

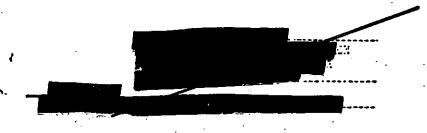
PONAST II

VOLUME II

PREATTACK MEASURES

54

23 May 1973



(U) Although this JCS study involved the participation of OSD, OEP, CIA, DCPA, DIA, DCA, and State Department with contributions from 24 other departments and agencies, it does not necessarily represent the views of the Secretary of Defense or the heads of the other participating or contributing departments and agencies.

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 _

(U) PURPOSE

VOLUME II **PREATTACK**-MEASURES PART I. INTRODUCTION The purpose of this volume is to set the stage for the ensuing analysis of the simulated strategic nuclear exchange. It insures that the preattack measures of the United States and the Soviet Union show a logical sequence of actions and indicate postures, both military and civilian, that both sides could have attained prior to the nuclear attack. Agencies <u>11</u> represented in the Post-Nuclear Attack Study (PONAST) con-12 sidered it vital to the success of the study that the preattack <u>13</u> preparations were identified to as great an extent as and readi-14 possible. The various defense conditions. ness conditions were examined in light of the imposed

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B. ORGANIZATION

deterioration of world events.

Alternative Nuclear Exchange Scenarios (FIGURE 1-1).

and measures for Scenario A are presented in the next four parts of this volume. Part II summarizes the events which provide or reflect the increasing tension of the preattack period. Part III summarizes the preattack control and readiness measures taken by the respective national governments. Part IV describes the military preattack measures implemented by both sides. Part V deals with the preattack measures on behalf of, and responses by, the civilian population. Part VI is a description of Scenarios B and C. Part VII is a summation of the observations concerning the events as indicated in this volume.

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C. SUMMARY OF KEY DATES--1970-71--Scenario A

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FIGURE III-1

SYNOPSIS OF ACTIVATION OF US GOVERNMENT CONTINUITY PLANS AND EMERGENCY CONTROL ACTIONS

RELOCATION

(INCLUDING CURRENT & EMERGENCY AUTHORITIES AS PROVIDED IN APPLICABLE RESOURCE MANAGEMENT PLANS)

(U) Due to rather substantial and fairly recent reorganizations 23 in many departments and agencies, vital records were found to be seriously deficient, and urgent improvements were carried out.

LINES OF SUCCESSION

(U) Lines of succession were up-to-date, but agencies were re-_____to reexamine pertinent orders and quested by OEP as of _ assure that all parties would be fully informed of developments.

RESOURCE MANAGEMENT PLANS

agencies were requested by OEP to review their plans to assure that all necessary documents and other preparations were as complete as possible.

> FIGURE III-1 PART III VOLUME II

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23 24 <u>25</u> 26 <u>27</u>

UNITED STATES

	<u>20</u>
2. (U) Civil Defense Training. State and local governments,	<u>21</u>
with the assistance of the universities in the Civil Defense	22
University Extension Program, began intensified training of	23
employees and volunteers in civil defense emergency operations	24
skills on 27 December 1970. Figure V-1 sets forth the personnel	<u> 25</u>
requirements established by the State and local governments,**	26
together with the number of trained personnel available as of	27
27 December 1970 and us of 5 January 1971.	_

45 C No.

^{**}As stated in Civil Defense Annual Program papers submitted to OCD Regional Offices. Data as of 1 July 1970.

(U) Shelter Utilization Planning. Near the end of December 1970, State and local officials responsible for existing community shelter utilization accelerated work on their planning projects, while those who had completed their shelter allocation plans reviewed them. As plans were completed or updated, many communities released the results to the public, generally through publication in area newspapers. With the , the OCD urged all local governments declaration of to publish in their local newspapers their local shelter utilization plans. Where such plans were not available, local governments were urged to publish lists of the public shelters available together with such gross allocation as could be accomplished in 24 hours. By 4 January 1971, the public throughout the country had been advised of the shelters available to them. In a number of rural counties people were told that very little public shelter was available. In some of the larger cities refined shelter allocation plans were not available, so information to the residents of these metropolitan areas was primarily through publication of the lists of public shelters.

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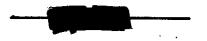
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7. (C) Activation of State and Local Continuity Plans



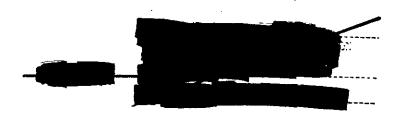
PONAST II

VOLUME III

NATIONAL SURVIVAL

APPENDIX D
COMMAND, CONTROL, AND COMMUNICATIONS

23 May 1973



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Communications Capability after a Strategic Nuclear Attack	•	DIA Locations and SPINTCOMM
Developed in Support of PONAST		Communications Capability after a
Detailed Analysis of the Federal Telecommunications System		AT&T Analysis Results and Conclusions Developed in Support of PONAST D-D-16
		Detailed Analysis of the Federal Telecommunications System D-E-141
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APPENDIX D TO VOLUME III
COMMAND, CONTROL, AND COMMUNICATIONS (C3)
PART I UNITED STATES MILITARY
INTRODUCTION AND SUMMARY
. (U) Introduction. (It was considered desirable to
ort the results of the attack on $\ensuremath{\mathbb{C}}^3$ in one section of the
ly report. Although some mention, for clarity, has been

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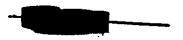
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report the results of the attack on C³ in one section of the study report. Although some mention, for clarity, has been put in the basic Volume III, this Appendix with its Annexes gives full coverage to the subject, and may, for completeness, repeat some of the information contained in the basic Volume.) 2. (U) Organization. In the material which follows, Defense

- 11 Communication Agency (DCA) summaries of the results of the 12 attacks give an appreciation for communication losses suffered <u>13</u> by the US. This is followed by the attack results as they 14 affected the National Command Authorities (NCA).* the Services. <u>15</u> and the commanders of the Unified and Specified Commands 16 (CINCs). Figures are provided to give the survival status of 17 officials (Figure I-1), headquarters (Figure I-2), C3 worldwide 18 (Figure I-3), and selected US facilities (Figure I-4). Individual 19 Service summaries comprise the next part of this Appendix, <u>20</u> followed by military intelligence support capability summaries. <u>21</u> Next, C^3 as it applies to the civil leadership is presented. 22 Finally, the USSR Command and Control is addressed. The Annexes 23 present more specific and detailed information. 24
 - Summary of Results

DCA	SUMMARYSCENARIO A	•

	1.	(V)	Purpose:	To	provide	an	overall	summary	οf	DCS	communi-	30
at	tions	at	the end	of th	e Scena	rio	A attacl	k,.			•	31



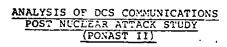


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•		
	2. (U) Scope: Overall status of the residual DCS of	communications <u>l</u>
	is summarized for the following:	2
	a. US/Canada to European area.	<u>3</u>
	b. Intra-Europe	
	c. US/Canada to Pacific area.	5
•	d. Intra N. America.	<u>-</u> <u>€</u>
		

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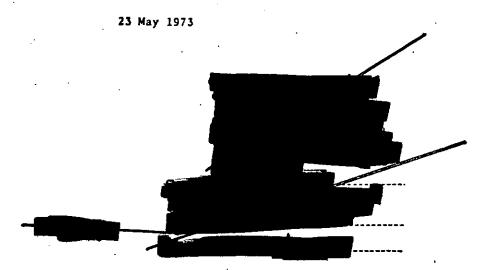


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the detailed data from which these summaries were property.		
2. (U) <u>Scope</u>	<u>15</u>	
This study included an analysis of the worldwide DCS.	<u>16</u>	•
Commercial facilities such as commercial satellites, submarine	<u>17</u>	
cables, and the US and foreign commercial landline networks	<u>18</u>	
are included, in addition to the military cable, microwave,	19	,
tropospheric scatter, HF radio, and military satellite links.	20	
3. (#) Methodology	21	

PONAST II

VOLUME III NATIONAL SURVIVAL



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VOLUME III

NATIONAL SURVIVAL

PART I

INTRODUCTION

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A. PURPOSE AND ORGANIZATION

- 1. (U) Purpose. The purposes of this volume are: (a) to assess the capability of the US and the USSR to survive and continue the conflict; (b) to provide a basis for determining what actions could be taken to enhance survivability, reconstitution, and rehabilitation of the US; and (c) to continue the development of the analytical procedures for post-nuclear attack study (Volume V). (The capability to recover for both nations is assessed in Volume IV.)
- 2. (U) Organization. The INTRODUCTION section provides a summary of the attack* used in the study. Part II consists of the Scenario A analyses of the national survival of the US and the USSR. Part III contains the observations for this volume (based on all three scenarios) and, in particular, contributes to the first and second aspects of the purpose as stated above.

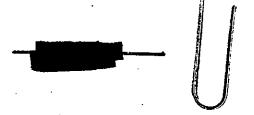
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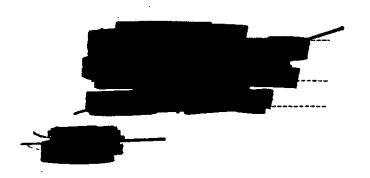
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PONAST II

VOLUME IV
NATIONAL RECOVERY

23 May 1973



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VOLUME IV NATIONAL RECOVERY PART I.4 INTRODUCTION

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B. (U) PURPOSE

The analysis of the recovery period has the dual purposes of ascertaining both for the US and for the USSR: (1) whether the surviving national economy retained sufficient power to recover from the attack, and if so, (2) how soon the recovery could be achieved. To create a basis for making such findings for each adversary, the recovery period analysis develops for each a series of annual production programs, beginning with that for Year One which runs from the seventh month through the eighteenth month after the attack--Year Two, nineteenth through the thirtieth month, etc. The resulting series of production year simulations depicts a recovery production plan designed both to meet the recovery objective and to show the number of years required.

,

C. (U) ORGANIZATION

It is first required that the national economic goals, objectives, and guideposts be selected and defined in terms sufficiently explicit to provide a measure of recovery attainment. It is then necessary to establish the capacity limitations and other constraints on output. The next step is the specific quantification of those final demands which must be satisfied in order to fulfill the goals and objectives. Finally, a set of annual final demand statements must be devised which will satisfy the goal-filling demand statements as quickly as possible while not exceeding the production capacities available in each year. The resulting set of feasible annual production schedules will constitute the plan for recovery with which to fulfill the stated purposes of the recovery analysis. The interrelationships of the various elements of the national economic goals, objectives, and guidelines used in the recovery analysis of the United States are illustrated in Figure IV-1. The goals and objectives for the USSR are shown in Figure N-2.

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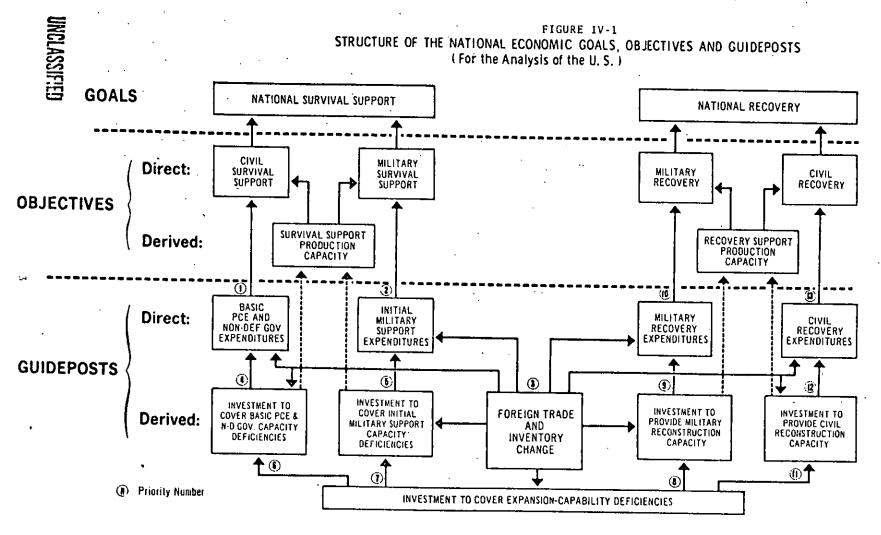
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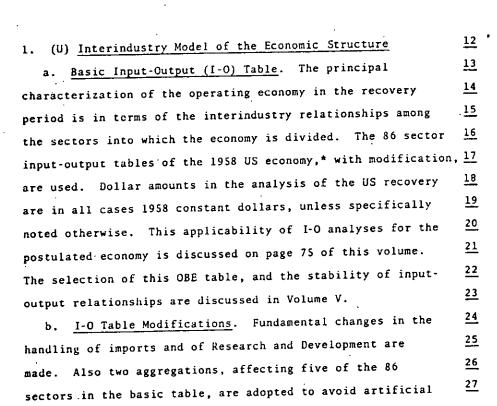
PAGIRE IV 1

STRUCTURE OF THE ANALYSIS FOR THE USSR RECOVERY

FIGURE IV-2

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PART II	1
UNITED STATES	<u>2</u>
A. NATIONAL ECONOMIC GOALS, OBJECTIVES, AND GUIDEPOSTS	<u>3</u>
1. (U) Goals. Two recognizably different goals guide the	4
effort in the recovery period.	<u>5</u>
a. Survival Support. The first priority goal is to	<u>6</u>
sustain the sufficiency of the economy for the maintenance	7
of national survival. As part of this, the first priority	8
survival support goal for the economy in the recovery period	9
is to maintain an adequate operating capacity and managerial	10
control of production and distribution activities. These	11
must be maintained at a level sufficient to sustain national	12
survival primarily out of current production. The intent	13
here is to insure that this support can be continued	14
indefinitely.	<u>15</u>
b. Recovery. Once survival support is assured, the	16
effort of the economy would be directed to the attainment	<u>17</u>
of recovery. Thus, the recovery goal for the economy would	<u>18</u>
be to increase the operating capacity and managerial	<u>19</u>
control of its production and distribution activities to	<u>20</u>
the extent required to support all major national	21
expenditure categories at per capita levels comparable to	22
those in the preattack national posture.	<u>23</u>
2. (U) Objectives. In order to sustain the goal of national	24
survival support and to achieve the national recovery goal,	25
certain related direct and derived economic objectives must	<u> 26</u>
be attained in priority order. (The direct objectives call	27
for activities resulting, themselves, in some desired state	28
of affairshence, direct. The derived objectives call for	<u>29</u>
activities which result in an improved capability to support	<u>30</u>
the pursuit of one or another of the direct objectives.	31



*Office of Business Economics (OBE), Department of Commerce in the September 1963 issue of the Survey of Current Business.





Thus, the immediate derived objective is to relate to some ultimate direct objective.) Just as the two national economic goals operate in priority sequence, so the national economic objectives associated with them must be attained in the following priority.

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- a. <u>Civil Survival Support</u>. This direct objective is to maintain a standard of living sufficient to preserve the health of the population and the vigor of those who produce.
- b. Military Survival Support. This direct objective is to maintain and support the military forces at least at the level required to preserve the national independence and territorial integrity of the United States.
- c. Capability to Support Survival and Recovery. This derived objective comes in two parts.
 - (1) <u>Survival Support Capability</u>. Maintain and, as necessary, augment the capacity of the US economy to insure the continued capability to achieve the foregoing survival support objectives.
 - (2) Recovery Support Capability. Maintain and, as

 necessary, augment the capacity of the US economy to

 support attainment of the following military and civil recovery objectives.
- d. <u>Military Recovery</u>. This direct objective is to restore 23 the military strength of the United States.
- e. <u>Civil Recovery</u>. This direct objective is to restore 25
 the capacity for providing the preattack standard of living 26
 in the United States. 27

bottleneck indications. Their adoption results in the	3
reduction of the sector total from 86 to 83. The details	2
of these changes and aggregations are found in Volume V.	3
2. (8) Sector Capacity	4
a. Concept of Capacity	5



PART III	<u> </u>
USSR	2
A. MATIONAL ECONOMIC GOALS AND OBJECTIVES	3
To provide guideposts for determining the recovery of the	4
Soviet economy after the Scenario A nuclear exchange, the	5
following goals and objectives are established:	6
1. (U) Reconstitute a viable economy and make particular	2
allowances for those activities which facilitate stabilization.	8
2. (U) Provide an adequate, although austere, standard of	9
living and, where essential requirements do not conflict, increase	10
the personal consumption expenditures (PCE) on a per capita	11
basis to the preattack levels.	12
3. (U) Reestablish to preattack levels all public consumption	13
expenditures, including essential national, republic, regional,	14
and local government services.	15
4. (U) Support the surviving military forces.	16
5. (U) Rebuild military forces and combat stocks to preattack	17
levels.	18
6. (U) Expand industrial capacity to meet the demands implied .	19
by the goals listed above.	20
B. (2) FORMULATION OF DEMANDS FOR FINAL PRODUCTS	21

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AODOME 1A	=
NATIONAL RECOVERY	2
APPENDIX BSCENARIO B	3
PART I. INTRODUCTION	4
(U) As in Volume III, the purpose of an Appendix on Scenario B	<u> 5</u>
is to compare the impact of the Scenario B attack with that	<u>6</u>
of the Scenario A. Also as in Volume III the comparison is	7
made only where the results materially differ. For both	<u>a</u>
countries, Appendix B of Volume III showed major differences	9
in the population and certain key manufacturing sectors.	10
These differences have a bearing on the possible rate of	11
recovery. Therefore it becomes the purpose of this Appendix	12
co compare the prognosis of recovery under Scenario B with	<u>13</u>
hat found plausible for Scenario A. An explicit comparison	14
would require the construction of a fully tested Scenario B	<u>15</u>
ecovery production plan. However, an adequate approximation	16
f the comparison is obtained from the results of substituting	17
cenario B attack residuals for those of Scenario A in the	18
xecution of the first two years of the final Scenario A plan.	<u>19</u>
his procedure shows the deficits which would have to be	<u>20</u>
vercome or accommodated in the formulation of a satisfactory	21
cenario B plan. Estimates are made from these deficiencies	22
f the added time that would be required for such plans	23