

Secondary Dist:UNLIMITED

Export Control:No

For Pay:No

Copyrighted - No Govt Rights:No

Classification:UNCLASSIFIED

Collection: TEMS

Title: Jane's C3i Systems 1989-90

PDF URL:

https://www.dtic.mil/DTICOnline/downloadPdf.search?collectionId=tems&docId=SURVIAC-SV-05985

Accession Number:SURVIAC-SV-05985

IAC Report Name:05985

Personal Author(s): RACKHAM,P.;

Monitoring Organization:JANE'S INFORMATION GROUP INC.,1340 BRADDOCK PL.,SUITE 300,PO BOX 1436, ALEXANDRIA,VA.,22313-2036,USA

Performing Organization:JANE'S INFORMATION GROUP,SENTINEL HOUSE,163 BRIGHTON RD.,COULSDON, SURREY CR3 2NX,UNITED KINGDOM

Date of Publication:01 Jul 1989

Abstract: APART FROM A GENERAL AGREEMENT THAT C3I EQUATES TO COMMAND,CONTROL, COMMUNICATIONS AND INTELLIGENCE THERE SEEMS TO BE LITTLE ACCORD AS TO WHAT THIS TERM ACTUALLY MEANS.VERY OFTEN,IT SEEMS,THE DEFINITION OF C3I VARIES ACCORDING TO THE JOB FUNCTION OF THE PERSON DESCRIBING IT.HAVING SAID THAT,THIS EDITOR COULD BE ACCUSED OF BEING TARRED WITH THE SAME BRUSH IN THAT C3I SYSTEMS HERE ARE RATHER LOSSELY DEFINED AS THOSE SYSTEMS ON LAND,AT SEA,IN

THE AIR AND IN SPACE THAT ARE USED IN THE COLLECTION,PROCESSING AND DISTRIBUTION OF INFORMATION.PARTICULAR EMPHASIS HAS BEEN PLACED ON THE SYSTEMS ASPECT OF C3I.THE VOLUME IS COMMAND INFORMATION SYSTEMS, COMMUNICATIONS NETWORKS AND INTELLIGENCE GATHERING SYSTEMS.THERE IS ALSO A LIST OF ACRONYMS AND ABBREVIATIONS,A LIST OF CONTRACTORS'S ADDRESSES AND AN INDEX OF ENTRIES.EACH OF THE MAIN SECTIONS IS DIVIDED INTO ALPHABETICAL SUBSECTIONS BY COUNTRY AND EACH SUBSECTION IS DIVIDED ALPHABETICALLY BY PROJECT OR EQUIPMENT NAME/TYPE OR NUMBER.

Category:NA

Pages:219 Page(s)

Site:SURVIAC

Report ID - Monitoring Org.:NA

FOIA U2 Display

Distribution/Classification

Distribution Code:01 - APPROVED FOR PUBLIC RELEASE

Distribution Statement:Approved for public release; distribution is unlimited.

Report Classification: Unclassified

Collection: Technical Reports

Title: (U) The Utility of De-Escalatory Confidence-Building Measures

PDF URL: (pdf) - 3 MB -

https://www.dtic.mil/DTICOnline/downloadPdf.search?collectionId=tr&docId=ADA228107

Accession Number: ADA228107

Personal Author(s): Nation, Joseph

Corporate Author: RAND CORP SANTA MONICA CA

Report Date: Jun 1989

Abstract: (U) This paper evaluates the utility of specific confidence-building de- escalatory measures and pays special attention to the evaluation of measures which place restrictions on or establish procedures for strategic forces. Some measures appear more promising than others. Potentially useful confidence- building measures largely satisfy defined criteria and include the phased return of strategic nuclear forces to peacetime bases and operations, the termination of interference with communications and NTMs (National Technical Means) and the termination of civil defense preparations. Less-promising CBMs include the standing down of supplemental early warning systems, the establishment of SSBN keep-out zones, and decreases in bomber alert rates. Establishment of SSBN keep- out zones and reduction in bomber rates are difficult to verify, while the standing-down of early warning systems provides little benefit at potentially large costs. Particular confidence-building measures (CBMs) may be most useful in building superpower confidence at specific points in the crisis termination phase. For example, a decrease in strategic bomber alert rates may provide some decrease in perception of the likelihood of war,

but its potential costs, particularly in increasing bomber vulnerability, may limit its utility and implementation to the final crisis stages when the risks of re-escalation and surprise attack are lower. (edc)

Abstract Classification:Unclassified

Pages:72 Page(s)

Report Number: RAND/P-7571 *(RANDP7571)* , XD - RAND *(XD)*

Monitor Series: RAND

FOIA U2 Display

Distribution/Classification

Distribution Code:01 - APPROVED FOR PUBLIC RELEASE

Distribution Statement:Approved for public release; distribution is unlimited.

Report Classification: Unclassified

Collection: Technical Reports

Title: (U) A Bibliography of Selected Publications: Project Air Force, 5th Edition

PDF URL: (pdf) - 11 MB -

https://www.dtic.mil/DTICOnline/downloadPdf.search?collectionId=tr&docId=ADA253539

Accession Number: ADA253539

Corporate Author: RAND CORP SANTA MONICA CA

Report Date: May 1989

Pages:111 Page(s)

Report Number: XC - USAF *(XC)*

Monitor Series: USAF

FOIA U2 Display

Distribution/Classification

Distribution Code:01 - APPROVED FOR PUBLIC RELEASE

Distribution Statement:Approved for public release; distribution is unlimited.

Report Classification: Unclassified

Collection: Technical Reports

Title: (U) Command and Control: An Introduction

PDF URL: (pdf) - 6 MB -

https://www.dtic.mil/DTICOnline/downloadPdf.search?collectionId=tr&docId=ADA208409

Accession Number: ADA208409

Personal Author(s): Bethmann, Ronald C ; Malloy, Karen A

Corporate Author: NAVAL POSTGRADUATE SCHOOL MONTEREY CA

Report Date: Mar 1989

Abstract: (U) The authors present an introduction to command and control (C2) and establish a foundation for understanding the complex nature of C2 and the C2 process. A historical perspective is presented which demonstrates the importance of effective C2 to national, military, and political objectives. The command and control process is described, and the basic characteristics of a C2 system are specified. The command and control structure of the United States military organization is presented. An introduction to the architecture of C2 systems is described, and a conceptual architecture of the C2 process is developed. The authors describe the U.S. strategic nuclear command and control structure and provide a basic description of the tactical warfighting doctrines and C2 structures of the U.S. Armed Forces including the wartime operations of the Coast Guard. The authors conclude with a fundamental approach to the process involving the evaluation of complex command and control systems.

Abstract Classification:Unclassified

Descriptive Note: Master's thesis

Pages:193 Page(s)

Report Number: XB - NPS *(XB)*

Monitor Series: NPS

FOIA U2 Display

Distribution/Classification

Distribution Code:01 - APPROVED FOR PUBLIC RELEASE

Distribution Statement:Approved for public release; distribution is unlimited.

Report Classification: Unclassified

Collection: Technical Reports

Title: (U) U.S. and Soviet Strategic Command and Control: Implications for a Protracted Nuclear War

PDF URL: (pdf) - 6 MB -

https://www.dtic.mil/DTICOnline/downloadPdf.search?collectionId=tr&docId=ADA209074

Accession Number: ADA209074

Personal Author(s): Lippold, Kirk S

Corporate Author: NAVAL POSTGRADUATE SCHOOL MONTEREY CA

Report Date: Mar 1989

Abstract: (U) This thesis will address the relative ability of the command and control systems of the United States and Soviet Union to support a protracted nuclear war. It covers the development and structure of the command and control organizations used to support the respective National Command Authorities. In discussing these organizations, the various systems supporting the command and control apparatus will also be covered. This includes the threat

warning and attack assessment equipment used to determine strategic and tactical warning and the communications equipment used to alert forces of increased readiness and the conduct of nuclear strikes if required. The technical factors associated with the performance of C3 in a nuclear environment will also be covered. The result is a net assessment of the two command and control systems that highlights the strengths and weaknesses inherent in each. Recommendations to help enhance the United States' position regarding this national security issue are also developed. Keywords: Military thesis; Command and control; C2; Command control and communications; C3; Command control communications and Intelligence; C3I; Nuclear war; Nuclear conflict.

Abstract Classification:Unclassified

Descriptive Note: Master's thesis

Pages:163 Page(s)

Report Number: XB - NPS *(XB)*

Monitor Series: NPS

FOIA U2 Display

Distribution/Classification

Distribution Code:01 - APPROVED FOR PUBLIC RELEASE

Distribution Statement:Approved for public release; distribution is unlimited.

Report Classification: Unclassified

Collection: Technical Reports

Title: (U) Master Mobilization Plan

PDF URL: (pdf) - 8 MB -

https://www.dtic.mil/DTICOnline/downloadPdf.search?collectionId=tr&docId=ADA267855

Accession Number: ADA267855

Personal Author(s): Edwards, P

Corporate Author: ASSISTANT SECRETARY OF DEFENSE (FORCE MANAGEMENT AND PERSONNEL) WASHINGTON DC

Report Date: May 1988

Abstract: (U) This publication is the basic Plan that directs and coordinates mobilization planning by all agencies of the Department of Defense. Mobilization is defined as the process whereby a nation makes the transition from a normal state of peacetime preparedness to a war-fighting posture. It involves the assembly, organization and application of the nation's resources for national defense. The mobilization process encompasses all activities necessary to prepare systematically and selectively for war. The Master Mobilization Plan is the first level of mobilization planning. It identifies mobilization responsibilities and describes the related tasks to be performed both in peacetime in preparation for a crisis and at the time of mobilization. The Office of the Secretary of Defense, the Joint Staff, the Military Departments and Defense Agencies will develop their own mobilization plans that are consistent with and support the

responsibilities and tasks in this Plan. These are Level II plans. The Level II plans for OSD staff elements will likely be contingency independent, whereas certain Defense Agencies and the Military Services planning might include some contingency specific considerations.

Abstract Classification:Unclassified

Pages:176 Page(s)

Report Number: DOD-3020.36-P *(DOD302036P)* , XD - OASD *(XD)*

Monitor Series: OASD

FOIA U2 Display

Distribution/Classification

Distribution Code:01 - APPROVED FOR PUBLIC RELEASE

Report Classification: Unclassified

Collection: Technical Reports

Title: (U) Strategic Defense Initiative (SDI) System Architecture and Key Tradeoff Studies, Phase IIC, Congestion control Subsystem Software Algorithm; Appendix E

PDF URL: (pdf) - 3 MB -

https://www.dtic.mil/DTICOnline/downloadPdf.search?collectionId=tr&docId=ADA344580

Accession Number: ADA344580

Personal Author(s): Niznik, C A

Corporate Author: ROCKWELL INTERNATIONAL SEAL BEACH CA SATELLITE AND SPACE ELECTRONICS DIV

Report Date: 22 Mar 1988

Abstract: (U) The fundamental requirement that must be satisfied by the SDI BM/C2 Communication architecture is to provide a transport interface to each of the three principal SDI functions: Surveillance (sensor subsystems), Battle Management (Sensor, Resource and Weapons Battle Management subsystems), and Weapons (launch and interceptor subsystems). This requirement for transparency can be realized through the integration (tight coupling) of two subarchitectures that comprise the overall SDI BM/C2 Communication architecture. Within each node (satellite), a data flow control architecture (DFCA) can be developed from the node's sensor subsystem to its end-users (SBMs) to provide the capability to transmit a very large volume of track file data (these track files do not consist of state vectors) at high throughput rates, in a congestion-free (prevention of deadlock, livelock, and thrashing conditions) manner. The node's DFCA can then be coupled to the inter-node data link network architecture (IDLNA) to form an integrated, disciplined and synchronized communication system with capability of providing a continuous (uninterrupted flow of track file data, at very high speeds, from any sensor subsystem to its corresponding SBMs (SBMs based at the host and stereo-viewing nodes). The DFCA addressed in this report is based upon satisfying the aforementioned requirements and the following mission-performance related conditions: (1) The availability in Real-Time to all end-users (SBMs and RBMs) of target/object track file data; (2) Uninterrupted flow of data from the sensor focal plane to its intended end-users (SBMs and RBMs); (3) A high reliability of

communicating consecutive frame cycle track file data to the appropriate SBMs for stereo-processing; (4) Synchronous and asynchronous parallel, simultaneous, transmission of target/object track file data from each sensor's subsystem to their corresponding end-users (SBMs).

Abstract Classification:Unclassified

Pages:86 Page(s)

Report Number: SSD-88-0044-E *(SSD880044E)* , XD - XD *(XD)*

Monitor Series: XD

Contract/Grant/Transfer Number: MDA903-85-C-0065 *(MDA90385C0065)*

FOIA U2 Display

Distribution/Classification

Distribution Code:01 - APPROVED FOR PUBLIC RELEASE

Distribution Statement:Approved for public release; distribution is unlimited.

Report Classification: Unclassified

Collection: Technical Reports

Title: (U) A Historical Chronology of the Electronic Systems Division 1947-1986

PDF URL: (pdf) - 4 MB -

https://www.dtic.mil/DTICOnline/downloadPdf.search?collectionId=tr&docId=ADA201708

Accession Number: ADA201708

Personal Author(s): Del Papa, E M ; Warner, Mary P

Corporate Author: ELECTRONIC SYSTEMS DIV HANSCOM AFB MA

Report Date: Oct 1987

Abstract: (U) An Historical Chronology of the Electronic Systems Division, its predecessor organizations, its major programs in the field of Command, Control, Communications and Intelligence (C(3)I), its relationship with Air Force System Command and the United States Air Force, and its present and past commanders and authorized and assigned strength. Keywords: Historical Chronology of the Electronic System Division. (RH)

Abstract Classification:Unclassified

Pages:107 Page(s)

Report Number: ESD-TR-88-276 *(ESDTR88276)* , XC - ESD *(XC)*

Monitor Series: ESD

FOIA U2 Display

Distribution/Classification

Distribution Code:A - UNLIMITED DISTRIBUTION

Secondary Dist:Unlimited Distribution

Export Control:No

For Pay:No

Copyrighted - No Govt Rights:No

Classification:UNCLASSIFIED

Collection: TEMS

Title: Logistics & Engineering 101 The Primer For Base Level Logistics & Engineering Officers

PDF URL:

https://www.dtic.mil/DTICOnline/downloadPdf.search?collectionId=tems&docId=RIAC-RIAC-223076-000

Accession Number:RIAC-RIAC-223076-000

IAC Report Name:223076-000 *223076000*

Performing Organization:ACSC/EDCC

Date of Publication:01 Apr 1987

Abstract: The United States Air Force Logistics and Engineering professions: Maintenance, Supply, Transportation, Contracting, Civil Engineering, Services, and Logistics Plans are the backbone of the Air Force's ability to satisfy the support requirements of its critical mission ? providing our nation deterrence against enemy attack. The initial training each officer in these professions receives is narrow in scope and covers only information particular to his or her field of expertise. The overall interrelationships between all of the logistics and engineering professions as veil as the specific knowledge of the officer's career field is essential to give the officer the insight needed to effectively carry out assigned duties. The handbook provides a single source of information on the various career fields but more importantly, the handbook provides insight to the interrelationships between the logistics and engineering professions which ensures Air Force mission accomplishment. A must for new logistics and Engineering professionals to read.

Pages:166 Page(s)

Site:RIAC

FOIA U2 Display

Distribution/Classification

Distribution Code:A - UNLIMITED DISTRIBUTION

Secondary Dist:Approved for Public Release; Distribution Unlimited.

Export Control:No

For Pay:No

Copyrighted - No Govt Rights:No

Classification:UNCLASSIFIED

Collection: TEMS

Title: Nuclear Hardness Simulation And Analysis Of Composite Aircraft Structures. Volume 2. Dust Erosion Assessment.

PDF URL:

https://www.dtic.mil/DTICOnline/downloadPdf.search?collectionId=tems&docId=CBRNIAC-CB-012645

Accession Number:CBRNIAC-CB-012645

IAC Report Name:CB-012645 *CB012645*

Personal Author(s): Adler,W. F.

Performing Organization:GENERAL RESEARCH CORPORATION SANTA BARBARA DIVISION SANTA BARBARA CA

Date of Publication:31 Dec 1985

Abstract: This volume assesses the state of dust erosion data for composite materials. A survey of the solid particle erosion literature revealed that some experimental data is available for polymeric materials and fiber-reinforced, non-metallic composites. Although not directly applicable to the specific compositions currently of interest, the available data is used to provide initial insights into the magnitude of the erosion problems which may exist for advanced composite materials on aircraft flying through nuclear-generated dust. Using published erosion data, the possibility exists for a significant amount of material removal to occur. Additional investigations are suggested to provide a more relevant estimate of the magnitude of the dust erosion problem. The report also discusses available test facilities and their capabilities and presents an extensive bibliography of relevant literature. Keywords: Nuclear explosions; Rain erosion; Erosion modeling; Mass loss.

Category:Technical Report

Pages:84 Page(s)

Site:CBRNIAC

Contract / Grant ID:DNA-TR-86-132-V2; DNA 001-82-C-0245 *DNATR86132V2DNA00182C0245*

DTIC AD Number:A174893

Report ID - Performing Org.:CR-85-1408 *CR851408*

FOIA U2 Display

Distribution/Classification

Distribution Code:A - UNLIMITED DISTRIBUTION

Secondary Dist:Approved for public release - unlimited Distribution

Export Control:No

For Pay:No

Copyrighted - No Govt Rights:No

Classification:UNCLASSIFIED

Collection: TEMS

Title: Fast Reactor Safety: Proceedings Of The International Topical Meeting. Volume 2. [r]

PDF URL:

https://www.dtic.mil/DTICOnline/downloadPdf.search?collectionId=tems&docId=AMMTIAC-AM050688

Accession Number:AMMTIAC-AM050688

IAC Report Name:AM050688

Performing Organization:Oak Ridge National Lab., TN (USA)

Date of Publication:01 Jul 1985

Abstract: The emphasis of this meeting was on the safety-related aspects of fast reactor design, analysis, licensing, construction, and operation. Relative to past meetings, there was less emphasis on the scientific and technological basis for accident assessment. Because of its broad scope, the meeting attracted 217 attendees from a wide cross section of the design, safety analysis, and safety technology communities. Eight countries and two international organizations were represented. A total of 126 papers were presented, with contributions from the United States, France, Japan, the United Kingdom, Germany, and Italy. Sessions covered in Volume 2 include: safety design concepts; operational transient experiments; analysis of seismic and external events; HCDA-related codes, analysis, and experiments; sodium fires; instrumentation and control/PPS design; whole-core accident analysis codes; and impact of safety design considerations on future LMFBR developments.

Pages:489 Page(s)

Site:AMMTIAC

Contract / Grant ID:AC05-84OR21400 *AC0584OR21400*

Report ID - Performing Org.:CONF-850410-Vol.2 *CONF850410Vol2*

FOIA U2 Display

Distribution/Classification

Distribution Code:01 - APPROVED FOR PUBLIC RELEASE

Report Classification: Unclassified

Collection: Technical Reports

Title: (U) Retrofit of SAC EC-135C and RC-135 Aircraft with CFM-56 Engines

PDF URL: (pdf) - 2 MB -

https://www.dtic.mil/DTICOnline/downloadPdf.search?collectionId=tr&docId=ADA156688

Accession Number: ADA156688

Personal Author(s): Stooke, Willard N , Jr

Corporate Author: AIR COMMAND AND STAFF COLL MAXWELL AFB AL

Report Date: Apr 1985

Abstract: (U) This report is an analysis of the advantages and disadvantages of retrofitting SAC's EC-135C and RC-135 fleet with the CFM-56 engine package being used to convert the KC-135As to KC-135Rs. It reviews selected components of the modification package and compares the performance capabilities of current and modified aircraft during takeoff, cruise, receiver aerial refueling, and landing. The projected fuel savings on the investment dollar are calculated in Af Regulation 173-13, USAF Cost and Planning Factors, and could pay for the retrofit of the 31 aircraft in 18 years. Finally, the advantage of logistics commonality among all three aircraft is assessed.

Abstract Classification:Unclassified

Descriptive Note: Student rept.

Pages:43 Page(s)

Report Number: ACSC-85-2630 *(ACSC852630)* , XC - ACSC *(XC)*

Monitor Series: ACSC

FOIA U2 Display

Distribution/Classification

Distribution Code:01 - APPROVED FOR PUBLIC RELEASE

Distribution Statement:Approved for public release; distribution is unlimited.

Report Classification: Unclassified

Collection: Technical Reports

Title: (U) Air Force Combat Wings: Lineage and Honors Histories, 1947-1977

PDF URL: (pdf) - 52 MB -

https://www.dtic.mil/DTICOnline/downloadPdf.search?collectionId=tr&docId=ADA154181

Accession Number: ADA154181

Personal Author(s): Ravenstein, Charles A

Corporate Author: DEPARTMENT OF THE ARMY WASHINGTON DC

Report Date: 01 Jun 1984

Abstract: (U) Permanent organizations of the Air Force, whether active or inactive, are Air Force-controlled (AFCON) organizations with a continuing lineage and history. Although some AFCON organizations are named, most are numbered AFCON organizations, when activated a second or subsequent time, regain their previous lineage, history, honors, and emblem. Temporary organizations, on the other hand, are major-command-controlled (MAJCON) organizations without a continuing lineage or history. This volume deals with one category and echelon of AFCON organization-the 'combat' (category) 'wing' (echelon). A combat wing is one that has, or previously has had, a specific functional designation and mission in combat: bombardment, fighter, strategic and tactical reconnaissance (all types), airlift, air refueling, or missile.

Abstract Classification:Unclassified

Descriptive Note: Reference series

Pages:360 Page(s)

Report Number: XC - USAF *(XC)*

Monitor Series: USAF

FOIA U2 Display

Distribution/Classification

Distribution Code:A - UNLIMITED DISTRIBUTION

Secondary Dist:Unlimited Distribution

Export Control:No

For Pay:No

Copyrighted - No Govt Rights:No

Classification:Unclassified

Collection: TEMS

Title: An/apn-128 Lightweight Doppler Navigation System Case Study Report (ida/osd R&m Study)

PDF URL:

https://www.dtic.mil/DTICOnline/downloadPdf.search?collectionId=tems&docId=RIAC-RIAC-228019-000

Accession Number:RIAC-RIAC-228019-000

IAC Report Name:228019-000 *228019000*

Monitoring Organization:Office of the Assistant Secretary of Defense

Performing Organization:Institute for Defense Analyses

Date of Publication:01 Aug 1983

Abstract: This document records the activities and presents the findings of the AN/APN-128 Lightweight Doppler Navigation System (LDNS) Case Study Working Group, part of the IDA/OSD Reliability and Maintainability Study conducted during the period from July 1982 through Aiigust 1983.

Pages:168 Page(s)

Site:RIAC

FOIA U2 Display

Distribution/Classification

Distribution Code:A - UNLIMITED DISTRIBUTION

Secondary Dist:Approved for public release - unlimited Distribution

Title: Hot Corrosion In Gas Turbines (memorandum Report)

Accession Number:AMMTIAC-B121794

IAC Report Name:B121794

Personal Author(s): JONES, R.L.;

Monitoring Organization:Naval Sea Systems Command

Performing Organization:Naval Research Laboratory

Date of Publication:27 Apr 1983

Abstract: A REVIEW IS PRESENTED WHICH GIVES A BRIEF, LARGELY CHRONOLOGICAL OVERVIEW OF THE DEVELOPMENT OF THE DIFFERENT THEORIES OF HOT CORROSION. THIS REVIEW WAS THE KEYNOTE LECTURE FOR THE GAS TURBINE SESSION OF THE SYMPOSIUM ON CORROSION IN FOSSIL FUEL SYSTEMS, ELECTROCHEMICAL SOCIETY MEETING, DETROIT, MI, OCTOBER 1982. (AUTHOR)

Pages:26 Page(s)

Site:AMMTIAC

DTIC AD Number:AD-A127 425 *ADA127425*

Report ID - Performing Org.:NRL-MR-5070 *NRLMR5070*

Report ID - Monitoring Org.:61-0024-0-3 *61002403*

Title: Usaf (united States Air Force) Avionics Master Plan

PDF URL:

https://www.dtic.mil/DTICOnline/downloadPdf.search?collectionId=tems&docId=WSTIAC-GC830102

Accession Number:WSTIAC-GC830102

IAC Report Name:GC830102

Performing Organization:DEPT OF THE AIR FORCE WASHINGTON DC

Date of Publication:01 Dec 1982

Abstract: This is the fourth annual USAF Avionics Master Plan (AMP). It is prepared by the Deputy for Avionics Control as directed in AFR 800-28, Air Force Policy on Avionics Acquisition and Support. The purpose of the plan is to serve as a guide to the avionics community, to focus resources and energies on common goals, and promulgate strategies to move toward the resolution of common problems. Strong emphasis continues in the avionics program areas of tactical and strategic C3, electronic combat and target acquisition/recognition from the standpoint of improved near/mid term capability. Programs supporting these areas are proceeding essentially as previously planned, with the exception of tactical C3. Significant changes are being planned in the approach to achieving jam resistant communications. The alternative architecture to be selected (scheduled for review and approval in the near future) could impact the JTIDS and Marx XV IFF programs as well as SEEK TALK.

Pages:283 Page(s)

Site:WSTIAC

DTIC AD Number:ADA125819

FOIA U2 Display

Distribution/Classification

Distribution Code:A - UNLIMITED DISTRIBUTION

Secondary Dist:Approved for Public Release; Distribution Unlimited.

Export Control:No

For Pay:No

Copyrighted - No Govt Rights:No

Classification:UNCLASSIFIED

Collection: TEMS

Title: Air Force Technical Objective Document. Aerospace Medical Division. Fiscal Year 1984.

PDF URL:

https://www.dtic.mil/DTICOnline/downloadPdf.search?collectionId=tems&docId=CBRNIAC-CB-014199

Accession Number:CBRNIAC-CB-014199

IAC Report Name:CB-014199 *CB014199*

Personal Author(s): Beatty, David C.; Shingler, Larry H.

Performing Organization:AEROSPACE MEDICAL DIV BROOKS AFB TX

Date of Publication:01 Dec 1982

Abstract: This TOD describes the planning methodology used within AMD laboratories' eight technology areas to achieve our technical goals. Specifically, efforts are directed in the biotechnology program to man's adaptability, survivability, and performance capabilities within his operational environment. This research and development of AMD's functions is accomplished as disciplinary work by teams of biomedical scientists, engineers and physical scientists within the air force laboratories and the industrial and academic research and development communities.

Category:Final Report

Pages:39 Page(s)

Site:CBRNIAC

Report ID - Performing Org.:AMD-TR-82-1 *AMDTR821*

FOIA U2 Display

Distribution/Classification

Distribution Code:01 - APPROVED FOR PUBLIC RELEASE

Distribution Statement:Approved for public release; distribution is unlimited.

Report Classification: Unclassified

Collection: Technical Reports

Title: (U) Dynamic Retargeting for U.S. Strategic Forces. Sanitized

PDF URL: (pdf) - 2 MB -

https://www.dtic.mil/DTICOnline/downloadPdf.search?collectionId=tr&docId=ADA222191

Accession Number: ADA222191

Personal Author(s): Jackson, Victor G

Corporate Author: RAND CORP SANTA MONICA CA

Report Date: 01 Apr 1982

Abstract: (U) This research originated in a concern that U.S. strategic forces might not have the capability to be pretargeted for all of a large and growing number of possible force employment options, thereby requiring dynamic or time- urgent retargeting immediately before launch. The purpose of this study was twofold: to assess this concern by comparing retargeting capabilities and requirements, and to identify possible improvements where appropriate. The study: reviews and describes current strategic force targeting and retargeting capabilities and procedures; introduces a broadened view of both the range of situations where retargeting might be required and the range of activities involved in the retargeting process; analyzes the retargeting

implications of several possible operational contexts; identifies some specific problems; suggests possible solutions to those problems; and suggests priorities for implementing them. (kr)

Abstract Classification:Unclassified

Descriptive Note: Topical rept. 15 Oct 1978-1 Apr 1982,

Pages:78 Page(s)

Report Number: DNA - 6147T-SAN DNA *(DNA6147TSAN)* , XD - 6147T-SAN DNA *(XD6147TSAN)*

Monitor Series: 6147T-SAN *(6147TSAN)* , DNA

Contract/Grant/Transfer Number: DNA001-79-C-0034 *(DNA00179C0034)*

FOIA U2 Display

Distribution/Classification

Distribution Code:01 - APPROVED FOR PUBLIC RELEASE

Distribution Statement:Approved for public release; distribution is unlimited.

Report Classification: Unclassified

Collection: Technical Reports

Title: (U) Strategic Command, Control, and Communications: Alternative Approaches for Modernization

PDF URL: (pdf) - 4 MB -

https://www.dtic.mil/DTICOnline/downloadPdf.search?collectionId=tr&docId=ADA474570

Accession Number: ADA474570

Personal Author(s): Hamre, John J ; Davison, Richard H ; Tarpgaard, Peter T

Corporate Author: CONGRESSIONAL BUDGET OFFICE (U S CONGRESS) WASHINGTON DC

Report Date: Oct 1981

Abstract: (U) Over the past two decades, the United States has fielded an extensive collection of facilities and systems designed to direct and control strategic nuclear forces before and during a nuclear war. This strategic command, control, and communications system, referred to as C3, consists of ground-based radars and early-warning satellites; land-based and airborne command centers; and elaborate communications networks. The role of C3 is to alert authorities to a possible attack, permit assessment of the attack's size and targets, and convey the President's orders for retaliation. Despite the importance of these C3 systems, the recent public debate over the adequacy of U.S. nuclear forces has largely overlooked the C3 system, emphasizing instead the need to update the bombers, submarines, and land-based missiles that would deliver strategic weapons. Far less attention has been given to the C3 system, though it has been termed the weakest link in the nation's present strategic forces. The need to make major investments in C3 modernization is considered in some quarters to be an urgent one. Investment in C3 systems in recent years has largely sought to correct deficiencies in current operations and improve performance of existing assets. To that end, the Defense Department is providing survivable

ground stations for early-warning satellites, and improving selected command-post aircraft. Compared to the expenditures projected for the offensive strategic forces over the coming 5 years, the costs of modernizing the C3 system are modest. Spending for the nuclear forces could exceed $130 billion by the end of fiscal year 1986; the three alternative approaches to C3 modernization would range in cost from $8.9 billion to $9.8 billion. The options are as follows: Option I - Improve System Responsiveness in the Trans-Attack Period, Option II - Improve System Endurance in the Post-Attack Period, and Option III - Improve Both System Responsiveness and Endurance.

Abstract Classification:Unclassified

Descriptive Note: Congressional rept.

Pages:60 Page(s)

Report Number: XJ - CBO *(XJ)*

Monitor Series: CBO

FOIA U2 Display

Distribution/Classification

Distribution Code:01 - APPROVED FOR PUBLIC RELEASE

Report Classification: Unclassified

Collection: Technical Reports

Title: (U) An Examination of the RDA Briefing Late-Time Nuclear Dust-Cloud Environments. An Emerging Issue for Air-Breathing Vehicles.

PDF URL: (pdf) - 1 MB -

https://www.dtic.mil/DTICOnline/downloadPdf.search?collectionId=tr&docId=ADA366243

Accession Number: ADA366243

Corporate Author: DEPARTMENT OF THE AIR FORCE WASHINGTON DC

Report Date: 20 Nov 1980

Abstract: (U) The issue of nuclear dust being a threat to strategic aircraft has been raised by RDA. Their briefing (attachment 4) supports this by drawing an analogy to the recent Mt. St. Helens eruptions and resulting aircraft incidents. This paper deals with the RDA's primary concern, engine damage tolerance. Though preliminary, it gives a feel for how the key ingredients of particle size, density and engine debris ingestion interact. Review of the Mt. St. Helens aircraft incidents revealed only one serious engine ingestion problem, that of a L-1OO turboprop (C-i 30 variant) which encountered heavy volcanic dust concentrations after the first eruption. Engine debris ingestion, of any type, requires a definition of debris size and density vs time. Once defined, those values can be compared against the aircraft engine's specification for ingestion tolerance. All of the current strategic aircraft engines analyzed were found capable of withstanding the RDA predicted levels of nuclear dust size and density (assuming the aircraft avoided all nuclear debris for at least 15 minutes after detonation). The AGM-86B ALCM engine during actual sand ingestion testing, was able to pass specification levels after ingesting twice the specified sand density levels.

Abstract Classification:Unclassified

Pages:36 Page(s)

Report Number: XC - USAF *(XC)*

Monitor Series: USAF

FOIA U2 Display

Distribution/Classification

Distribution Code:01 - APPROVED FOR PUBLIC RELEASE

Distribution Statement:Approved for public release; distribution is unlimited.

Report Classification: Unclassified

Collection: Technical Reports

Title: (U) Proceedings of an AAAS Symposium on January 8, 1980: How Much does the Defense Department Advance Science?

PDF URL: (pdf) - 3 MB -

https://www.dtic.mil/DTICOnline/downloadPdf.search?collectionId=tr&docId=ADA092607

Accession Number: ADA092607

Personal Author(s): Gamato, George ; Berman, Alan ; Salkovitz, Edward ; Teller, Edward ; Wald, George ; Triantos, David

Corporate Author: NAVAL RESEARCH LAB WASHINGTON DC

Report Date: 24 Sep 1980

Descriptive Note: Final rept.

Pages:37 Page(s)

Report Number: NRL-8426 *(NRL8426)* , XB - ONR *(XB)*

Monitor Series: ONR

FOIA U2 Display

Distribution/Classification

Distribution Code:01 - APPROVED FOR PUBLIC RELEASE

Distribution Statement:Approved for public release; distribution is unlimited.

Report Classification: Unclassified

Collection: Technical Reports

Title: (U) A Framework for the Comparison of Four Military Strategic Simulation Models

PDF URL: (pdf) - 8 MB -

https://www.dtic.mil/DTICOnline/downloadPdf.search?collectionId=tr&docId=ADA065689

Accession Number: ADA065689

Personal Author(s): Denesia, Thomas E

Corporate Author: AIR FORCE INST OF TECH WRIGHT-PATTERSON AFB OH SCHOOL OF ENGINEERING

Report Date: Dec 1978

Abstract: (U) This study goes beyond the comparison of four strategic simulation models and attempts to develop a generic framework within which any strategic simulation model can be compared. The framework itself evolved with several iterations of changes. The first set of characteristics for the framework was developed with the help of an expert in the simulation community. This list was then added to or deleted from as various discussions and interviews proceeded with the operators and users of the four models specifically addressed in this study. Following this, a review of the overall philosophy of the framework was made, and a final form of the generic framework was established. After the framework had taken its final form, a comparison of the four strategic simulation models was made. Thus, within this standard basis for comparison (the generic framework), one can more easily see what specific characteristics a model possesses and what specific characteristics it does not.

Abstract Classification:Unclassified

Descriptive Note: Master's thesis

Pages:164 Page(s)

Report Number: AFIT/GOR/SM/78D-5 *(AFITGORSM78D5)* , XC - AFIT *(XC)*

Monitor Series: AFIT

FOIA U2 Display

Distribution/Classification

Distribution Code:01 - APPROVED FOR PUBLIC RELEASE

Report Classification: Unclassified

Collection: Technical Reports

Title: (U) Translations on USSR Military Affairs, Number 1288.

PDF URL: (pdf) - 4 MB -

https://www.dtic.mil/DTICOnline/downloadPdf.search?collectionId=tr&docId=ADA376314

Accession Number: ADA376314

Corporate Author: JOINT PUBLICATIONS RESEARCH SERVICE ARLINGTON VA

Report Date: 27 Jul 1977

Abstract: (U) The report contains information on the Soviet military and civil defense establishments, leadership, doctrine, policy, planning, political affairs, organization, and equipment.

Abstract Classification:Unclassified

Pages:59 Page(s)

Report Number: JPRS-69500 *(JPRS69500)* , XJ - XD *(XJ)*

Monitor Series: XD

FOIA U2 Display

Distribution/Classification

Distribution Code:01 - APPROVED FOR PUBLIC RELEASE , 23 - AVAILABILITY: DOCUMENT PARTIALLY ILLEGIBLE

Distribution Statement:Approved for public release; distribution is unlimited. Document partially illegible.

Report Classification: Unclassified

Collection: Technical Reports

Title: (U) Program of Research, Development, Test and Evaluation, FY 1978

PDF URL: (pdf) - 13 MB -

https://www.dtic.mil/DTICOnline/downloadPdf.search?collectionId=tr&docId=ADA035216

Accession Number: ADA035216

Personal Author(s): Currie, Malcolm R

Corporate Author: DEPARTMENT OF DEFENSE WASHINGTON DC

Report Date: 18 Jan 1977

Abstract: (U) In addition to the Overview Statement (contained in AD-A035 172), this report includes sections on the following subjects: Trends in the R/D balance; Strategic Programs; Tactical Warfare Programs; Theater Nuclear Forces; Command, Control and Communications; The Technology Base; International Research and Development Cooperation; Management of Defense Systems Acquisition; and Test and Evaluation.

Abstract Classification:Unclassified

Pages:363 Page(s)

Report Number: XD - DOD *(XD)*

Monitor Series: DOD

FOIA U2 Display

Distribution/Classification

Distribution Code:01 - APPROVED FOR PUBLIC RELEASE , 23 - AVAILABILITY: DOCUMENT PARTIALLY ILLEGIBLE

Distribution Statement:Availability: Document partially illegible.

Report Classification: Unclassified

Collection: Technical Reports

Title: (U) Department of Defense Procurement Coding Manual. Volume 1. Commodities and Services Reported on DD Form 350, Revised as of October 1976,

PDF URL: (pdf) - 3 MB -

https://www.dtic.mil/DTICOnline/downloadPdf.search?collectionId=tr&docId=ADA301523

Accession Number: ADA301523

Corporate Author: WASHINGTON HEADQUARTERS SERVICES (DOD) DC DIRECTORATE FOR INFORMATION OPERATI ONS AND REPORTS

Report Date: Oct 1976

Pages:84 Page(s)

Report Number: DIOR/MN02-76 *(DIORMN0276)* , MN02 *(MN02)* , DOD - 4105.61M XD *(DOD410561M)* , XD - 4105.61M XD *(XD410561M)*

Monitor Series: 4105.61M *(410561M)* , XD

FOIA U2 Display

Distribution/Classification

Distribution Code:01 - APPROVED FOR PUBLIC RELEASE

Distribution Statement:Approved for public release; distribution is unlimited.

Report Classification: Unclassified

Collection: Technical Reports

Title: (U) The Development of Strategic Air Command, 1946-1976

PDF URL: (pdf) - 16 MB -

https://www.dtic.mil/DTICOnline/downloadPdf.search?collectionId=tr&docId=ADA060394

Accession Number: ADA060394

Personal Author(s): Hopkins, J C

Corporate Author: STRATEGIC AIR COMMAND OFFUTT AFB NE

Report Date: 21 Mar 1976

Abstract: (U) This Bicentennial Year of 1976 also marks the 30th Anniversary of the Strategic Air Command. The development of Strategic Air Command, 1946 - 1976 provides a brief chronological account of the Command's contributions to the Nation's defense during this thirty-year period. For ease of reference, the same general format is used for each year: Assigned Resources, Command Leadership, Organization, and Operations. Three additional categories are included for selected periods of time: Bombing Competition, since 1949; Missile Competition, since 1967; and Budget and Financial Status, since 1958. For security reasons, no statistics have been included for those types of reconnaissance aircraft currently assigned.

Abstract Classification:Unclassified

Pages:189 Page(s)

Report Number: XC - SAC *(XC)*

Monitor Series: SAC

FOIA U2 Display

Distribution/Classification

Distribution Code:01 - APPROVED FOR PUBLIC RELEASE , 23 - AVAILABILITY: DOCUMENT PARTIALLY ILLEGIBLE

Distribution Statement:Approved for public release; distribution is unlimited. Document partially illegible.

Report Classification: Unclassified

Collection: Technical Reports

Title: (U) Development of Strategic Air Command, 1946 - 1976

PDF URL: (pdf) - 13 MB -

https://www.dtic.mil/DTICOnline/downloadPdf.search?collectionId=tr&docId=ADA059652

Accession Number: ADA059652

Personal Author(s): Hopkins, J C

Corporate Author: STRATEGIC AIR COMMAND OFFUTT AFB NE

Report Date: Mar 1976

Abstract: (U) The Development of Strategic Air Command, 1946 - 1976, provides a brief chronological account of the command's contributions to the Nation's defense during this thirty year period. For ease of reference, the same general format is used for each year: Assigned Resources, Command Leadership, Organization, and Operations. Three additional categories are included for selected periods of time: Bombing Competition, since 1949; Missile Competition, since 1967; and Budget and Financial Status, since 1958. For security reasons, no statistics have been included for those types of reconnaissance aircraft currently assigned.

Abstract Classification:Unclassified

Pages:190 Page(s)

Report Number: XC - SAC *(XC)*

Monitor Series: SAC

FOIA U2 Display

Distribution/Classification

Distribution Code:01 - APPROVED FOR PUBLIC RELEASE

Report Classification: Unclassified

Collection: Technical Reports

Title: (U) Procurement Coding Manual. Volume 1. Commodities and Services Reported on DD Form 350. Revision.

PDF URL: (pdf) - 3 MB -

https://www.dtic.mil/DTICOnline/downloadPdf.search?collectionId=tr&docId=ADA301416

Accession Number: ADA301416

Corporate Author: WASHINGTON HEADQUARTERS SERVICES (DOD) DC DIRECTORATE FOR INFORMATION OPERATI ONS AND REPORTS

Report Date: Jul 1975

Abstract: (U) This Manual has been developed for use by Army, Navy, Air Force, Defense Supp1y Agency and other Department of Defense personnel, who are responsible for preparing, coding, editing, or machine processing the Individual Procurement Action Report, DD Form 350, prescribed by Section XXT of the Armed Services Procurement Regulation.

Abstract Classification:Unclassified

Pages:80 Page(s)

Report Number: DIOR/MN02-75 *(DIORMN0275)* , DOD-4105.61M *(DOD410561M)* , XD - DIOR *(XD)*

Monitor Series: DIOR

FOIA U2 Display

Distribution/Classification

Distribution Code:01 - APPROVED FOR PUBLIC RELEASE

Report Classification: Unclassified

Collection: Technical Reports

Title: (U) The Evolution of U.S. Strategic Command and Control and Warning, 1945-1972,

PDF URL: (pdf) - 23 MB -

https://www.dtic.mil/DTICOnline/downloadPdf.search?collectionId=tr&docId=ADA331702

Accession Number: ADA331702

Personal Author(s): Wainstein, L ; Cremeans, C D ; Moriarty, J K ; Ponturo, J

Corporate Author: INSTITUTE FOR DEFENSE ANALYSES ALEXANDRIA VA

Report Date: Jun 1975

Abstract: (U) In the summer of l974, the Secretary of Defense requested that a study be undertaken of the strategic arms competition between the United States and the Soviet Union from l945 to 1972. The purpose of the study was twofold: (a) to provide a comprehensive historical account, hitherto unavailable, of the strategic competition and (b) to provide the basis for examining various hypotheses as to its origins and development. This extensive research effort, under the direction of the Chief Historian, OSD, was divided into eight discrete studies, each covering both US and Soviet developments, and was assigned to a number of agencies. The subject matter of these studies included: missiles, bombers, space, and warheads; air defense; aircraft carriers and ballistic missile submarines; forces and budgets; US and Soviet chronologies, high-level decisions, organization; and command and control and warning. The eight studies are intended to provide the basic research and analysis from which another study team will prepare an integrated report of US and Soviet developments for the Secretary of Defense.

Abstract Classification:Unclassified

Pages:480 Page(s)

Report Number: IDA-S-467 *(IDAS467)* , XT - DARPA *(XT)*

Monitor Series: DARPA

FOIA U2 Display

Distribution/Classification

Distribution Code:A - UNLIMITED DISTRIBUTION

Secondary Dist:Approved for public release - unlimited Distribution

Export Control:No

For Pay:No

Copyrighted - No Govt Rights:No

Classification:UNCLASSIFIED

Collection: TEMS

Title: Nondestructive Testing Of Diffusion Bonded Titanium Alloys For Engine And Airframe Components

PDF URL:

https://www.dtic.mil/DTICOnline/downloadPdf.search?collectionId=tems&docId=AMMTIAC-B094659

Accession Number:AMMTIAC-B094659

IAC Report Name:B094659

Personal Author(s): REGALBUTO, JOHN A.; GORDON, D.E.; MCCAULEY,B.O.

Monitoring Organization:Air Force Materials Laboratory, Air Force Systems Command, Wright-Patterson AFB

Performing Organization:General Dynamics Corporation

Date of Publication:01 May 1975

Abstract: THE DEVELOPMENT AND EVALUATION OF ULTRASONIC INSTRUMENTATION FOR THE NONDESTRUCTIVE TESTING OF DIFFUSION BONDED TITANIUM ALLOY COMPONENTS IS DESCRIBED. RESULTS OF A SURVEY TO DEFINE POTENTIAL DIFFUSION BONDING DEFICIENCIES ARE GIVEN. A SIGNAL-AVERAGING PULSE-ECHO SYSTEM DEVELOPED TO INCREASE DEFECT SIGNAL-TO-GRAIN NOISE RATIO IS DESCRIBED. THE AFML COMPUTER-AUTOMATED ULTRASONIC INSPECTION SYSTEM WAS USED TO EVALUATE DISPLACED AND ANGULARIZED BOND PLANES. DIFFUSION BONDED INTERNAL DEFECT SPECIMENS WERE EVALUATED BY BLUE-ETCH-ANODIZE, FLUORESCENT PENETRANT, SIGNAL-AVERAGED PULSE-ECHO, AND DELTA-SCAN TECHNIQUES. ULTRASONIC ATTENUATION MEASUREMENTS VERSUS GRAIN SIZE ARE REPORTED. STATIC TENSILE AND AXIAL FATIGUE DATA ARE REPORTED AND CORRELATED WITH NONDESTRUCTIVE EVALUATION AND FRACTOGRAPHIC

RESULTS. ACOUSTIC EMISSION BEHAVIOR OF PARENT MATERIAL SPECIMENS IS COMPARED WITH THAT OF INTERNAL DEFECT SPECIMENS. TERMS: M--(U)MPDC, TI-6AL-4V, WELDS, SHEET, THICK NT-013276 MCIC--HARD COPY NTIAC-MICROFICHE SECTIONS, NONDESTRUCTIVE TESTING, DIFFUSION WELDING, ACOUSTIC EMISSION TECHNIQUE, ULTRASONIC TESTING, PULSE ECHO TESTING, LIQUID PENETRANT INSPECTION, STRESS CORROSION, DEFECTS, VOIDS, FRACTOGRAPHY, FRACTURE TOUGHNESS, FATIGUE PROPERTIES, MICROHARDNESS, GRAIN SIZE, TITANIUM ALLOYS.; N--(U)ULTRASONIC TESTING, TITANIUM, DIFFUSION BONDING, PULSE ECHO TECHNIQUE, DEFECTS(MATERIALS), COMPUTERS, SIGNAL-TO-NOISE RATIO, AU

Pages:390 Page(s)

Site:AMMTIAC

Contract / Grant ID:F33615-72-C-1705 *F3361572C1705*

DTIC AD Number:ADA014361

Report ID - Monitoring Org.:AFML-TR-74-215 *AFMLTR74215*

Title: (U) FY 1975 Defense Budget and FY 1975-1979 Defense Program

Accession Number: ADA082709

Corporate Author: DEPARTMENT OF DEFENSE WASHINGTON DC

Report Date: Jan 1975

Abstract: (U) Contents: The International Situation and the Defense Establishment, The Proposed Defense Budget, Strategic Forces--The basis for the strategic forces, Significant developments in the strategic threat, and U.S. strategic forces and programs; General Purpose Forces--The need for general purpose forces, Land forces, Naval forces, Tactical air forces, and Mobility forces; Manpower for Defense--The volunteer force, Manpower utilization and requirements, Personnel policies, and Special problems; and Management--Force aging and modernization, The weapons acquisition process, Support structure, and Energy management and conservation.

Abstract Classification:Unclassified

Descriptive Note: Annual rept.

Pages:243 Page(s)

Report Number: XD - DOD *(XD)*

Monitor Series: DOD

FOIA U2 Display

Distribution/Classification

Distribution Code:01 - APPROVED FOR PUBLIC RELEASE

Report Classification: Unclassified

Collection: Technical Reports

Title: (U) Heavy Lift Helicopter - Cargo Handling ATC Program. Volume II. Fabrication of Test Hardware and Fixtures (Integrated Test Rig)

PDF URL: (pdf) - 5 MB -

https://www.dtic.mil/DTICOnline/downloadPdf.search?collectionId=tr&docId=ADA007244

Accession Number: ADA007244

Personal Author(s): Shefrin, Joseph ; Hill, Wendell F

Corporate Author: BOEING VERTOL CO PHILADELPHIA PA

Report Date: Dec 1974

Abstract: (U) This report formally documents the efforts and results of the cargo handling system segment of the Heavy Lift Helicopter (HLH) Advanced Technology Component (ATC) development program. The purpose of the HLH/ATC was to minimize technical, cost and schedule risks associated with future HLH system research development, test and evaluation (RDTE) and production programs. This was achieved by design, fabrication, and testing of specific ATC hardware in three critical air vehicle subsystems: rotor/drive system, flight control system, and cargo handling system. This report covers only the cargo handling system.

Abstract Classification:Unclassified

Descriptive Note: Final rept. Jun 1971-Jun 1974

Pages:218 Page(s)

Report Number: USAAMRDL - TR-74-97B USAAMRDL *(USAAMRDLTR7497B)* , XA - TR-74-97B USAAMRDL *(XATR7497B)*

Monitor Series: TR-74-97B *(TR7497B)* , USAAMRDL

Contract/Grant/Transfer Number: DAAJ01-71-C-0840 *(DAAJ0171C0840)*

FOIA U2 Display

Distribution/Classification

Distribution Code:01 - APPROVED FOR PUBLIC RELEASE

Report Classification: Unclassified

Collection: Technical Reports

Title: (U) Procurement Coding Manual. Volume 1. Commodities and Services Reported on DD Form 350. Revised as of July 1974.

PDF URL: (pdf) - 3 MB -

https://www.dtic.mil/DTICOnline/downloadPdf.search?collectionId=tr&docId=ADA301412

Accession Number: ADA301412

Corporate Author: WASHINGTON HEADQUARTERS SERVICES (DOD) DC DIRECTORATE FOR INFORMATION OPERATI ONS AND REPORTS

Report Date: Jul 1974

Abstract: (U) This Manual has been developed for use by Army, Navy, Air Force, Defense Supply Agency and other Department of Defense Personnel, who are responsible for retailing, coding, editing, or machine processing the Individual Procurement Action Report, DD Form 350, prescribed by Section XXI of the Armed Services Procurement Regulation. (KAR) P. 3

Abstract Classification:Unclassified

Pages:79 Page(s)

Report Number: DIOR/MN02-74 *(DIORMN0274)* , MN02 *(MN02)* , DOD - 4105.61M DIOR *(DOD410561M)* , XD - 4105.61M DIOR *(XD410561M)*

Monitor Series: 4105.61M *(410561M)* , DIOR

FOIA U2 Display

Distribution/Classification

Distribution Code:A - UNLIMITED DISTRIBUTION

Secondary Dist:Approved for public release - unlimited Distribution

Export Control:No

For Pay:No

Copyrighted - No Govt Rights:No

Classification:UNCLASSIFIED

Collection: TEMS

Title: Engineering Appraisal Of Southwest Research Institute Magnetic Crack Definer Applied To Ch47 Rotor Blades

PDF URL:

https://www.dtic.mil/DTICOnline/downloadPdf.search?collectionId=tems&docId=AMMTIAC-B089292

Accession Number:AMMTIAC-B089292

IAC Report Name:B089292

Personal Author(s): BIRCHAK, J. ROBERT; KING, ROBERT R.; GARDNER, C. Gerald

Monitoring Organization:Army Aviation Command

Performing Organization:SOUTHWEST RESEARCH INST

Date of Publication:01 Oct 1973

Abstract: THE MAGNETIC CRACK DEFINER (MCD), A NONDESTRUCTIVE EVALUATION DEVICE RECENTLY DEVELOPED AT SOUTHWEST RESEARCH INSTITUTE, WAS EVALUATED TO DETERMINE THE APPLICABILITY FOR DETECTING FATIGUE CRACKS IN CH-47 HELICOPTER ROTOR BLADE SPARS (AISI 4340) IN THE FULLY ASSEMBLED BLADE. FOR TEST PURPOSES, FATIGUE CRACKS WERE PRODUCED BY CYCLICALLY STRESSING SEVERAL SHEET SPECIMENS CUT FROM A SPAR FROM A SCRAP BLADE. SEVERAL DIFFERENT PROBE CONFIGURATIONS AND OTHER SYSTEM PARAMETERS OF THE MCD WERE INVESTIGATED, AND AFTER OPTIMIZING OVERALL DESIGN, CRACKS AS SMALL AS 0.3-INCH LONG BY 0.025-INCH DEEP WERE RELIABLY DETECTED UNDER THE MAJOR ADVERSE CONDITIONS ASSOCIATED WITH THE BLADE, NAMELY: VARYING LIFT-OFF UP TO 0.10-INCH; AND DIFFERENT TYPES OF OVERLAYING MATERIALS, INCLUDING STAINLESS STEEL, FIBERGLASS, MASTIC AND ADHESIVE. ADDITIONAL INVESTIGATIONS ARE RECOMMENDED TO DETERMINE THE CAPABILITY FOR DETECTING FATIGUE CRACKS UNDER THE FERROMAGNETIC STEEL DOUBLER PLATES, AND TO DETERMINE POSSIBLE SOURCES OF FALSE ALARMS. (AUTHOR) TERMS: AISI 4340, ENGINEERING STEEL, COPY NONDESTRUCTIVE TESTING, ELECTROMAGNETIC TESTING, FATIGUE CRACKING, CRACKS, CRACK PROPAGATION, ROTOR BLADES.; DETECTION, FERROMAGNETIC MATERIALS, FATIGUE CRACKS, CRACKS, ELECTROMAGNETIC TESTING, FATIGUE(MECHANICS), INSTRUMENTATION, STEEL, AIRCRAFT, HELICOPTERS, ROTORS, EVALUATION, BLADES, SPARS

Pages:59 Page(s)

Site:AMMTIAC

Contract / Grant ID:DAAJ01-73-C-0533 *DAAJ0173C0533*

DTIC AD Number:AD-769 068 *AD769068*

Report ID - Performing Org.:SwRI-15-3653 *SwRI153653*

Report ID - Monitoring Org.:USAAVSCOM-TR-73-20 *USAAVSCOMTR7320*

FOIA U2 Display

Distribution/Classification

Distribution Code:01 - APPROVED FOR PUBLIC RELEASE

Distribution Statement:Approved for public release; distribution is unlimited.

Report Classification: Unclassified

Collection: Technical Reports

Title: (U) United States Air Force Statistical Digest, Fiscal Year 1972. Twenty-Seventh Edition

PDF URL: (pdf) - 14 MB -

https://www.dtic.mil/DTICOnline/downloadPdf.search?collectionId=tr&docId=ADA551711

Accession Number: ADA551711

Corporate Author: COMPTROLLER OF THE AIR FORCE WASHINGTON DC

Report Date: 15 Sep 1973

Abstract: (U) This is the twenty-seventh edition of the United States Air Force Statistical Digest. It contains statistical summaries on Operations, Materiel, Budget, and related subjects. The Digest is published yearly on a fiscal year basis. Its primary function is to serve as the official compilation of USAF Statistics for each fiscal year. Prior to the next edition, both contributors and recipients of this document will receive a survey testing its usefulness. The content must be continually essential and cost effective given the considerable expenditure of resources devoted to its publication. All material in this document has been classified individually by the originating office. Where the classifications were made under outdated directives, they were reclassified as specified in DOD Information Security Program Regulation S200.1-R, July 1972. Where the classification of Secret (NOFORN), Group I was used in Part VI, Military Assistance Program, NOFORN was deleted as not required by AFR 205-1. The statistics are obtained from Air Staff offices, Headquarters USAF field extensions, Major Commands, and separate operating agencies.

Abstract Classification:Unclassified

Pages:453 Page(s)

Report Number: XC - USAF *(XC)*

Monitor Series: USAF

FOIA U2 Display

Distribution/Classification

Distribution Code:01 - APPROVED FOR PUBLIC RELEASE

Report Classification: Unclassified

Collection: Technical Reports

Title: (U) Department of Defense Procurement Coding Manual. Volume 1. Commodities and Services Reported on DD Form 350. Revised July 1973.

PDF URL: (pdf) - 3 MB -

https://www.dtic.mil/DTICOnline/downloadPdf.search?collectionId=tr&docId=ADA301404

Accession Number: ADA301404

Corporate Author: WASHINGTON HEADQUARTERS SERVICES (DOD) DC DIRECTORATE FOR INFORMATION OPERATI ONS AND REPORTS

Report Date: Jul 1973

Abstract: (U) This Manual has been developed for use by Army, Navy, Air Force, Defense Supply Agency and other Department of Defense personnel, who are responsible for preparing, coding, editing, or machine processing the Individual Procurement Action Report, DD Form 350, prescribed by Section XXI of the Armed Services Procurement Regulation. (KAR) P. 3

Abstract Classification:Unclassified

Pages:78 Page(s)

Report Number: DIOR/MN02-73-VOL-1-REV *(DIORMN0273VOL1REV)* , DOD - 4105.61M DIOR *(DOD410561M)* , XD - 4105.61M DIOR *(XD410561M)*

Monitor Series: 4105.61M *(410561M)* , DIOR

FOIA U2 Display

Distribution/Classification

Distribution Code:01 - APPROVED FOR PUBLIC RELEASE

Report Classification: Unclassified

Collection: Technical Reports

Title: (U) Policy Capturing with Local Models: The Application of the AID technique in Modeling Judgment

PDF URL: (pdf) - 12 MB -

https://www.dtic.mil/DTICOnline/downloadPdf.search?collectionId=tr&docId=ADA001766

Accession Number: ADA001766

Personal Author(s): Gooch, Lawrence L

Corporate Author: AIR FORCE INST OF TECH WRIGHT-PATTERSONAFB OH

Report Date: Dec 1972

Abstract: (U) Linear statistical models have been used to describe subjective human judgment. Past studies have focused on the predictive capability of the models, vis-a-vis man himself, the detection and modeling of configural judgment processes, and the use of judgment models as catalysts to conflict resolution. The results have actually not been extensively applied to practical decision situations. The present dissertation is intended to help bridge the gap between the laboratory and operating environments. It applies a concept termed policy capturing to the decision process of an installment loan officer who approves or denies credit on the basis of a written application.

Abstract Classification:Unclassified

Descriptive Note: Doctoral thesis

Pages:400 Page(s)

Report Number: AFIT-CI-74-3 *(AFITCI743)* , XC - AFIT *(XC)*

Monitor Series: AFIT

FOIA U2 Display

Distribution/Classification

Distribution Code:01 - APPROVED FOR PUBLIC RELEASE

Report Classification: Unclassified

Collection: Technical Reports

Title: (U) Procurement Coding Manual. Volume 1. Commodities and Services Reported on DD Form 350. Revised as of July 1972.

PDF URL: (pdf) - 5 MB -

https://www.dtic.mil/DTICOnline/downloadPdf.search?collectionId=tr&docId=ADA301411

Accession Number: ADA301411

Corporate Author: WASHINGTON HEADQUARTERS SERVICES (DOD) DC DIRECTORATE FOR INFORMATION OPERATI ONS AND REPORTS

Report Date: Jul 1972

Abstract: (U) This Manual has been developed for use by Army, Navy, Air Force, Defense Supply Agency and other Department of Defense personnel, who are responsible for preparing, coding, editing, or machine processing the Individual Procurement Action Report, DD Form 35, prescribed by Section XXI of the Armed Services Procurement Regulation. (KAR)

Abstract Classification:Unclassified

Pages:98 Page(s)

Report Number: DIOR/MN02-72 *(DIORMN0272)* , MN02 *(MN02)* , DOD - 4105.61M DIOR *(DOD410561M)* , XD - 4105.61M DIOR *(XD410561M)*

Monitor Series: 4105.61M *(410561M)* , DIOR

FOIA U2 Display

Distribution/Classification

Distribution Code:01 - APPROVED FOR PUBLIC RELEASE

Distribution Statement:Approved for public release; distribution is unlimited.

Report Classification: Unclassified

Collection: Technical Reports

Title: (U) Magnetic Bubble Materials

PDF URL: (pdf) - 3 MB -

https://www.dtic.mil/DTICOnline/downloadPdf.search?collectionId=tr&docId=AD0748426

Accession Number: AD0748426

Personal Author(s): Shaw, Roger W ; Sandfort, Robert M ; Moody, Jerry W

Corporate Author: MONSANTO RESEARCH CORP ST LOUIS MO

Report Date: Jul 1972

Abstract: (U) The intent of the study was to define those physical properties of magnetic bubble materials which need to be characterized, to investigate the known methods for making these characterization, and, finally, to recommend those characterization procedures which appear 'best' at this time. Those material properties included in the study were: Substrate and film composition - substrate and film lattice parameter - substrate and film defect identification and

location - film thickness - film thickness variations - characteristic length and domain dimensions - saturation magnetization and magnetic fields - domain wall energy - domain wall dynamic properties - anisotropy - coercivity - magnetostriction coefficients - reorientation temperature - Neel temperature - compensation temperature - temperature variation of material parameters - thermal conductivity - refractive index - Faraday effect - Kerr effect - optical and magneto-optical absorption - electrical conductivity - photo conductivity.

Abstract Classification:Unclassified

Descriptive Note: Characterization Techniques study rept.

Pages:189 Page(s)

Report Number: MRC-SL-339 *(MRCSL339)* , XA - MICOM *(XA)*

Monitor Series: MICOM

Contract/Grant/Transfer Number: DAAH01-72-C-0490 *(DAAH0172C0490)* , ARPA ORDER-1999 *(ARPAORDER1999)*

FOIA U2 Display

Distribution/Classification

Distribution Code:01 - APPROVED FOR PUBLIC RELEASE , 23 - AVAILABILITY: DOCUMENT PARTIALLY ILLEGIBLE

Distribution Statement:Availability: Document partially illegible.

Report Classification: Unclassified

Collection: Technical Reports

Title: (U) Civil Defense Systems: Shelters

PDF URL: (pdf) - 2 MB -

https://www.dtic.mil/DTICOnline/downloadPdf.search?collectionId=tr&docId=AD0740960

Accession Number: AD0740960

Corporate Author: DEFENSE DOCUMENTATION CENTER ALEXANDRIAVA

Report Date: Apr 1972

Abstract: (U) The bibliography -- one in a series on civil defense systems -- contains a compilation of references on Civil Defense Systems: shelters. References included cover such topics as fallout structure evaluation, individual shelter plans for operations within the large shelter, design procedures for shelter entrance structures to resist blast overpressure and radiation effects, air distribution in shelters, storage stability of civil defense shelter rations, etc. The period January 1970 through January 1972. This volume updates an earlier bibliography, AD-704 500.

Abstract Classification:Unclassified

Descriptive Note: Report bibliography Jan 1970-Oct 1971

Pages:62 Page(s)

Report Number: DDC-TAS-72-14-1 *(DDCTAS72141)* , XD - DDC *(XD)*

Monitor Series: DDC

FOIA U2 Display

Distribution/Classification

Distribution Code:A - UNLIMITED DISTRIBUTION

Secondary Dist:Approved for Public Release; Distribution Unlimited.

Export Control:No

For Pay:No

Copyrighted - No Govt Rights:No

Classification:UNCLASSIFIED

Collection: TEMS

Title: The Nmcssc Quick-reacting General War Gaming System (quick) Programming Specifications Manual. Volume Ii. Plan Generation Subsystem. Part F.

PDF URL:

https://www.dtic.mil/DTICOnline/downloadPdf.search?collectionId=tems&docId=CBRNIAC-CB-146666

Accession Number:CBRNIAC-CB-146666

IAC Report Name:CB-146666 *CB146666*

Personal Author(s): Hardiman, Robert R.; Mapily, Yvonne; Webb, Donald F.; Flanagan, Paul D.; Parish, Patricia M.

Performing Organization:NATIONAL MILITARY COMMAND SYSTEM SUPPORT CENTER WASHINGTON D C

Date of Publication:29 Feb 1972

Abstract: The report is one of three volumes describing computer programs of the QUICK-Reacting General War Gaming System (QUICK). These volumes complement other NMCSSC Computer System Manuals on QUICK by discussing the programs from a computer programming point of view. This volume, in six parts, concentrates on the Plan Generation Subsystem of QUICK and contains associated program listings. (Author)

Category:Computer System Manual

Pages:463 Page(s)

Site:CBRNIAC

DTIC AD Number:742789

Report ID - Performing Org.:NMCSSC-CSM-PSM-9A-67-V-2-F *NMCSSCCSMPSM9A67V2F*

FOIA U2 Display

Distribution/Classification

Distribution Code:01 - APPROVED FOR PUBLIC RELEASE

Distribution Statement:Approved for public release; distribution is unlimited.

Report Classification: Unclassified

Collection: Technical Reports

Title: (U) Theoretical and Experimental Studies of VLF and LF Waves

PDF URL: (pdf) - 9 MB -

https://www.dtic.mil/DTICOnline/downloadPdf.search?collectionId=tr&docId=AD0758778

Accession Number: AD0758778

Personal Author(s): Nessler, Norbert

Corporate Author: INNSBRUCK UNIV (AUSTRIA) ELECTRONICS LAB

Report Date: 28 Feb 1972

Abstract: (U) The results of the research on the production, transmission and reception of VLF and LF waves is represented in 9 compact chapters. A new improved equivalent circuit diagram for the helix is calculated giving a good explanation of the measured effects over a large frequency range. The receiving characteristic of a ferrite rod antenna in the elliptically polarized field is investigated specifying a method that allows all ellipse parameters to be measured simultaneously. The phase measurement at VLF-wave propagation and the device built for this purpose are described and an improved universally usable digital phase measuring equipment for a large frequency range is particularized. The various pehnomena, e.g. reflection, refraction, and wave guiding, that are occurring at VLF and LF wave propagation are described and explained. A detailed description of a long-time registration of commercial VLF transmitters is given.

Abstract Classification:Unclassified

Descriptive Note: Final scientific rept. 1 Jan-31 Dec 1972

Pages:162 Page(s)

Report Number: SCIENTIFIC-4 *(SCIENTIFIC4)* , AFCRL - TR-73-0174 EOAR *(AFCRLTR730174)* , XC - TR-73-0174 EOAR *(XCTR730174)*

Monitor Series: TR-73-0174 *(TR730174)* , EOAR

Contract/Grant/Transfer Number: F44620-72-C-0052 *(F4462072C0052)*

FOIA U2 Display

Distribution/Classification

Distribution Code:01 - APPROVED FOR PUBLIC RELEASE

Distribution Statement:Approved for public release; distribution is unlimited.

Report Classification: Unclassified

Collection: Technical Reports

Title: (U) Relative Generation of Seismic Waves to 4000 Kilometers Epicentral Distance

PDF URL: (pdf) - 2 MB -

https://www.dtic.mil/DTICOnline/downloadPdf.search?collectionId=tr&docId=AD0736526

Accession Number: AD0736526

Personal Author(s): Pierce, J W ; Alsup, S A

Corporate Author: GEORGE WASHINGTON UNIV WASHINGTON DC

Report Date: 31 Dec 1971

Abstract: (U) Lateral variations of seismic wave absorption in the upper mantle beneath the United States are determined by calculation of seismic Q for Pn wave paths. Departures from the amplitude decay of the Pn wave predicted by cylindrical spreading along the crust-mantle boundary form the basis of the Q estimation. Agreement between the contours of upper mantle Q and other geophysical parameters is also demonstrated in some detail, particularly with teleseismic signal amplitude variations and delay time, heat flow, and the anamolous field intensities induced by geomagnetic storms.

Abstract Classification:Unclassified

Descriptive Note: Final rept. 1 Nov 1970-31 Dec 1971

Pages:66 Page(s)

Report Number: AFOSR - TR-72-0273 AFOSR *(AFOSRTR720273)* , XC - TR-72-0273 AFOSR *(XCTR720273)*

Monitor Series: TR-72-0273 *(TR720273)* , AFOSR

Contract/Grant/Transfer Number: AF-AFOSR-1985-71 *(AFAFOSR198571)* , ARPA ORDER-1705 *(ARPAORDER1705)*

FOIA U2 Display

Distribution/Classification

Distribution Code:A - UNLIMITED DISTRIBUTION

Secondary Dist:Approved for public release - unlimited Distribution

Export Control:No

For Pay:No

Copyrighted - No Govt Rights:No

Classification:UNCLASSIFIED

Collection: TEMS

Title: Further Experiments In Language Translation: Readability Of Computer Translations

PDF URL:

https://www.dtic.mil/DTICOnline/downloadPdf.search?collectionId=tems&docId=WSTIAC-PA40188

Accession Number:WSTIAC-PA40188

IAC Report Name:PA40188

Personal Author(s): Klare,George R; Sinaiko Wallace H.;

Monitoring Organization:OFFICE OF THE DIRECTOR OF DEFENSE RESEARCH AND ENGINEERING,DEPUTY DIRECTOR FOR SOUTHEAST ASIA MATTER

Performing Organization:INSTITUTE FOR DEFENSE ANALYSES ARLINGTON VA SCIENCE AND TECHNOLOGY DIV

Date of Publication:01 Aug 1971

Abstract: Application of computational linguistics, i.e., language translation by computer, has been proposed as a means of producing readable translations of technical English-to-Vietnamese. The report is about an experimental study of the readability of translations that could be used for training or equipment maintenance. Major conclusions of the study are: expert human translators produce more readable translations of technical English-to-Vietnamese than is done by computer; Vietnamese readers, trained in English, show the highest comprehension when dealing with that language; comprehension loss becomes relatively greater, as more and more difficult material is read, for computer-based translations than for human translations; method of translation does not affect reading speed; and estimates of cost, based on extrapolations from current developmental systems, are about the same for high-quality human translations and translation by computer

Pages:104 Page(s)

Site:WSTIAC

Contract / Grant ID:DAHC15-67-C-0011 *DAHC1567C0011*

DTIC AD Number:AD0732478

Report ID - Performing Org.:HQ 71-13140 *HQ7113140*

Report ID - Monitoring Org.:RP-P-761 *RPP761*

Abstract: (U) A carefully documented review is made of the subject as it is presented in the writings and speeches of Soviet authorities. The study is divided into the Khrushchev Doctrine (1961-1964) and the Brezhnev Doctrine (1964-1970). The author concludes by summarizing the most important constant themes in Soviet military doctrines.

Abstract Classification:Unclassified

Descriptive Note: Technical note

Pages:105 Page(s)

Report Number: SSC-TN-8974-28 *(SSCTN897428)* , XA - DA *(XA)*

Monitor Series: DA

Contract/Grant/Transfer Number: DAHC19-71-C-0001 *(DAHC1971C0001)*

Title: Analysis Of Insurgent Incidents In Thailand

Accession Number:WSTIAC-PA57747

IAC Report Name:PA57747

Personal Author(s): HARVEY, JAN VORIS;

Performing Organization:NAVAL POSTGRADUATE SCHOOL, MONTEREY, CA

Date of Publication:01 Mar 1971

Abstract: A general survey is made on the data collected by the Village Information System, Thailand project. Principal component analysis and principal factor analysis data reduction techniques are applied to the data for selected areas in northeast Thailand and the results are compared. Algebraic models are applied to a selected variable of the data and forecasting techniques applied to each model to predict the value of the variable in the next time period. Conclusions are presented concerning the operational usefulness of the analytical techniques applied to the data.

Pages:135 Page(s)

Site:WSTIAC

DTIC AD Number:AD0515381

FOIA U2 Display

Distribution/Classification

Distribution Code:01 - APPROVED FOR PUBLIC RELEASE

Distribution Statement:Approved for public release; distribution is unlimited.

Report Classification: Unclassified

Collection: Technical Reports

Title: (U) Fog Modification by Use of Helicopters

PDF URL: (pdf) - 7 MB -

https://www.dtic.mil/DTICOnline/downloadPdf.search?collectionId=tr&docId=AD0716818

Accession Number: AD0716818

Personal Author(s): Plank, Vernon G ; Spatola, Alfred A ; Hicks, James R

Corporate Author: AIR FORCE CAMBRIDGE RESEARCH LABS HANSCOM AFB MA

Report Date: 28 Oct 1970

Abstract: (U) Results of helicopter clearing experiments conducted at the Greenbrier Valley Airport, Lewisburg, West Virginia, during the period 7 to 29 Sep 1969, are presented and discussed. Thirty-five hover experiments and runway- clearing experiments were performed on 10 separate days with fog layers ranging from 125 to 525 ft in depth. The hover experiments, which were successful in virtually all cases, yielded clearings that varied from 400 to 2800 ft in length extent. The largest clearings occurred with the shallowest fog during tests conducted within one hour or so of the natural dissipation time of the fog. The runway-clearing experiments were successful in clearing the full 6000 ft extent of the runway on two occasions, were partially successful on four occasions and were unsuccessful on 12 occasions. Six helicopter landings were accomplished through artificially-created clearings. Quantitative information is described concerning the wake penetration distances of the helicopters, the steady-state clearing times, the total entrainment (mixing) values and the persistence times of the clearings following helicopter departure from the test sites. The temperature, humidity and wind speed values within the cleared zones are also given for certain of the experiments.

Abstract Classification:Unclassified

Descriptive Note: Environmental research papers

Pages:161 Page(s)

Report Number: AFCRL-70-0593 *(AFCRL700593)* , AFCRL-ERP-335 *(AFCRLERP335)* , ECOM - 5339 ECOM *(ECOM)* , XA - 5339 ECOM *(XA)*

Monitor Series: 5339 , ECOM

FOIA U2 Display

Distribution/Classification

Distribution Code:01 - APPROVED FOR PUBLIC RELEASE , 20 - JOURNAL ARTICLES; DTIC USERS ONLY

Distribution Statement:Approved for public release; distribution is unlimited. Available only to DTIC users. U.S. Government or Federal Purpose Rights License.

Report Classification: Unclassified

Collection: Technical Reports

Title: (U) Verbal Learning Theory and Independent Retrieval Phenomena

PDF URL: (pdf) - 1 MB -

https://www.dtic.mil/DTICOnline/downloadPdf.search?collectionId=tr&docId=AD0731456

Accession Number: AD0731456

Personal Author(s): Martin, Edwin

Corporate Author: MICHIGAN UNIV ANN ARBOR HUMAN PERFORMANCE CENTER

Report Date: 20 Oct 1970

Abstract: (U) How people learn a new behavior (C) in a situation (A) for which there already exists a learned behavior (B) and how these competitive behaviors are remembered are the chief concerns of verbal learning theory. These theories entail postulated dependencies among A, B, and C. Associative interference theory has focused on A-B, A-C associative interdependence; list differentiation theory, on B, C availability interdependence; stimulus encoding theory, on stimulus identification interdependencies. The purpose of the paper is to isolate these postulated dependencies and to argue for the critical importance of finding or failing to find the requisite dependencies in memory tasks where A, B, and C are to be retrieved in some form.

Abstract Classification:Unclassified

Pages:20 Page(s)

Report Number: AFOSR - TR-71-2608 AFOSR *(AFOSRTR712608)* , XC - TR-71-2608 AFOSR *(XCTR712608)*

Monitor Series: TR-71-2608 *(TR712608)* , AFOSR

Contract/Grant/Transfer Number: AF 49(638)-1736 *(AF496381736)* , ARPA ORDER-461 *(ARPAORDER461)*

FOIA U2 Display

Distribution/Classification

Distribution Code:A - UNLIMITED DISTRIBUTION

Secondary Dist:Approved for Public Release; Distribution Unlimited.

Export Control:No

For Pay:No

Copyrighted - No Govt Rights:No

Classification:UNCLASSIFIED

Collection: TEMS

Title: Hemodynamic And Respiratory Effects Of Dopamine On Septic Shock In The Monkey.

PDF URL:

https://www.dtic.mil/DTICOnline/downloadPdf.search?collectionId=tems&docId=CBRNIAC-CB-055611

Accession Number:CBRNIAC-CB-055611

IAC Report Name:CB-055611 *CB055611*

Personal Author(s): Guenter, Clarence A.; Hinshaw, Lerner B.

Performing Organization:OKLAHOMA UNIV MEDICAL CENTER OKLAHOMA CITY

Date of Publication:28 Jul 1970

Abstract: This study explored the responses of the rhesus monkey in endotoxin or septic shock, to dopamine (3-hydroxytyramine) and documents metabolic and respiratory effects of maintaining the cardiac output above control levels in those animals. A decrease in cardiac output and systemic arterial pressure occurred in all animals following infusion of endotoxin. Seven were then studied during increasing infusion rates of dopamine (0.5 to 10.0 mg/min) and 5 animals received similar volumes of saline. Each increment in dopamine dose resulted in increased cardiac output. Heart rate, right atrial pressure, and systemic pressure were not altered significantly, but the systemic resistance decreased with each increment in dopamine administered. Two animals in shock after administration of live E. coli organisms had a similar response to dopamine. These parameters were unchanged in the animals that received saline, except at the highest infusion rates. In five animals the cardiac output was raised from 107 t0 213 ml/kg/min by a constant infusion of 1.0 to 1.5 mg/min of dopamine. Maintenance of the cardiac output above pre-shock levels did not reverse the metabolic acidosis, hyperventilation or increased alveoloarterial oxygen gradients which occurred during the shock period prior to the dopamine infusion. (Author)

Category:Technical Report

Pages:22 Page(s)

Site:CBRNIAC

Contract / Grant ID:N00014-68-A-0496 *N0001468A0496*

DTIC AD Number:711018

Report ID - Performing Org.:THEMIS-UOMC-TR-27 *THEMISUOMCTR27*

Title: (U) Procurement Coding Manual. Volume 1. Commodities and Services Reported on DD Form 350. Revised as of July 1970.

PDF URL: (pdf) - 3 MB -

https://www.dtic.mil/DTICOnline/downloadPdf.search?collectionId=tr&docId=ADA301408

Accession Number: ADA301408

Corporate Author: WASHINGTON HEADQUARTERS SERVICES (DOD) DC DIRECTORATE FOR INFORMATION OPERATI ONS AND REPORTS

Report Date: Jul 1970

Abstract: (U) This Manual has been developed for use by Army, Navy, Air Force, Defense Supply Agency and other Department of Defense personnel, who are responsible for preparing, coding, editing, or machine processing the Individual Procurement Action Report, DD Form 350, prescribed by Section XXI of the Armed Services Procurement Regulation.

Abstract Classification:Unclassified

Pages:80 Page(s)

Report Number: DIOR/MN02-70 *(DIORMN0270)* , MN02 *(MN02)* , DOD - 4105.61M DIOR *(DOD410561M)* , XD - 4105.61M DIOR *(XD410561M)*

Monitor Series: 4105.61M *(410561M)* , DIOR

FOIA U2 Display

Distribution/Classification

Distribution Code:01 - APPROVED FOR PUBLIC RELEASE , 20 - JOURNAL ARTICLES; DTIC USERS ONLY

Distribution Statement:Approved for public release; distribution is unlimited. Available only to DTIC users. U.S. Government or Federal Purpose Rights License.

Report Classification: Unclassified

Collection: Technical Reports

Title: (U) ON THE CLASSICAL AND QUANTAL BINARY ENCOUNTER APPROXIMATIONS

PDF URL: (pdf) - 287 KB -

https://www.dtic.mil/DTICOnline/downloadPdf.search?collectionId=tr&docId=AD0712210

Accession Number: AD0712210

Personal Author(s): Bates, D R ; McDonough, W R

Corporate Author: QUEEN'S UNIV BELFAST (NORTHERN IRELAND) DEPT OF APPLIED MATHEMATICS AND THEORETICAL PHYSICS

Report Date: 18 Jun 1970

Abstract: (U) Classical and quantal derivations are given of the key formula of the binary-encounter approximation.

Abstract Classification:Unclassified

Pages:8 Page(s)

Report Number: XB - ONR *(XB)*

Monitor Series: ONR

Contract/Grant/Transfer Number: N00014-69-C-0035 *(N0001469C0035)* , ARPA ORDER-1479 *(ARPAORDER1479)*

FOIA U2 Display

Distribution/Classification

Distribution Code:A - UNLIMITED DISTRIBUTION

Secondary Dist:Approved for public release - unlimited Distribution

Export Control:No

For Pay:No

Copyrighted - No Govt Rights:No

Classification:UNCLASSIFIED

Collection: TEMS

Title: Regular Reflection Of Oblique Shock Waves In Water

PDF URL:

https://www.dtic.mil/DTICOnline/downloadPdf.search?collectionId=tems&docId=WSTIAC-PA55659

Accession Number:WSTIAC-PA55659

IAC Report Name:PA55659

Personal Author(s): COLEBURN, N. L.; ROSLUND, L. A.;

Performing Organization:NAVAL ORDNANCE LABORATORY, WHITE OAK, SILVER SPRING, MD

Date of Publication:17 Dec 1968

Abstract: The theory of oblique shock reflection was applied to the collision of equal underwater shocks of separated explosive spheres. Reflected shock states were calculated to the critical point for Mach wave formation using peak pressure-distance data from the underwater detonation of pentolite and an energy-dependent form of the equation of state of water. Parameters of the reflected wave were obtained for incident shock strengths between 10.3 kbars and 30 bars.

Pages:34 Page(s)

Site:WSTIAC

DTIC AD Number:AD0687094

Report ID - Performing Org.:NOLTR-68-209 *NOLTR68209*

FOIA U2 Display

Distribution/Classification

Distribution Code:01 - APPROVED FOR PUBLIC RELEASE

Distribution Statement:Approved for public release; distribution is unlimited.

Report Classification: Unclassified

Collection: Technical Reports

Title: (U) Lessons Learned, Headquarters, XXIV Corps

PDF URL: (pdf) - 2 MB -

https://www.dtic.mil/DTICOnline/downloadPdf.search?collectionId=tr&docId=AD0395947

Accession Number: AD0395947

Corporate Author: ADJUTANT GENERAL'S OFFICE (ARMY) WASHINGTON DC

Report Date: 15 Nov 1968

Abstract: (U) Contents: Intelligence and Counterintelligence; Plans, Operations and Training; Logistics; Aviation; and G5 Activities.

Abstract Classification:Unclassified

Descriptive Note: Operational rept. for quarterly period ending 31 Oct 1968

Pages:49 Page(s)

Report Number: OACSFOR - OT-UT-684253 OACSFOR *(OACSFOROTUT684253)* , XA - OT-UT-684253 OACSFOR *(XAOTUT684253)*

Monitor Series: OT-UT-684253 *(OTUT684253)* , OACSFOR

FOIA U2 Display

Distribution/Classification

Distribution Code:01 - APPROVED FOR PUBLIC RELEASE

Distribution Statement:Approved for public release; distribution is unlimited.

Report Classification: Unclassified

Collection: Technical Reports

Title: (U) High Voltage Power Line Siting Criteria

PDF URL: (pdf) - 30 MB -

https://www.dtic.mil/DTICOnline/downloadPdf.search?collectionId=tr&docId=AD0846243

Accession Number: AD0846243

Personal Author(s): Pakala, William E ; Chartier, Vern L ; Harrold, Ronald T

Corporate Author: WESTINGHOUSE ELECTRIC CORP EAST PITTSBURGH PA ELECTRIC UTILITY HEADQUARTERS DEPT

Report Date: Nov 1968

Abstract: (U) The Technical Report describes the work performed under Contract F30602-67-C-0171. The objective was to develop a High Voltage Power Line Siting Criteria so that communication sites can be selected which will be seriously affected by radio interference from existing power lines, or proposed lines in the vicinity of the communication site. A High Voltage Power Line Siting Criteria was developed and reported for power lines rated 2.4 kV through 345 kV, and covering the frequency spectrum of 60 Hertz through one Gigahertz. This Technical Report extends the Siting Criteria to power lines operating at 525 kV ac, 735 kV ac and 800 kV dc, covering the frequency range from 60 Hz to 10 GHz. Also the investigation of the radio noise and frequency spectrum of the 345-kV lines studied in the previous contract has been extended to 10 GHz.

Abstract Classification:Unclassified

Descriptive Note: Final rept.

Pages:225 Page(s)

Report Number: 68-696 *(68696)* , RADC - TR-68-316 RADC *(RADCTR68316)* , XC - TR-68-316 RADC *(XCTR68316)*

Monitor Series: TR-68-316 *(TR68316)* , RADC

Contract/Grant/Transfer Number: F30602-67-C-0171 *(F3060267C0171)*

FOIA U2 Display

Distribution/Classification

Distribution Code:01 - APPROVED FOR PUBLIC RELEASE

Distribution Statement:Approved for public release; distribution is unlimited.

Report Classification: Unclassified

Collection: Technical Reports

Title: (U) JOVIAL EVALUATION PROJECT

PDF URL: (pdf) - 20 MB -

https://www.dtic.mil/DTICOnline/downloadPdf.search?collectionId=tr&docId=AD0681138

Accession Number: AD0681138

Personal Author(s): O'Brien, William M

Corporate Author: DATA DYNAMICS INC LOS ANGELES CA

Report Date: 15 Oct 1968

Abstract: (U) The results of the evaluation of the JOVIAL Language as specified in Air Force Manual (AFM) 100-24 are contained in this report. This evaluation was based primarily on experience of users of JOVIAL Language dialects. The goal of this evaluation was to recommend deletions, retentions, modifications, and extensions to the JOVIAL language based on the users experience. The methodology of the evaluation consisted of collecting user experience data by means of a 'JOVIAL Application Questionnaire' and interviews, and evaluating this data based on criteria established and documented in the 'Approach for Change'. This report contains a list of JOVIAL features recommended for deletion and retention and

detailed specifications of recommended modifications and extentions to the JOVIAL language. In addition, the report contains the detailed interview notes and questionnaire responses which were the basic data used to arrive at the recommendations.

Abstract Classification:Unclassified

Descriptive Note: Final rept.

Pages:297 Page(s)

Report Number: ESD - TR-68-452 ESD *(ESDTR68452)* , XC - TR-68-452 ESD *(XCTR68452)*

Monitor Series: TR-68-452 *(TR68452)* , ESD

Contract/Grant/Transfer Number: F19628-68-C-0110 *(F1962868C0110)*

FOIA U2 Display

Distribution/Classification

Distribution Code:01 - APPROVED FOR PUBLIC RELEASE

Distribution Statement:Approved for public release; distribution is unlimited.

Report Classification: Unclassified

Collection: Technical Reports

Title: (U) Lessons Learned, Headquarters, II Field Force Vietnam Artillery

PDF URL: (pdf) - 2 MB -

https://www.dtic.mil/DTICOnline/downloadPdf.search?collectionId=tr&docId=AD0394868

Accession Number: AD0394868

Corporate Author: ADJUTANT GENERAL'S OFFICE (ARMY) WASHINGTON DC

Report Date: 15 Aug 1968

Abstract: (U) This reporting period was characterized by repositioning of Force Artillery to cope with the changing operational situation. Force Artillery capabilities were decreased appreciably by requirements for additional light artillery in IV Corps Tactical Zone and by the loss of control of artillery assets that have been tasked to defend the Saigon area as an integral part of Capital Military Assistance Command (CMAC). Continuing emphasis was placed on improving the effectiveness of ARVN Artillery and providing artillery support for SF/CIDG personnel.

Abstract Classification:Unclassified

Descriptive Note: Operational rept. for Quarterly period ending 31 Jul 1968

Pages:40 Page(s)

Report Number: OACSFOR - OT-UT-683250 OACSFOR *(OACSFOROTUT683250)* , XA - OT-UT-683250 OACSFOR *(XAOTUT683250)*

Monitor Series: OT-UT-683250 *(OTUT683250)* , OACSFOR

FOIA U2 Display

Distribution/Classification

Distribution Code:01 - APPROVED FOR PUBLIC RELEASE

Distribution Statement:Approved for public release; distribution is unlimited.

Report Classification: Unclassified

Collection: Technical Reports

Title: (U) Lessons Learned, Headquarters, 37th Signal Battalion (Spt)

PDF URL: (pdf) - 1 MB -

https://www.dtic.mil/DTICOnline/downloadPdf.search?collectionId=tr&docId=AD0845617

Accession Number: AD0845617

Corporate Author: ADJUTANT GENERAL'S OFFICE (ARMY) WASHINGTON DC

Report Date: 11 Aug 1968

Descriptive Note: Operational rept. for quarterly period ending 31 Jul 1968

Pages:22 Page(s)

Report Number: OACSFOR - OT-UT-683148 OACSFOR *(OACSFOROTUT683148)* , XA - OT-UT-683148 OACSFOR *(XAOTUT683148)*

Monitor Series: OT-UT-683148 *(OTUT683148)* , OACSFOR

FOIA U2 Display

Distribution/Classification

Distribution Code:01 - APPROVED FOR PUBLIC RELEASE

Report Classification: Unclassified

Collection: Technical Reports

Title: (U) Department of Defense Procurement Coding Manual. Volume 1. Commodities and Services Reported on DD Form 350, Revised as of July 1968,

PDF URL: (pdf) - 3 MB -

https://www.dtic.mil/DTICOnline/downloadPdf.search?collectionId=tr&docId=ADA301499

Accession Number: ADA301499

Corporate Author: WASHINGTON HEADQUARTERS SERVICES (DOD) DC DIRECTORATE FOR INFORMATION OPERATI ONS AND REPORTS

Report Date: Jul 1968

Abstract: (U) NO ABSTRACT POSSIBLE (KAR)

Abstract Classification:Unclassified

Pages:72 Page(s)

Report Number: DIOR/MN02-68 *(DIORMN0268)* , MN02 *(MN02)* , DOD - 4105.61M DIOR *(DOD410561M)* , XD - 4105.61M DIOR *(XD410561M)*

Monitor Series: 4105.61M *(410561M)* , DIOR

FOIA U2 Display

Distribution/Classification

Distribution Code:A - UNLIMITED DISTRIBUTION

Secondary Dist:Approved for Public Release; Distribution Unlimited.

Export Control:No

For Pay:No

Copyrighted - No Govt Rights:No

Classification:UNCLASSIFIED

Collection: TEMS

Title: Effect Of Cell Moisture On The Thermal Inactivation Rate Of Bacterial Spores.

PDF URL:

https://www.dtic.mil/DTICOnline/downloadPdf.search?collectionId=tems&docId=CBRNIAC-CB-137861

Accession Number:CBRNIAC-CB-137861

IAC Report Name:CB-137861 *CB137861*

Personal Author(s): Hoffman, Robert K.; Gambill, Vernon M.; Buchanan, Lee M.

Performing Organization:FORT DETRICK FREDERICK MD

Date of Publication:01 Apr 1968

Abstract: Thermal inactivation rates were determined for two strains of Bacillus subtilis var. niger spores after equilibration to various relative humidities (RH). In these tests, small thin stainless steel squares were each inoculated with a drop of spore suspension and equilibrated to 11, 33, or 85 percent RH. Following equilibration, the squares were placed on a hot plate preheated to 108, 125, 136, 164, or 192C for various exposure times, then assayed for surviving organisms. The results revealed that spores of the A strain of B. subtilis were least resistant if pre-equilibrated to 11 percent RH and most resistant if pre-equilibrated to 85 percent RH. The same trend was obtained at all temperatures except 192C, at which no difference was noted, probably because the rapid kill time approaches the heat-up time of the stainless steel square. The B strain of B. subtilis spores showed an opposite relative humidity effect; that is, the cells pre-equilibrated to 11 percent RH were the most resistant. Because the two strains of spores were grown on different media, further studies were conducted at 136C after subculturing the cells on different media. When the B strain was subcultured on the A strain medium, the pattern was reversed; the cells pre-equilibrated to low relative humidity were then least resistant. Although it was not possible to reverse these cells to the original pattern by subculturing on the original B strain medium again, the pattern was altered to the point that there was no significant difference in heat resistance of these cells regardless of the pre-equilibration relative humidity.

Category:Technical Manuscript

Pages:20 Page(s)

Site:CBRNIAC

DTIC AD Number:835496

Report ID - Performing Org.:SMUFD-TM-454 *SMUFDTM454*

FOIA U2 Display

Distribution/Classification

Distribution Code:A - UNLIMITED DISTRIBUTION

Secondary Dist:Approved for public release - unlimited Distribution

Export Control:No

For Pay:No

Copyrighted - No Govt Rights:No

Classification:UNCLASSIFIED

Collection: TEMS

Title: Human Factors Data Thesaurus (an Application To Task Data)

PDF URL:

https://www.dtic.mil/DTICOnline/downloadPdf.search?collectionId=tems&docId=WSTIAC-PA33106

Accession Number:WSTIAC-PA33106

IAC Report Name:PA33106

Personal Author(s): Oller,Robert G;

Monitoring Organization:AEROSPACE MEDICAL RESEARCH LABORATORIES

Performing Organization:SYSTEM DEVELOPMENT CORPORATION

Date of Publication:01 Mar 1968

Abstract: This report describes how vocabulary and thesaurus techniques can be applied to a user-oriented computerized data handling system. An analysis is presented of the specialized problems associated with the development of vocabularies and rules for regulating their usage. The content of the report consists of glossaries of action verbs and nouns accompanied by appropriate rules of usage and cross-reference indexes of acceptable terms and their synonyms. All the terms contained in the vocabularies are clearly defined and are mutually exclusive. Care was exercised to avoid selecting terms that had restricted usage, so they would be useful in a wide range of aerospace systems. Consistency in meaning of terms and rules governing their usage will reduce confusion when indexing data and help maintain the users confidence in the data retrieved. The vocabularies and rules for usage should, with modifications, be applicable to any data base containing aerospace human factors data. Only limited additions should be required to the verb glossary to express any human actions associated with aerospace systems.

Pages:71 Page(s)

Site:WSTIAC

Contract / Grant ID:F33615-67-C-1036 *F3361567C1036*

DTIC AD Number:AD0670578

Report ID - Monitoring Org.:AMRL-TR-67-211 *AMRLTR67211*

Distribution/Classification

Distribution Code:01 - APPROVED FOR PUBLIC RELEASE

Distribution Statement:Approved for public release; distribution is unlimited.

Report Classification: Unclassified

Collection: Technical Reports

Title: (U) STRUCTURAL RELATIONSHIPS IN VITREOUS INFRARED MATERIALS

Accession Number: AD0661216

Personal Author(s): Levengood, W C ; Vong, T S

Corporate Author: MICHIGAN UNIV ANN ARBOR INST OF SCIENCE AND TECHNOLOGY

Report Date: Nov 1967

Abstract: (U) Based on considerations of the important role of microyield in glass- structure studies, a linear relationship was found between the breaking strength of glass and microelasticity. This relationship disclosed that the wide spread observed in breaking strength values within one given glass system is due to localized variations in elasticity. Heretofore, these large deviations in strength have been attributed to unresolved factors such as surface contamination, handling defects, etc. Data presented demonstrate a spatial variability in microelasticity, the form of which determines the strength of glass under nonuniform loading conditions. The practical implications in terms of improving the mechanical properties of infrared glasses are discussed. Several predictions suggested by a previously defined unified theory of glass structure are examined and they generally substantiate the fact that variations in the basic glass structure are determined by surface flaw parameters and flaw interactions. In particular, this study confirmed that gases bound within vitreous networks can influence mechanical strength. The surface flaw characteristics and critical stress of flaw formation was determined both in infrared transmitting glasses in a single crystal. The differences in the flaw parameter values for the crystalline solid and the glasses were as predicted. Induced radiation effects were examined in three glasses representing the basic liquid models, and the changes in flaw characteristics are interpreted in relation to liquid model theory.

Abstract Classification:Unclassified

Descriptive Note: Semiannual progress rept. 1 Apr-30 Sep 1967

Pages:44 Page(s)

Report Number: 7518-10-P *(751810P)* , XB - ONR *(XB)*

Monitor Series: ONR

Contract/Grant/Transfer Number: NONR-1224(57) *(NONR122457)* , ARPA ORDER-269 *(ARPAORDER269)*

FOIA U2 Display

Distribution/Classification

Distribution Code:01 - APPROVED FOR PUBLIC RELEASE , 20 - JOURNAL ARTICLES; DTIC USERS ONLY

Distribution Statement:Approved for public release; distribution is unlimited. Available only to DTIC users. U.S. Government or Federal Purpose Rights License.

Report Classification: Unclassified

Collection: Technical Reports

Title: (U) ITERATIVE QUADRATICALLY CONVERGENT ALGORITHM FOR SOLVING THE GENERAL HARTREE-FOCK-ROOTHAAN EQUATIONS

PDF URL: (pdf) - 371 KB -

https://www.dtic.mil/DTICOnline/downloadPdf.search?collectionId=tr&docId=AD0672541

Accession Number: AD0672541

Personal Author(s): Wessel, W R

Corporate Author: CHICAGO UNIV IL LAB OF MOLECULAR STRUCTURE AND SPECTRA

Report Date: 01 Nov 1967

Abstract: (U) A detailed numerical method has been developed for solving the most general case of the Hartree-Fock-Roothaan equations, which arise in the numerical calculation of atomic and molecular wavefunctions. The method is quadratically convergent and was tested on a number of practical problems, including the calculation of a Hartree-Fock wavefunction for the lithium atom and the CN molecule. The generality and reliability of the method are discussed. (Author)

Abstract Classification:Unclassified

Pages:6 Page(s)

Report Number: AROD - 3835.44 AROD *(AROD383544)* , XA - 3835.44 AROD *(XA383544)*

Monitor Series: 3835.44 *(383544)* , AROD

Contract/Grant/Transfer Number: DA-31-124-ARO(D)-447 *(DA31124AROD447)* , ARPA ORDER-368 *(ARPAORDER368)*

FOIA U2 Display

Distribution/Classification

Distribution Code:A - UNLIMITED DISTRIBUTION

Secondary Dist:APPROVED FOR PUBLIC RELEASE AND SALE; DISTRIBUTION UNLIMITED

Export Control:No

Copyrighted - No Govt Rights:No

Classification:UNCLASSIFIED

Collection: TEMS

Title: Five Color Separation Investigation

PDF URL:

https://www.dtic.mil/DTICOnline/downloadPdf.search?collectionId=tems&docId=SENSIAC-SENS-IRIA-20857

Accession Number:SENSIAC-SENS-IRIA-20857

IAC Report Name:IRIA-20857 *IRIA20857*

Personal Author(s): LEIRLEY, CHARLES R.; HARRIS, CLYDE W.

Monitoring Organization:U.S. ARMY ENGINEER TOPOGRAPHIC LABORATORIES

Performing Organization:THE TE COMPANY

Date of Publication:01 Sep 1967

Abstract: The purpose of this program was to determine the feasibility of extracting electronically cartographic type single color imagery from multicolor maps. The approach utilized from four to twenty color sample analysis and analog and digital processing of the color data. Both color matrix optimization and multilevel logic electronic processing functions were evaluated.

Category:Final Report

Pages:43 Page(s)

Site:SENSIAC

Contract / Grant ID:DAAK02-67-C-0172 *DAAK0267C0172*

DTIC AD Number:662725

FOIA U2 Display

Distribution/Classification

Distribution Code:01 - APPROVED FOR PUBLIC RELEASE

Distribution Statement:Approved for public release; distribution is unlimited.

Report Classification: Unclassified

Collection: Technical Reports

Title: (U) EVALUATION OF ADAM AN ADVANCED DATA MANAGEMENT SYSTEM

PDF URL: (pdf) - 2 MB -

https://www.dtic.mil/DTICOnline/downloadPdf.search?collectionId=tr&docId=AD0661273

Accession Number: AD0661273

Personal Author(s): Gildea, R A

Corporate Author: MITRE CORP BEDFORD MA

Report Date: Aug 1967

Abstract: (U) The report evaluates the ADAM project (Advanced Data Management System), its products, applications, and some of its activities, which were part of a larger project entitled Information Systems Tools and Software Techniques. The knowledge and conclusions contained herein are intended for Air Force and other personnel who either are systems programmers or have had a brief technical orientation in information processing systems, and are interested in the management and production of software tools. There are detailed evaluations of documentation and debugging facilities, system languages and language manipulators, data structures and memory allocators. Both the design and implementation of parts of the system, as well as the entire system are discussed.

Abstract Classification:Unclassified

Pages:70 Page(s)

Report Number: MTR-442 *(MTR442)* , ESD - TR-67-130 ESD *(ESDTR67130)* , XC - TR-67-130 ESD *(XCTR67130)*

Monitor Series: TR-67-130 *(TR67130)* , ESD

Contract/Grant/Transfer Number: AF 19(628)-5165 *(AF196285165)*

FOIA U2 Display

Distribution/Classification

Distribution Code:A - UNLIMITED DISTRIBUTION

Secondary Dist:Approved For Public Release; Distribution Unlimited. Availability: Journal of the American Chemical Society, 89(5): 1158-1163, March 1967.

Export Control:No

For Pay:No

Copyrighted - No Govt Rights:No

Classification:UNCLASSIFIED

Collection: TEMS

Title: Oxidations Of Amines. Ii. Substituent Effects In Chlorine Dioxide Oxidations.

PDF URL:

https://www.dtic.mil/DTICOnline/downloadPdf.search?collectionId=tems&docId=CBRNIAC-CB-134817

Accession Number:CBRNIAC-CB-134817

IAC Report Name:CB-134817 *CB134817*

Personal Author(s): Rosenblatt, D. H.; Hull, L. A.; DeLuca, D. C.; Davis, G. T.; Weglein, R. C.

Performing Organization:EDGEWOOD ARSENAL ABERDEEN PROVING GROUND MD

Date of Publication:01 Jul 1967

Abstract: Reaction of chlorine dioxide with a series of meta- and para-substituted benzyldimethylamines was studied at 26.95C in aqueous solution at constant ionic strength. Nonthermodynamic dissociation constants were determined at the same ionic strength for the series of amines. Several of the amines were shown to give significant yields of cleavage products corresponding to both of the possible directions for oxidative dealkylation. Despite the product complexity observed, rate constants for the reaction series were correlated by a Bronsted linear free energy relationship with alpha = +0.812. The reactivities were also correlated by a Hammett plot, with rho = -0.924 as were the amine dissociation constants (rho = -1.14). The significance of these observations is discussed as it relates to the mechanism. (Author)

Category:Special Publication

Pages:14 Page(s)

Site:CBRNIAC

DTIC AD Number:654242

Report ID - Performing Org.:ESAP-100-23 *ESAP10023*

FOIA U2 Display

Distribution/Classification

Distribution Code:01 - APPROVED FOR PUBLIC RELEASE , 23 - AVAILABILITY: DOCUMENT PARTIALLY ILLEGIBLE

Distribution Statement:Approved for public release; distribution is unlimited. Document partially illegible.

Report Classification: Unclassified

Collection: Technical Reports

Title: (U) ADVANCES IN THE DEVELOPMENT OF HEAD PROTECTION FOR AIRCRAFT CREWMEN

PDF URL: (pdf) - 718 KB -

https://www.dtic.mil/DTICOnline/downloadPdf.search?collectionId=tr&docId=AD0665388

Accession Number: AD0665388

Personal Author(s): Lastnik, Abraham L

Corporate Author: ARMY NATICK LABS MA CLOTHING AND ORGANIC MATERIALS LAB

Report Date: Feb 1967

Abstract: (U) The U.S. Army's new nylon fabric laminate flight helmet provides increased crash and ballistic protection over that of other current U.S. military flight helmets. A newly developed retention device, based on an orthopedic sling for neck traction, assures retention of the helmet. A new visor of polycarbonate resin provides eye protection against impinging fragments. It

resists shattering and penetration. Research studies reveal the feasibility of attenuating low frequency noise, at the ear, with relatively small volume ear cups.

Abstract Classification:Unclassified

Pages:14 Page(s)

Report Number: C/ED-45 *(CED45)* , USA-NLABS - TR-67-53-CM ANL *(USANLABSTR6753CM)* , XA - TR-67-53-CM ANL *(XATR6753CM)*

Monitor Series: TR-67-53-CM *(TR6753CM)* , ANL

FOIA U2 Display

Distribution/Classification

Distribution Code:A - UNLIMITED DISTRIBUTION

Secondary Dist:Approved for Public Release; Distribution Unlimited.

Export Control:No

For Pay:No

Copyrighted - No Govt Rights:No

Classification:UNCLASSIFIED

Collection: TEMS

Title: Viruses In Polar Sanitation, A Literature Review.

PDF URL:

https://www.dtic.mil/DTICOnline/downloadPdf.search?collectionId=tems&docId=CBRNIAC-CB-133088

Accession Number:CBRNIAC-CB-133088

IAC Report Name:CB-133088 *CB133088*

Personal Author(s): Legros, P. G.; Drobny, N. L.

Performing Organization:NAVAL CIVIL ENGINEERING LAB PORT HUENEME CA

Date of Publication:01 Dec 1966

Abstract: The literature was reviewed to collect information on which to base an estimate of the threat to the health of polar camp personnel posed by viruses in human waste. The nature of viruses in general is outlined and the occurrence of enterovirus infections is discussed. It is concluded (1) that the uncontrolled waste disposal practices characteristic of polar camps make these areas prime targets for the spread of virus diseases, and (2) that the existing hazards could be significantly reduced by (a) the use of chemical toilets, (b) waste incineration, and (c) superchlorination of drinking water followed by dechlorination prior to consumption. It is recommended that (1) an investigation of the survival of enteroviruses in the polar environment be conducted, and (2) chemical or incinerating waste-treatment process be used for human waste disposal in polar areas.

Category:Technical Report

Pages:25 Page(s)

Site:CBRNIAC

DTIC AD Number:645601

Report ID - Performing Org.:NCEL-TR-505 *NCELTR505*

FOIA U2 Display

Distribution/Classification

Distribution Code:A - UNLIMITED DISTRIBUTION

Secondary Dist:Approved for Public Release; Distribution Unlimited. Availability: Memoires Scientifiques Revision Metallurg 62: 27-45, 15 May 65.

Export Control:No

For Pay:No

Copyrighted - No Govt Rights:No

Classification:UNCLASSIFIED

Collection: TEMS

Title: The Oxidation Of Copper Single Crystals, I, The Early Stages Of The Low Pressure Oxidation Process, Ii, Epitaxy.

PDF URL:

https://www.dtic.mil/DTICOnline/downloadPdf.search?collectionId=tems&docId=CBRNIAC-CB-040990

Accession Number:CBRNIAC-CB-040990

IAC Report Name:CB-040990 *CB040990*

Personal Author(s): Lawless, Kenneth R.; Mitchell, Don F.

Performing Organization:VIRGINIA UNIV CHARLOTTESVILLE DEPT OF MATERIALS SCIENCE

Date of Publication:01 Oct 1966

Abstract: The early stages of the low pressure oxidation process of copper single crystals have been studied by means of electron diffraction and microscopy. The importance of oxygen solution prior to the nucleation of oxide was demonstrated. The effect of trace contaminants was also shown. Epitaxial studies are also reported for copper oxide and copper bromide. (Author)

Category:Technical Report

Pages:24 Page(s)

Site:CBRNIAC

Contract / Grant ID:NONR-474(11) *NONR47411*

DTIC AD Number:643677

Report ID - Performing Org.:MS-3531-105-66U *MS353110566U*

FOIA U2 Display

Distribution/Classification

Distribution Code:01 - APPROVED FOR PUBLIC RELEASE

Distribution Statement:Approved for public release; distribution is unlimited.

Report Classification: Unclassified

Collection: Technical Reports

Title: (U) ODOR CODING FOR MALFUNCTION DETECTION AND DIAGNOSIS

PDF URL: (pdf) - 3 MB -

https://www.dtic.mil/DTICOnline/downloadPdf.search?collectionId=tr&docId=AD0643239

Accession Number: AD0643239

Personal Author(s): Goldbeck, Robert A ; Kaeding, Judith H ; Feroglia, W E

Corporate Author: PHILCO CORP PALO ALTO CA WESTERN DEVELOPMENT LABS

Report Date: Aug 1966

Abstract: (U) The use of the olfactory sense for detecting and diagnosing malfunctions in equipment systems has been investigated. The literature on olfaction is reviewed and the data and data gaps relevant to equipment maintenance applications are summarized. With the literature findings as a point of reference, performance requirements for an odor-coding system are established and a taxonomic structure is synthesized for the purpose of developing specific odor-coding systems. A survey of equipment system applications leads to the conclusion that odor-augmented maintenance displays are both feasible and practical. Recommendations are made for a program of research and development leading to broad scope implementation of odor coding for malfunction detection and diagnosis.

Abstract Classification:Unclassified

Descriptive Note: Final rept. May 1965-Mar 1966

Pages:56 Page(s)

Report Number: AMRL - TR-66-122 AMRL *(AMRLTR66122)* , XC - TR-66-122 AMRL *(XCTR66122)*

Monitor Series: TR-66-122 *(TR66122)* , AMRL

Contract/Grant/Transfer Number: AF 33(615)-2948 *(AF336152948)*

FOIA U2 Display

Distribution/Classification

Distribution Code:01 - APPROVED FOR PUBLIC RELEASE

Report Classification: Unclassified

Collection: Technical Reports

Title: (U) Department of Defense Procurement Coding Manual. Volume 1. Commodities and Services Reported on DD Form 350, Revised as of July 1966,

PDF URL: (pdf) - 3 MB -

https://www.dtic.mil/DTICOnline/downloadPdf.search?collectionId=tr&docId=ADA301503

Accession Number: ADA301503

Corporate Author: WASHINGTON HEADQUARTERS SERVICES (DOD) DC DIRECTORATE FOR INFORMATION OPERATI ONS AND REPORTS

Report Date: Jul 1966

Abstract: (U) NO ABSTRACT POSSIBLE (KAR)

Abstract Classification:Unclassified

Pages:64 Page(s)

Report Number: DIOR/MN02-66 *(DIORMN0266)* , MN02 *(MN02)* , DOD - 4105.61M DIOR *(DOD410561M)* , XD - 4105.61M DIOR *(XD410561M)*

Monitor Series: 4105.61M *(410561M)* , DIOR

FOIA U2 Display

Distribution/Classification

Distribution Code:A - UNLIMITED DISTRIBUTION

Secondary Dist:Approved for Public Release; Distribution Unlimited.

Export Control:No

For Pay:No

Copyrighted - No Govt Rights:No

Classification:UNCLASSIFIED

Collection: TEMS

Title: Spread Of Rice Blast In Small Fields.

PDF URL:

https://www.dtic.mil/DTICOnline/downloadPdf.search?collectionId=tems&docId=CBRNIAC-CB-133509

Accession Number:CBRNIAC-CB-133509

IAC Report Name:CB-133509 *CB133509*

Personal Author(s): Barksdale, Thomas H.

Performing Organization:ARMY BIOLOGICAL CENTER FREDERICK MD

Date of Publication:01 May 1966

Abstract: Increase and concurrent spread of rice blast from foci in small fields is described under nearly ideal conditions for infection. Lesion counts and severity estimates were made at stations on polar coordinates at regular intervals. Spore loads in the air were measured with rotobars

uniformly spaced aroundthe foci andcorrected to spore hours per cubic meter. Increase in the air are shown. Lesions were present six days after inoculation. Growth of foci in all fields was similar and logarithmic notwithstandng initial size. Toward the end of the epiphytotic, spore load decreased faster than disease attenuated. In early stages of an epiphytotic, when 40 or fewer lesions occur per acre, there is little chance of detecting spores on a rotobar.

Category:Technical Report

Pages:29 Page(s)

Site:CBRNIAC

DTIC AD Number:483850

Report ID - Performing Org.:TECHNICAL MANUSCRIPT-299
TECHNICALMANUSCRIPT299

FOIA U2 Display

Distribution/Classification

Distribution Code:A - UNLIMITED DISTRIBUTION

Secondary Dist:Approved for Public Release; Distribution Unlimited.

Export Control:No

For Pay:No

Copyrighted - No Govt Rights:No

Classification:UNCLASSIFIED

Collection: TEMS

Title: Natural Convection In A Horizontal Cylinder At Large Prandtl Numbers.

PDF URL:

https://www.dtic.mil/DTICOnline/downloadPdf.search?collectionId=tems&docId=CBRNIAC-CB-131996

Accession Number:CBRNIAC-CB-131996

IAC Report Name:CB-131996 *CB131996*

Personal Author(s): Menold, Ernest R.; Ostrach, Simon

Performing Organization:CASE INST OF TECH CLEVELAND OH FLUID THERMAL AND AEROSPACE SCIENCES

Date of Publication:01 Nov 1965

Abstract: This work deals with the natural convection of a fluid confined within an infinite horizontal cylinder, at large Prandtl numbers and unit order Grashof numbers. The fluid motion is generated by means of a cosine temperature distribution imposed circumferentially on the cylinder wall. An arbitrary phase angle is included in this distribution in order to investigate a variety of heating configurations ranging from the heated-from-the-side to the heated-from-below case. The governing equations are solved using a technique only recently applied to problems of this nature, known as the modified Oseen linearization. The mathematical

simplifications inherent in a large Prandtl number analysis make it possible to scrutinize carefully this technique, and both its simplifications and shortcomings are discussed. Key assumptions in the analysis are carefully examined and ambiguities appearing in earlier work are pointed out. An experimental investigation of natural convection phenomena in a viscous silicone oil confined in a horizontal cylinder is made, and the results are compared with theory. The experimental equipment was designed so that a cosine temperature distribution could be maintained on the cylinder wall.

Category:Scientific Report, 63-64

Pages:207 Page(s)

Site:CBRNIAC

Contract / Grant ID:AF-AFOSR-194-66; NSF-G-19435 *AFAFOSR19466NSFG19435*

DTIC AD Number:475885

Report ID - Performing Org.:FTAS/TR-65-4 *FTASTR654*

Abstract: (U) Available world literature on ejection-related vertebral injuries in aviators was thoroughly surveyed and is presented as an annotated bibliography in Appendix A. Basic findings of some of the principal investigators into vertebral injury are summarized. Parameters associated with the pilot, aircraft, and ejection-seat system are evaluated in the light of their trends and relative significance in contributing to ejection-caused vertebral injury. These studies led to the development of a proposed research design to determine the dynamic strength of isolated vertebrae. Preliminary research objectives are outlined. The experimental procedure and analysis techniques are set forth. A plan for sequencing and integrating the research operations is diagramed.

Descriptive Note: Final rept.

Pages:150 Page(s)

Report Number: TI-65-041 *(TI65041)* , XB - ONR *(XB)*

Monitor Series: ONR

Contract/Grant/Transfer Number: NONR-4675(00) *(NONR467500)*

FOIA U2 Display

Distribution/Classification

Distribution Code:01 - APPROVED FOR PUBLIC RELEASE

Distribution Statement:Approved for public release; distribution is unlimited.

Report Classification: Unclassified

Collection: Technical Reports

Title: (U) RESEARCH AND EXPERIMENTATION. 1960 - 1964

PDF URL: (pdf) - 11 MB -

https://www.dtic.mil/DTICOnline/downloadPdf.search?collectionId=tr&docId=AD0627924

Accession Number: AD0627924

Corporate Author: MITRE CORP BEDFORD MA

Report Date: Mar 1965

Abstract: (U) The technical work reported here results from direct support of systems engineering or systems planning projects, and some relates to research expected to have a broad application to existing problems or to the advancement of science and technology. The research and experimentation activities are divided into nine technological areas: Sensor systems; communications systems; environmental factors; computer and display technology; systems design laboratory; information processing techniques; information transfer; systems studies; and mathematical studies.

Abstract Classification:Unclassified

Pages:119 Page(s)

Report Number: M65-1A *(M651A)* , ESD - TR-65-407 ESD *(ESDTR65407)* , XC - TR-65-407 ESD *(XCTR65407)*

Monitor Series: TR-65-407 *(TR65407)* , ESD

Contract/Grant/Transfer Number: AF19(628)-2390 *(AF196282390)* , AF33(600)-39852 *(AF3360039852)*

FOIA U2 Display

Distribution/Classification

Distribution Code:01 - APPROVED FOR PUBLIC RELEASE

Distribution Statement:Approved for public release; distribution is unlimited.

Report Classification: Unclassified

Collection: Technical Reports

Title: (U) CURRENT SPACE AGE ACRONYMS AND ABBREVIATIONS MOST COMMONLY USED IN THE M.A.C. ENGINEERING LIBRARY

PDF URL: (pdf) - 3 MB -

https://www.dtic.mil/DTICOnline/downloadPdf.search?collectionId=tr&docId=AD0625208

Accession Number: AD0625208

Personal Author(s): Bonnell, M ; Carr, W ; Lauer, C ; Marshall, R

Corporate Author: MCDONNELL AIRCRAFT CORP ST LOUIS MO

Report Date: 15 Aug 1964

Pages:76 Page(s)

Report Number: XD - DOD *(XD)*

Monitor Series: DOD

FOIA U2 Display

Distribution/Classification

Distribution Code:A - UNLIMITED DISTRIBUTION

Secondary Dist:Approved for Public Release; Distribution Unlimited.

Export Control:No

For Pay:No

Copyrighted - No Govt Rights:No

Classification:UNCLASSIFIED

Collection: TEMS

Title: Current Space Age Acronyms And Abbreviations Most Commonly Used In The M.a.c. Engineering Library.

PDF URL:

https://www.dtic.mil/DTICOnline/downloadPdf.search?collectionId=tems&docId=CBRNIAC-CB-128795

Accession Number:CBRNIAC-CB-128795

IAC Report Name:CB-128795 *CB128795*

Personal Author(s): Bonnell, M.; Carr, W.; Lauer, C.; Marshall, R.

Performing Organization:MCDONNELL AIRCRAFT CORP ST LOUIS MO

Date of Publication:15 Aug 1964

Abstract: (Abstract is unavailable.)

Category:Engineering Report

Pages:60 Page(s)

Site:CBRNIAC

DTIC AD Number:625208

Report ID - Performing Org.:IDEP 347100000F402 *IDEP347100000F402*

FOIA U2 Display

Distribution/Classification

Distribution Code:A - UNLIMITED DISTRIBUTION

Secondary Dist:Approved for Public Release; Distribution Unlimited.

Export Control:No

For Pay:No

Copyrighted - No Govt Rights:No

Classification:UNCLASSIFIED

Collection: TEMS

Title: Nets Of Threshold Elements.

PDF URL:

https://www.dtic.mil/DTICOnline/downloadPdf.search?collectionId=tems&docId=CBRNIAC-CB-128776

Accession Number:CBRNIAC-CB-128776

IAC Report Name:CB-128776 *CB128776*

Personal Author(s): Krohn, Kenneth; Rhodes, John

Performing Organization:CALIFORNIA UNIV BERKELEY DEPT OF MATHEMATICS

Date of Publication:04 Jun 1964

Abstract: The authors obtain several theoretical results concerning properties of the transition function given by a finite net of threshold elements. In particular, they are able to give an exact characterization of these transition functions solely in terms of the Boolean Ring. Specializing this result we find necessary and sufficient conditions that a Boolea function is realizable by a single threshold element. Also they furnish axioms for the transition functions of McCulloch-Pitts Nets, etc.

Category:Technical Report

Pages:14 Page(s)

Site:CBRNIAC

Contract / Grant ID:NONR-4138(00); AF-AFOSR-848-65 *NONR413800AFAFOSR84865*

DTIC AD Number:641541

FOIA U2 Display

Distribution/Classification

Distribution Code:01 - APPROVED FOR PUBLIC RELEASE

Distribution Statement:Approved for public release; distribution is unlimited.

Report Classification: Unclassified

Collection: Technical Reports

Title: (U) ENGINEERING AND DESIGN, UTILIZATION OF NUCLEAR POWER PLANTS IN UNDERGROUND INSTALLATIONS

PDF URL: (pdf) - 1 MB -

https://www.dtic.mil/DTICOnline/downloadPdf.search?collectionId=tr&docId=AD0406321

Accession Number: AD0406321

Corporate Author: ENGINEER CORP TECHNICAL COMMITTEE WASHINGTON DC

Report Date: Apr 1963

Abstract: (U) Information is presented on the utilization of nuclear power plants in underground installations and for guidance in the design of under ground installations and it is applicable to all elements of the Corps of Engineers having this responsibility. The manual provides information on nuclear power to assist Corps of Engineers personnel in selecting the source of power for an underground installation that might be required to operate in a buttoned-up status, i.e., a completely closed and isolated situation over a period of days or weeks. The under ground installation may be utilized for missile sites, command centers, communication centers, or storage facilities.

Abstract Classification:Unclassified

Pages:43 Page(s)

Report Number: EM-1110-345-950 *(EM1110345950)* , XA - COE *(XA)*

Monitor Series: COE

FOIA U2 Display

Distribution/Classification

Distribution Code:01 - APPROVED FOR PUBLIC RELEASE , 23 - AVAILABILITY: DOCUMENT PARTIALLY ILLEGIBLE

Distribution Statement:Approved for public release; distribution is unlimited. Document partially illegible.

Report Classification: Unclassified

Collection: Technical Reports

Title: (U) EXPLOSIONS IN VACUUM

PDF URL: (pdf) - 1 MB -

https://www.dtic.mil/DTICOnline/downloadPdf.search?collectionId=tr&docId=AD0294985

Accession Number: AD0294985

Personal Author(s): LUTZKY, MORTON

Corporate Author: NAVAL ORDNANCE LAB WHITE OAK MD

Report Date: Nov 1962

Pages:41 Page(s)

Report Number: NOLTR-62-19 *(NOLTR6219)* , XB - NOL *(XB)*

Monitor Series: NOL

FOIA U2 Display

Distribution/Classification

Distribution Code:01 - APPROVED FOR PUBLIC RELEASE

Distribution Statement:Approved for public release; distribution is unlimited.

Report Classification: Unclassified

Collection: Technical Reports

Title: (U) Effect of Airfoil Profile of Symmetrical Sections on the Low-Speed Rolling Derivatives of 45 deg Sweptback-Wing Models of Aspect Ratio 2.61

PDF URL: (pdf) - 1 MB -

https://www.dtic.mil/DTICOnline/downloadPdf.search?collectionId=tr&docId=ADA801242

Accession Number: ADA801242

Personal Author(s): Letko, William ; Brewer, Jack D

Corporate Author: NATIONAL AERONAUTICS AND SPACE ADMIN LANGLEY RESEARCH CENTER HAMPTON VA

Report Date: 04 Mar 1949

Abstract: (U) An investigation was made in the Langley stability tunnel to determine the effect of airfoil profile of symmetrical sections on the rolling derivatives of three untapered wings having 45 deg sweepback. The wings had the following profiles normal to the leading edge: biconvex (12% thick), NACA 65 sub 1 -012, and NACA 0012. The AR for each wing was 2.61. Calculations were made to determine the effect of different wing profiles on the stability boundaries and motions at subsonic speeds of a typical transonic airplane configuration. Results indicate that increasing the sharpness of the leading edge of the airfoil decreased the range of lift coefficients over which the derivatives maintained their initial trends and usually decreased the maximum values of the derivatives obtained in the unstalled range. Results of the calculations of the dynamic stability of the airplane configuration show only small changes in stability due to changes in airfoil profile.

Abstract Classification:Unclassified

Descriptive Note: Research memo.

Pages:36 Page(s)

Report Number: NACA-RM-L8L31A *(NACARML8L31A)* , XG - NACA *(XG)*

Monitor Series: NACA

FOIA U2 Display

Distribution/Classification

Distribution Code:01 - APPROVED FOR PUBLIC RELEASE

Distribution Statement:Approved for public release; distribution is unlimited.

Report Classification: Unclassified

Collection: Technical Reports

Title: (U) Charts for Helicopter-Performance Estimation

PDF URL: (pdf) - 2 MB -

https://www.dtic.mil/DTICOnline/downloadPdf.search?collectionId=tr&docId=ADA800942

Accession Number: ADA800942

Personal Author(s): Talkin, Herbert W

Corporate Author: NATIONAL AERONAUTICS AND SPACE ADMIN LANGLEY RESEARCH CENTER HAMPTON VA

Report Date: Aug 1945

Descriptive Note: Wartime rept.

Pages:73 Page(s)

Report Number: NACA-WR-L-283 *(NACAWRL283)* , NACA-ACR-L5E04 *(NACAACRL5E04)* , XG - NACA *(XG)*

Monitor Series: NACA

FOIA U2 Display

Distribution/Classification

Distribution Code:01 - APPROVED FOR PUBLIC RELEASE

Distribution Statement:Approved for public release; distribution is unlimited.

Report Classification: Unclassified

Collection: Technical Reports

Title: (U) Investigation of Diving Moments of a Pursuit Airplane in the Ames 16-foot High-Speed Wind Tunnel

PDF URL: (pdf) - 30 MB -

https://www.dtic.mil/DTICOnline/downloadPdf.search?collectionId=tr&docId=ADA800790

Accession Number: ADA800790

Personal Author(s): Erickson, Albert L

Corporate Author: NATIONAL AERONAUTICS AND SPACE ADMINISTRATION MOFFETT FIELD CA AMES RESEARCH CENTER

Report Date: Oct 1942

Descriptive Note: Wartime rept.

Pages:95 Page(s)

Report Number: NACA-WR-A-65 *(NACAWRA65)*

FOIA U2 Display

Distribution/Classification

Distribution Code:01 - APPROVED FOR PUBLIC RELEASE

Distribution Statement:Approved for public release; distribution is unlimited.

Report Classification: Unclassified

Collection: Technical Reports

Title: (U) The Coast Artillery Journal. Volume 73, Number 1, July 1930

PDF URL: (pdf) - 8 MB -

https://www.dtic.mil/DTICOnline/downloadPdf.search?collectionId=tr&docId=ADA502668

Accession Number: ADA502668

Personal Author(s): Giffin, Stewart S ; Miller, Charles R

Corporate Author: COAST ARTILLERY TRAINING CENTER FORT MONROE VA

Report Date: Jul 1930

Abstract: (U) This issue of The Coast Artillery Journal contains the following articles: The Chief of Staff and the Chief of Coast Artillery Address the Graduates of the Coast Artillery School (General Summerall's address on the future responsibilities and mission of the Coast Artillery Corps); Address of Major-General John W. Gulick, Chief of Coast Artillery; Horsemanship at the Coast Artillery School, 1930, by Captain Eugene T. Conway, C.A.C.; Minor Joint Army and Navy Exercises -- Harbor Defenses of Long Island Sound, by Major R. E. Guthrie, C.A.C.; The Formation of the 69th Coast Artillery (AA), by Major G. B. Robison, C.A.C.; The Role of the Army in the Winning of the West, by Colonel S. C. Vestal; Fuels and Power Plants, by Major Sidney S. Winslow, C.A.C.; Searchlights in Air Defence, by Major J. S. Baines, R. E.; and Extracts from the Foreign Military Press (The Journale Militaire Suisse), translated by Colonel George Ruhlen, U.S.A. The remainder of the issue contains the following features: Coast Artillery Activities; Professional Notes on Antiaircraft Materiel to Be Tested at Aberdeen, Antiaircraft Artillery (Italy), Winners of the Knox Trophy, An Underestimated Factor in National Guard Training, and Navy Finds that Low-Wave Sets Are Hazardous; Coast Artillery Board Notes; You Tell Em; Coast Artillery Orders; and book reviews.

Abstract Classification:Unclassified

Descriptive Note: Journal

Pages:103 Page(s)

Report Number: XA - CATC/VA *(XACATCVA)*

Monitor Series: CATC/VA *(CATCVA)*

Highest Classification: Unclassified