

## CRITICAL NUCLEAR WEAPONS DESIGN INFORMATION (CNWDI) SECURITY BRIEFING

It has been determined that your assignment requires you to have access to Critical Nuclear Weapon Design Information (CNWDI). Consequently, it is required that you be given the following CNWDI briefing.

**DEFINITION:** CNWDI is information classified TOP SECRET RESTRICTED DATA or SECRET RESTRICTED DATA revealing the theory of operation or design of the components of a thermonuclear or implosion-type fission bomb, warhead, demolition munitions or test device. This information is connected to the US Government Weapons Systems programs, a program in which this agency is involved. CNWDI does not include information concerning arming, fusing and firing systems; limited life components, and totally contained quantities of fissionable, and high explosive materials by type. Among these excluded items are the components which personnel, including contract personnel, set, maintain, operate, test, or replace.

**ACCESS/RELEASE:** The sensitivity of CNWDI is such that it is in the national interest to assure that access is granted to the absolute minimum number of employees who require it for the accomplishment of assigned responsibilities on the strictest need-to-know basis. Access to CNWDI may be granted only to persons who have been granted a FINAL TOP SECRET OR SECRET security clearance.

Prior to releasing CNWDI materials to another, the releasing individual must verify the individual has a current CNWDI Access Briefing and NEED-TO-KNOW. Need-to-know is verified through the Office of Security or the Regional Security Office.

CNWDI will NOT be released to Foreign Governments, Foreign Nationals or Immigrant Aliens. CNWDI may not be disclosed to visitors or other personnel unless Security has received a proper visit notice which reflects an authorization for access to CNWDI materials. This restriction applies to Government personnel, as well as contractor employees. Contact the Regional Security Office to determine whether or not such an authorization is on record.

**ACCOUNTABILITY:** All CNWDI materials will be accounted for through the Classified Control Station in accordance with National Security Information Manual and the National Industrial Security Operating Manual.

**MARKING:** The following notation is placed on all classified data containing Restricted Data designated CNWDI. The notation is placed at the bottom of document covers (front and back), cover sheets, title page, first page of the data, and reverse side of the back page. This notation is always accompanied by and is placed next to the preceding Restricted Data. For marking slides and other materials refer questions to the Office of

Security or Regional Security Office. CNWDI is an acronym and should not be mistaken for the portion/paragraph marking symbol which is (N).

**FORMERLY RESTRICTED DATA**

Unauthorized disclosure subject to administrative and criminal sanctions. Handle as Restricted Data in foreign dissemination, Section 144b, Atomic Energy Act, 1954.

Classified by: \_\_\_\_\_

**CRITICAL NUCLEAR WEAPON  
DESIGN INFORMATION  
DOD DIRECTIVE 5210.2 APPLIES**

**STORAGE AND LOCK COMBINATIONS:** CNWDI material will be stored in approved Security containers in the same manner as other classified material; however, knowledge of the lock combination for these containers will be limited to personnel who possess a current CNWDI Access Briefing and have established a need-to-know.

**REPRODUCTION:** CNWDI information WILL NOT be reproduced without prior authorization from the User Agency Contracting Officer or Government representative specified in the contract or DD254 for contractor personnel.

**TRANSMISSION:** CNWDI materials will be prepared for transmission in the same manner as other materials with the same level of security classification (i.e. Secret, Confidential). The CNWDI notation, in addition to the other appropriate security markings, must be stamped in the inner envelope or wrapper for all CNWDI data packaged for transmission.

**DESTRUCTION:** CNWDI material will be destroyed in the same manner as other material with the same classification.

Critical Nuclear Weapon Information

My signature below indicates that I have read/been briefed and understand the Department of Commerce, Office of Security CNWDI Briefing. I am aware that any questions I have concerning the contents of this briefing should be directed to my Regional Security Officer.

PRINT NAME \_\_\_\_\_

SSN \_\_\_\_\_

BUREAU/OFFICE \_\_\_\_\_

TRAVEL DATE(S) \_\_\_\_\_

COUNTRY(IES)/REGION \_\_\_\_\_

WORK PHONE \_\_\_\_\_

\_\_\_\_\_  
SIGNATURE                      DATE

Collection of this information is authorized by Executive Order 9397, 10450, 12356, U.S.C. 301 and 7531-532; 15 U.S.C. 1501 et seq; AND 44 U.S.C. 3101

Please forward this signed page to the following:

REGIONAL SECURITY OFFICE  
7600 SAND POINT WAY NE  
SEATTLE, WA 98115-6349  
Fax 206-526-4543

# **CRITICAL NUCLEAR WEAPONS DESIGN INFORMATION (CNWDI) BRIEFING**

## **BACKGROUND INFORMATION**

CNWDI is TOP SECRET RESTRICTED DATA or SECRET RESTRICTED DATA that reveals the theory of operation or design of the components of a thermonuclear or implosion-type fission bomb, warhead, demolition munition or test device. Specifically excluded is information concerning arming, fusing, and firing systems; limited life components; and total contained quantities of fissionable, fusionable, and high explosive materials by type. Due to the sensitivity of this information, the special requirements listed below have been established.

## **PERSONNEL CLEARANCE REQUIREMENTS**

- A final DSS SECRET or TOP SECRET Personnel (Security) Clearance (PCL) is required for access to CNWDI.

## **DISCLOSURE**

- Clearance level, CNWDI access, and “need-to-know” must be established before disclosing this information.
- Employees must not disclose CNWDI to subcontractors or consultants without the prior written approval of the contracting activity. This approval may be included in a DD Form 254, other contract-related document, or by separate correspondence.

## **MARKINGS**

- In addition to other markings required by the “National Industrial Security Program Operating Manual” (NISPOM), classified material containing CNWDI must be marked:
  1. “Critical Nuclear Weapons Design Information - DoD Directive 5210.2 Applies” on the cover or the first page.
  2. “CNWDI” on the cover, the title page, the lead page, and the back cover of all documents.
  3. “(N)” or “(CNWDI)” following the classification in each section, part, paragraph or similar portion of a classified document. For example, “TS(RD)(N)” or “TS(RD)(CNWDI)” portion markings signify that the information is TOP SECRET Restricted Data Critical Nuclear Weapons Design Information.

## TRANSMISSION

1. Transmission is authorized only to the contracting activity or to a subcontractor/consultant unless included in a DD Form 254, other contract-related document, or by separate correspondence. Any other transmission must be approved by the contracting activity.
2. Prior to transmission to another cleared facility, the DSS/CVA must be contacted for verification that the facility has been authorized access to CNWDI.
  - A) When CNWDI material is transmitted to another facility, the inner wrapping must be addressed to the personal attention of the FSO or his/her alternate.
  - B) In addition to any other prescribed markings, the inner wrapping must be marked, "Critical Nuclear Weapon Design Information - DoD Directive 5210.2 Applies."

Transmissions addressed to the contracting activity or other U.S. Government agency shall have this same marking on the inner wrapping.

**Please Note:** Specific contracts with CNWDI information may require additional requirements for storage, destruction and/or markings. Consult with your Security Representative for additional information.

## SECURITY BRIEFING CERTIFICATE

1. I acknowledge that I have been authorized to receive or hold Critical Nuclear Weapons Design Information, which is a DoD category of TOP SECRET Restricted Data or SECRET Restricted revealing the theory of operation or design of the components of a thermonuclear or implosion-type fission bomb, warhead, demolition munition, or test device. Specifically excluded is information concerning arming, fusing and firing systems; limited life components; and total contained quantities of fissionable, fusionable, and highly explosive materials by type. Among these excluded items are the components which DoD personnel set, maintain, operate, test, or replace.
2. I understand that when I have a change in my assignment or a change in my status, which will render it no longer necessary for me to receive Critical Nuclear Weapons Design Information, I will execute the debriefing certificate in order that my name may be removed from the list of personnel authorized access to this information.
3. I appreciate that the Security of Critical Nuclear Weapons Design Information is of a paramount importance, and that the disclosure of such information could cause exceptionally grave danger to the United States. I will not discuss with or disclose to any person Critical Nuclear Weapons Design Information, unless that person is currently authorized access to such information, and has the need-to-know.

*I certify that I have read and understand the above information, and agree to comply with the requirements that have been set forth.*

PRINT FULL NAME (Employee)	SIGNATURE
POSITION / TITLE	DATE
REASON CNWDI ACCESS IS REQUIRED	

CLEARANCE LEVEL	DATE OF CLEARANCE

BRIEFING OFFICER - PRINT NAME	SIGNATURE	DATE

## CNWDI SECURITY DEBRIEFING CERTIFICATE

1. I am aware that I am no longer authorized to receive or hold Critical Nuclear Weapons Design Information.
2. Previous to the obligation which I incurred at the time of being authorized access to this information, I reaffirm that I will never hereafter divulge or discuss such information which I have acquired as an authorized recipient, unless required to do so by a competent authority.

*I certify that I have read and understand the above debriefing declaration and agree to comply with the requirements that have been set forth.*

EMPLOYEE (PRINT NAME)	SIGNATURE	DATE

# **CRITICAL NUCLEAR WEAPONS DESIGN INFORMATION (CNWDI) INFORMATION FOR THE BRIEFER**

## **NISPOM BRIEFING REQUIREMENTS**

The NISPOM provides straightforward guidance on the topics to be covered in the briefing: the definition of CNWDI, a reminder of the sensitivity of the information, and an explanation of each employee's responsibility for safeguarding CNWDI and limiting its circulation. Any special local requirements specified by contract such as storage, destruction, or markings also need to be discussed.

The security briefer should supplement his or her oral presentation with a written summary of the information covered. A single sheet handout covering the topics discussed should be sufficient. The NISPOM requires that each briefed individual sign a CNWDI security-briefing certificate that should restate the main briefing points.

When an employee no longer requires access to CNWDI, he or she must be debriefed. The debriefing should cover the purpose of the debriefing, a discussion of the serious nature of CNWDI and the need for caution.

## **NATURE OF INFORMATION**

It is important to safeguard CNWDI, because acquisition of this information by some nations or groups could threaten U.S. interests. If nuclear weapons technology were acquired by hostile nations or terrorist organizations, the threat to world peace and American lives could reach catastrophic proportions. Because of the sensitivity of CNWDI, only personnel who have an established need-to-know and who have a final TOP SECRET or SECRET security clearance may be granted access, and the number of these individuals must be kept to an absolute minimum. CNWDI may not be released or made available to any employee until the above requirements and certifications have been fully satisfied.

## **ADDITIONAL TOPICS**

Additional topics addressed by the NISPOM include markings, subcontractors, and transmission.

### **Marking Requirements**

For DoD contractors, in addition to other required markings, CNWDI material should be clearly marked as "Critical Nuclear Weapons Design Information - DoD Directive 5210.2 Applies" on the cover or the first page, at a minimum. More detailed marking information and examples may need to be given to employees.

### **Access Requirements**

Employees must not disclose CNWDI to subcontractors or consultants without the prior written approval of the contracting activity.

### **Transmission Procedures**

Transmission of CNWDI is authorized only for the contracting activity, a subcontractor, or a consultant approved by the contracting activity. The procedures for transmission spelled out in the NISPOM should be noted, and any company-specific requirements or modifications detailed.



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## Eligibility for Sigma Access by Clearance Type

The table below indicates what Sigma designations an individual may be authorized for, based on the clearance held. The individual, in addition, must have a "need-to-know" the classified information.

Clearance Level	Sigma								
	1	2	3	11	12	13	14	15	
<b>DOE Q</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>	
<b>Final DoD Secret</b>			<b>X</b>			<b>X</b>			
<b>Final DoD Top Secret</b>			<b>X</b>			<b>X</b>			
<b>NASA Secret/Top Secret</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>			
<b>Final DoD Secret with CNWDI</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>			
<b>Final DoD Top Secret with CNWDI</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>	

### Notes:

- DoD = Department of Defense
- CNWDI = Critical Nuclear Weapon Design Information

- DoD Secret/Top Secret with CNWDI = DoD clearance holder has taken the CNWDI Briefing
- NASA Secret/TS Sigma eligibility applies only to work associated with the Space Program
- Department of Energy (DOE) L clearance does not grant any Sigma access
- Sigma 1 grants Sigmas 1-10
- Sigma 2 grants Sigmas 2-10
- Sigma 3 grants Sigmas 3-10
- Sigma 12 grants Sigma 13

**Also see:**

- Definitions of [Sigma Categories](#) LANL ONLY
- Protection and Control of [Sigma 14 and 15](#) LANL ONLY
- [Sigma Access Authorization for LANL Workers](#)

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[LANL External View](#) | [badge@lanl.gov](mailto:badge@lanl.gov)

Security Help Desk: [security@lanl.gov](mailto:security@lanl.gov)

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## Sigma Access Authorization for LANL Workers

The following summarizes key points about assigning and verifying Sigma authorizations for LANL workers.

***NOTE: The Badge Office does not assign nor provide others with information on Sigma authorizations of LANL personnel.***

Access to classified information is based on two key elements:

1. Clearance status of the individual
2. Need to know

**BACKGROUND.** Department of Energy classified information with the classification category RESTRICTED DATA (RD) usually bears one or more Sigma numbers characterizing the specific type(s) of nuclear weapon information it contains. As part of DOE's need-to-know approach to classified information, an individual desiring access to information that bears a Sigma number must first be authorized to see that kind of Sigma information. For more information about Sigmas, review the [Sigma Definitions](#), and/or contact [S-7](#) or the S-5 [Classified Matter Protection and Control](#) (CMPC) Team

**PROCEDURE TO ASSIGN SIGMAS.** The Laboratory has a procedure for indicating its own workers who are approved for accessing specific Sigma designations. Group Management, using the Laboratory's [Signature Authority System](#) (SAS) can authorize a person in that Group to have specific Sigma designation approvals.

Sigma authorizations are automatically canceled:

- One-year after assignment;
- When there is a change in an individual's Cost Center (i.e., Org Code);
- Any change in security clearance status
- Any change in a Group's name and/or designation
- Upon separation from the Laboratory

The authorizing manager is notified by e-mail prior to the one-year expiration of each of Sigma authorization and whenever any authorizations have been canceled.

**CHECKING SIGMA ASSIGNMENTS.** With the appropriate SAS authority, a Laboratory worker can check the Sigma assignments of another Laboratory worker. Questions about how to assign Sigmas to Laboratory workers via the SAS, or to verify someone's Sigma approvals, should be directed to the IM-2 [EIA Consulting Team](#), 5-4444 (Select **option 2** at the prompt).

**PLEASE NOTE:**

- **The Badge Office DOES NOT advise or provide information on the Sigma authorization of Laboratory workers (e.g., UC employees, subcontractors, affiliates, vendors, etc.).**
- **The Badge Office DOES process requests from Laboratory hosts for [Sigma access by visitors](#), as part of its Control of Classified Visits program.**



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