

AFMAN 10-401V2 1 MAY 1998

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APO AE 09094-5001
1 April 1997

APPENDIX 1 TO ANNEX C TO COMUSAFE OPLAN 4123-97 (U)
NUCLEAR OPERATIONS (U)

→ Defense of Western Europe
in General War

- () REFERENCES: List documents and other plans that have a significant bearing on conducting nuclear operations.
1. () SITUATION
- a. () Enemy. Refer to Annex B for more detail on enemy forces. Estimate the enemy's capability and probable courses of action in defense against nuclear attacks as provided for in the plan.
- b. () Friendly.
- (1) () List the specific tasks assigned to friendly forces, not part of this command, for support nuclear operations envisaged herein.
- (2) () State how the nuclear operations of external forces, other than those tasked to support this operation, may affect the nuclear operations of this force.
- c. () Assumptions. State clearly and precisely in this subparagraph the conditions under which nuclear operations might be initiated. According to guidance contained in JSCP, Volume II, Annex C, clearly define other assumptions essential to a clear understanding of the basis for a request for selective release of nuclear weapons.
2. () MISSION. State that mission to be accomplished by employing nuclear weapons must closely interface with the concept of operations in the basic plan. Give mission statements such as:
- a. () When directed, employ selected nuclear weapons to demonstrate US determination to control escalation of the conflict.
- b. () When directed, employ NSOs against selected targets or enemy forces.

Non SIOP Options

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3. () EXECUTION. Provide guidance on the following topics, either in subparagraphs or in tabs, if necessary.
- a. () Concept of Nuclear Operations. State clearly in the concept that nuclear weapons require a Presidential decision that may be based on a complex of politico-military factors. In separate subparagraphs, tell how each mission alternative is fulfilled.
- b. () Tasks. In separate numbered subparagraphs, list the detailed tasks to be performed by each subordinate command to implement this plan, including responsibilities for providing nuclear weapons support to friendly forces and for securing, deploying, and dispersing stocks of weapons.
- c. () Weapon Allocations. Refer users to the documents in which weapon allocations are published. Provide guidance for obtaining additional weapon allocations.
- d. () Targeting. Establish selection criteria for scheduled and unscheduled targets, target priorities, weapons system selection criteria (including damage criteria), compatibility of weapon and delivery systems with target systems, and operational planning factors. Indicate the impact of planning factors on programming. Refer to Annex B, Appendix 4, Tab A, for target lists and additional information.
- e. () Limitations. List in detail those restraints and constraints to nuclear options under the plan. Follow the guidance on limitations that is discussed in JSCP, Volume II, Annex C.
- f. () Coordinating Instructions. Include the information and procedural guidance required to coordinate initial defense against enemy nuclear operations and to plan offensive employment by elements of this command. Use tabs, as necessary, for lengthy or detailed instructions. Either cover these aspects in the coordinating instructions or provide suitable references:
- (1) () Rationale for selecting targets to be included in preplanned programs.
 - (2) () Requirements for prestrike intelligence and target acquisition procedures.
 - (3) () Guidance for the attack of fleeting targets.
 - (4) () Poststrike analysis procedures and weapon expenditure reports.

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- (5) () Acceptable safety criteria.
 - (6) () Procedures for warning of enemy nuclear attack and reporting enemy nuclear detonations.
 - (7) () Special rules of engagement applicable to defensive use of nuclear weapons.
 - (8) () Requirements for coordination with national strategic programs, when applicable.
 - (9) () Abort and jettison procedures.
 - (10) () Procedures for regaining custody of weapons when required.
4. () ADMINISTRATION AND LOGISTICS
- a. () Supply. Provide necessary instructions for supply procedures and responsibilities.
 - b. () Storage and Transportation. Include guidance on storage and transportation requirements and responsibilities, including the planned location of storage facilities.
 - c. () Support for Allies. Establish guidance for the supply, storage, transportation, and handling of nuclear weapons to be made available for employment by allied forces.
 - d. () Reports. Provide instructions for submitting any required administrative reports on stocks of nuclear weapons.
5. () COMMAND AND SIGNAL
- a. () Release Procedures. Establish procedures for requesting and releasing nuclear weapons in conformity with Emergency Action Procedures of the Joint Chiefs of Staff.
 - b. () Executing Commanders. Designate commanders who will control the proper employment of nuclear weapons according to the authenticated release message.
 - c. () Command and Control. Establish any special systems and procedures required for the command and control of nuclear operations and the warning and reporting requirements associated with enemy employment. Refer to Annex K for more detail.

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d. () Execution Checklists. Provide a checklist for actions to be accomplished to execute NSOs. Include provisions for handling CJCS Warning Orders, processing support requests, and execution. Include actions and consider the time required to complete the planning, positioning of forces, and readying for execution.

Tabs:

A--Nuclear Options

B--Nuclear Options Analysis (distribution to CJCS only)

C--Reconnaissance Operations to Support Nuclear Options

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TAB A APPENDIX 1 TO ANNEX C TO COMUSAFE OPLAN 4123-97 (U)
NUCLEAR OPTIONS (U)

1. () OBJECTIVE. Make a brief statement about what is to be accomplished by executing the options. Present each option in a separate enclosure to this tab.
2. () OPTION DESCRIPTION. Include a general description of each option, to include geographic boundaries, types of targets (fixed or mobile), and predicted status at execution, for example, armored units in assembly areas and active airfields. Consider using suboptions within an option to break down a large number of objective targets into more manageable groups. Include specific information for proposed individual strikes within an option or suboption in the table format attached to this tab. Include an orientation map for each option indicating desired (or designated) ground zeros (DGZ).
3. () CONSIDERATIONS. State circumstances under which the attack might be appropriate and what is expected to occur if the option is employed. Include the total length of time to complete the option strikes.
4. () SPECIAL REQUIREMENTS. Consider these subjects for amplification unless the subject is adequately covered elsewhere in the OPLAN.
 - a. () Task Organization. Identify organizations or special activities that directly support a particular option.
 - b. () Logistics. Specify mobility and transportation, special petroleum, oils, or lubricants (POL) requirements, special aircraft stores support designations, etc.
 - c. () Command Relationship. Describe planning and execution relationship, support forces, etc.
 - d. () Communications-Electronics. Outline mission requirements -- execution, special measures, signal security (SIGSEC), communications security (COMSEC), etc.

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- e. () Operations. Describe any special operational requirements -- search and rescue, etc.
- f. () Intelligence. Outline requirements for prestrike and poststrike intelligence collection.

Exhibits:

- 1--Nuclear Option (list option ID)
- 2--Nuclear Option (list option ID)
- 3--(list additional options as required)

NOTE: Only Exhibit 1 is actually attached to this tab as a sample format.

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EXHIBIT 1 TO TAB A TO APPENDIX 1 TO ANNEX C TO COMUSAFE OPLAN 4123-97 (U)
NUCLEAR OPTION (LIST OPTION ID) (U)

OPTION IDENTIFICATION _____

1. () OBJECTIVE:

2. () OPTION DESCRIPTION:

Target Island
Target
Patrol Inactivation
Basic
every 1000 km

SORTIE TIME	TARGET	CNTY	TDI	BE	DGZ	DELIVERY SYS/TAC	REACT'N TIME								
ID NR	ALD	TI/DGZ	DESCRIPT/NAME	CODE	CAT	NR	LAT/LONG	VEH	WEP	YIELD	HOB	CEP	PD	INIT'L	<i>Delivery</i>

NOTES:

Accounting line
Designated

1. JOPES, Volume II, Annex C, contains definitions.
2. Commanders may add additional elements or headings to meet their requirements. All headings or changes should be appropriately footnoted.

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NOTES (CONTINUED):

3. Targets that appear in multiple suboptions should be cross-referenced. All targets required to achieve the stated objectives of the options should be included in the option. Planners must flag those installations or DGZs included in the options that exceed the limitations of JSCP, Annex C.
4. These column headings define the minimum required information for fixed targets.
5. Data for mobile targets may not be available in above format, but description, location, notional DGZs, etc., should clearly indicate the information necessary to plan the option.
3. () CONSIDERATIONS:
4. () SPECIAL REQUIREMENTS:

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TAB B TO APPENDIX 1 TO ANNEX C TO COMUSAFE OPLAN 4123-97 (U)
NUCLEAR OPTIONS ANALYSIS (U)

() Insert a statement indicating that each Nuclear Option Analysis (NOA) is presented in an exhibit to this tab.

Exhibits:

- 1--NOA for Option (list option ID)
- 2--NOA for Option (list option ID)
- 3--(list additional options as required)

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EXHIBIT 1 TO TAB B TO APPENDIX 1 TO ANNEX C TO COMUSAFE OPLAN 4123-97 (U)
NUCLEAR OPTION ANALYSIS (U)OPTION IDENTIFICATION (LIST OPTION ID)

1. () OBJECTIVE. Submit the final tabulation of the option analysis for review as a separate attachment to the operation plan. Limit distribution to the Joint Chiefs of Staff. Include statements about what results could be expected if both military and economic targets were destroyed. Explain the results in terms of degradation of military capability, percent degradation of production capability, etc., as appropriate. Identify any areas that may be affected by significant fallout.
2. () ANALYSIS INFORMATION. For each option or suboption summary, give this information:
 - a. () SORTIE INFORMATION:

SORTIE		DELIVERY SYS/TAC					PA ¹			ADN
		DGZ								
ID	ALD	VEH	WPN	YIELD	HOB	CEP	TGT	PSB	TI/DGZ	
	LAT/LONG		PAR	FATALITIES						

population at risk

NOTE: 1 PA stands for probability of arrival.

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b. () TARGET INFORMATION:

ALD	TARGET BE	CNTY	TDI	ACE
	DESCRIPTION/NAME	CODE	CAT	CAT
	NR	VNTK	PD	

(CBA ESCAP)

Vulnerability
number

c. () SIOP IMPACT. For strategic ballistic missile forces that have a SIOP assignment or for targets that affect the SIOP, include in the NSO analysis attachment an assessment of the impact upon the SIOP provided by the Joint Strategic Target Planning Staff (JSTPS). (For strategic bomber forces that have a SIOP assignment, SIOP impact must be provided as part of execution planning.)

- dated

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VNTK - target vulnerability indicator -
hardness, survivability to blast + k-factor

VN = vulnerability number

T = Dominant damage mechanism

K = Nomenclature for scaling

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TAB C TO APPENDIX 1 TO ANNEX C TO COMUSAFE OPLAN 4123-97 (U)
RECONNAISSANCE OPERATIONS TO SUPPORT NUCLEAR OPTIONS (U)

(U) REFERENCES: List documents and other plans that have a significant bearing on the conduct of reconnaissance operations to support nuclear options.

1. () OBJECTIVE. State what type of information is to be provided through airborne reconnaissance and to whom (i.e., national-level decision maker, theater-level commander, or weapons employment unit). Briefly identify the airborne reconnaissance effort required by system, if known, (e.g., TR-1/ ASARS II, U-2/SENIOR SPAN, RC-135/RIVET JOINT) to support nuclear options. Refer to the basic plan and include information that would affect airborne reconnaissance operations.

2. () OPTION DESCRIPTION. Provide a general description of each operation (combination of platform, sensors, data links, ground stations) to include geographic locations and types of targets (fixed or mobile). Use suboptions within an option to break down a large number of objective targets into more manageable groups. Use the table format attached to this tab to provide specific information for proposed individual strikes within an option or suboption. Include an orientation map for each option indicating DGZs.

3. () CONSIDERATIONS. Briefly state special considerations or circumstances that affect the employment of airborne reconnaissance forces in support of nuclear options. Establish response times of airborne reconnaissance assets. Briefly describe capability to perform missions with organic airborne reconnaissance assets. If, to achieve desired reconnaissance coverage, the commander will need NCS coordination in tasking national reconnaissance assets, or overhead or airborne assets operated by the commander of other unified or specified commands or the Director of the NSA, state that need here.

4. () SPECIAL REQUIREMENTS. Address each of these subjects:

a. () Execution. Clearly state the airborne reconnaissance execution authority as outlined in the JSCP, Volume II, Annex C.

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- b. () Commitment of Forces. Designate or allocate airborne reconnaissance, both standoff and penetrating, forces to support nuclear options. Refer to guidance for the commitment of reconnaissance assets provided in JSCP, Volume II, Annex C.
- c. () Tasks. List the detailed tasks to be performed by each subordinate command to support nuclear options. Include forward basing options when deployed operations are required.
- d. () Timing. Time aircraft sorties to achieve the earliest possible collection of data consistent with sensor capability, data link capability (if any), aircrew availability, and system survivability. Remember system survivability is a function of platform, sensor, data link, and ground station survivability.
- e. () Planning Restrictions. Establish appropriate planning restrictions to include over-flight restrictions.
- f. () Processing. Establish special requirements or procedures for processing mission products once received by an appropriate ground station or analysis component. Provide approximate number of hours required for processing, exploiting, and reporting mission products.
- g. () Reporting. Include specific procedures and time lines for reporting airborne reconnaissance information. Specify that the primary means to report nuclear operations data is through the Joint Reporting Structure as outlined in the Coordination of Atomic Operations SOP.
- h. () Prestrike Reconnaissance. Specify requirements for, and capability to conduct prestrike airborne reconnaissance. Recommend tabular format to address airborne system (platform/ sensor combinations) capabilities versus general categories of reconnaissance data requirements needed to support various nuclear options.
- i. () Coordinating Instructions. Give information and procedural guidance necessary to coordinate the airborne reconnaissance effort. Include:
 - (1) () Special rules of engagement.
 - (2) () Requirements for coordination with national strategic plans or programs.

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- (3) () Survivability criteria or procedures.
- (4) () Procedures to enable dynamic retasking inflight.
- 5. () RECONNAISSANCE COVERAGE DATA. (See enclosure to this tab for specific data.) Include any additional information necessary for a clear understanding of planned airborne reconnaissance coverage.
- 6. () EXTERNAL FORCE (NATIONAL SUPPORT). Describe support needed to satisfy airborne reconnaissance requirements.

Exhibits: (Identify separate exhibits for each nuclear option.)

- 1--Reconnaissance Coverage Data for Option (list option ID)
- 2--Reconnaissance Coverage Data for Option (list option ID)
- 3--(list additional options as required)

NOTE: Only Exhibit 1 is actually attached to this tab as a sample format.

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EXHIBIT 1 TO TAB C TO APPENDIX 1 TO ANNEX C TO COMUSAFE OPLAN 4123-97 (U)
RECONNAISSANCE COVERAGE DATA (U)

OPTION IDENTIFICATION:

- 1. () OBJECTIVE.
- 2. () OPTION DESCRIPTION.

OPTION _____ SUBSET _____

1	2	3	4	5	6	7	8	9	10
TARGET PLUS ISLE/DGZ TGT	DGZ LAT/LON	TDD VERSION	UNIT SORTIE	AIRCRAFT	LAUNCH	RECOVERY	SENSOR	RESPONSE TIME	LAUNCH plus Tgt
		target hcz designator			BASE	BASE			
					ICAO/ DESC	ICAO/ DESC			

3. () CONSIDERATIONS.

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