



## NTIS Technical Reports Newsletter

**Purpose:** To bring you a sampling of the latest documents added to the NTIS Database and to help you gain a greater understanding of the wealth of scitech information available from the National Technical Information Service.

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National Technical Information Service  
U.S. Department of Commerce  
5285 Port Royal Rd  
Springfield VA 22161

VOLUME 1  
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## Category 63: Detection and Countermeasures

PB2009103565  
**Illuminating the Hidden Planet: The Future of Seafloor Observatory Science.**  
National Research Council.  
2008, 153 pages  
Related Categories/Sub-categories:  
47A (Marine Engineering)  
47B (Dynamic Oceanography)  
47C (Physical & Chemical Oceanography)  
62 (Computers, Control & Information Theory)

PB2009-102676  
**Guide to Bluetooth Security: Recommendations of the National Institute of Standards and Technology.**  
National Institute of Standards and Technology.  
2008, 43 pages  
NIST-SP-800-121  
Related Categories/Sub-categories:  
45C (Common Carrier & Satellite)  
91D (Communications)

PB2009102531  
**Recommendation for the Use of PIV Credentials in Physical Access Control Systems (PACS).**  
National Institute of Standards and Technology.  
2008, 71 pages  
NIST-SP-800-116  
Related Categories/Sub-categories:  
45C (Common Carrier & Satellite)  
62 (Computers, Control & Information Theory)  
70 (Administration & Management)  
70F (Public Administration & Government)

PB2009100627  
**Attenuation of Radio Wave Signals Coupled Into Twelve Large Building Structures.**  
National Institute of Standards and Technology.  
2008, 237 pages  
NIST/TIN-1545  
Related Categories/Sub-categories:  
45C (Common Carrier & Satellite)

PB2008111650  
**Homeland Security: First Responders' Ability to Detect and Model Hazardous Releases in Urban Areas is Significantly Limited.**  
Government Accountability Office.  
2008, 79 pages  
GAO-08-180

Related Categories/Sub-categories:  
43D (Police, Fire, & Emergency Services)  
44 (Health Care),  
44P (Health Education & Manpower Training)  
68 (Environmental Pollution & Control)  
74 (Military Sciences)  
74D (Chemical, Biological, & Radiological Warfare)  
74H (Nuclear Warfare)  
91I (Emergency Services & Planning)

PB2009101384  
**Instrumentation Recommendations for Volcano Monitoring at U.S. Volcanoes Under the National Volcano Early Warning System.**  
U.S. Geological Survey.  
2008, 56 pages  
USGS/SIR-2008-5114  
Related Categories/Sub-categories:  
48 (Natural Resources & Earth Sciences)  
48F (Geology & Geophysics)  
97P (Geothermal Energy)

N20080015830  
**Initial Noise Assessment of an Embedded-wing-propulsion Concept Vehicle.**  
National Aeronautics and Space Administration.  
2008, 71 pages  
NASA/CR--2008-215140, E-16302  
Related Categories/Sub-categories:  
51C (Aircraft)  
51F (Test Facilities & Equipment)  
63A (Acoustic Detection)

DE2008929123  
**Reflectors for SAR Performance Testing.**  
Department of Energy.  
2008, 57 pages  
SAND2008-0396  
Related Categories/Sub-categories:  
46 General-(Physics)  
74 General-(Military Sciences)

ADA489120  
**Ontological Approach to Developing Information Operations Applications for Use on the Semantic Web.**  
Department of Defense.  
Date: Sep 2008, 147 pages  
Related Categories/Sub-categories:  
62B (Computer Software)  
74G (Military Operations, Strategy, & Tactics)  
88B (Information Systems)



## Category 63: Detection and Countermeasures

ADA489030

Standardized UXO Technology Demonstration Site Moguls Scoring Record Number 907 (Sky Research, Inc.).

Department of Defense.

2008, 46 pages

ATC-9775

Related Categories/Sub-categories:

79A (Ammunition, Explosives, & Pyrotechnics)

94K (Laboratory & Test Facility Design & Operation)

ADA488979

Enhanced Detection of Orthogonal Radar Waveforms Using Time-Frequency and Bi-Frequency Signal Processing Techniques.

Department of Defense.

2008, 135 pages

Related Categories/Sub-categories:

62 (Computers, Control & Information Theory)

ADA488877

E-Bomb: The Key Element of the Contemporary Military-Technical Revolution.

Department of Defense.

2008, 213 pages

Related Categories/Sub-categories:

74 (Military Sciences)

## Category 74: Military Science

PB2009103583

Treatment of Posttraumatic Stress Disorder: An Assessment of the Evidence.

National Research Council.

2008, 224 pages

Related Categories/Sub-categories:

92B (Psychology)

PB2009103362

Audit of the Veterans Health Administration's Domiciliary Safety, Security and Privacy.

Department of Veterans Affairs.

2008, 41 pages

VA-08-01030-05

Related Categories/Sub-categories:

44D (Health Care Assessment & Quality Assurance)

57U (Public Health & Industrial Medicine)

70F (Public Administration & Government)

PB2009-102300

Epidemiologic Studies of Veterans Exposed to Depleted Uranium: Feasibility and Design Issues.

Department of Veterans Affairs.

2008, 58 pages

Related Categories/Sub-categories:

57U (Public Health & Industrial Medicine)

68G (Environmental Health & Safety)

PB2009102299

English-Chinese, Chinese-English Nuclear Security Glossary.

Department of Energy.

2008, 273 pages

Related Categories/Sub-categories:

88E (Reference Materials)

92E (International Relations)

PB2009102297

Review of Directed Energy Technology for Countering Rockets, Artillery, and Mortars (RAM). Abbreviated Version.

National Academy of Sciences.

2008, 42 pages

Related Categories/Sub-categories:

79A (Ammunition, Explosives, & Pyrotechnics)

79H (Rockets)

PB2009102231

Defense Imperatives for the New Administration.

Defense Science Board.

2008, 72 pages

Related Categories/Sub-categories:

70F (Public Administration & Government)

92E (International Relations)

PB2009101379

Conventional Arms Transfers to Developing Nations, 2000-2007 (Updated October 23, 2008).

Congressional Research Service.

2008, 80 pages

See also report for 1999-2006, AD-A472 751.

Related Categories/Sub-categories:

92E (International Relations)

### Major Subject Categories

Category Codes*/Title	New for January Quantity**
41 Manufacturing Technology	45
43 Problem Solving Information for State & Local Governments	233
44 Health Care	108
45 Communication	53
46 Physics	245
47 Ocean Sciences & Technology	100
48 Natural Resources & Earth Sciences	198
49 Electrotechnology	41
50 Civil Engineering	77
51 Aeronautics & Aerodynamics	65
54 Astronomy & Astrophysics	17
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62 Computers, Control & Information Theory	122
63 Detection & Countermeasures	33
68 Environmental Pollution & Control	189
70 Administration & Management	356
71 Materials Sciences	73
72 Mathematical Sciences	81
74 Military Sciences	271
75 Missile Technology	4
76 Navigation, Guidance, & Control	8
77 Nuclear Science & Technology	126
79 Ordnance	32
81 Combustion, Engines, & Propellants	27
82 Photography & Recording Devices	3
84 Space Technology	42
85 Transportation	249
88 Library & Information Sciences	37
89 Building Industry Technology	24
90 Government Inventions for Licensing	2
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92 Behavior & Society	399
94 Industrial & Mechanical Engineering	50
95 Biomedical Technology & Human Factors	42
96 Business & Economics	256
97 Energy	168
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\* For a listing of Scope Notes that defines the specific topical content for each category, go to <http://www.ntis.gov/assets/pdf/scopenotes.pdf>

\*\* Quantities represent each new report assigned on average to 3-5 categories.

## Category 74: Military Science

PB2009101359

FY 2009 National Defense Authorization Act: Selected Military Personnel Policy Issues (Updated September 30, 2008).

Congressional Research Service.

2008, 32 pages

See also report dated 21 Jul 08, AD-A487 553.

Related Categories/Sub-categories:

70D (Personnel Management, Labor Relations & Manpower Studies)

88D (Personnel)

91I (Emergency Services & Planning)

92A (Job Training & Career Development)

PB2009101358

Cost of Iraq, Afghanistan, and Other Global War on Terror Operations Since 9/11 (Updated October 15, 2008).

Congressional Research Service.

2008, 68 pages

See also report dated 14 Jul 08, AD-A484 790.

Related Categories/Sub-categories:

92E (International Relations)

96 (Business & Economics)

PB2009101116

National Security Strategy: Legislative Mandates, Execution to Date, and Considerations for Congress (Updated September 23, 2008).

Congressional Research Service.

2008, 27 pages

Related Categories/Sub-categories:

70F (Public Administration & Government)

92E (International Relations)

ADA489619

Measuring the Strategic Value of the Armed Forces Health Longitudinal Technology Application (AHLTA).

Department of Defense.

2008, 122 pages

Related Categories/Sub-categories:

57E (Clinical Medicine)

70D (Personnel Management, Labor Relations & Manpower Studies),

88B (Information Systems)

88D (Personnel)

92A (Job Training & Career Development)

ADA489593

Iraqi Navy: Capability Requirements and Force Structure Recommendations for 2015 and Beyond.

Department of Defense.

2008, 53 pages

CNA-CRM-D0017253.A4-REV.1

Related Categories/Sub-categories:

92E (International relations)

ADA489548

Planning for Diversity: Options and Recommendations for DoD Leaders.

Department of Defense.

2008, 133 pages

Related Categories/Sub-categories:

70D (Personnel Management, Labor Relations & Manpower Studies)

88D (Personnel)

92A (Job Training & Career Development)

92C (Social Concerns)

ADA489545

Enhancing Small-Business Opportunities in the DoD.

Department of Defense.

2008, 128 pages

Related Categories/Sub-categories:

70B (Management Practice)

96 (Business & Economics)

ADA489455

USMC Ground Ammunition Requirements Study.

Department of Defense.

2008, 205 pages

Related Categories/Sub-categories:

79A (Ammunition, Explosives, & Pyrotechnics)

ADA489422

Interrogation: World War II, Vietnam, and Iraq.

Department of Defense.

2008, 264 pages

Related Categories/Sub-categories:

57T (Psychiatry)

92B (Psychology)

92D (Education, Law, & Humanities)

ADA489297

In the Middle of the Fight: An Assessment of Medium-Armored Forces in Past Military Operations.

Department of Defense.

2008, 338 pages

Related Categories/Sub-categories:

79B (Armor)

85 (Transportation)

ADA489288

Thinking About America's Defense. An Analytical Memoir.

Department of Defense.

2008, 284 pages

Related Categories/Sub-categories:

95E (International Relations)

DE2008932875

Mechanical Considerations and Design Skills.

Department of Energy.

2008, 67 pages

SAND2008-1124

Related Categories/Sub-categories:

77 (Nuclear Science & Technology)

94 (Industrial & Mechanical Engineering)

DE2008933184

Global Nuclear Energy Partnership Waste Treatment Baseline. Atalante.

Department of Energy.

2008, 10 pages

INL/CON-08-13917

Related Categories/Sub-categories:

77G (Radioactive Wastes & Radioactivity)

92E (International Relations)

DE2008934925

U.S. Support Program to IAEA Safeguards Priority of Containment and Surveillance.

Department of Energy.

2008, 10 pages

BNL-81277-2008-CP

Related Categories/Sub-categories:

77 (Nuclear Science & Technology)

### Key to Database Fields Used

The following NTIS database fields are used in this short listing of recently acquired technical reports.

**NTIS Order Number**

**Title**

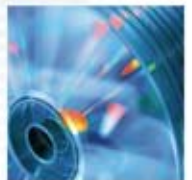
**Source**

**Report Year, Page Count**

**Report Number/ISBN13 (if available)**

**Related Categories/Sub-categories**

**(where the document is also indexed)**



## Category 75: Missile Technology

PB2008108283

Defense Acquisitions: Assessments of Selected Weapon Programs.

Government Accountability Office.

2008, 205 pages

GAO-08-467SP

Related Categories/Sub-categories:

70E (Research Program Administration & Technology Transfer)

70F (Public Administration & Government)

79 (Ordnance)

ADA476139

Long-Range Ballistic Missile Defense in Europe (2008).

Congressional Research Service.

2008, 20 pages

Related Categories/Sub-categories:

92E (International Relations)

ADA476717

Relating Vorticity Confinement to the Menter Shear Stress Transport Turbulence Model.

Department of Defense.

2008, 20 pages

TR-AMR-SS-08- 1 1

Related Categories/Sub-categories:

46B (Fluid Mechanics)

51A (Aerodynamics)

62B (Computer Software)

ADA477007

Research in Advanced Surface Effect Ships.

Department of Defense.

2008, 26 pages

Related Categories/Sub-categories:

71F (Composite Materials)

97K (Fuels)

ADA477526

North Korean Ballistic Missile Program.

Department of Defense.

2008, 104 pages

Related Categories/Sub-categories:

74D (Chemical, Biological, & Radiological Warfare)

74H (Nuclear Warfare)

92E (International Relations)

ADA477531

Nuclear, Biological, and Chemical Weapons and Missiles: Status and Trends.

Congressional Research Service.

2008, 32 pages

Related Categories/Sub-categories:

74D (Chemical, Biological, & Radiological Warfare)

74H (Nuclear Warfare)

92 (Behavior & Society)

92E (International Relations)

ADA478594

Evaluating Novel Threats to the Homeland. Unmanned Aerial Vehicles and Cruise Missiles.

Department of Defense.

2008, 131 pages

Related Categories/Sub-categories:

51C (Aircraft)

91I (Emergency Services & Planning)

ADA479609

Defense Acquisitions; Assessment of Progress Made on Block 2006 Missile Defense Capabilities and Oversight.

General Accountability Office.

2008, 20 pages

GAO-08-608T

Related Categories/Sub-categories:

70B (Management Practice)

74E (Logistics, Military Facilities, & Supplies)

70B (Management Practice)

96 (Business & Economics)

ADA480714

Swerve Response of Projectiles to Control Input.

Department of Defense.

2008, 30 pages

Related Categories/Sub-categories:

79A (Ammunition, Explosives, & Pyrotechnics)

ADA481330

Comparative Analysis Of Guidance Laws for Boost-Phase Ballistic Missile Intercept Using Exo-Atmospheric Kill Vehicles.

Department of Defense.

2008, 61 pages

NPS-CS-08-009

Related Categories/Sub-categories:

84D (Spacecraft Trajectories & Flight Mechanics)

ADA482054

Reconsidering the Rules for Space Security.

Department of Defense.

2008, 99 pages

Related Categories/Sub-categories:

74G (Military Operations, Strategy, & Tactics)

84A (Astronautics)

ADA485863

Iran's Ballistic Missile Programs: An Overview.

Updated July 21, 2008.

Congressional Research Service.

2008, 7 pages

Related Categories/Sub-categories:

92E (International Relations)

## Coming Soon



U.S. Department of Commerce

**National Technical Reports Library**

In early Spring 2009, NTIS will be launching the National Technical Reports Library (NTRL) to further enhance accessibility to the NTIS technical reports collection.

The NTRL will provide access to:

- Bibliographic records of more than 2,000,000 technical reports
- Downloadable full text of 500,000 of these reports in PDF format

Subscription rates will be based on institutional FTE levels.

The NTRL operates on a system interface that allows users to do queries on the large NTIS bibliographic database. The intent is to broadly expand and improve access to over 2.5 million bibliographic records (pre-1960 to present) and 500k full-text documents in PDF Format that are directly linked to that bibliographic database.

**If interested, write us at [ntrnews@ntis.gov](mailto:ntrnews@ntis.gov), subject line NTRL Information; and we will send you more information.**

## Category 76: Navigation, Guidance and Control

PB2009102794

Short Range Aids to Navigation Servicing Guide.  
U.S. Coast Guard.  
2008, 159 pages  
See also AD-715481.

Related Categories/Sub-categories:  
85G (Marine & Waterway Transportation)

PB2009100802

Survey of Symbology for Aeronautical Charts and Electronic Displays: Navigation Aids, Airports, Lines, and Linear Patterns.  
Federal Aviation Administration.  
2008, 72 pages  
DOT-VNTSC-FAA-08-01

Related Categories/Sub-categories:  
51E (Avionics)

PB2008114092

Advanced Surveying and Mapping Technologies: Systems Overview and Applications.  
Federal Highway Administration.  
2008, 41 pages

Related Categories/Sub-categories:  
63F (Optical Detection)  
85F (Global Navigation Systems)  
85H (Road Transportation)

PB2008113767

Integrated Vehicle-Based Safety Systems Preliminary Field Operational Test Plan.  
Department of Transportation.  
2008, 96 pages

Related Categories/Sub-categories:  
63 (Detection & Countermeasures)  
85D (Transportation Safety)  
85H (Road Transportation)

PB2008111446

Nautical Almanac for the Year 2009.  
U.S. Naval Observatory  
2009, 354 pages

Related Categories/Sub-categories:  
48 (Natural Resources & Earth Sciences)

PB2008110405

Interim Guidance for Developing Global Positioning System Data Collection Standard Operating Procedures and Quality Assurance Project Plans. Revision 1.0.  
Environmental Protection Agency.  
2008, 66 pages  
EPA/600/R-08/020

Related Categories/Sub-categories:  
62B (Computer Software)  
63 (Detection & Countermeasures)  
70 (Administration & Management)  
85F (Global Navigation Systems)

ADA488854

Design, Build, and Test a Hand-held GPS Interference Detector.  
Department of Defense.  
2008, 93 pages

Related Categories/Sub-categories:  
63B (Electromagnetic & Acoustic Countermeasures)  
63 (Detection & Countermeasures)

ADA488587

Optimizing Terminal Conditions Using Geometric Guidance for Low-Control Authority Munitions.  
Department of Defense.  
2008, 122 pages  
CSDL-T-1610

Related Categories/Sub-categories:  
63 (Detection & Countermeasures)  
75B (Missile Guidance & Control Systems)

ADA487988

Development and Flight Test of a Robust Optical-Inertial Navigation System Using Low-Cost Sensors.  
Department of Defense.  
2008, 295 pages  
AFIT/GE/ENG/08-19

ADA486903

Collision Avoidance for UAVs Using Optic Flow Measurement With Line of Sight Rate Equalization and Looming.  
Department of Defense  
2008, 135 pages  
AFIT/GE/ENG/08-26  
Related Categories/Sub-categories:  
51C (Aircraft)  
62 (Computers, Control & Information Theory)  
63C (Infrared & Ultraviolet Detection)

ADA485142

Effects of Multipath and Oversampling on Navigation Using Orthogonal Frequency Division Multiplexed Signals of Opportunity.  
Department of Defense.  
2008, 124 pages  
AFIT/GE/ENG/08-25  
Related Categories/Sub-categories:  
45C (Common Carrier & Satellite)  
85F (Global Navigation Systems)

ADA484265

GPS and Galileo: Friendly Foes.  
Department of Defense.  
2008, 84 pages  
Related Categories/Sub-categories:  
84G (Unmanned Spacecraft)  
92 (Behavior & Society)  
96 (Business & Economics)

ADA483493

Expanding the Targeting Process into the Space Domain.  
Department of Defense.  
2008, 55 pages

Related Categories/Sub-categories:  
45C (Common Carrier & Satellite)  
74 (Military Sciences)  
84 (Space Technology)  
85F (Global Navigation Systems)

ADA483046

Constellation Design of Geosynchronous Navigation Satellites Which Maximizes Availability and Accuracy Over a Specified Region of the Earth.  
Department of Defense.  
2008, 149 pages  
AFIT/GSS/ENG/08-01  
Related Categories/Sub-categories:  
45C (Common carrier and satellite)

ADA482997

Novel Communications Protocol Using Geographic Routing for Swarming UAVs Performing a Search Mission.  
Department of Defense.  
2008, 126 pages  
AFIT/GCS/ENG/08-14  
Related Categories/Sub-categories:  
45C (Common Carrier & Satellite)  
51C (Aircraft)  
62B (Computer Software)

ADA482873

System Analysis and Design of a Low-Cost Micro-mechanical Seeker System.  
Department of Defense.  
2008, 141 pages  
CI08-0019  
Related Categories/Sub-categories:  
46E (Structural Mechanics)  
96 (Business & Economics)

ADA481056

Modeling GPS Satellite Orbits Using KAM Tori.  
Department of Defense.  
2008, 87 pages  
Related Categories/Sub-categories:  
84G (Unmanned Spacecraft)

ADA479906

Modeling Airport Ground Operations using Discrete Event Simulation (DES) and X3D Visualization.  
Department of Defense.  
2008, 113 pages  
Related Categories/Sub-categories:  
51B (Aeronautics)  
85A (Air Transportation)  
92A (Job Training & Career Development)

**RSS Feeds Now Available** in your choice of NTIS Subject Category.

For information go to <http://www.ntis.gov/>  
and look for the Category RSS Feeds button.



## Category 77: Nuclear Science and Technology

PB2009102427

Nuclear Safety: Department of Energy Needs to Strengthen Its Independent Oversight of Nuclear Facilities and Operations.

Government Accountability Office.

2008, 117 pages

GAO-09-61

Related Categories/Sub-categories:

57U (Public Health & Industrial Medicine)

97G (Policies, Regulations & Studies)

PB2009100875

Fusion Yearbook: Association Euratom-Tekes, Annual Report 2007.

Valtion Teknillinen Tutkimuskeskus, Espoo (Finland).

2008, 156 pages

VTT-PUBS-678, ISBN-978-951-38-7091-1,

ISBN-978-951-38-7092-8

Related Categories/Sub-categories:

77A (Thermonuclear Fusion Devices)

77J (Reactor Materials)

46 (Physics)

97Q (Selected Studies In Nuclear Technology)

PB2009100543

Nuclear Waste: Action Needed to Improve Accountability and Management of DOE's Major Cleanup Projects.

Government Accountability Office.

2008, 60 pages

GAO-08-1081

Related Categories/Sub-categories:

68F (Radiation Pollution & Control)

91A (Environmental Management & Planning)

PB2008111709

Nuclear Safety: NRC's Oversight of Fire Protection at U.S. Commercial Nuclear Reactor Units Could Be Strengthened.

Government Accountability Office.

2008, 45 pages

GAO-08-747

Related Categories/Sub-categories:

91C (Fire services)

PB2008111435

Green Remediation: Incorporating Sustainable Environmental Practices into Remediation of Contaminated Sites.

Environmental Protection Agency.

2008, 56 pages

EPA/542/R-08-002

Related Categories/Sub-categories:

68C (Solid Wastes Pollution & Control)

68F (Radiation Pollution & Control)

PB2008107941

Radiological Laboratory Sample Analysis Guide for Incidents of National Significance Radionuclides in Water.

Environmental Protection Agency. Performing Organization: National Air and Radiation

Environmental Lab., Montgomery, AL.

2008, 80 pages

EPA/402/R-07/007

Related Categories/Sub-categories:

68D (Water Pollution & Control)

68F (Radiation Pollution & Control)

NUREG/CR6973

Technical Basis for Assessing Uranium Bioremediation Performance.

Nuclear Regulatory Commission.

2008, 118 pages

Related Categories/Sub-categories:

68F (Radiation Pollution & Control)

DE2008937205

United States Department of Energy Waste Processing Annual Technology Development Report, 2007.

Department of Energy.

2008, 76 pages

SRNS-STI-2008-00040

Related Categories/Sub-categories:

68 (Environmental Pollution & Control)

DE2008935758

Earth Sciences Division Research Summaries, 2006-2007.

Department of Energy.

2008, 188 pages

LBNL-771E

Related Categories/Sub-categories:

48 (Natural Resources & Earth Sciences)

68 (Environmental Pollution & Control)

70E (Research Program Administration &

Technology Transfer)

DE2008935332

FES Science Network Requirements - Report of the Fusion Energy Sciences Network Requirements Workshop Conducted March 13 and 14, 2008.

Department of Energy.

2008, 43 pages

LBNL-644E

Related Categories/Sub-categories:

70E (Research Program Administration &

Technology Transfer)

DE2008934855

Spent Fuel Sabotage Test Program, Characterization of Aerosol Dispersal: Interim Final Report.

Department of Energy.

2008, 99 pages

SAND2007-8070

Related Categories/Sub-categories:

97Q (Selected studies in nuclear technology)

DE2008934408

Pulse Jet Mixer Overblow Testing for Assessment of Loadings During Multiple Overblows.

Department of Energy.

2008, 189 pages

PNNL-17231

Related Categories/Sub-categories:

68F (Radiation Pollution and Control)

DE2008933178

Impact Tensile Testing of Stainless Steels at Various Temperatures.

Department of Energy.

2008, 162 pages

INL/EXT-08-14082

Related Categories/Sub-categories:

71J (Iron & Iron Alloys)

DE2008933167

Probabilistic Sensitivity and Uncertainty Analysis Workshop Summary Report.

Department of Energy.

2008, 118 pages

WSRC-STI-2008-00333

Related Categories/Sub-categories:

72F (Statistical analysis)

### The Nation's Source for Scientific Information

The National Technical Information Service (NTIS), is the nation's largest and most comprehensive source of government-funded scientific, technical, engineering and business-related information.

For more than 60 years, we have served as an innovative resource to Federal agencies, businesses and universities looking for high-caliber information. Our mission is straightforward: to support the nation's economic growth by providing access to information that stimulates innovation and discovery.

While you can find information on virtually any subject on the web, there's no guarantee that the information is accurate — or that it has been published by a legitimate source. NTIS undergoes a rigorous process to ensure that all the information we offer is authentic and credible. This integrity, along with the breadth and depth of our collection, is why NTIS is regarded as the nation's preeminent source of government information.



## Category 77: Nuclear Science and Technology

ADA478794

U.S. Nuclear Cooperation with India: Issues for Congress. Updated February 12, 2008.  
Congressional Research Service.

2008, 40 pages

Related Categories/Sub-categories:

92E (International Relations)

97Q (Selected studies in nuclear technology)

ADA481059

Discrete Counting of Short Lived Isotopes with Low Background Detectors.

Department of Defense.

2008, 68 pages

AFIT/GNE/ENP/08-M03

Related Categories/Sub-categories:

72F (Statistical Analysis)

ADA481626

Nuclear Power's Role in Generating Electricity.

Congressional Budget Office.

2008, 46 pages

Related Categories/Sub-categories:

96 (Business & Economics)

97I (Electric Power Production)

ADA482586

Comprehensive Nuclear-Test-Ban Treaty: Background and Current Developments.

Congressional Research Service.

2008, 51 pages

Related Categories/Sub-categories:

92E (International Relations)

## Category 79: Ordnance

PB2009102018

Qualitative & Quantitative Analysis of Conducted Energy Devices: TASER X26 vs. Stinger S200.

National Institute of Justice

2008, 117 pages

NCJ-222769

Related Categories/Sub-categories:

43D (Police, Fire, & Emergency Services)

91C (Fire Services, Law Enforcement, & Criminal Justice)

PB2008105957

Conducted Energy Devices: Development of Standards for Consistency and Guidance.

Department of Justice.

2008, 64 pages

Related Categories/Sub-categories:

43D (Police, Fire, & Emergency Services)

91C (Fire Services, Law Enforcement & Criminal Justice)

ADA488600

Standardized UXO Technology Demonstration Site Open Field Scoring Record No. 901 (Sky Research, Inc.).

Department of Defense.

2008, 68 pages

ATC-9791

Related Categories/Sub-categories:

68C (Solid waste pollution and control)

74 (Military Sciences)

ADA488340

Blast and Fragment Protective Sandwich Panel Concepts for Stainless Steel Monohull Designs.

Department of Defense.

2008, 258 pages

Related Categories/Sub-categories:

44G (Environmental & Occupational Factors)

71N (Nonferrous Metals & Alloys)

89D (Structural Analyses)

ADA487506

Lead Free Frangible Ammunition Exposure at United States Air Force Small Arms Firing Ranges, 2005 - 2007.

Department of Defense.

2008, 56 pages

IOH-RS-BR-TR-2008-0002

Related Categories/Sub-categories:

44G (Environmental and occupational factors)

57U (Public health and industrial medicine)

74 (Military sciences)

ADA487461

Bacterial Degradation of Nitrogenous Energetic Compounds (NEC) in Coastal Waters and Sediments.

Department of Defense.

2008, 59 pages

NRL/MR/6110-08-9139

Related Categories/Sub-categories:

48G (Hydrology & Limnology)

57B (Biochemistry)

57H (Ecology)

57K (Microbiology)

68D (Water Pollution & Control)

68G (Environmental Health & Safety)

ADA487255

Pylon Effects on a Scramjet Cavity Flameholder Flowfield.

Department of Defense.

2008, 204 pages

AFIT/DS/ENY/0804

Related Categories/Sub-categories:

81D (Jet & Gas Turbine Engines)

ADA486404

Qualification of Trivalent Chromate as a Hexavalent Chromate Alternative for Propellant and Cartridge Actuated Devices.

Department of Defense.

2008, 62 pages

IHTR-2922

Related Categories/Sub-categories:

71E (Coatings, Colorants, & Finishes)

99D (Basic & Synthetic Chemistry)

ADA486382

Dredging in Sediments Containing Munitions and Explosives of Concern (MEC).

Department of Defense.

2008, 241 pages

ERDC/CHL-TR-08-12

Related Categories/Sub-categories:

50B (Civil Engineering)

ADA485659

Mechanical Properties of EPON 826/DEA Epoxy.

Department of Defense.

2008, 26 pages

AFRL-RW-EG-TP-2008-7418

Related Categories/Sub-categories:

71F (Composite Materials)

99B (Industrial Chemistry & Chemical Process Engineering)

ADA485255

Design of 50MM Powder to Air to Light Gas Gun Converter.

Department of Defense.

2008, 37 pages

Related Categories/Sub-categories:

81H (Rocket propellants)

75C (Missile launching and support systems)

### Subject Category Codes/Classification

NTIS classifies citations into 39 subject categories. Each of these subject categories is divided into subcategories. This method provides sorting categories for both hard and soft sciences. All subject categories consist of three character codes: two numerics and one alpha character. The numeric codes represent entire categories, the alpha codes are used to designate subcategories within these broad categories. The number of NTIS subcategories posted to an information product average from one to five, although there are some reports with more.