

1 MAY 2004

Safety

RANGE SAFETY PUBLICATION SERIES



COMPLIANCE WITH THIS PUBLICATION IS MANDATORY

NOTICE: This publication is available digitally on the AFDPO WWW site at:
<http://www.e-publishing.af.mil>

OPR: HQ AFSPC/SEC
(Lt Col John A. Humphries)

Certified by: HQ AFSPC/SE (Col Billy R. Colwell)
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This instruction implements Department of Defense Directive (DoDD) 3100.10, *Space Policy*; DoDD 3200.11, *Major Range and Test Facility Base*; DoDD 3230.3, DoD *Support for Commercial Space Launch Activities*; AFD 91-1, *Nuclear Weapons and System Surety*; AFD 91-2, *Safety Programs*; AFD 63-12, *Assurance of Operational Safety, Suitability, and Effectiveness*; AFI 91-202_AFSPCSUP1, *The US Air Force Mishap Prevention Program*; and the *Memorandum of Agreement between the Department of the Air Force and the Federal Aviation Administration on Safety for Space Transportation and Range Activities*. This instruction also establishes and implements requirements and procedures for publications in the 91-7XX range safety publication series by Headquarters Air Force Space Command (HQ AFSPC) Safety (SE). It applies to all HQ AFSPC, subordinate, supporting units, and all Range Users conducting or supporting operations on AFSPC ranges. Subordinate units may supplement this instruction after approval by HQ AFSPC/SE. This publication applies to the Air National Guard (ANG). Send correspondence pertaining to this instruction to HQ AFSPC/SEC, 150 Vandenberg St., Ste 1105, Peterson AFB, CO 80914-4260.

1. General. This instruction allows HQ AFSPC/SE to:

- 1.1. Develop, issue, and maintain range safety publications designated as the AFSPC 91-7XX series. The AFSPC 91-7XX series will contain policy, requirements and guidance related to the AFSPC range safety programs.
- 1.2. Revise AFSPC publications as a result of directed changes and implement policy and guidance to subordinate safety elements in a timely and economical manner.

2. Publications. The publications covered by this publication series will be referenced in the Air Force publication system. The publications will be numbered in the AFSPC 91-7XX series and will be reserved solely for use by AFSPC range safety programs.

2.1. Proposed changes to the range safety publications should be submitted via a cover letter/memo with the proposed changes on Change Request Forms as an attachment. These proposed changes should be submitted to HQ AFSPC/SE along with appropriate coordination to HQ AFSPC/SE for review. Once approved by HQ AFSPC/SE, interim changes or a publication revision, whichever is appropriate, will be forwarded to HQ AFSPC CSS/SCTI (Publishing) for publication. After publication the documents will be posted to a controlled web site for access by approved agencies (see the responsibilities section).

2.2. These range safety publications will not contain privileged, classified or proprietary information.

2.3. The present Eastern and Western Range (EWR) 127-1, Range Safety Requirements, publication will be replaced by a HQ AFSPC developed 91-7XX series publication (AFSPCMAN 91-710, Range Safety User Requirements Manual). Range Safety approved program unique EWR 127-1 Tailored (T) documents shall remain in effect on approved contracts until rescinded or superseded.

3. Publication Responsibilities:

3.1. HQ AFSPC/SE:

3.1.1. Retains overall approval authority for the AFSPC range safety publication series.

3.1.2. Issues final approval of AFSPC 91-7XX series publications.

3.1.3. Reviews and approves all safety publications, as the approval authority in block 20 of AF Form 673, Request to Issue Publication.

3.1.4. Ensures coordination with the HQ AFSPC staff, HQ AFSC and other external agencies.

3.2. HQ AFSPC/SEC:

3.2.1. Prepares, issues and maintains AFSPC 91-7XX series publications.

3.2.2. Evaluates and approves all change requests from subordinate units to AFSPC 91-7XX publications.

3.2.3. Co-Chairs the Common Standards Working Group (CSWG). The CSWG is chartered to establish common Air Force/Federal Aviation Administration (AF/FAA) range safety requirements.

3.2.4. Performs coordination with the HQ AFSPC staff, HQ AFSC and other external agencies.

3.2.5. Forwards all publications to AFSPC CSS/SCTI for publishing actions.

3.2.6. Forwards requests for rescission to AFSPC CSS/SCTI.

3.2.7. Maintains a copy of the official record set for all publications under the AFSPC 91-7XX series. The set includes:

3.2.7.1. Copies of all required AF Form 673s.

3.2.7.2. The most recent review conducted of each publication in this publication series.

3.2.7.3. A copy of each publication.

3.2.8. Maintains editorial control on all publications in this series.

3.2.9. Maintains proposed changes to range safety publications on a controlled web site, for review by Range Users.

3.2.10. Maintains the latest approved copies of range safety publications on a controlled web site for access by HQ AFSPC/SE approved Range Users and other HQ AFSPC/SE approved agencies. Approved publications will also be posted on the Air Force publications web site.

3.3. Subordinate Safety Offices:

3.3.1. Space and Missile Systems Center (SMC) Safety (SMC/SE):

3.3.1.1. Reviews and coordinates (AFSPCMAN 91-710) change requests with the SMC System Program Offices (Air Force Range User community) and provides a consolidated SMC recommendation to the 30 SW and 45 SW or HQ AFSPC/SE, as applicable.

3.3.1.2. Participates in the CSWG.

3.3.2. Fourteenth Air Force Safety (14 AF/SE):

3.3.2.1. Reviews, verifies standardization and forwards SW coordinated change request recommendations to HQ AFSPC/SEC for review and approval.

3.3.2.2. Ensures standardization of the 30 SW and 45 SW range safety publications, processes, requirements and activities, to the maximum extent possible. Where standardized recommendations between the wings are not possible, forwards each wing's rationale for their proposed recommendations to HQ AFSPC/SE for review and resolution.

3.3.2.3. Participates in the CSWG.

3.3.3. 30 Space Wing Safety (30 SW/SE):

3.3.3.1. Implements AFSPC 91-7XX safety requirements publications for the range safety program at the Western Range (WR). Strives for maximum standardization of processes and requirements with the Eastern Range (ER).

3.3.3.1.1. Coordinates all internal change requests to range safety publications with the 45 SW and SMC/SE.

3.3.3.1.2. Performs initial evaluations of all public and Range User comments to draft revisions of range safety publications and coordinates proposed responses with the 45 SW and SMC/SE.

3.3.3.2. In conjunction with the 45 SW and HQ AFSPC/SE, provides the FAA Associate Administrator for Space Transportation (AST) a copy of proposed range safety changes that affect the FAA Launch Site Safety Assessment criteria and resolves any conflicts with the change requests.

3.3.3.3. Reviews and forwards all coordinated changes to range safety publications to 14 AF/SE for review and concurrence. Provides the rationale for any WR non-standardized processes or requirement.

3.3.3.4. Prepares, approves, and maintains copies of WR program unique tailored versions of range safety requirements publications.

3.3.3.5. Participates in the CSWG.

3.3.4. 45 Space Wing Safety (45 SW/SE):

3.3.4.1. Implements 91-7XX safety requirement publications for the range safety program at the ER. Strives for maximum standardization of processes and requirements with the WR.

3.3.4.1.1. Coordinates all internal change requests to range safety publications with the 30 SW and SMC/SE.

3.3.4.1.2. Performs initial evaluations of all public and Range User comments to draft revisions of range safety publications and coordinates proposed responses with the 30 SW and SMC/SE.

3.3.4.2. In conjunction with the 30 SW and HQ AFSPC/SE, provides the FAA/AST a copy of proposed range safety changes that affect the FAA Launch Site Safety Assessment criteria and resolve any conflicts with the change requests.

3.3.4.3. Reviews and forwards all 30 SW, 45 SW, SMC/SE and FAA/AST coordinated changes to range safety publications to 14 AF/SE for review and concurrence. Provides the rationale for any ER non-standardized processes or requirements.

3.3.4.4. Prepares, approves and maintains ER program unique tailored versions of range safety requirements publications.

3.3.4.5. Acts as the Office of Primary Responsibility for and maintains the master copy of EWR 127-1 and prior active and inactive safety documents. This includes versions of the range safety publications previously used or in use by Range Users; i.e., EWR 127-1 and or EWR 127-1 (T) tailored versions.

3.3.4.6. Participates in the CSWG.

3.4. AFSPC CSS/SCTI:

3.4.1. Publishes all range safety publications governed by this program.

3.4.2. Identifies all revised and newly distributed publications in the appropriate section of the publications web page.

3.4.3. Maintains the official record set for all publications under the AFSPC 91-7XX series to include:

3.4.3.1. All original required AF Form 673 Overprints.

3.4.3.2. All original 2-Letter coordination and publications mandatory coordination, along with comment resolutions.

3.4.3.3. The master copy of each publication.

3.4.3.4. All AF Form 1382s (biennial reviews) for each publication

BILLY R. COLWELL, Col, USAF
Director of Safety

Attachment 1**GLOSSARY OF REFERENCES AND SUPPORTING INFORMATION*****References***

14 CFR, Chap III, Part 400-499, *Commercial Space Transportation*

49 U.S.C. Subtitle IX, Commercial Space Transportation, ch. 701, *Commercial Space Launch Activities*,
49 U.S.C. §§ 70101 – 70121

Department of Defense Directive (DoDD) 3200.11, *Major Range and Test Facility Base*

Department of Defense Directive 3230.3, *DoD Support for Commercial Space Launch Activities*

Memorandum of Agreement between Department of the Air Force and Federal Aviation Administration
for Space Transportation and Range Activities, dated 16 Jan 2001

AFPD 91-2, Safety Programs

AFI 91-202, U.S. Air Force Mishap Prevention Program

Abbreviations and Acronyms

AF—Air Force

AFI—Air Force Instruction

AFPD—Air Force Policy Directive

AFSC—Air Force Safety Center

AFSPC—Air Force Space Command

AFSPCMAN—Air Force Space Command Manual

AST—Associate Administrator for Space Transportation

CFR—Code of Federal Regulations

CSS/SCTI—AFSPC Publications Office

CSWG—Common Standards Working Group

DoD—Department of Defense

DoDD—Department of Defense Directive

ER—Eastern Range

EWR—Eastern and Western Range

FAA—Federal Aviation Administration

HQ AFSPC—Headquarters Air Force Space Command

SE—Safety

SEC—Space Safety

SMC—Space and Missile Systems Center

SW—Space Wing

T—Tailored

U.S.C.—United States Code

WR—Western Range