

Security

Laser Guidance Systems Security Classification Guide

Headquarters
Department of the Army
Washington, DC
1 December 83

Unclassified

SUMMARY of CHANGE

AR 380-6

Laser Guidance Systems Security Classification Guide

Security

Laser Guidance Systems Security Classification Guide

By Order of the Secretary of the Army:

JOHN A. WICKHAM, JR
General, United States Army
Chief of Staff

Official:

ROBERT M. JOYCE
Major General, United States Army
The Adjutant General

History. Not applicable.

Summary. This regulation implements DODI 5210.62 at appendix A. This regulation assigns security classifications to information on laser guidance systems. This revision modifies declassification guidance.

Applicability. This regulation applies to—
a. Active Army elements engaged in research, development, test, evaluation, production, and operational use of laser guidance systems and the application of laser guidance systems for military purposes.

b. Army National Guard and US Army Reserve elements engaged in the operational use of laser guidance systems.

Proponent and exception authority. Not applicable.

Impact on New Manning System. This regulation does not contain information that affects the New Manning System.

Army management control process. Not applicable.

Supplementation. Supplementation of this regulation is prohibited unless prior approval is obtained from HQDA (DAMA–CSC), WASH DC 20310.

Interim changes. Interim changes to this

regulation are not official unless they are authenticated by The Adjutant General. Users will destroy interim changes on their expiration dates unless sooner superseded or rescinded.

Suggested Improvements. The proponent agency of this regulation is the Office of the Deputy Chief of Staff for Research, Development, and Acquisition. Users are invited to send comments and suggested improvements on DA Form 2028 (Recommended Changes to Publications and Blank Forms) directly to HQDA (DAMA–CDC), WASH DC 20310.

Distribution.

Active Army, ARNG, USAR: To be distributed in accordance with DA Form 12–9A requirements for AR, Security—D.

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*This regulation supersedes AR 380–6, 15 February 1972.

RESERVED

1. Purpose

a. This regulation prescribes Department of the Army responsibilities, policies, and criteria governing the security classification of information pertaining to laser guidance systems.

b. This regulation covers devices that use laser energy for the following purposes:

- (1) Determining range to a target.
- (2) Searching for and tracking targets.
- (3) Designating targets.
- (4) Guiding weapons to a target.

c. This regulation does not cover the following laser categories:

- (1) Lasers used for communications.
- (2) Lasers used for scene illumination (usually in conjunction with night sensors).
- (3) High energy lasers used in weapon applications. (See AR 380-2.)

2. References

Required publications are listed below.

a. AR 380-2 (High Energy Laser System Technology: Security Classification Guide). Cited in paragraph 1c(3).

b. AR 380-5 (Department of the Army Information Security Program). Cited in paragraphs 4 and 6.

3. Responsibilities

a. Program or project managers and officers who have jurisdiction over the research, development, test, and evaluation of laser guidance system technology. These individuals will—

(1) Determine whether security classification is required according to appendix A.

(2) Coordinate with the intended operational user for preparing and maintaining current classification guidance consistent with appendix A.

(3) Prepare proper security classification guidance for the program or project.

b. System managers. System managers that are responsible for systems that include laser guidance will incorporate classification requirements (as specified in app A) into the system.

4. Policy.

All security classification guides for laser guidance systems will be reviewed. These guides will be revised, as required, to agree with appendix A. (See AR 380-5, para 2-801, for classifying previously unclassified information in contracts and grants.)

5. Approval

The security classification guidance in appendix A has been approved by the Deputy Under Secretary of Defense (Policy), who is the original TOP SECRET classification authority.

6. Safeguarding

Information classified in accordance with appendix A will be safeguarded according to AR 380-5.

Appendix A
Department of Defense Instruction



December 3, 1982
NUMBER 5210.62

Department of Defense Instruction USD(P)

- SUBJECT: Laser Guidance Systems, Security Classification
- References:
- (a) DoD Instruction 5210.62, "Security Classification of Laser Guidance Systems," April 25, 1980 (hereby canceled)
 - (b) DoD Instruction 5210.61, "Security Classification of Information Concerning High Energy Lasers," September 18, 1981
 - (c) DoD 5200.1-R, "Information Security Program Regulation," August 1982, authorized by DoD Directive 5200.1, June 7, 1982
 - (d) DoD Directive 5230.9, "Clearance of DoD Public Information for Public Release," April 2, 1982
 - (e) through (h), see enclosure 1

A. REISSUANCE AND PURPOSE

This Instruction reissues reference (a) and prescribes policies, standards, and criteria governing the security classification of information pertaining to any laser guidance system, as defined in subsection B.2., below, that is developed in whole or in part with information or knowledge obtained from or developed for the Department of Defense; and provides guidance to DoD Components responsible for issuing security classification guides for individual systems and equipment under their control.

B. APPLICABILITY AND SCOPE

1. This Instruction applies to the Office of the Secretary of Defense, the Military Departments, the Organization of the Joint Chiefs of Staff, the Unified and Specified Commands, and the Defense Agencies (hereafter referred to as "DoD Components").

2. Its provisions encompass devices that use a laser beam as a means of designating, searching, seeking, and tracking a designated military target and of guiding a weapon to a target. Lasers used for communications, or used for scene illumination (usually in conjunction with night sensors), are not covered by this Instruction; nor are high energy lasers used in weapons applications, which are covered in reference (b).

C. DEFINITIONS

1. Breakthrough

a. When, in the performance of research and development (R&D), a technological development is imminent or is achieved under circumstances that constitute a marked deviation from a trend, showing unexpected progress in relation to time, and not predictable qualitatively even by persons trained in the appropriate discipline.

Figure A-1. Department of Defense Instruction Number 5210.62

b. An increase in the performance or capability of technology that opens up a field of application to a variety of new military systems.

2. Designator. A device that directs a relatively small spot of laser energy into a military target.

3. Designator-Rangefinder. A dual-purpose device that functions as a designator and also determines the range of the target.

4. Laser Guidance. The use of laser energy to guide a weapon to a target, either by the weapon following a laser beam or by sensing laser energy reflected from the target.

5. Laser Guided Weapon (LGW). A weapon or weapon system that uses laser guidance during any part of the travel from launch to target.

6. Rangefinder. A pulsed laser energy source coupled with a receiver that permits determination of military target ranges.

7. Search and Track Set. A device used to search for the presence of reflected laser energy and to track its source.

8. Significant Advance. A technical advance of sufficient magnitude to have a potential for use in an operational or advanced system with the result of a distinct, specific military advantage in such areas as substantially improved performance, increased reliability, or reduced vulnerability.

D. POLICIES

1. Security Classification. In the interest of interoperability and commonality, all DoD Components engaged in research, development, testing, and evaluation (RDT&E), and use of LGWs shall ensure that the security classifications assigned to their laser guidance systems are uniform, consistent, and in accord with this Instruction, and that classification guides issued for such laser guidance systems are made available to other DoD Components engaged in LGW activities.

2. Data Exchange. To ensure maximum use of scientific and technological bases, there shall be an interchange of data and information, consistent with the interests of national security, among all DoD Components and cleared DoD contractors who are engaged in LGW efforts.

3. Public Releases. The DoD obligation to provide the public with accurate and timely information on its major programs will require, in some instances, detailed public information planning and coordination with other DoD Components in order to expedite the flow of information between the Department of Defense and the public. The first concern of the Department of Defense, however, is the security of the nation and the safety of the Armed Forces of the United States. Information that would affect adversely the nation's security or endanger military personnel shall not be disclosed.

Figure A-2. Department of Defense Instruction Number 5210.62

E. PROCEDURES

1. Preparation, Issuance, and Review of Classification Guidance

a. In accordance with Chapter II, Section 4 of DoD 5200.1-R (reference (c)), the program officer, project system officer, or manager of laser guidance systems, or his or her successor in interest is responsible, in coordination with the intended operational user, for preparing and maintaining current classification guidance, consistent with this Instruction. Such guidance shall be based upon classification determinations made or approved in writing for the program, project, or system by appropriate classification authorities.

(1) This responsibility continues as the system progresses from R&D, through testing, production, deployment, and supply, as long as there are items of information pertaining to that system that warrant security classification. When a system reaches obsolescence, this responsibility includes ensuring that appropriate reviews for downgrading and declassification are carried out until all items of information pertaining to the system have been declassified.

(2) When control over the system is transferred or assigned to another office or official, the responsibility for maintaining current security classification guidance for the system is also transferred.

(3) Classification guides shall be made available to all parties involved in the program, project, or system. Copies shall be made available as indicated in subsection D.1., above, and in paragraph 2-406, DoD 5200.1-R (reference (c)).

b. The program officer, project system officer, or manager responsible for preparation and maintenance of classification guidance, as provided in paragraph E.1.a., above, in coordination with the operational user or users, shall review such guidance for currency and accuracy at least once every 2 years. When the results of these reviews indicate that the classification prescribed by enclosure 2 should be revised, or that information classified according to this Instruction should be declassified, recommendations with supporting explanation shall be submitted by the above officials to the Office of the Deputy Under Secretary of Defense (Policy). Examples of reasons for recommended declassification are:

(1) The classifications stated in enclosure 2 should be changed because of technological developments or intelligence concerning foreign developments.

(2) The information is compromised by loss of the system in combat.

(3) The information is officially released to the public.

2. Content of Classification Guidance. A classification guide shall identify clearly the items of information pertaining to the laser guidance system which require classification. It shall also include the applicable classification designation, declassification instructions, and if applicable, downgrading instructions, all of which shall conform with this Instruction and the guidance contained in enclosure 2.

Figure A-3. Department of Defense Instruction Number 5210.62

a. Except as specified in enclosure 2, a classification of information that is subject to this Instruction shall continue during the operational lifetime of the LGW or until occurrence of a condition or event that neutralizes the basis for classification, as provided in subparagraphs E.1.b., (1), (2), and (3). Otherwise, information shall be classified as long as required by national security considerations. When possible a specific date or event for declassification shall be set by the original classification authority at the time the information is originally classified. If a specific date or event cannot be determined, the notation "Originating Agency's Determinations Required" or "OADR" shall be applied to all such information.

3. Dissemination

a. Open Publication. Request for approval for open publication of technical data pertaining to any laser guidance system within the scope of this Instruction shall be referred through appropriate channels to the Directorate for Freedom of Information and Security Review, Office of the Assistant Secretary of Defense (Public Affairs), in accordance with DoD Directive 5230.9 (reference (d)).

b. Foreign Disclosure. Request for approval for disclosure of laser guidance data and information to foreign governments or international organizations shall be through the procedures established in DoD Directive 5230.11 (reference (e)), DoD Instruction 5230.17 (reference (f)), and appropriate implementing instructions of the Military Departments.

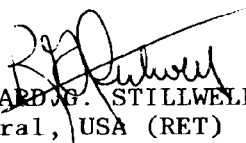
c. Other Restrictions. Nothing contained in this Instruction shall be construed to authorize the foreign export or release of hardware or technical data relating to any laser guidance system. Such exports or releases are subject to the munitions and export control regulations issued by the Departments of State and Commerce, DoD Directives 5030.28 and 2030.4 (references (g) and (h)).

F. RESPONSIBILITIES

Heads of DoD Components shall ensure the application of this Instruction by defense contractors, subcontractors, and grantees engaged in industrial research and development (R&D) activities supported in whole or in part by the Department of Defense.

G. EFFECTIVE DATE AND IMPLEMENTATION

This Instruction is effective immediately. Forward one copy of implementing documents to the Office of the Deputy Under Secretary of Defense (Policy) within 120 days.


RICHARD G. STILLWELL
General, USA (RET)
Deputy Under Secretary of Defense (Policy)

Enclosures - 2

1. References
2. Security Classification Guidance for Laser Guidance Systems

Figure A-4. Department of Defense Instruction Number 5210.62

REFERENCES, continued

- (e) DoD Directive 5230.11, "Disclosure of Classified Military Information to Foreign Governments and International Organizations," March 2, 1979
- (f) DoD Instruction 5230.17, "Procedures and Standards for Disclosure of Military Information to Foreign Activities," August 17, 1979
- (g) DoD Directive 5030.28, "Munitions Control-Procedures for U.S. Munitions List Export License Applications Referred to DoD by Department of State," March 10, 1970
- (h) DoD Directive 2030.4, "DoD Support for the Strategic Trade Control Program," December 11, 1962

Figure A-5. Department of Defense Instruction Number 5210.62

Security Classification Guidance
for Laser Guidance Systems

<u>Topic</u>	<u>Explanation</u>	<u>Classifi- cation</u>	<u>Remarks</u>
100	Overall effort		
101	The fact that the U.S. has LGWs and is continuing development thereof	U	
102	Specific breakthrough or significant advance	S	Pending review and evaluation at OSD level.
103	RDT&E funding information	U	See remark at Topic 106.
103.1	Projects revealing significant information concerning the trend and emphasis of LGW development	U	See remark at Topic 106.
103.2	Outyear RDT&E funding revealing trend and emphasis of LGW R&D that would be significant in assessing state-of-the-art vis-a-vis required or desired performance	U	See remark at Topic 106.
104	Total funding amount, dollars	U	
105	Unit costs of end items	U	See remarks at Topic 106.
106	Inventories of specific LGW systems	U	May be classified to protect classified information on force capabilities or location of weaponry in a foreign area only when required by other security classification authority.

Figure A-6. Security Classification Guidance for Laser Guidance Systems

107	Production capability, rate of delivery, delivery schedules	U	See remark at Topic 106.
108	Types of laser used	U	Secret if unique and provide significant advance. For example, a 5 percent increase in efficiency would be a significant advance. This matter is subject to review and evaluation at OSD level.
200	Performance and capabilities of designators, designator - rangefinders, rangefinders		
201	Sight magnification and amplification	C	NOTE: See subsection E.2., above, for general downgrading and declassification instructions for all classified information.
202	Energy output per pulse	C	
203	Pulse width	C	
204	Beam divergence	C	
205	Target spot size and energy density	C	
206	Effective range	C	
207	Tracking accuracy	C	
208	Duty cycle	C	
209	Weight	U	
210	Endurance	U	
211	Power	C	

Figure A-7. Security Classification Guidance for Laser Guidance Systems

	212	Laser efficiency	U	See Topic 108.
300		Performance and capabilities of LGW and search and track sets		
	301	Seeker sensitivity	C	
	302	Field of view	C	
	303	Gimbal angle	C	
	304	Maximum slew rate	C	
	305	Maximum tracking rate	C	
	306	Tracking accuracy	C	
	307	Details of processing logic	C	
	308	Terminal accuracy	C	
	309	Range (min/max/optimum)	C	
	310	Maneuvering capability	C	
	311	Target motion capability	C	
	312	Launch speed range	C	
	313	Multiple target capability	C	
400		Laser wavelengths		
	401	The fact that U.S. LGWs have operated at 1.06 microns	U	
	402	Other specific wavelengths under consideration	C	Unclassified when field tested or when subject to uncontrolled observation.
	403	Wavelength assigned to a specific system	C	Unclassified when field tested or when subject to uncontrolled observation.

Figure A-8. Security Classification Guidance for Laser Guidance Systems

500	Pulse repetition frequency (PRF)		
501	PRF device (hardware)	U	
502	Specific assigned operational PRF	C	Automatically declassified 24 hours after replacement by a new PRF assignment.
503	RDT&E PRF	U	See Topic 108.
504	PRF coding	C	
600	Pulse interval modulation (PIM)		
601	PIM individual code interval sequence	C	
602	Design of encoder (code generator)	U	Classified C upon insertion of keying variable (programed memory module) (see Topic 800).
603	Design of decoder	C	Unless it discloses countermeasures or counter-countermeasures (other than PIM technology), classify according to information disclosed. See Topic 800.
604	Keying variable (memory module data)	C- Crypto	Declassify upon supercession. PIM memory module hardware is unclassified until programed with the keying variable. See Topic 800.

Figure A-9. Security Classification Guidance for Laser Guidance Systems

700	Countermeasures (CM) and Countercountermeasures (CCM)		These guidelines apply to all reports, documents, and data collected and published in 1971. Retroactive downgrading and declassification marking are required.
701	CM reports, documents, and data relating to results or expected results on specific, generic, proposed, or postulated LGW systems (CM technique/equipment/type; LGW susceptibility/vulnerability)	S	
702	CCM reports, documents, and data relating to results or expected results on specific, generic, proposed, or postulated LGW systems (CCM technique/equipment/type; performance/effectiveness details, unique design information)	S	PIM details related as a COM type are C.
703	CM/CCM test directives/plans relating LGWs to specific, generic, or proposed/postulated CM techniques/equipment	C	
704	CM reports/documents relating LGWs to specific, generic, or proposed/postulated CM techniques/equipment	S	
705	Theoretical test data unrelated to specific U.S. systems	U	
800	End items (hardware)		
	Classified information that is contained in hardware other than PIM codes, CM, or CCM classified information listed under Topics 200 through 500 should be declassified not later than the completion and analysis of operational testing. Hardware which, in itself, discloses classified		

Figure A-10. Security Classification Guidance for Laser Guidance Systems

PIM, CM, and CCM information shall remain classified as long as the specific classified information it reveals retains its classification. However, when released for field use, the hardware and its related software should be reviewed for declassification. When declassification is not appropriate, the provisions of paragraph 1-203, DoD 5200.1-R (reference (c)), shall be applied. Whenever control over a specific hardware item and PIM codes and CM and CCM information are reasonably believed to have been compromised, all information that could be obtained by examination, test, use, or analysis of the specific hardware item shall be reevaluated in accordance with paragraph 2-210, DoD 5200.1-R (reference (c)).

Figure A-11. Security Classification Guidance for Laser Guidance Systems

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