



Appendix E

Technical Assistance and Planning Resources State of North Carolina



- Local Government Resources
- Department of Defense
- US Navy and Marine Corps
- US Air Force
- Other Federal Agencies



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Appendix E

This section of the Handbook provides an overview of the key planning resources available to help local and military planners with compatibility planning. This section highlights key planning and technical resources (designated with the reference symbol ) and the agencies and organizations involved in land and resource planning in North Carolina (designated by an information symbol )

These resources are divided into the following subsections:

- State of North Carolina
- Local Governments
- Department of Defense
- US Army
- US Navy / Marine Corps
- US Air Force
- US Coast Guard
- Other Federal Agencies

H.1 State of North Carolina

North Carolina Department of Environmental Quality (DEQ) Division of Air Quality

The Division of Air Quality (DAQ) works with the state's citizens to protect and improve outdoor, or ambient, air quality in North Carolina for the health, benefit and economic well-being of all. To carry out this mission, the DAQ operates a statewide air quality monitoring network to measure the level of pollutants in the outdoor air, develops and implements plans to meet future air quality initiatives, assures compliance with air quality rules, and educates, informs and assists the public with regard to air quality issues.

Mailing Address:

1601 Mail Service Center
Raleigh, NC 27699-1641

Office / Phone / Website:

217 W. Jones Street
Raleigh, NC 27603
919.707.8400
877.623.6748

<http://deq.nc.gov/about/divisions/air-quality>

North Carolina Environmental Quality Division of Coastal Management

The Division of Coastal Management works to protect, conserve and manage North Carolina's coastal resources through an integrated program of planning, permitting, education and research. DCM carries out the state's Coastal Area Management Act, the Dredge and Fill Law and the federal Coastal Zone Management Act of 1972 in the 20 coastal



counties, using rules and policies of the N.C. Coastal Resources Commission, known as the CRC. The division serves as staff to the CRC.

Mailing Address:

1638 Mail Service Center
Raleigh, NC 27699-1638

Office / Phone (Headquarters) / Website:

400 Commerce Ave.
Morehead City, NC 28557
252.808.2808
888.472.6278

<http://deq.nc.gov/about/divisions/coastal-management>

The Division of Coastal Management also has regional office located throughout North Carolina's coastal regions. The location of these offices can be found on the agency's web site at the following address:

<http://deq.nc.gov/about/divisions/coastal-management/about-coastal-management/dcm-offices-program-areas>

① North Carolina Department of Environmental Quality

The NC Department of Environmental Quality (DEQ) works to protect North Carolina's environment and natural resources. DEQ administers regulatory programs designed to protect air quality, water quality, and the public's health. DEQ also offers technical assistance to businesses, farmers, local governments, and the public and encourages responsible behavior with respect to the environment through education programs provided at DEQ facilities and through the state's school system. Through its natural resource divisions, DEQ works to protect fish, wildlife and wilderness areas. The agency helps to make sure drinking water is safe.

Mailing Address:

1601 Mail Service Center
Raleigh, NC 27699-1601

Office / Phone / Website:

217 W. Jones Street
Raleigh, NC 27603
919.707.8600
877.623.6748

<https://www.nc.gov/agencies/environment-natural-resources>



Appendix E

An Overview of Planning in North Carolina August 1998

The overview provides information on [why to plan](#); [how to plan](#) (a quick review of governmental roles in planning, the formal duties of the planning board and, informal considerations for planning board effectiveness); [what planning tools are available](#) (a review of the comprehensive plan and plan implementation tools); and [where to plan](#) (jurisdiction for planning and other levels of government and their effect on local planning). The overview can be downloaded at:

<http://apa-nc.org/wp-content/uploads/2014/04/Planning-in-NC.pdf>

North Carolina Department of Health and Human Services Environmental Health Section

The mission of the Environmental Health Section of the Division of Public Health is to safeguard life, promote human health and protect the environment through the practice of modern environmental health science, the use of technology, rules, public education and above all, dedication to the public trust.

Mailing Address:

1632 Mail Service Center
Raleigh, NC 27699-1632

Office Address / Phone / Website:

5605 Six Forks Rd.
Raleigh, NC 27609
919.707.5854

<http://ehs.ncpublichealth.com/>

North Carolina Department of Natural and Cultural Resources Natural Heritage Program

By consolidating information about hundreds of rare species and natural communities, the North Carolina Natural Heritage Program (NHP) ensures that the public is able to get the information that is needed to weigh the ecological significance of various sites and to evaluate the ecological impacts of development. The information aggregated and shared by NHP, using methodology developed by the Nature Conservancy and maintained by NatureServe, helps project planners and landowners make land use decisions that have the most benefit for society and the economy, while having the least ecological impact. Use our tools and research to better understand the rich natural heritage belonging to the people of our state.

Mailing Address:

1651 Mail Service Center
Raleigh, NC 27699-1651



Office Address / Phone / Website:

121 W. Jones Street
Raleigh, NC 27699
919.707.8107

<http://www.ncnhp.org/>

Planning Board Basics 2010

This primer provides an overview of North Carolina planning boards and zoning decisions. The Planning Boards Basics primer can be downloaded at:

<https://www.nccommerce.com/Portals/2/Documents/CommunityDevelopment/RegionalOffice/WRO/PlanningBoard/WRO%2004%20Supplemental%20Materials.pdf>

North Carolina DEQ Division of Water Resources

The Division of Water Resources, with central offices in Raleigh and seven regional offices located across the state, ensures safe drinking water in accordance with federal requirements, issues pollution control permits, monitors permit compliance, evaluates environmental water quantity and quality, and carries out enforcement actions for violations of environmental regulations. The division's administrative staff and five sections (Public Water Supply, Water Planning, Water Quality Permitting, Water Quality Regional Operations and Water Sciences) administer the laws, policies and rules established by the U.S Environmental Protection Agency, the state's Environmental Management Commission and the N.C. General Assembly, the state legislative body.

Mailing Address:

1611 Mail Service Center
Raleigh, NC 27699-1611

Office Address / Phone / Website:

217 W. Jones Street
Raleigh, NC 27603
919.707.9000

<https://deq.nc.gov/about/divisions/water-resources>

North Carolina Budget and Management State Data Center

The State Data Center is a consortium of agencies cooperating with the US Bureau of the Census to provide the public with data about the state and its component geographic areas. The SDC lead agency is located in the Technology and Data Services Section of OSBM, where it provides extensive resources for retrieving statistical information.



Appendix E

Mailing Address:

MSC 20320
Raleigh, NC 27699-0320

Office Address / Phone / Website:

217 W. Jones Street
Raleigh, NC 27603
919.807.4700

<https://www.osbm.nc.gov/facts-figures/state-data-center/>

H.2 Local Government Resources

① North Carolina Association of Regional Councils of Government (COGs)

The sixteen regional councils in North Carolina serve their member governments through a broad range of services. Some of those are traditional: delivery of federal and state programs in aging, transportation planning, workforce development, community planning – GIS mapping services and convening of regional leaders for problem solving. A more robust range of services has emerged through member demand for administrative and financial services, interim executive management, financial administration, human services program delivery and economic development.

- Southwestern Commission COG: <http://regiona.org/>
- Land of Sky Regional Council: <http://www.landofsky.org/>
- Isothermal Planning & Development Commission: <https://regionc.org/>
- High Country COG: <http://www.regiond.org/>
- Western Piedmont COG: <http://www.wpcog.org/>
- Centralina COG: <http://www.centralina.org/>
- Piedmont Triad Regional Council: <http://www.ptrc.org/>
- Triangle COG: <http://www.tjcog.org/>
- Kerr Tar Regional COG: <http://www.kerrtarcog.org/>
- Upper Coastal Plain COG: <http://www.ucpcog.org/>
- Mid-Carolina COG: <http://www.mccog.org/>
- Lumber River COG: <http://www.lumberrivercog.org/>
- Cape Fear COG: <http://capefearcog.org/>



- Eastern Carolina Council: <http://www.eccog.org/>
- Mid-East Commission: <http://www.mideastcom.org/>
- Albemarle Commission: <http://www.albemarlecommission.org/>

① North Carolina League of Municipalities

The North Carolina League of Municipalities is a nonpartisan association of municipalities in North Carolina. The mission of the League is to enhance the quality of life in municipalities through excellent municipal governance. The League carries out this mission by:

- Providing member services that strengthen and support excellence in municipal government.
- Engaging members, staff and stakeholders in representing municipal issues and interests.
- Developing municipal leaders who can address the needs and interests of their citizens.

For planners, the organization's web site provides a wealth of information on municipalities within the state. From the web site, users can obtain a list of municipalities in the state, links to web sites, and a searchable database of municipality officials.

Office Address / Phone / Website:

150 Fayetteville Street, Suite 300
Raleigh, NC 276011400 K Street, Suite 400
919.715.4000

<https://www.nclm.org/pages/default.aspx>

H.3 Department of Defense (DoD)

① Office of the Secretary of Defense (OSD)

The OSD provides policy guidance, coordination, and management direction for the Department of Defense, as well as management oversight of the Military Services.

Office Address / Phone / Website:

Office of the Assistant Secretary of Defense (Energy, Installations & Environment)
3400 Defense Pentagon, Room 5C646
Washington, DC 20301-3400

703.571.9076

<http://www.acq.osd.mil/eie/>



Appendix E

① Office of Economic Adjustment (OEA)

This agency provides policy guidance, coordination, and management support to communities affected by DOD installations and operations. It also provides technical support related to Base Realignment and Closure (BRAC) and encroachment issues.

The OEA web site offers a wealth of information on programs and references, and has links to web sites applicable to compatibility planning.

Office / Mailing Address / Phone (Headquarters) / Website:

2231 Crystal City Dr., Suite 520
Arlington, VA 22202
703.697-2130

<http://www.oea.gov>

① DoD Regional Environmental Coordinators (REC), Region IV

This agency provides guidance and coordination support to installations and regulatory agencies affected by DoD installations and operations. Their mission is to protect the military's ability to prepare U.S. service men and women to defend our country by working cooperatively with state governments and federal agencies on environmentally related issues to ensure continued access and use of the necessary land, sea and airspace. The Army provides DoD REC support in Region IV which includes North Carolina.

Office / Phone / Website:

Regional Environmental & Energy Office - Southern
60 W. Forsyth St., Rm 10M15
Atlanta, GA 30303
404.562.5023

<http://www.asaie.army.mil/Public/ESOH/REEO/Southern/>

📖 Installation Master Planning

UFC 2-100-01, 15 May 2012

DOD Instruction 4165.70 (Real Property Management) establishes the requirement for installation master plans. The purpose of this UFC is to prescribe the DOD minimum requirements for master planning processes and products in accordance with the DOD instruction. The process is to use the tool of a Master Plan and its components to provide ongoing master planning of installations in support of the mission. DOD planners will use this UFC, the DODI, and applicable agency instructions to prepare master plans and other planning documents.

This technical manual may be found at:

<https://www.wbdg.org/ffc/dod/unified-facilities-criteria-ufc/ufc-2-100-01>



Minimum Antiterrorism Standards for Buildings

UFC 4-010-01, 1 October 2013

This United Facilities Criteria (UFC) provides planning, design, construction, sustainment, restoration, and modernization criteria. It applies to the US Military Departments, the Defense Agencies, and the DoD Field Activities. This publication provides technical criteria for military facilities construction by presenting minimum anti-terrorism/force protection (AT/FP) standards for DoD facilities (e.g., standoff distances, building hardening, proper site planning). Each DoD Service may set more stringent AT/FP building standards to meet the specific threats in its area of responsibility. The overall goal of this UFC is to minimize the likelihood of mass casualties from terrorist attacks against DoD personnel in the buildings in which they work and live. The standards presented in this publication, and in its four appendices, apply to new and existing inhabited facilities.

This publication may be found at:

<https://www.wbdg.org/ffc/dod/unified-facilities-criteria-ufc/ufc-4-010-01>

H.4 US Army

U.S. Army Corps of Engineers (USACE)

The USACE serves the Armed Forces and the Nation by providing vital engineering services and capabilities, as a public service, across the full spectrum of operations—from peace to war—in support of national interests.

Corps missions include six broad areas:

- Civil Works
- Military Missions
- Environmental
- Emergency Ops
- Research & Development
- Sustainability

HQ Office / Phone / Website:

441 G Street NW
Washington DC 20314
202.761.0011

<http://www.usace.army.mil/>



Appendix E

NC Region Office / Phone / Website:

USACE Wilmington District
69 Darlington Ave.
Wilmington, NC 28403
910.251.4625

<http://www.saw.usace.army.mil/?videoid=511150#DVIDSVideoPlayer84078>



Master Planning for Army Installations

AR 210-20, May 16, 2005

This Army Regulation (AR) defines the real property master planning concept and requirement and also establishes policies and responsibilities for implementing the real property master planning process for Army communities. A Real Property Master Plan (RPMP) is the garrison commander's instrument for unifying the planning and programming for an installation's real property management and development. It defines the installation real property master plan digest as a component of the RPMP. It integrates real property master planning with the installation status report, the focused facility strategy, land use controls, and the core sustainable range program elements (the Range and Training Land Program and Integrated Training Area Management Program), the range and training land strategy, integrated natural resources management plan (INRMP), and integrated cultural resources management plan processes.

This publication may be found at:

http://www.apd.army.mil/epubs/DR_pubs/DR_a/pdf/web/r210_20.pdf



Environmental Protection and Enhancement

AR 200-1, December 13 2007

This regulation provides a brief overview of army environmental programs and requirements. It does not provide a complete listing of requirements or detailed guidance on complying with environmental laws and regulations. This regulation supplements federal, state, and local environmental laws for preserving, protecting, and restoring the quality of the environment. It also integrates pollution prevention, natural and cultural resources, and the National Environmental Policy Act (NEPA) into the Army Environmental Program. Chapter 14 outlines the Army Environmental Noise Management Program

This publication may be found at:

http://www.apd.army.mil/epubs/DR_pubs/DR_a/pdf/web/r200_1.pdf

The Army maintains a web site dedicated to its Operational Noise Program at:

<https://phc.amedd.army.mil/organization/hq/dehe/Pages/OperationalNoiseProgram.aspx>



H.5 US Navy and Marine Corps

① Naval Facilities Engineering Command (NAVFACHQ)

This agency provides policy, guidance, coordination, and management of support to Navy and Marine Corps installation and operations, as well as provides technical and contracting support within area of responsibility.

Office Address / Phone / Website:

1322 Patterson Avenue, SE, Suite 1000
Washington Navy Yard, 20374-5065
202.685.9007

<https://www.navfac.navy.mil/>

① Naval Facilities Engineering Mid-Atlantic (NAVFAC Mid-Atlantic)

This agency provides policy, guidance, coordination, and management of support to Navy and Marine installation and operations, as well as provides technical and contracting support within area of responsibility.

Office Address / Phone / Website:

9324 Virginia Avenue
Norfolk, VA 23511-3095
757.341.1431

https://www.navfac.navy.mil/navfac_worldwide/atlantic/fecs/mid-atlantic.html

📖 Range Air Installations Compatible Use Zones (RAICUZ) Program

OPNAVINST 3550.1A, January 28, 2008

The Department of the Navy's RAICUZ program is designed to protect public health, safety, and welfare, and to prevent encroachment from degrading the operational capabilities of air-to-ground ranges. This program is similar to the Air Installations Compatible Use Zones (AICUZ) Program issued by reference (a). The RAICUZ program includes range safety and noise analyses, and provides land use recommendations which will be compatible with Range Compatibility Zones (RCZs) and noise OPNAVINST 3550.1A MCO 3550.11 28 Jan 08 levels associated with the military range operations.

This publication may be found at:

<https://doni.daps.dla.mil/Directives/03000%20Naval%20Operations%20and%20Readiness/03-500%20Training%20and%20Readiness%20Services/3550.1A.pdf>



Appendix E



Air Installations Compatible Use Zones (AICUZ) Program

OPNAVINST 11010.36C, October 9, 2008

This instruction provides Navy policy, procedures, and guidelines for implementation of the AICUZ program. It also establishes centers of excellence on the east and west coasts of the United States. The AICUZ program depends on an active local command effort to work with local, regional, state, other federal agencies, and community leaders to encourage compatible development of land adjacent to military airfields. This document outlines AICUZ study contents, update procedures, and implementation steps.

This publication may be found at:

<https://doni.daps.dla.mil/Directives/11000%20Facilities%20and%20Land%20Management%20Ashore/11-00%20Facilities%20and%20Activities%20Ashore%20Support/11010.36C.pdf>



US Navy BASH Program

OPNAVINST 3750.6S May 13, 2014

OPNAVINST 5090.1D January 10, 2104

OPNAVINST 3750.6R (Chapter 4) outlines the procedures for submitting hazard reports for bird and animal strikes. OPNAVINST 5090.1B is the Environmental and Natural Resources Program Manual. Chapter 22 of this instruction outlines the responsibilities of the Natural Resource Manager to prepare and implement BASH plans for installations with a flying mission. This plan is an integral part of the Integrated Natural Resources Management Plan (INRMP).

These publications may be found at:

OPNAVINST 3750.6S:

<https://doni.daps.dla.mil/Directives/03000%20Naval%20Operations%20and%20Readiness/03-700%20Flight%20and%20Air%20Space%20Support%20Services/3750.6S.pdf>

OPNAVINST 5090.1D:

[https://doni.daps.dla.mil/Directives/05000%20General%20Management%20Security%20and%20Safety%20Ser
vices/05-00%20General%20Admin%20and%20Management%20Support/5090.1D.pdf](https://doni.daps.dla.mil/Directives/05000%20General%20Management%20Security%20and%20Safety%20Services/05-00%20General%20Admin%20and%20Management%20Support/5090.1D.pdf)



Encroachment Management Program

NAVFACINST 11010.40, August 27, 2007

To establish the Chief of Naval Operations (CNO) Encroachment Management program to ensure operational sustainment for all Navy installations, test and training ranges, air and water operating areas (OPAREAs), special use airspace, and military training routes (MTRs). This Encroachment Management program also includes additional guidance for executing the Encroachment Partnering (EP) program established by reference (a), and by previous Navy guidance, references (b) and (c). The EP program provides the Navy with a tool to preserve the Navy's mission capability by preventing incompatible development and/or protecting natural habitats outside the installation.



This publication may be found at:

<https://doni.daps.dla.mil/Directives/11000%20Facilities%20and%20Land%20Management%20Ashore/11-00%20Facilities%20and%20Activities%20Ashore%20Support/11010.40.pdf>

H.6 US Air Force

Air Force Civil Engineer Center (AFCEC)

This agency provides policy, guidance, coordination, and management support to Air Force installations and operations, as well as provides technical and contracting support.

Office / Mailing Address / Phone / Website:

AFCEC
2261 Hughes Ave.
JBSA Lackland, TX 78236
210.925.0956

<http://www.afcec.af.mil/>

AICUZ Program

AFI 32-7063 December 18 2015

This instruction implements: 1) the most recent version of the Department of Defense Instruction (DoDI) 4165.57, Air Installations Compatible Use Zones by identifying the requirements to implement, and maintain the Air Force Air Installations Compatible Use Zones (AICUZ) program, and 2) Air Force Policy Directive (AFPD) 90-20, Encroachment Management, by identifying requirements for compatible land use and development to preserve operational capability.

This publication may be found at:

http://static.e-publishing.af.mil/production/1/af_a4/publication/afi32-7063/afi32-7063.pdf

AICUZ Program Manager's Guide

Air Force Handbook (AFH) 32-7084, March 1, 1999

The Air Installation Compatible Use Zone (AICUZ) Program is a DoD planning program developed in response to growing incompatible development (encroachment) around military airfields. The Air Force AICUZ program policy is to promote compatible land use through participation in local, regional, state and federal land use planning activities and coordination processes. Complaints from local communities over the effects of aircraft operations (e.g., noise, low aircraft overflight, etc.) can lead to operational changes which negatively impact the installation's flying mission. This can ultimately result in the inability of the base to fulfill its mission and lead to base closures. This AF handbook provides an overview of the Air Force AICUZ Program. It details guidance concerning the organizational tasks and procedures necessary to implement the AICUZ program. It is written in a "how to" format to guide a person through



Appendix E

the five phases of an AICUZ study. It also includes a sample AICUZ Study Report, a Citizen Brochure, and an Implementation and Maintenance Plan. The AF handbook summarizes the data collection steps and procedures for developing USAF-approved noise contours. There are five attachments in the AF handbook: (1) a glossary of terms, (2) an explanation of the Day-Night Average Sound Level (DNL), (3) an explanation of Accident Potential Zones (APZ), (4) land use/noise compatibility, and (5) a generic AICUZ study report.

This publication may be found at:

http://static.e-publishing.af.mil/production/1/af_a4_7/publication/afh32-7084/afh32-7084.pdf



Comprehensive Planning

AFI 32-7062, December 18 2015

This instruction provides guidance on implementing the Air Force Comprehensive Planning Program. It improves and integrates installation physical development with the investment planning process, legal requirements, and DoD/AF policies. The cross-functional teaming concept is a critical component in plan development.

This publication may be found at:

http://static.e-publishing.af.mil/production/1/af_a4/publication/afi32-7062/afi32-7062.pdf



Bird/Wildlife Aircraft Strike Hazard (BASH) Management Techniques

AF Pamphlet 91-212, February 1, 2004

This AF Pamphlet (AFPAM) provides guidance for implementing an effective bird/wildlife aircraft strike hazard reduction program. It provides additional information on BASH as specified in AFI 91-202, The US Air Force Mishap Prevention Program.

This publication may be found at:

<http://airportwildlife.com/pdf/afpam91-212.pdf>

H.7 US Coast Guard



Fifth Coast Guard District

The Fifth Coast Guard District ensures the safety and security of the oceans, coastal areas, and marine transportation system within America's Mid-Atlantic Region. They focus on risk reduction and prevention, and response to maritime incidents along 156,000 square miles of ocean, bays, rivers, wetlands and tidal marshes.



Office /Mailing Address / Phone / Website:

431 Crawford Street
Portsmouth, Virginia 23704
757-398-6272

<http://www.atlanticarea.uscg.mil/Our-Organization/District-5/>

📍 Sector North Carolina

Sector North Carolina has oversight of operational Coast Guard missions throughout the entire State of North Carolina. Our primary missions include Search and Rescue, Marine Safety, Ports and Waterways Coastal Security, Marine Environmental Protection, Aids to Navigation, Maritime Law Enforcement, and Recreational Boating Safety.

Office /Mailing Address / Phone:

735 Medical Center Drive
Wilmington, NC 28401
910-343-3876

<http://www.atlanticarea.uscg.mil/Our-Organization/District-5/District-Units/Sector-North-Carolina/>

📖 Local Notice to Mariners

Weekly messages informing the public of Notice to Mariners issued by the Fifth Coast Guard District.

<http://www.atlanticarea.uscg.mil/Our-Organization/District-5/Local-Notice-to-Mariners/>

H.8 Other Federal Agencies

📍 Bureau of Land Management (BLM)

This agency provides policy, guidance, coordination, and management of Federal Lands.

Office /Mailing Address / Phone / Website:

20 M Street Suite 950
Washington DC 20003
202.912.7700

<https://www.blm.gov/eastern-states>

📍 Department of the Interior

This agency provides policy, guidance, coordination, and management of federal lands. The department also oversees several key land management agencies, such as the Bureau of Land Management (BLM).



Appendix E

Office /Mailing Address / Phone (Headquarters) / Website:

1849 C Street, N.W.
Washington DC 20240
202.208.3100

<https://www.doi.gov/>

① Federal Aviation Administration (FAA)

This agency provides policy, guidance, and coordination in matters dealing with civilian and military airspace, air traffic, and airports.

Office /Mailing Address / Phone (Headquarters):

U.S. Department of Transportation
Federal Aviation Administration
800 Independence Ave, SW
Washington, DC 20591
866.835.5322

<https://www.faa.gov/>

① National Park Service (NPS)

This agency provides policy, guidance, coordination, and management of the National Park System and the lands and facilities therein.

Office / Mailing Address / Phone (Headquarters) / Website:

1849 C Street NW
Washington, DC 20240
202.208.6843

<https://www.nps.gov/index.htm>

① US Fish and Wildlife Service

This agency provides policy, guidance, coordination, and management of federal reserves, as well as provides technical support related to fish and wildlife management.

Office / Mailing Address (Headquarters):

U.S. Fish and Wildlife Service
1849 C Street, NW
Washington, DC 20242

<https://www.fws.gov/>



① US Forest Service

This agency provides policy, guidance, coordination, and management of Federal Land, and National Forests.

Office / Mailing Address / Phone (Headquarters) / Website:

Sidney R Yates Federal Bldg.
201 14th St, SW
800.832.1355

<https://www.fs.fed.us/>