

Approved For Release 2003/12/19 : CIA-RDP78B04560A007500010009-4

**Secret**

(see inside cover)

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NATIONAL PHOTOGRAPHIC  
INTERPRETATION CENTER

**P**HOTOGRAPHIC  
**E**XPLOITATION  
**P**RODUCTS

**QUARTERLY INDEX TO  
PHOTOGRAPHIC EXPLOITATION PRODUCTS  
OCTOBER - DECEMBER 1977**

**Secret**

NPIC/R-04/77  
FEBRUARY 1978

Declass Review by NIMA/DOD

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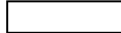
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PHOTOGRAPHIC EXPLOITATION PRODUCTS

**QUARTERLY INDEX TO  
PHOTOGRAPHIC EXPLOITATION PRODUCTS  
OCTOBER - DECEMBER 1977**

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## INTRODUCTION

The Index to Photographic Exploitation Products is a guide to the contents of reports and memoranda produced by means of photographic interpretation. These are added to the Exploitation Products Data File (EPF) of the National Base of Image-Derived Information (NBIDI) when received by the National Photographic Interpretation Center (NPIC). The index includes imagery interpretation reports produced by various components of the Army, Navy, Air Force, Central Intelligence Agency, Defense Intelligence Agency, and foreign governments, as well as those produced by NPIC. At the request of the intelligence community, this publication is compiled and published quarterly then cumulated annually by NPIC for the use of properly cleared components of USIB member organizations.

Listed documents are on file in NPIC, and microfiche copies are available to requesters when parent organizations are unable to provide copies. Information, such as bibliographies on specific subjects, is available from the EPF to answer requests which cannot be satisfied from the PEP.

Requests for regular distribution of the PEP, for additional information from the EPF, or for microfiche copies of documents should be channeled through appropriate liaison offices located in NPIC. Organizations which do not have a liaison office in NPIC should submit the request in writing to: NPIC/PSG/RSD/IB.

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### GUIDE TO USERS

The PEP consists of six indexes:

- Subject in alphabetic sequence.
- Originator in report type/number sequence.
- General category with subject in alphabetic sequence.
- Geographic coordinate sequence. (Geographic coordinates are listed where a single area is involved.)

- WAC/BE number sequence.
- Accession number sequence.

The accession number sequence may be referred to for complete information on each document, including edited abstracts. An asterisk at the end of an abstract indicates the abstract was prepared by the Reports Analysis Section. Selected information is contained in the other sequences. The accession number should be used when requesting microfiche copies of documents.

### TYPICAL ACCESSION CITATION

AF REPT 15-72 14 AUG 72 SEC CLASS.07 MSN [Redacted] 3P ACCN: S059381  
 BYDGOSZCZ AIRFIELD HANGARETTES U/C COVER NEW PL 530548N 0175843E  
 WAC NO : 0169 BE/OBJ NO: [Redacted] NPIC NO : -20-A  
 IDHS CODE: [Redacted] PFC CAT : 05A COMIREX NO: [Redacted]

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COMMENTS AND QUERIES REGARDING THIS REPORT ARE WELCOMED.  
THEY MAY BE DIRECTED TO NPIC/PSG/RSD/IB/RAS [Redacted]

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### ABBREVIATIONS AND NUMERIC CODES

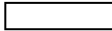
#### REPORT TYPES

BIIB	- Basic Imagery Interpretation Brief	NBRG	- National Basic Reference Graphic
BIIR	- Basic Imagery Interpretation Report	NEDR	- Detailed Photographic Interpretation Report (Near East)
BRAD	- Briefing Aid (Only microfiche copies are available.)	NEGR	- General Photographic Interpretation Report (Near East)
BREF	- Photographic Interpretation Brief	NEIR	- Initial Photographic Interpretation Report (Near East)
DPIR	- Detailed Photographic Interpretation Report	NESR	- Special Photographic Interpretation Report (Near East)
DSIIB	- Direct Support Imagery Interpretation Brief	NEWS	- Technical Newsletter
DSIIR	- Direct Support Imagery Interpretation Report	NOTE	- Photographic Interpretation Note
ENDR	- Engineering Drawing	PIN	- Photographic Interpretation Note
FEDR	- Detailed Photographic Interpretation Report (Far East)	PIR	- Photographic Interpretation Report
FEGR	- General Photographic Interpretation Report (Far East)	REPT	- Photographic Interpretation Report
FESR	- Special Photographic Interpretation Report (Far East)	SPIR	- Special Photographic Intelligence Report
IIM	- Imagery Interpretation Memorandum	TP	- Technical Publication
INFR	- Inter-office Memorandum		
IRA	- Imagery Research Aid		
IRP	- Imagery Research Paper		
LOT	- Letter of Transmittal		
MEMO	- Memorandum		
MODL	- Model Announcement		
NAIR	- New Applications of Imagery Report		

#### SECURITY CLASSIFICATION

00	- UNCLASSIFIED		
04	- SECRET		
05	- SECRET/		25X1
07	- CONFIDENTIAL		
08	- CONFIDENTIAL/		25X1

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**ORIGINATOR**

ACDA - ARMS CONTROL AND DISARMAMENT AGENCY

AF - AIR FORCE

ARMY - ARMY

CIA - CENTRAL INTELLIGENCE AGENCY

DIA - DEFENSE INTELLIGENCE AGENCY

GMAIC - GUIDED MISSILE AND ASTRONAUTICS INTELLIGENCE COMMITTEE

JOINT - JOINT (2 or more USIB members participating)

NATO - NORTH ATLANTIC TREATY ORGANIZATION

NAVY - NAVY

NPIC - NATIONAL PHOTOGRAPHIC INTERPRETATION CENTER

NSA - NATIONAL SECURITY AGENCY

NTPC - NATIONAL TECHNICAL PROCESSING CENTER

SAC - SAC (544th RTS)

SAC-1 - SAC-1 (8th RTS)

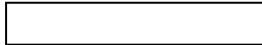
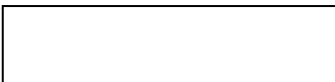
SAC-2 - SAC-2 (3921 ST RTS)

SAC-C - SAC-C (15th RTS)

STL - SPACE TECHNOLOGY LABORATORY

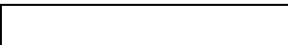
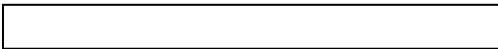
USIB - UNITED STATES INTELLIGENCE BOARD

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## EPF SUBJECT CATEGORIES

### 05 - AIR ACTIVITY

Airfields, seaplane stations, aircraft, storage, production, research, training, aerohydrodynamic vehicles, and air defense activity.

### 10 - GENERAL ACTIVITY

Complex studies, unidentified installations/equipment, and terrain or agriculture analyses.

### 13 - BIOLOGICAL/CHEMICAL WARFARE ACTIVITY

Research, production, testing, training, and storage.

### 15 - COMPREHENSIVE REPORTS

Mission readouts, summaries, and country or area studies.

### 25 - ELECTRONICS/COMMUNICATIONS ACTIVITY

Radar and radio installations/equipment, missile, air, naval related installations, equipment, production, research, testing.

### 30 - INDUSTRIAL ACTIVITY

Raw materials, basic processing, heavy and light industry, chemical plants, and power facilities. (For shipbuilding, see NAVAL. For nuclear power plants, see NUCLEAR.)

### 35 - MILITARY ACTIVITY

Ground force installations/equipment, production, testing, research, and repair.

### 40 - MISSILES & SPACE ACTIVITY

Sites, research, production, storage, and equipment.

### 55 - NUCLEAR ACTIVITY

Mining, production, research, testing, storage, and nuclear power plants.

### 60 - OVERLAYS/PLOTS

Mission Coverage Plots, Mission Coverage Statistics, tracks, and annotate maps.

### 65 - RESEARCH AND DEVELOPMENT ACTIVITY

Technical publications and miscellaneous R&D installations.

### 75 - NAVAL ACTIVITY

Submarine bases, naval bases and air stations, shipyards, research, and equipment

### 80 - STORAGE ACTIVITY (NON-MILITARY)

POL storage, agricultural storage, and industrial storage.

### 85 - TRANSPORT AND PIPELINE ACTIVITY

Road and rail activity, pipelines, and canal systems.

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PART II

Listing of Reports by Originator

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R-04/77

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ORIG	TYPE	REPT No.	DATE	CONTROL No.	SEC CLASS	ACCN No.
AF	BIIR	RFB22-5002-77	JAN 77		05	S080504
AF	BIIR	RFB22-5003-77	APR 77		05	S080512
AF	BIIR	RFB22-5005-77	APR 77		04	S080509
AF	DSIIB	BEE04-8005-77	10 MAR 77		05	S080506
AF	DSIIB	BEE10-8007-77	24 MAY 77		05	S080521
AF	DSIIR	REE04-8006-77	10 APR 77		05	S080518
AF	ENDR	B1009-77	07 SEP 77		05	S081637
AF	ENDR	B3005-77	11 APR 77		07	S081054
AF	ENDR	B3006-77	02 MAY 77		07	S081055
AF	ENDR	C1007-77	13 JUN 77		07	S081056
AF	ENDR	C3010-77	19 AUG 77		04	S081639
AF	ENDR	C3011-77	25 AUG 77		05	S081640
AF	ENDR	E1030-1-70	10 JUN 77		05	S081071
AF	MEMO	24-77	11 MAR 77		05	S080590
AF	PAR	2-77	08 JUL 77		07	S081030
AF	PAR	3-77	15 JUN 77		05	S081031
AF	PAR	5-77	11 AUG 77		07	S081621
AF	STDY	1-77	JAN 77		05	S080514
ARMY	BIIB	BAC24-5002-77	OCT 77		08	S081480
ARMY	BIIB	BAC24-5003-77	SEP 77		05	S081363
ARMY	BIIR	RAC24-5006-77	JUL 77		05	S080895

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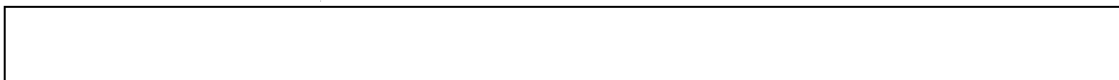
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ORIG	TYPE	REPT No.	DATE	CONTROL NO.	SEC CLASS	ACCN NO.
ARMY	NOTE	12-77	APR 77		05	S080513



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CIA	BIIR	RCS13-0003-77	SEP 77		05	S081472
CIA	BIIR	RCS13-0005-77	JUL 77		05	S080881
CIA	BIIR	RCS13-0009-77	SEP 77		05	S081675
CIA	BIIR	RCS13-0010-77	SEP 77		05	S081447
CIA	BIIR	RCS13-0011-77	SEP 77		05	S081475
CIA	BIIR	RCS13-0012-77	SEP 77		05	S081612
CIA	BIIR	RCS13-0013-77	SEP 77		05	S081676
CIA	BIIR	RCS13-0015-77	SEP 77		05	S081449
CIA	BIIR	RCS13-0016-77	SEP 77		05	S081471
CIA	BIIR	RCS13-0017-77	SEP 77		05	S081616
CIA	BIIR	RCS13-0020-77	SEP 77		05	S081473
CIA	INFR	IS10122-77	17 OCT 77		05	S081747
CIA	INFR	IS10123-77	14 OCT 77		05	S081748
CIA	INFR	IS10156-77	15 NOV 77		05	S082080
DIA	NBRG	NDA06-5074-77	25 JUL 77		05	S080861
DIA	NBRG	NDA06-5075-77	25 JUL 77		05	S080862
DIA	NBRG	NDA06-5076-77	25 JUL 77		05	S080863

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ORIG	TYPE	REPT NO.	DATE	CONTROL NO.	SEC CLASS	ACCN NO.
DIA	NBRG	NDA06-5077-77	04 AUG 77		05	S080994
DIA	NBRG	NDA06-5078-77	04 AUG 77		05	S080995
DIA	NBRG	NDA06-5079-77	05 OCT 77		05	S081567
DIA	NBRG	NDA06-5080-77	05 OCT 77		05	S081568
DIA	NBRG	NDA06-5081-77	05 OCT 77		05	S081569
DIA	NBRG	NDA06-5087-77	27 OCT 77		05	S081703
DIA	NBRG	NDA06-5088-77	27 OCT 77		05	S081704
DIA	NBRG	NDA06-5089-77	27 OCT 77		05	S081705
DIA	NBRG	NDA06-5090-77	27 OCT 77		05	S081706
DIA	NBRG	NDA06-5091-77	08 NOV 77		05	S082033
DIA	NBRG	NDA06-5092-77	08 NOV 77		05	S082034
DIA	NBRG	NDA06-5093-77	08 NOV 77		05	S082035
DIA	NBRG	NDA06-5094-77	08 NOV 77		05	S081879
DIA	NBRG	NDA06-5095-77	12 NOV 77		05	S082036
DIA	NBRG	NDA06-5096-77	12 NOV 77		05	S082037
DIA	NBRG	NDA07-5255-77	29 JUL 77		05	S080976
DIA	NBRG	NDA07-5256-77	29 JUL 77		05	S080977
DIA	NBRG	NDA07-5257-77	29 JUL 77		05	S080978
DIA	NBRG	NDA07-5258-77	29 JUL 77		05	S080979
DIA	NBRG	NDA07-5259-77	29 JUL 77		05	S080980
DIA	NBRG	NDA07-5260-77	29 JUL 77		05	S080981

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ORIG	TYPE	REPT No.	DATE	CONTROL No.	SEC CLASS	ACCN No.
DIA	NBRG	NDA07-5261-77	29 JUL 77		05	S080982
DIA	NBRG	NDA07-5262-77	29 JUL 77		05	S080983
DIA	NBRG	NDA07-5263-77	29 JUL 77		05	S080984
DIA	NBRG	NDA07-5264-77	29 JUL 77		05	S080985
DIA	NBRG	NDA07-5265-77	29 JUL 77		05	S080986
DIA	NBRG	NDA07-5266-77	29 JUL 77		05	S080987
DIA	NBRG	NDA07-5267-77	29 JUL 77		05	S080988
DIA	NBRG	NDA07-5268-77	29 JUL 77		05	S080989
DIA	NBRG	NDA07-5269-77	29 JUL 77		05	S080990
DIA	NBRG	NDA07-5270-77	29 JUL 77		05	S080991
DIA	NBRG	NDA07-5271-77	29 JUL 77		05	S080992
DIA	NBRG	NDA07-5272-77	29 JUL 77		05	S080993
DIA	NBRG	NDA07-5273-77	12 SEP 77		05	S081593
DIA	NBRG	NDA07-5274-77	12 SEP 77		05	S081594
DIA	NBRG	NDA07-5275-77	12 SEP 77		05	S081595
DIA	NBRG	NDA07-5276-77	12 SEP 77		05	S081596
DIA	NBRG	NDA07-5277-77	12 SEP 77		05	S081597
DIA	NBRG	NDA07-5278-77	12 SEP 77		05	S081598
DIA	NBRG	NDA07-5279-77	12 SEP 77		05	S081599
DIA	NBRG	NDA07-5280-77	12 SEP 77		05	S081600

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ORIG	TYPE	REPT NO.	DATE	CONTROL No.	SEC CLASS	ACCN NO.
DIA	NBRG	NDA07-5281-77	12 SEP 77		05	S081601
DIA	NBRG	NDA07-5282-77	12 SEP 77		05	S081602
DIA	NBRG	NDA07-5283-77	12 SEP 77		05	S081603
DIA	NBRG	NDA07-5284-77	12 SEP 77		05	S081604
DIA	NBRG	NDA07-5285-77	12 SEP 77		05	S081605
DIA	NBRG	NDA07-5286-77	12 SEP 77		05	S081606
DIA	NBRG	NDA07-5287-77	12 SEP 77		05	S081607
DIA	NBRG	NDA07-5288-77	12 SEP 77		05	S081608
DIA	NBRG	NDA07-5289-77	12 SEP 77		05	S081609
DIA	NBRG	NDA07-5290-77	12 SEP 77		05	S081610
DIA	NBRG	NDA07-5291-77	12 SEP 77		05	S081611
DIA	NBRG	NDA07-5329-77	31 AUG 77		05	S081308
DIA	NBRG	NDA07-5330-77	31 AUG 77		05	S081309
DIA	NBRG	NDA07-5331-77	31 AUG 77		05	S081310
DIA	NBRG	NDA07-5332-77	31 AUG 77		05	S081311
DIA	NBRG	NDA07-5333-77	31 AUG 77		05	S081312
DIA	NBRG	NDA07-5334-77	31 AUG 77		05	S081313
DIA	NBRG	NDA07-5335-77	31 AUG 77		05	S081314
DIA	NBRG	NDA07-5336-77	31 AUG 77		05	S081276
DIA	NBRG	NDA07-5337-77	31 AUG 77		05	S081277
DIA	NBRG	NDA07-5338-77	03 OCT 77		05	S081563

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ORIG	TYPE	REPT No.	DATE	CONTROL No.	SEC CLASS	ACCN No.
DIA	NBRG	NDA07-5339-77	03 OCT 77		05	S081564
DIA	NBRG	NDA07-5340-77	03 OCT 77		05	S081565
DIA	NBRG	NDA07-5341-77	03 OCT 77		05	S081566
DIA	NBRG	NDA07-5342-77	12 OCT 77		05	S081670
DIA	NBRG	NDA07-5343-77	12 OCT 77		05	S081671
DIA	NBRG	NDA07-5344-77	12 OCT 77		05	S081672
DIA	NBRG	NDA07-5345-77	12 OCT 77		05	S081673
DIA	NBRG	NDA07-5346-77	12 OCT 77		05	S081674
DIA	NBRG	NDA07-5347-77	14 OCT 77		05	S081661
DIA	NBRG	NDA07-5348-77	14 OCT 77		05	S081662
DIA	NBRG	NDA07-5349-77	14 OCT 77		05	S081663
DIA	NBRG	NDA07-5350-77	14 OCT 77		05	S081664
DIA	NBRG	NDA07-5351-77	14 OCT 77		05	S081665
DIA	NBRG	NDA07-5352-77	14 OCT 77		05	S081666
DIA	NBRG	NDA07-5353-77	14 OCT 77		05	S081667
DIA	NBRG	NDA07-5354-77	14 OCT 77		05	S081668
DIA	NBRG	NDA07-5355-77	14 OCT 77		05	S081669
DIA	NBRG	NDA07-5358-77	09 NOV 77		05	S081854
DIA	NBRG	NDA07-5359-77	09 NOV 77		05	S081855
DIA	NBRG	NDA07-5360-77	09 NOV 77		05	S081856

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ORIG	TYPE	REPT NO.	DATE	CONTROL NO.	SEC CLASS	ACCN NO.
DIA	NBRG	NDA07-5361-77	09 NOV 77		05	S081857
DIA	NBRG	NDA07-5362-77	09 NOV 77		05	S081858
DIA	NBRG	NDA07-5363-77	09 NOV 77		05	S081859
[redacted]						
NAVY	DSIIR	RMC06-8002-77	MAY 77		05	S080579
NAVY	DSIIR	RMC06-8005-77	JUN 77		05	S081245
NPIC	IIR	IIR071-77	13 OCT 77		05	S081677
NPIC	IIR	IIR087-77	03 SEP 77		05	S081890
SAC	DSIIR	RSF05-8004-77	APR 77		05	S080589
SAC	DSIIR	RSF05-8005-77	APR 77		05	S080588
SAC	DSIIR	RSF12-8006-77	APR 77		05	S080587
SAC	STDY	GOALKEEPER-77	01 MAY 77		05	S080188
[redacted]						

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**PART VI**

Listing of Reports by Accession Number

Approved For Release 2003/12/19 : CIA-RDP78B04560A007500010009-4

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R-04/77

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SAC STDY GOALKEEPER-77 01 MAY 77

SEC CLASS: 05BX MSN:

67P

ACCN: S080188

PROJECT GOALKEEPER SPECIAL REPORT STRAT AREA

WAC NO :	BE/OBJ NO:	NPIC NO :
IDHS CODE:	EPF CAT : 156	COMIREX NO:
MILITARY, WARSAW PACT AIR DEFENSE SYSTEM		PL
WAC NO :	BE/OBJ NO:	NPIC NO :
IDHS CODE:	EPF CAT : 35	COMIREX NO:

[redacted]

MILITARY, WARSAW PACT AIR DEFENSE SYSTEM		CZ
WAC NO :	BE/OBJ NO:	NPIC NO :
IDHS CODE:	EPF CAT : 35	COMIREX NO:
MILITARY, WARSAW PACT AIR DEFENSE SYSTEM		HU
WAC NO :	BE/OBJ NO:	NPIC NO :
IDHS CODE:	EPF CAT : 35	COMIREX NO:
MILITARY, WARSAW PACT AIR DEFENSE SYSTEM		RO
WAC NO :	BE/OBJ NO:	NPIC NO :
IDHS CODE:	EPF CAT : 35	COMIREX NO:
MILITARY, WARSAW PACT AIR DEFENSE SYSTEM		BU
WAC NO :	BE/OBJ NO:	NPIC NO :
IDHS CODE:	EPF CAT : 35	COMIREX NO:

THIS IS A SPECIAL REPORT IN A SERIES OF COMPREHENSIVE STUDIES OF THE AIR DEFENSE SYSTEM OF THE WARSAW PACT COUNTRIES. IN THIS STUDY THE WARSAW PACT STRATEGIC AREA IS CONSIDERED TO INCLUDE THE SOVIET AND NON-SOVIET AIR DEFENSE FORCES LOCATED IN POLAND, [redacted] CZECHOSLOVAKIA, HUNGARY, ROMANIA, AND BULGARIA. THIS REPORT EVALUATES OVERALL DEFENSIVE CAPABILITIES AND SUGGESTS SOME CONSIDERATIONS FOR DEFENSE SUPPRESSION AND ROUTE PLANNING. THE DETAILED ANALYSIS SUPPORTING THESE CONCLUSIONS IS NOT INCLUDED IN THIS REPORT, BUT CAN BE PROVIDED TO SPECIFIC AGENCIES UPON REQUEST. THE INTELLIGENCE CUTOFF DATE IS 1 MAY 1977.\*

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[redacted]

43  
SECRET/ [redacted]

25X1

SECRET

R-04/77

25X1



25X1

AF BIR RFB22-5002-77 JAN 77 SEC CLASS: 05 MSN: 12P ACCN: 5080504

SPACE, INTERCOSMOS 10  
WAC NO :  
IDHS CODE:

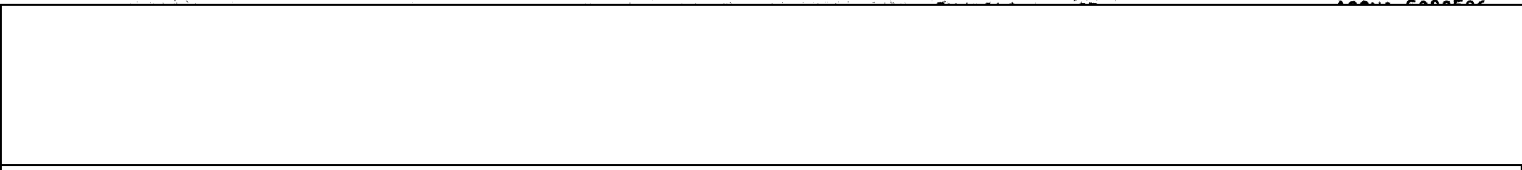
BE/OBJ NO: [redacted] UR  
EPF CAT : 40H NPIC NO :  
COMIREX NO:

25X1

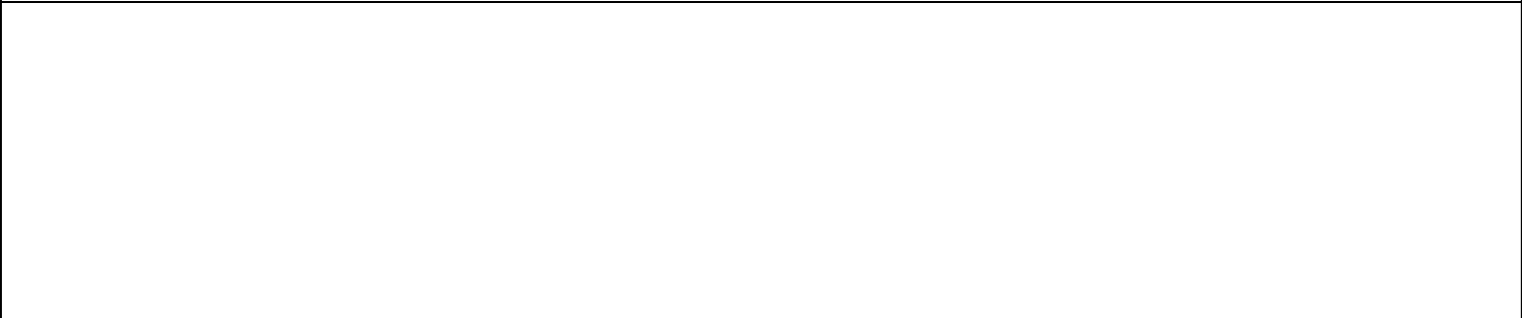
THIS REPORT PRESENTS A PHOTOGRAPHIC ANALYSIS OF THE INTERCOSMOS 10, AN ENVIRONMENTAL RESEARCH SATELLITE. IT INCLUDES A BASIC DESCRIPTION, STRUCTURAL AND MENSURAL ANALYSIS, SELECTED PHOTOGRAPHY, AND ENGINEERING DRAWINGS.

THE INTERCOSMOS 10 SATELLITE, OF CYLINDRICAL DESIGN WITH DOMED ENDS, HAS A MAIN BODY LENGTH OF 196CM AND A DIAMETER OF 78CM. WITH ITS WRAP-AROUND SOLAR PANELS AND INSTRUMENTATION DEPLOYED, THE SIZE INCREASES TO A LENGTH OF 330CM AND A SPAN OF 203CM.

25X6



5X1



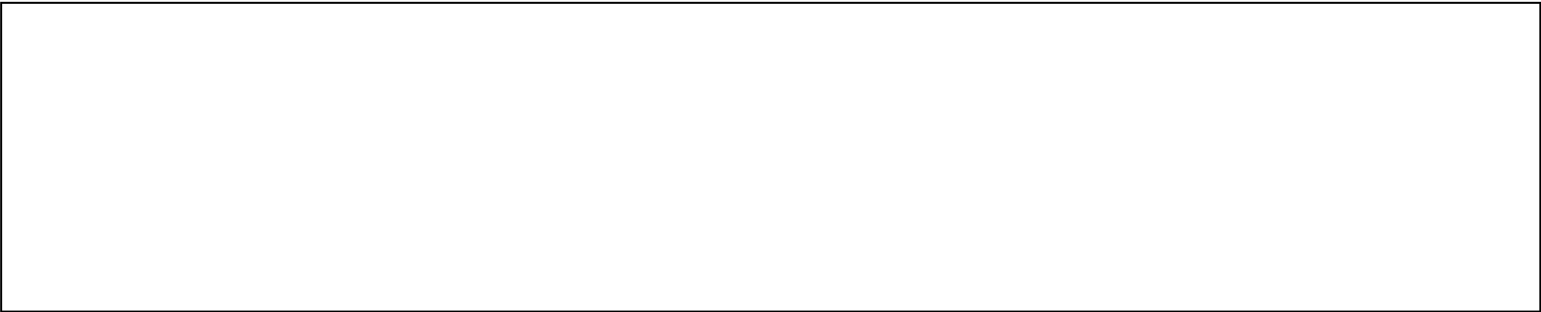
SECRET

25X1

SECRET [redacted]

R-04/77

25X1  
25X1



AF BIIR RFB22-5005-77 APR 77 SEC CLASS: 04 MSN: 11P ACCN: 5080509

AIRCRAFT: FLAGON E SU-15  
WAC NO : BE/OBJ NO: [redacted] UR  
IDHS CODE: EPF CAT : 05D NPIC NO :  
COMIREX NO:

THIS REPORT PRESENTS AN ANALYSIS OF THE FLAGON E (SU-15), A TWIN-ENGINE, MODIFIED-DELTA-WING, SINGLE-PLACE, FIGHTER AIRCRAFT DESIGNED BY THE P.O SUKHOI SPECIAL DESIGN BUREAU (OKB). THE REPORT INCLUDES A BASIC DESCRIPTION, ENGINEERING DRAWINGS, AND SELECTED PHOTOGRAPHY OF THE AIRCRAFT. THIS REPORT SUPERSEDES FTD BIIR RFB-22/5002/75, FLAGON E, AUGUST 1974.

THE FLAGON E IS AN ALL-WEATHER JET INTERCEPTOR EMPLOYING TWO ANAB (AA-3) AIR-TO-AIR MISSILES AS ARMAMENT. THIS AIRCRAFT HAS A FUSELAGE LENGTH OF [redacted]

AF BIIR RFB22-5003-77 APR 77 SEC CLASS: 05 MSN: 22P ACCN: 5080512

AIRCRAFT: FOXBAT A MIG-25  
WAC NO : BE/OBJ NO: [redacted] UR  
IDHS CODE: EPF CAT : 05D NPIC NO :  
COMIREX NO:

THIS REPORT PRESENTS AN ANALYSIS OF THE FOXBAT A (MIG-25), A SINGLE-PLACE, TWIN ENGINE, SWEEPWING JET INTERCEPTOR DESIGNED BY THE A.I. MIKOYAN SPECIAL DESIGN BUREAU (OKB). THE REPORT INCLUDES A BASIC DESCRIPTION, ENGINEERING DRAWINGS, AND SELECTED PHOTOGRAPHY OF THE AIRCRAFT.

THE FOXBAT A HAS A FUSELAGE LENGTH OF [redacted] MEASURED FROM CENTER-TO-CENTER OF THE WINGTIP MASS BALANCE PROBES.

ARMY NOTE 12-77 APR 77 SEC CLASS: 05 MSN: 3P ACCN: 5080513

45  
SECRET [redacted]

25X1

SECRET [redacted]

R-04/77

25X1

25X1  
25X1

PYONGYANG AIR DEFENSE COMMAND CENTER KN 390030N 1254858E  
 WAC NO : 0380 BE/OBJ NO: [redacted] NPIC NO : - 11-A9  
 IDHS CODE: [redacted] EPF CAT : 25H COMIREX NO: [redacted]

25X1

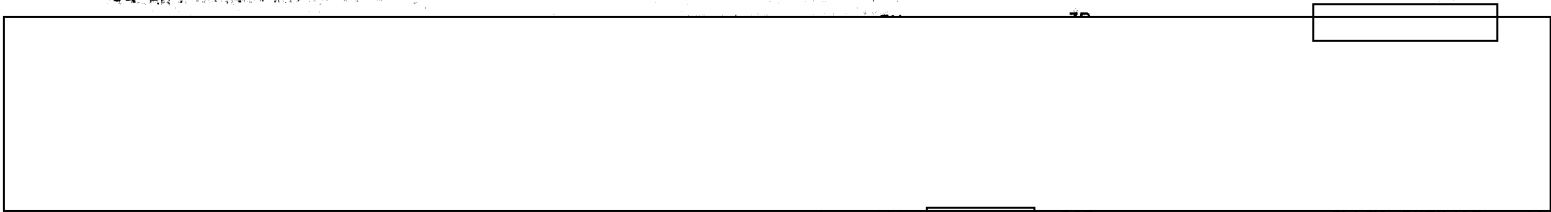
CONFIRMATION, IN PART, OF AN INFORMATION REPORT BY SATELLITE PHOTOGRAPHY HAS PROVIDED IDENTIFICATION OF A PROBABLE AIR DEFENSE COMMAND CENTER IN NORTH KOREA.

AF STDY 1-77 JAN 77 SEC CLASS: 05 MSN: 161P ACCN: S080514

MILITARY, DEFENSE STRUCTURES KOREAN DMZ KN  
 WAC NO : BE/OBJ NO: NPIC NO :  
 IDHS CODE: EPF CAT : 35 COMIREX NO:  
 MILITARY, DEFENSE STRUCTURES KOREAN DMZ KS  
 WAC NO : BE/OBJ NO: NPIC NO :  
 IDHS CODE: EPF CAT : 35 COMIREX NO:

THIS STUDY OF THE CHORWON CORRIDOR (PASSIVE DEFENSE STRUCTURES), IS THE SECOND IN A SERIES DEVELOPED FROM PHOTO INTELLIGENCE SOURCES OF THE KOREAN DMZ. ANTI-TANK OBSTACLES/DITCHES, DAMS, AND OTHER PASSIVE DEFENSE STRUCTURES ARE DESCRIBED.\*

25X1  
25X1



AF DSIIR REE04-8006-77 10 APR 77 SEC CLASS: 05B MSN: [redacted] 22P ACCN: S080514 25X1

25X1  
25X6

MISSILES, SA-8 SYSTEM DEVELOPMENTS/DEPLOYMENT UR  
 WAC NO : BE/OBJ NO: [redacted] NPIC NO :  
 IDHS CODE: EPF CAT : 40C COMIREX NO:

25X1

MISSILES, SA-8 TRANSPORTER-ERECTOR-LAUNCHER UR  
 WAC NO : BE/OBJ NO: [redacted] NPIC NO :  
 IDHS CODE: EPF CAT : 40C COMIREX NO:  
 MISSILES, SA-8 RESUPPLY VEHICLE UR

46  
SECRET [redacted]

25X1



SECRET, [REDACTED]

R-04/77

25X1

25X1

WAC NO :	BE/OBJ NO: [REDACTED]	NPIC NO :
IDHS CODE:	EPF CAT : 40C	COMIREX NO:
ELECTRONICS, LAND ROLL RADAR	SYS SA-8 ASSOC	UR
WAC NO :	BE/OBJ NO:	NPIC NO :
IDHS CODE:	EPF CAT : 25C	COMIREX NO:

25X1

THIS DIRECT SUPPORT IMAGERY INTERPRETATION REPORT (DSIIR) PRESENTS INFORMATION ON THE SA-8/GECKO SURFACE-TO-AIR MISSILE (SAM) SYSTEM. IT INCLUDES A BASIC DESCRIPTION OF THE SA-8 MISSILE SYSTEM, ITS ASSOCIATED EQUIPMENT, ORGANIZATIONAL STRUCTURE, A BRIEF SUMMARY OF ITS INITIAL DEPLOYMENT, AND ITS INTRODUCTION INTO THE FORWARD AREA. THE REPORT IS A SYNOPSIS OF PREVIOUS ASSESSMENTS OF THE SA-8 AND SERVES AS AN UPDATE OF RECENT GECKO DEVELOPMENTS INCLUDING THE FIRST SIGHTING OF EQUIPMENT IN EAST GERMANY; IT IS NOT INTENDED TO BE AN INCLUSIVE TECHNICAL ANALYSIS OF THE SA-8. THE INFORMATION IS CURRENT AS OF [REDACTED] AND IS DERIVED FROM [REDACTED] SATELLITE AND HAND-HELD IMAGERY AS WELL AS DATA OBTAINED FROM COLLATERAL INTELLIGENCE SOURCES.

25X6



NAVY DSIIR RMC06-8002-77 MAY 77 SEC CLASS: 05 MSN: 194P ACCN: S080579

NAVAL, EAST SEA FLEET INSTALLATIONS CH  
 WAC NO : BE/OBJ NO: NPIC NO :  
 IDHS CODE: EPF CAT : 75 COMIREX NO:

SAC DSIIR RSF12-8006-77 APR 77 SEC CLASS: 05 MSN: [REDACTED] 8P ACCN: S080587 25X1

HAEJU RAILROAD STATION CLF YARDS + SHOPS KN 380154N 1254415E  
 WAC NO : 0380 BE/OBJ NO: [REDACTED] NPIC NO :  
 IDHS CODE: [REDACTED] EPF CAT : 85B COMIREX NO:

25X1

HAEJU RAILROAD STATION CLASSIFICATION YARDS AND SHOPS IS LOCATED AT THE SOUTHEAST EDGE OF HAEJU COMPLEX. THE INSTALLATION CONSISTS OF TWO THRU TRACKS, A FOUR TRACK CLASSIFICATION YARD, ONE TURNING WYE, ONE TURNTABLE, ONE PASSENGER TERMINAL, THREE CAR REPAIR SHOPS, TWO STORAGE BUILDINGS, AND SEVEN SUPPORT BUILDINGS. THIS INSTALLATION SERVICES THE CITY OF HAEJU AND HAEJU PORT FACILITIES.

SAC DSIIR RSF05-8005-77 APR 77 SEC CLASS: 05 MSN: [REDACTED] 7P ACCN: S080588 25X1

47  
SECRET, [REDACTED]

25X1

SECRET [ ]

R-04/77

25X1

HAEJU AIRFIELD NE  
WAC NO : 0380 BE/OBJ NO: [ ] KN 380740N 1255110E  
IDHS CODE: [ ] EPF CAT : USA NPIC NO : - 19-E5  
COMIREX NO: [ ]

HAEJU NORTHEAST AIRFIELD IS LOCATED APPROXIMATELY 16 KM NORTHEAST OF HAEJU AND APPROXIMATELY 9 KM SOUTHEAST OF SINWON-NI RESERVOIR. THE AIRFIELD CONSISTS OF ONE SOD RUNWAY APPROXIMATELY 1036 X 61 METERS, 070/250 MAG, WITH NO KNOWN SUPPORT FACILITIES. THE AIRFIELD IS ROAD CONNECTED TO AND PROBABLY SERVICES A MILITARY BARRACKS AREA APPROXIMATELY 425 METERS NORTH. THERE ARE THREE EARTHEN REVETMENTS TO THE SOUTHEAST OF THE RUNWAY AND SIX EARTHEN REVETMENTS NORTH OF THE RUNWAY.

SAC DSIIR RSF05-8004-77 APR 77 SEC CLASS: 05 MSN: [ ] 7P

ACCN: 5080589

25X1

ONGJIN AIRFIELD  
WAC NO : 0380 BE/OBJ NO: [ ] KN 375550N 1252518E  
IDHS CODE: [ ] EPF CAT : USA NPIC NO : - 25  
COMIREX NO:

ONGJIN AIRFIELD IS LOCATED 4.6 KM EAST OF ONGJIN, 27.7 KM SOUTHWEST OF HAEJU, AND 61 KM WEST NORTHWEST OF THE DMZ. THE AIRFIELD CONSISTS OF ONE GRADED EARTH RUNWAY, 2042 X 49 METERS, 110/290 MAG. SUPPORT FACILITIES INCLUDE A RAIL TRANSSHIPMENT POINT WITH TWENTY MISCELLANEOUS SMALL BUILDINGS, AND A BARRACKS AREA WITH FOUR BARRACKS AND TEN SUPPORT BUILDINGS. NO POL STORAGE IS NOTED.

ONGJIN AIRFIELD CURRENTLY RECEIVES ONLY LIMITED USE. IT IS CONSIDERED TO BE FISHBED CAPABLE. THE PROXIMITY OF ONGJIN TO THE DMZ EXTENDS SIGNIFICANTLY THE OPERATIONAL RADIUS OF NORTH KOREAN AIRCRAFT ON COMBAT MISSIONS AGAINST SOUTH KOREA.

25X1



DIA NBRG NDA06-5074-77 25 JUL 77 SEC CLASS: 056 MSN: [ ] 1P

ACCN: 5080861

YULIN NAVAL FACILITIES APPROACHES  
WAC NO : 0618 BE/OBJ NO: [ ] CH 1813 N 10933 E  
IDHS CODE: [ ] EPF CAT : 75 NPIC NO :  
COMIREX NO:

DIA NBRG NDA06-5075-77 25 JUL 77 SEC CLASS: 056 MSN: [ ] 1P

ACCN: 5080862

48  
SECRET [ ]

25X1

SECRET/ [ ]

R-04/77

25X1

YULIN SUBMARINE BASE

WAC NO : 0618

IDHS CODE: [ ]

BE/OBJ NO: [ ]

EPF CAT : 75A

CH 181332N 1093244E

NPIC NO : - 9-J3

COMIREX NO: [ ]

DIA NBRG NDA06-5076-77 25 JUL 77

SEC CLASS: 05G MSN:

1P

ACCN: S080863

YULIN NAVAL BASE + SHIPYARD

WAC NO : 0618

IDHS CODE: [ ]

BE/OBJ NO: [ ]

EPF CAT : 75B

CH 181312N 1093200E

NPIC NO : - 9-E

COMIREX NO: [ ]

YULIN NAVAL BASE + SHIPYARD

WAC NO : 0618

IDHS CODE: [ ]

BE/OBJ NO: [ ]

EPF CAT : 75E

CH 181312N 1093200E

NPIC NO : - 9-E

COMIREX NO: [ ]

CIA BIIR RCS13-0005-77 JUL 77

SEC CLASS: 05C MSN:

8P

ACCN: S080881

NOVGOROD CHEMICAL COMBINE

WAC NO : 0153

IDHS CODE: [ ]

BE/OBJ NO: [ ]

EPF CAT : 30F

UR 583652N 0311322E

NPIC NO : - 46-C

COMIREX NO: [ ]

NOVGOROD CHEMICAL COMBINE PRODUCES FERTILIZERS, ACIDS, AND FEEDSTOCKS, POSSIBLY FOR RESINS PRODUCTION. ITS MAIN PRODUCTS INCLUDE AMMONIA, SULFURIC ACID, ACETYLENE, UREA FERTILIZER, AND POSSIBLY ACETIC ACID, METHANOL, FORMALDEHYDE, AND DRY ICE. WHEN A CURRENT EXPANSION PROGRAM IS COMPLETE, THE COMBINE WILL ALSO PRODUCE NITRIC ACID AND AMMONIUM NITRATE AND NITROGEN-PHOSPHORUS-POTASSIUM (NPK) FERTILIZERS. IT WILL POSSIBLY PRODUCE AMMONIATED PHOSPHATE FERTILIZER AND UREA AND MELAMINE RESINS.

CONSTRUCTION OF THE COMBINE BEGAN IN 1963 AND HAS CONTINUED EVER SINCE. A PORTION OF THE PLANT WAS FIRST OBSERVED OPERATING IN 1969. DURING THE 1971-75 FIVE YEAR PLAN, A SULFURIC ACID PLANT AND AN AMMONIA PLANT WERE BUILT AND CONSTRUCTION BEGAN ON A NITRIC ACID PLANT AND ON AMMONIUM NITRATE, NPK, AND POSSIBLY AMMONIATED PHOSPHATE FERTILIZER PLANTS. THESE PLANTS WILL PROBABLY BE COMPLETED IN 1977.

THIS REPORT INCLUDES A GENERAL DISCUSSION OF THE COMBINE AND A TABLE THAT SUMMARIZES ITS PRODUCTION AREAS AND PROVIDES THE VOLUMES OF MAJOR PRODUCTION BUILDINGS. THE TABLE IS KEYED TO A PHOTOGRAPH OF THE COMBINE.

ARMY BIIR RAC24-5006-77 JUL 77

SEC CLASS: 05B MSN: [ ]

62P

ACCN: S080895

MILITARY, T-72 MEDIUM TANK + VARIANTS

WAC NO :

IDHS CODE:

BE/OBJ NO: [ ]

EPF CAT :

UR

NPIC NO :

COMIREX NO:

MILITARY, T-64/67 MEDIUM TANK

WAC NO :

IDHS CODE:

BE/OBJ NO: [ ]

EPF CAT :

UR

NPIC NO :

COMIREX NO:

MILITARY, M-1970 MEDIUM TANK

WAC NO :

BE/OBJ NO: [ ]

UR

NPIC NO :

SECRET/ [ ]

25X1

SECRET [redacted]

R-04/77

25X1

IDHS CODE: EPF CAT : 35E COMIREX NO:

THIS BASIC IMAGERY INTERPRETATION REPORT, WHICH PROVIDES A DETAILED DESCRIPTION OF THE SOVIET MEDIUM TANK T-72, ALSO IS INTENDED TO UPDATE USAIIC REPORT, BAC 24-5010/73, 'M-1970 MEDIUM TANK' AND INTELLIGENCE BRIEFING NOTE 6-77, 'T-72 TANK.'  
THE REPORT CONTAINS 31 ANNOTATED PHOTOGRAPHS, FUNCTIONAL AND PHYSICAL DESCRIPTIONS OF THE T-72 TANK AND THE VARIANTS, A TABLE OF CHARACTERISTICS, AN UNCLASSIFIED APPENDIX WITH SEVEN ADDITIONAL PHOTOGRAPHS, AND A REFERENCE SECTION. THE INFORMATION CUTOFF DATE FOR THIS REPORT IS 15 MAY 1977.

DIA	NBRG	NDA07-5255-77	29 JUL 77	SEC CLASS: 056	MSN:	1P	ACCN: S080976
25X1		TATUNG MILITARY AREA 1		CH	4005 N 11318 E		
25X1		WAC NO : 0288	BE/OBJ NO:	NPIC NO :			
		IDHS CODE: [redacted]	EPF CAT :	COMIREX NO:			
DIA	NBRG	NDA07-5256-77	29 JUL 77	SEC CLASS: 056	MSN:	1P	ACCN: S080977
25X1		TATUNG ARMY BARRACKS NW AL1/HEADQUARTERS		CH	400703N 1131621E		
25X1		WAC NO : 0288	BE/OBJ NO:	NPIC NO : -	16-61		
		IDHS CODE: [redacted]	EPF CAT :	COMIREX NO:	[redacted]		25X1
DIA	NBRG	NDA07-5257-77	29 JUL 77	SEC CLASS: 056	MSN:	1P	ACCN: S080978
25X1		TATUNG ARMY BARRACKS AL11		CH	401330N 1130815E		
25X1		WAC NO : 0288	BE/OBJ NO:	NPIC NO : -	16-B		
		IDHS CODE: [redacted]	EPF CAT :	COMIREX NO:			
DIA	NBRG	NDA07-5258-77	29 JUL 77	SEC CLASS: 056	MSN:	1P	ACCN: S080979
25X1		TATUNG ARMY BARRACKS SW PINGWANG		CH	400323N 1131144E		
25X1		WAC NO : 0288	BE/OBJ NO:	NPIC NO : -	16-D1		
		IDHS CODE: [redacted]	EPF CAT :	COMIREX NO:	[redacted]		25X1
DIA	NBRG	NDA07-5259-77	29 JUL 77	SEC CLASS: 056	MSN:	1P	ACCN: S080980
25X1		TATUNG MILITARY TRAINING AREA		CH	400840N 1132225E		
25X1		WAC NO : 0288	BE/OBJ NO:	NPIC NO : -	16-H		
		IDHS CODE: [redacted]	EPF CAT : 35B	COMIREX NO:	[redacted]		25X1
DIA	NBRG	NDA07-5260-77	29 JUL 77	SEC CLASS: 056	MSN:	1P	ACCN: S080981
		CHINING MILITARY AREA 1		CH	4057 N 11302 E		

50  
SECRET [redacted]

25X1

SECRET [redacted]

R-04/77

25X1

25X1  
25X1

	WAC NO : 0288	BE/OBJ NO: [redacted]	NPIC NO :		
	IDHS CODE: [redacted]	EPF CAT : 35	COMIREX NO:		
DIA	NBRG	NDA07-5261-77	29 JUL 77	SEC CLASS: 05G MSN:	1P ACCN: S080982

25X1  
25X1

	CHINING ARMY BARRACKS AL6/HQ	INF DIV/DEF AREA	CH 405931N 1130357E		
	WAC NO : 0288	BE/OBJ NO: [redacted]	NPIC NO : - 3-D1		
	IDHS CODE: [redacted]	EPF CAT :	COMIREX NO: [redacted]		25X1
DIA	NBRG	NDA07-5262-77	29 JUL 77	SEC CLASS: 05G MSN:	1P ACCN: S080983

25X1

	CHINING ARMY BARRACKS 5		CH 405900N 1130705E		
	WAC NO : 0288	BE/OBJ NO: [redacted]	NPIC NO : - 3-J1		
	IDHS CODE: [redacted]	EPF CAT :	COMIREX NO: [redacted]		25X1
DIA	NBRG	NDA07-5263-77	29 JUL 77	SEC CLASS: 05G MSN:	1P ACCN: S080984

25X1

	CHULOPAO MILITARY AREA 1		CH 4009 N 11336 E		
	WAC NO : 0288	BE/OBJ NO: [redacted]	NPIC NO :		
	IDHS CODE: [redacted]	EPF CAT : 35	COMIREX NO:		
DIA	NBRG	NDA07-5264-77	29 JUL 77	SEC CLASS: 05G MSN:	1P ACCN: S080985

25X1  
25X1

	CHULOPAO MILITARY BARRACKS AL4/HQ	INF DIV	CH 401014N 1132836E		
	WAC NO : 0288	BE/OBJ NO: [redacted]	NPIC NO : - 16-E		
	IDHS CODE: [redacted]	EPF CAT : 35A	COMIREX NO: [redacted]		25X1
DIA	NBRG	NDA07-5265-77	29 JUL 77	SEC CLASS: 05G MSN:	1P ACCN: S080986

25X1  
25X1

	CHINING ARMY BARRACKS AL4 + DEFENSIVE AREA		CH 405130N 1133200E		
	WAC NO : 0288	BE/OBJ NO: [redacted]	NPIC NO : - 69		
	IDHS CODE: [redacted]	EPF CAT :	COMIREX NO: [redacted]		25X1
DIA	NBRG	NDA07-5266-77	29 JUL 77	SEC CLASS: 05G MSN:	1P ACCN: S080987

25X1

	YANGKAO ARMY BARRACKS WNW AL1		CH 402157N 1134340E		
	WAC NO : 0288	BE/OBJ NO: [redacted]	NPIC NO : - 26		
	IDHS CODE: [redacted]	EPF CAT :	COMIREX NO: [redacted]		25X1
DIA	NBRG	NDA07-5267-77	29 JUL 77	SEC CLASS: 05G MSN:	1P ACCN: S080988

	CHINING ARMY BARRACKS SOUTH ALIENKOU AL1		CH 404703N 1131222E		
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51  
SECRET [redacted]

25X1

SECRET [redacted]

R-04/77

25X1

25X1  
25X1

DIA	NBRG	NDA07-5268-77	29 JUL 77	WAC NO : 0288 IDHS CODE: [redacted]	BE/OBJ NO: EPF CAT : [redacted]	NPIC NO : - 3-K COMIREX NO: [redacted]	SEC CLASS: 056 MSN:	1P	ACCN: S080989
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25X1

25X1

DIA	NBRG	NDA07-5269-77	29 JUL 77	TATUNG MILITARY AREA 2 WAC NO : 0288 IDHS CODE: [redacted]	BE/OBJ NO: EPF CAT : 35	CH 4006 N 11319 E NPIC NO : COMIREX NO:	SEC CLASS: 056 MSN:	1P	ACCN: S080990
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25X1  
25X1

DIA	NBRG	NDA07-5270-77	29 JUL 77	TATUNG ARMY BARRACKS NW AL2/HQ INFANTRY DIV WAC NO : 0288 IDHS CODE: [redacted]	BE/OBJ NO: EPF CAT :	CH 400645N 1131526E NPIC NO : - 16-a COMIREX NO: [redacted]	SEC CLASS: 056 MSN:	1P	ACCN: S080991
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25X1

25X1

DIA	NBRG	NDA07-5271-77	29 JUL 77	TATUNG ARMY BARRACKS AL14 WAC NO : 0288 IDHS CODE: [redacted]	BE/OBJ NO: EPF CAT :	CH 400330N 1125755E NPIC NO : - 16-v COMIREX NO: [redacted]	SEC CLASS: 056 MSN:	1P	ACCN: S080992
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25X1

25X1

DIA	NBRG	NDA07-5272-77	29 JUL 77	TATUNG ARMY BARRACKS AL10 WAC NO : 0288 IDHS CODE: [redacted]	BE/OBJ NO: EPF CAT :	CH 400811N 1131722E NPIC NO : - 16-H5 COMIREX NO: [redacted]	SEC CLASS: 056 MSN:	1P	ACCN: S080993
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25X1

25X1

DIA	NBRG	NDA06-5077-77	04 AUG 77	TATUNG MILITARY TRAINING AREA 2 WAC NO : 0288 IDHS CODE: [redacted]	BE/OBJ NO: EPF CAT :	CH 400715N 1131420E NPIC NO : - 16-S2 COMIREX NO: [redacted]	SEC CLASS: 05B MSN:	1P	ACCN: S080994
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25X1

25X1  
25X1

DIA	NBRG	NDA06-5078-77	04 AUG 77	SEVASTOPOL NAVAL FACILITIES APPROACHES WEST WAC NO : 0250 IDHS CODE: [redacted]	BE/OBJ NO: EPF CAT : 75	UR 4436 N 03329 E NPIC NO : COMIREX NO:	SEC CLASS: 05B MSN:	1P	ACCN: S080995
				SEVASTOPOL NAVAL BASE		UR 443628N 0333147E			

52  
SECRET [redacted]

25X1

SECRET [redacted]

R-04/77

25X1

25X1  
25X1

WAC NO : 0250 BE/OBJ NO: [redacted] NPIC NO : - 62-J5  
IDHS CODE: [redacted] EPF CAT : 75B COMIREX NO: [redacted]

25X1

AF PAR 2-77 08 JUL 77 SEC CLASS: 07 MSN: 2P ACCN: S081030

AIRCRAFT, CLASSIC MOD IL-62 ANTENNA ANALYSIS UR  
WAC NO : BE/OBJ NO: [redacted] NPIC NO :  
IDHS CODE: EPF CAT : 05D COMIREX NO:  
AIRCRAFT, CRUSTY TU-134A ANTENNA ANALYSIS UR  
WAC NO : BE/OBJ NO: [redacted] NPIC NO :  
IDHS CODE: EPF CAT : 05D COMIREX NO:

THIS REPORT GIVES AN ANALYSIS OF THE PLATFORMED DORSAL SPINE OBSERVED ON A CLASSIC AND IT DESCRIBES THE ELECTRONIC FITMENTS ON A CRUSTY, BOTH OBSERVED AT SCHOENEFFELD AIRFIELD.\*

AF PAR 3-77 15 JUN 77 SEC CLASS: 05 X MSN: 2P ACCN: S081031

AIRCRAFT, FLOGGER B M16-23 DIMENSIONS UR  
WAC NO : BE/OBJ NO: [redacted] NPIC NO :  
IDHS CODE: EPF CAT : 05D COMIREX NO:

THIS REPORT GIVES AN UPDATE OF THE CURRENT FLOGGER B BASED ON RECENTLY RECEIVED HANDBOOKS AND SCALED PHOTOGRAPHY OF FLOGGER E, THE EXPORT VERSION OF THE FLOGGER B. OF SPECIFIC INTEREST ARE THE FUSELAGE FRAME LOCATIONS AND CROSS-SECTION CONFIGURATION.\*

AF ENDR B3005-77 11 APR 77 SEC CLASS: 07 MSN: 1P ACCN: S081054

ELECTRONICS, STRAIGHT FLUSH TRKG/GDNC RADAR UR  
WAC NO : BE/OBJ NO: [redacted] NPIC NO :  
IDHS CODE: EPF CAT : 25A COMIREX NO:

AF ENDR B3006-77 02 MAY 77 SEC CLASS: 07 MSN: 1P ACCN: S081055

AIRCRAFT, FLOGGER D M16-23 PORT WING POD UR  
WAC NO : BE/OBJ NO: [redacted] NPIC NO :  
IDHS CODE: EPF CAT : 05D COMIREX NO:

AF ENDR C1007-77 13 JUN 77 SEC CLASS: 07 MSN: 1P ACCN: S081056

ELECTRONICS, THIN SKIN A/B FEED HORN UR  
WAC NO : BE/OBJ NO: [redacted] NPIC NO :  
IDHS CODE: EPF CAT : 25A COMIREX NO:

53  
SECRET [redacted]

25X1

SECRET [redacted]

R-04/77

25X1

AF	ENDR	E1030-1-70	10 JUN 77	SEC CLASS: 05	MSN:	1P	ACCN: S081071
25X1	AIRCRAFT, BLINDER C TU-22			UR			
	WAC NO :		BE/OBJ NO:	NPIC NO :			
	IDHS CODE:		EPF CAT :	COMIREX NO:			
NAVY	DSIIR	RMC06-8005-77	JUN 77	SEC CLASS: 05	MSN:	122P	ACCN: S081245
	NAVAL, SOUTH SEA FLEET INSTALLATIONS			CH			
	WAC NO :		BE/OBJ NO:	NPIC NO :			
	IDHS CODE:		EPF CAT :	COMIREX NO:			
DIA	NBRG	NDA07-5336-77	31 AUG 77	SEC CLASS: 05B	MSN:	1P	ACCN: S081276
	ULAN UDE ARMY BARRACKS AL1 + HQ MRD			UR	515350N 1073150E		
	WAC NO :	0201	BE/OBJ NO:	NPIC NO :	- 18-P		
	IDHS CODE:	[redacted]	EPF CAT :	COMIREX NO:	[redacted]		25X1
DIA	NBRG	NDA07-5337-77	31 AUG 77	SEC CLASS: 05B	MSN:	1P	ACCN: S081277
	GUSINOOZERSK ARMY BARRACKS AL1 + HQ MRD			UR	511930N 1062715E		
	WAC NO :	0201	BE/OBJ NO:	NPIC NO :	- 200-A		
	IDHS CODE:	[redacted]	EPF CAT :	COMIREX NO:	[redacted]		25X1
DIA	NBRG	NDA07-5329-77	31 AUG 77	SEC CLASS: 05B	MSN:	1P	ACCN: S081308
	MINSK ARMY BARRACKS POBOLOTYE SW AL12			UR	535641N 0273732E		
	WAC NO :	0168	BE/OBJ NO:	NPIC NO :	- 46-W		
	IDHS CODE:	[redacted]	EPF CAT :	COMIREX NO:			
DIA	NBRG	NDA07-5330-77	31 AUG 77	SEC CLASS: 05B	MSN:	1P	ACCN: S081309
	MIROPOL ARMY BARRACKS AL1			UR	500610N 0274140E		
	WAC NO :	0233	BE/OBJ NO:	NPIC NO :	- 153		
	IDHS CODE:	[redacted]	EPF CAT :	COMIREX NO:	[redacted]		25X1
DIA	NBRG	NDA07-5331-77	31 AUG 77	SEC CLASS: 05B	MSN:	1P	ACCN: S081310
	ECHMIADZIN ARMY BARRACKS SW AL3			UR	400938N 0441724E		
	WAC NO :	0325	BE/OBJ NO:	NPIC NO :	- 68-P		
	IDHS CODE:	[redacted]	EPF CAT :	COMIREX NO:	[redacted]		25X1

54  
SECRET [redacted]

25X1



SECRET

R-04/77

25X1

DIA NBRG NDA07-5332-77 31 AUG 77 SEC CLASS: 05B MSN: 1P ACCN: S081311

YEREVAN ARMY BARRACKS SOVETASHAN AL4

WAC NO : 0325 BE/OBJ NO  
IDHS CODE: EPF CAT

UR 400530N 0443320E  
NPIC NO : - 68-N  
COMIREX NO: [REDACTED]

25X1  
25X1

25X1

DIA NBRG NDA07-5333-77 31 AUG 77 SEC CLASS: 05B MSN: 1P ACCN: S081312

TSKHINVALI ARMY BARRACKS NW AL1

WAC NO : 0325 BE/OBJ NO  
IDHS CODE: EPF CAT

UR 421425N 0435705E  
NPIC NO : - 136  
COMIREX NO: [REDACTED]

25X1

25X1

DIA NBRG NDA07-5334-77 31 AUG 77 SEC CLASS: 05B MSN: 1P ACCN: S081313

YEREVAN ARMY BARRACKS AL9 + HQ MRD

WAC NO : 0325 BE/OBJ NO  
IDHS CODE: EPF CAT

UR 401500N 0443607E  
NPIC NO : - 68-U  
COMIREX NO: [REDACTED]

25X1

25X1

DIA NBRG NDA07-5335-77 31 AUG 77 SEC CLASS: 05B MSN: 1P ACCN: S081314

BANK ARMY BARRACKS AL1

WAC NO : 0339 BE/OBJ NO  
IDHS CODE: EPF CAT

UR 392456N 0491536E  
NPIC NO : - 14-A  
COMIREX NO: [REDACTED]

25X1

25X1

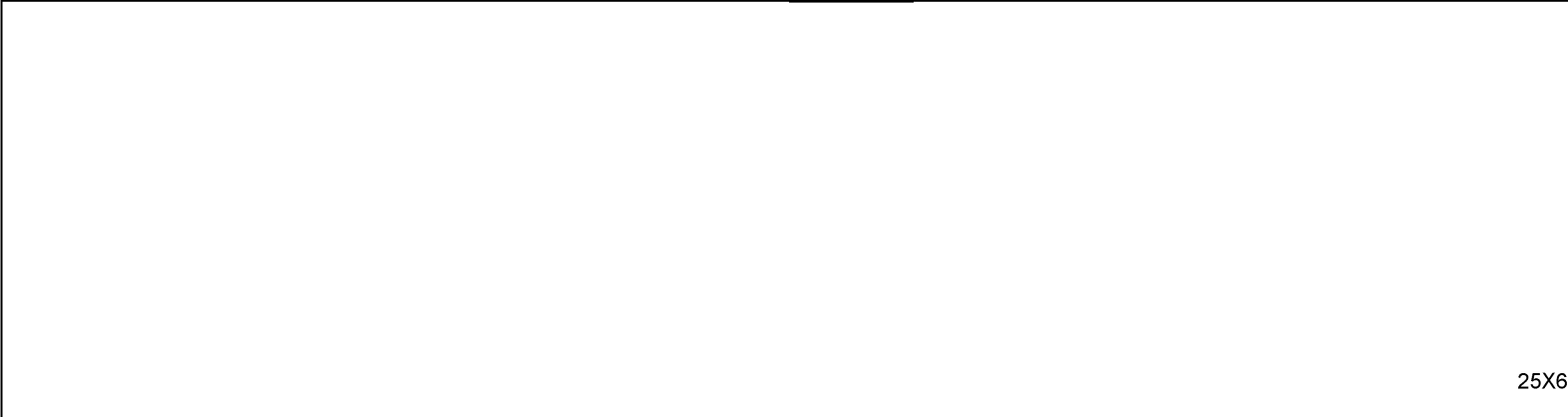
55  
SECRET

25X1

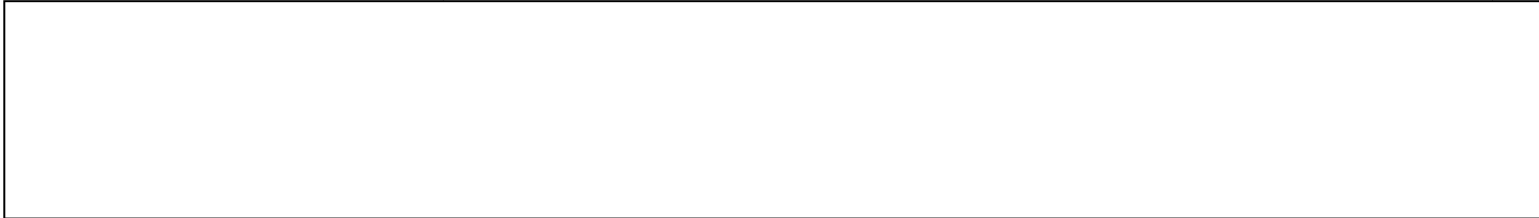
SECRET

R-04/77

25X1



25X6



CIA BIIR RCS13-0010-77 SEP 77 SEC CLASS: 05C MSN: 8P ACCN: 5081447

CHEREPVETS NITROGEN FERTILIZER PLANT UR 590915N 0374940E  
WAC NO : 0154 BE/OBJ NO: NPIC NO : - 8-A2  
IDHS CODE: EPF CAT : 30F COMIREX NO:

25X1  
25X1

25X1

THE CHEREPVETS NITROGEN FERTILIZER PLANT PRODUCES NITROGEN FERTILIZER AND A RESIN FEEDSTOCK. ITS MAIN PRODUCTS INCLUDE AMMONIA, AMMONIUM NITRATE FERTILIZER, NITRIC ACID, AND POSSIBLY ETHYLBENZENE (A RESIN FEEDSTOCK).

CONSTRUCTION OF THE PLANT'S FIRST PRODUCTION AREAS WAS COMPLETED IN 1971, BUT OPERATION DID NOT APPEAR TO BEGIN UNTIL 1972. DURING THE 1971-75 FIVE-YEAR PLAN, A POSSIBLE ETHYLBENZENE PLANT WAS ADDED. FUTURE EXPANSION WILL REPORTEDLY INCLUDE A KELLOGG AMMONIA PLANT WHICH MAY HAVE BEEN IN TOO EARLY A STAGE OF

56  
SECRET

25X1

SECRET

R-04/77

25X1

CONSTRUCTION TO BE IDENTIFIED ON PHOTOGRAPHY.  
THIS REPORT INCLUDES A GENERAL DISCUSSION OF THE PLANT AND A TABLE THAT SUMMARIZES THE PRODUCTION AREAS AND THE VOLUMES OF MAJOR PRODUCTION BUILDINGS. THE TABLE IS KEYED TO A PHOTOGRAPH OF THE PLANT.

CIA BIIR RCS13-0015-77 SEP 77 SEC CLASS: 05C MSN: 6P ACCN: S081449

KRASNOURALSK CHEMICAL FERTILIZER PLANT 758 UR 582058N 0600332E  
WAC NO : 0156 BE/OBJ NO: NPIC NO :  
IDHS CODE: EPF CAT : 30F COMIREX NO:

THE MAIN PRODUCT OF THE KRASNOURALSK CHEMICAL FERTILIZER PLANT 758 IS TRIPLE SUPERPHOSPHATE FERTILIZER. IT ALSO PRODUCES SULFURIC ACID AND PHOSPHORIC ACID AS FEEDSTOCKS FOR FERTILIZER PRODUCTION. THE FERTILIZER PLANT WAS BUILT, IN THE EARLY 1950S, NEXT TO THE KRASNOURALSK COPPER WORKS TO EXPLOIT THE SULFUR DIOXIDE GAS PRODUCED AT THE WORKS AS A BY-PRODUCT OF COPPER SMELTING. THE FERTILIZER PLANT PROCESSES THE SULFUR DIOXIDE INTO SULFURIC ACID, A FEEDSTOCK IN TRIPLE SUPERPHOSPHATE PRODUCTION. FOLLOWING A PERIOD OF EXPANSION AND A SWITCH FROM PRODUCING SINGLE SUPERPHOSPHATE FERTILIZER TO TRIPLE SUPERPHOSPHATE FERTILIZER IN THE EARLY TO MID-1960S, THE SOVIETS BEGAN A PROGRAM OF MODERNIZATION AND INTRODUCED NEW PRODUCTION METHODS AT THE PLANT. DURING THE 1971-75 FIVE YEAR PLAN, NO NEW FACILITIES WERE ADDED BUT MODERNIZATION, WHICH REPORTEDLY ALMOST TRIPLED FERTILIZER PRODUCTION, CONTINUED.

THIS REPORT INCLUDES A GENERAL DISCUSSION OF THE PLANT AND A TABLE THAT SUMMARIZES ITS PRODUCTION AREAS AND PROVIDES THE VOLUMES OF MAJOR PRODUCTION BUILDINGS. THE TABLE IS KEYED TO A PHOTOGRAPH OF THE PLANT.

CIA BIIR RCS13-0016-77 SEP 77 SEC CLASS: 05C MSN: 6P ACCN: S081471

DOROGOBUZH NITROGEN FERTILIZER COMBINE UR 545500N 0331800E  
WAC NO : 0167 BE/OBJ NO: NPIC NO :  
IDHS CODE: EPF CAT : 30F COMIREX NO:

THE DOROGOBUZH NITROGEN FERTILIZER COMBINE PRODUCES AQUEOUS AMMONIA AND NITROGEN-PHOSPHOROUS-POTASSIUM (NPK) FERTILIZERS, NITRIC ACID, SULFURIC ACID, AND POSSIBLY OXYGEN.

THIS REPORT INCLUDES A GENERAL DISCUSSION OF THE COMBINE AND A TABLE THAT SUMMARIZES THE PRODUCTION AREAS AND PROVIDES THE VOLUMES OF MAJOR PRODUCTION BUILDINGS. THE TABLE IS KEYED TO A PHOTOGRAPH OF THE COMBINE.

CIA BIIR RCS13-0003-77 SEP 77 SEC CLASS: 05C MSN: 8P ACCN: S081472

GRODNO CHEMICAL FERTILIZER PLANT UR 534020N 0235350E  
WAC NO : 0168 BE/OBJ NO: NPIC NO : - 22-N1  
IDHS CODE: EPF CAT : 30F COMIREX NO:

GRODNO CHEMICAL FERTILIZER PLANT PRIMARILY PRODUCES NITROGEN FERTILIZERS AND A SYNTHETIC FIBER FEEDSTOCK. ITS MAIN PRODUCTS INCLUDE AMMONIUM NITRATE, AMMONIUM SULFATE, UREA FERTILIZERS, CAPROLACTAM,

57  
SECRET

25X1

SECRET

R-04/77

25X1

AMMONIA, AND NITRIC AND SULFURIC ACIDS.  
THIS REPORT INCLUDES A GENERAL DISCUSSION OF THE PLANT AND A TABLE SUMMARIZING ITS PRODUCTION AREAS AND THE VOLUMES OF MAJOR PRODUCTION BUILDINGS. THE TABLE IS KEYED TO A PHOTOGRAPH OF THE PLANT.

CIA BIIR RCS13-0020-77 SEP 77 SEC CLASS: 05 MSN: 10P ACCN: S081473

TIRGU MURES CHEMICAL COMBINE RO 463049N 0243014E  
WAC NO : 0251 BE/OBJ NO:  NPIC NO : - 115-C1  
IDHS CODE:  EPF CAT : 30F COMIREX NO:

25X1  
25X1

25X1

THE TIRGU MURES CHEMICAL COMBINE PRODUCES AMMONIUM NITRATE, UREA, AND NITROGEN-PHOSPHOROUS-POTASSIUM (NKP) FERTILIZERS, AS WELL AS AMMONIA, NITRIC ACID, AND OXYGEN.  
THIS REPORT INCLUDES A GENERAL DISCUSSION OF THE COMBINE AND A TABLE WHICH SUMMARIZES THE PRODUCTION AREAS AND PROVIDES THE VOLUMES OF MAJOR PRODUCTION BUILDINGS. THE TABLE IS KEYED TO A PHOTOGRAPH OF THE COMBINE.

CIA BIIR RCS13-0011-77 SEP 77 SEC CLASS: 05C MSN: 9P ACCN: S081475

KINGISEPP MONAMMONIUM PHOSPHATE PLANT UR 592200N 0283600E  
WAC NO : 0153 BE/OBJ NO:  NPIC NO : - 45-64  
IDHS CODE:  EPF CAT : 30F COMIREX NO:

25X1  
25X1

25X1

ARMY BIIB BAC24-5002-77 OCT 77 SEC CLASS: 08 MSN: 4P ACCN: S081480

AIRCRAFT, HIP E MI-8 ARMAMENT CONFIG NEW UR  
WAC NO : BE/OBJ NO:  NPIC NO :  
IDHS CODE: EPF CAT : USD COMIREX NO:

25X1

THIS BASIC IMAGERY INTERPRETATION BRIEF PROVIDES INFORMATION ON MODIFICATIONS TO THE WEAPONS SYSTEMS OF THE MI-8 HIP C HELICOPTER, WHICH GREATLY INCREASED THE SOVIET'S AIRMOBILE AND ANTITANK CAPABILITIES. SINCE THIS REPORT WAS PREPARED, THIS VERSION HAS RECEIVED THE DESIGNATION OF MI-8 HIP E.\*

25X1



58  
SECRET

25X1

SECRET [redacted]

R-04/77

25X1



DIA NBRG NDA07-5338-77 03 OCT 77 SEC CLASS: 05G MSN: 1P ACCN: S081563

BORZYA ARMY BARRACKS SW AL1 + HEADQUARTERS  
WAC NO : 0202 BE/OBJ NO: [redacted] NPIC NO : - 3-C  
IDHS CODE: [redacted] EPF CAT : 35A COMIREX NO: [redacted]

25X1

25X1

DIA NBRG NDA07-5339-77 03 OCT 77 SEC CLASS: 05G MSN: 1P ACCN: S081564

BORZYA ARMY BARRACKS AL3/HQ MRD/SA-4 BRIGADE  
WAC NO : 0202 BE/OBJ NO: [redacted] NPIC NO : - 3-B1  
IDHS CODE: [redacted] EPF CAT : [redacted] COMIREX NO: [redacted]

25X1

25X1

DIA NBRG NDA07-5340-77 03 OCT 77 SEC CLASS: 05G MSN: 1P ACCN: S081565

BIKIN ARMY BARRACKS AL1 + HQ TANK DIVISION  
WAC NO : 0282 BE/OBJ NO: [redacted] NPIC NO : - 5-A  
IDHS CODE: [redacted] EPF CAT : [redacted] COMIREX NO: [redacted]

25X1

25X1

DIA NBRG NDA07-5341-77 03 OCT 77 SEC CLASS: 05G MSN: 1P ACCN: S081566

LERMONTOVKA ARMY BARRACKS AL1 + HQ MRD  
WAC NO : 0282 BE/OBJ NO: [redacted] NPIC NO : - 205  
IDHS CODE: [redacted] EPF CAT : [redacted] COMIREX NO: [redacted]

25X1

25X1

DIA NBRG NDA06-5079-77 05 OCT 77 SEC CLASS: 05B MSN: 1P ACCN: S081567

SEVASTOPOL NAVAL BASE STRELETSKAYA  
WAC NO : 0250 BE/OBJ NO: [redacted] NPIC NO : - 62-C3  
IDHS CODE: [redacted] EPF CAT : 75B COMIREX NO: [redacted]

25X1

25X1

59  
SECRET [redacted]

25X1

SECRET/ [ ]

R-04/77

25X1

DIA	NBRG	NDA06-5080-77	05 OCT 77	SEC CLASS: 05B MSN:	1P	ACCN: S081568
25X1		SEVASTOPOL OFFSHORE DEFENSE FORCE BASE		UR 443639N 0332959E		
25X1		WAC NO : 0250	BE/OBJ NO:	NPIC NO : [ ]		25X1
		IDHS CODE: [ ]	EPF CAT :	COMIREX NO: [ ]		
DIA	NBRG	NDA06-5081-77	05 OCT 77	SEC CLASS: 05B MSN:	1P	ACCN: S081569
25X1		SEVASTOPOL SHIPYARD SEVMORZAVOD 497		UR 443646N 0333211E		
		WAC NO : 0250	BE/OBJ NO:	NPIC NO : - 62-C		25X1
		IDHS CODE: [ ]	EPF CAT :	COMIREX NO: [ ]		
DIA	NBRG	NDA07-5273-77	12 SEP 77	SEC CLASS: 05G MSN:	1P	ACCN: S081593
25X1		YANGLIUCHING MILITARY AREA 1		CH 3908 N 11659 E		
		WAC NO : 0381	BE/OBJ NO:	NPIC NO :		25X1
		IDHS CODE: [ ]	EPF CAT :	COMIREX NO:		
DIA	NBRG	NDA07-5274-77	12 SEP 77	SEC CLASS: 05G MSN:	1P	ACCN: S081594
25X1		YANGLIUCHING ARMY BARRACKS SOUTH AL3		CH 390538N 1170028E		
		WAC NO : 0381	BE/OBJ NO:	NPIC NO : - 67-R		25X1
		IDHS CODE: [ ]	EPF CAT :	COMIREX NO: [ ]		
DIA	NBRG	NDA07-5275-77	12 SEP 77	SEC CLASS: 05G MSN:	1P	ACCN: S081595
25X1		YANGLIUCHING ARMY BARRACKS SE AL2 + HQ		CH 390706N 1170022E		
		WAC NO : 0381	BE/OBJ NO:	NPIC NO : - 67-M1		25X1
		IDHS CODE: [ ]	EPF CAT :	COMIREX NO: [ ]		
DIA	NBRG	NDA07-5276-77	12 SEP 77	SEC CLASS: 05G MSN:	1P	ACCN: S081596
25X1		WUCHING MILITARY AREA 1		CH 3925 N 11703 E		
		WAC NO : 0381	BE/OBJ NO:	NPIC NO :		25X1
		IDHS CODE: [ ]	EPF CAT :	COMIREX NO:		
DIA	NBRG	NDA07-5277-77	12 SEP 77	SEC CLASS: 05G MSN:	1P	ACCN: S081597
25X1		WUCHING ARMY BARRACKS AL1 + HQ INFANTRY DIV		CH 392126N 1170422E		
25X1		WAC NO : 0381	BE/OBJ NO:	NPIC NO : - 79-A		25X1
		IDHS CODE: [ ]	EPF CAT : [ ]	COMIREX NO: [ ]		

60  
SECRET [ ]

25X1

SECRET/ [redacted]

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25X1

DIA	NBRG	NDA07-5278-77	12 SEP 77	SEC CLASS: 056 MSN:	1P	ACCN: S081598
25X1		CHAOKOCHUANG MILITARY AREA 1		CH 3945 N 11824 E		
25X1		WAC NO : 0381	BE/OBJ NO: [redacted]	NPIC NO :		
		IDHS CODE: [redacted]	EPF CAT : [redacted]	COMIREX NO:		
DIA	NBRG	NDA07-5279-77	12 SEP 77	SEC CLASS: 056 MSN:	1P	ACCN: S081599
25X1		CHAOKOCHUANG ARMY BARRACKS AL1 + HQ INF DIV		CH 394631N 1182504E		
25X1		WAC NO : 0381	BE/OBJ NO: [redacted]	NPIC NO : - 119-A		
		IDHS CODE: [redacted]	EPF CAT : [redacted]	COMIREX NO: [redacted]		25X1
DIA	NBRG	NDA07-5280-77	12 SEP 77	SEC CLASS: 056 MSN:	1P	ACCN: S081600
25X1		TANGKU ARMY BARRACKS WEST AL2		CH 390130N 1173550E		
25X1		WAC NO : 0381	BE/OBJ NO: [redacted]	NPIC NO : - 62-C1		
		IDHS CODE: [redacted]	EPF CAT : [redacted]	COMIREX NO: [redacted]		25X1
DIA	NBRG	NDA07-5281-77	12 SEP 77	SEC CLASS: 056 MSN:	1P	ACCN: S081601
25X1		SHANHAIKUAN ARMY BARRACKS AL1		CH 400041N 1194601E		
25X1		WAC NO : 0289	BE/OBJ NO: [redacted]	NPIC NO : - 20-D		
		IDHS CODE: [redacted]	EPF CAT : [redacted]	COMIREX NO: [redacted]		25X1
DIA	NBRG	NDA07-5282-77	12 SEP 77	SEC CLASS: 056 MSN:	1P	ACCN: S081602
25X1		CHIUFENGCHUN ARMY BARRACKS AL1		CH 394901N 1182303E		
25X1		WAC NO : 0381	BE/OBJ NO: [redacted]	NPIC NO : - 119		
		IDHS CODE: [redacted]	EPF CAT : [redacted]	COMIREX NO: [redacted]		25X1
DIA	NBRG	NDA07-5283-77	12 SEP 77	SEC CLASS: 056 MSN:	1P	ACCN: S081603
25X1		CHINHUANGTAO ARMY BARRACKS AL2		CH 395730N 1193533E		
25X1		WAC NO : 0381	BE/OBJ NO: [redacted]	NPIC NO :		
		IDHS CODE: [redacted]	EPF CAT : [redacted]	COMIREX NO:		
DIA	NBRG	NDA07-5284-77	12 SEP 77	SEC CLASS: 056 MSN:	1P	ACCN: S081604
25X1		TUNGHSIEN ARMY BARRACKS NORTH AL2		CH 395849N 1164106E		
25X1		WAC NO : 0381	BE/OBJ NO: [redacted]	NPIC NO : - 178		
		IDHS CODE: [redacted]	EPF CAT : [redacted]	COMIREX NO: [redacted]		25X1

SECRET/ [redacted]

25X1

SECRET [redacted]

R-04/77

25X1

DIA NBRG NDA07-5285-77 12 SEP 77

SEC CLASS: 05G MSN: 1P

ACCN: S081605

CHAOKOCHUANG MILITARY TRAINING AREA

CH 394730N 1182520E  
NPIC NO :  
COMIREX NO:

WAC NO : 0381 BE/OBJ NO:  
IDHS CODE: [redacted] EPF CAT :

DIA NBRG NDA07-5286-77 12 SEP 77

SEC CLASS: 05G MSN: 1P

ACCN: S081606

TIENCHING MILITARY AREA 1

CH 3908 N 11712 E  
NPIC NO :  
COMIREX NO:

WAC NO : 0381 BE/OBJ NO:  
IDHS CODE: [redacted] EPF CAT : 35

DIA NBRG NDA07-5287-77 12 SEP 77

SEC CLASS: 05G MSN: 1P

ACCN: S081607

TIENCHING ARMY BARRACKS AL1 + HQ INFANTRY DIV

CH 390854N 1171454E  
NPIC NO : - 67-H1  
COMIREX NO: [redacted]

WAC NO : 0381 BE/OBJ NO:  
IDHS CODE: [redacted] EPF CAT :

DIA NBRG NDA07-5288-77 12 SEP 77

SEC CLASS: 05G MSN: 1P

ACCN: S081608

KUANERHCHUANG ARMY BARRACKS AL1

CH 390845N 1172340E  
NPIC NO :  
COMIREX NO:

WAC NO : 0381 BE/OBJ NO:  
IDHS CODE: [redacted] EPF CAT :

DIA NBRG NDA07-5289-77 12 SEP 77

SEC CLASS: 05G MSN: 1P

ACCN: S081609

WANGWENCHUANG ARMY BARRACKS AL1

CH 3850 N 1171830E  
NPIC NO :  
COMIREX NO:

WAC NO : 0381 BE/OBJ NO:  
IDHS CODE: [redacted] EPF CAT :

DIA NBRG NDA07-5290-77 12 SEP 77

SEC CLASS: 05G MSN: 1P

ACCN: S081610

TANGKUANTUN ARMY BARRACKS SW AL1

CH 384034N 1165121E  
NPIC NO : - 68-J  
COMIREX NO: [redacted]

WAC NO : 0381 BE/OBJ NO:  
IDHS CODE: [redacted] EPF CAT :

DIA NBRG NDA07-5291-77 12 SEP 77

SEC CLASS: 05G MSN: 1P

ACCN: S081611

KOKU ARMY BARRACKS WNW AL1

CH 385954N 1172725E  
NPIC NO : - 67-F  
COMIREX NO: [redacted]

WAC NO : 0381 BE/OBJ NO:  
IDHS CODE: [redacted] EPF CAT :

62  
SECRET [redacted]

25X1



SECRET [redacted]

R-04/77

25X1

CIA BIIR RCS13-0012-77 SEP 77 SEC CLASS: 05C MSN: 13P ACCN: S081612

DNEPRODZERZHINSK CHEMICAL COMBINE

WAC NO : 0234 BE/OBJ NO: [redacted] UR 482915N 0344030E  
IDHS CODE: [redacted] EPF CAT : JUF NPIC NO : - 6-F  
COMIREX NO:

THE DNEPRODZERZHINSK CHEMICAL COMBINE PRODUCES PRIMARILY NITROGEN FERTILIZERS, INSECTICIDES, RESINS, RESIN FEEDSTOCKS, AND SOLVENTS. ITS MAIN PRODUCTS INCLUDE AMMONIA, NITRIC ACID, AMMONIUM NITRATE FERTILIZER, ETHYLBENZENE, SULFURIC ACID, HYDROCHLORIC ACID, CHLORINE, AND POSSIBLY SODIUM NITRATE AND CHLORINATED HYDROCARBONS. IT REPORTEDLY PRODUCES NITROUS OXIDE, POLYVINYL CHLORIDE, TOLUENE DIISOCYANATE, AND PHOSGENE.

IN 1928, WHEN THE COMBINE BEGAN PRODUCTION, IT CONSISTED OF A COKE GAS PURIFICATION PLANT, A COKE-GAS-BASED AMMONIA PLANT, A NITRIC ACID PLANT, A SULFURIC ACID PLANT, AND AN AMMONIA NITRATE FERTILIZER PLANT. SINCE THE END OF WORLD WAR II, THE COMBINE HAS BEEN EXPANDED CONSIDERABLY. DURING THE 1971-75 FIVE-YEAR PLAN, A POSSIBLE ISOCYANATE PLANT AND A REPORTED POLYVINYL CHLORIDE PLANT WERE CONSTRUCTED. FUTURE EXPANSION WILL INCLUDE THE CONSTRUCTION OF A KELLOGG AMMONIA PLANT AND A CZECHOSLOVAKIAN UREA FERTILIZER PLANT.

THIS REPORT INCLUDES A GENERAL DISCUSSION OF THE COMBINE AND A TABLE SUMMARIZING ITS PRODUCTION AREAS AND THE VOLUMES OF MAJOR PRODUCTION BUILDINGS. THE TABLE IS KEYED TO A PHOTOGRAPH OF THE COMBINE.

CIA BIIR RCS13-0017-77 SEP 77 SEC CLASS: 05C MSN: 7P ACCN: S081616

CHEKASSY CHEMICAL COMBINE

WAC NO : 0233 BE/OBJ NO: [redacted] UR 492221N 0320418E  
IDHS CODE: [redacted] EPF CAT : JUF NPIC NO : - 9-J1  
COMIREX NO:

THE CHERKASSY CHEMICAL COMBINE PRODUCES NITROGEN FERTILIZERS, POSSIBLY PHOSPHATE FERTILIZERS, AND REPORTEDLY ION-EXCHANGE RESINS. ITS PRODUCTS INCLUDE AMMONIUM NITRATE FERTILIZER, UREA FERTILIZER, AMMONIA, AND NITRIC ACID AND POSSIBLY DIAMMONIUM PHOSPHATE FERTILIZER, PHOSPHORIC ACID, AND OXYGEN. NO DATA IS AVAILABLE ON THE TYPES OF REPORTED ION-EXCHANGE RESINS PRODUCED.

CONSTRUCTION OF THE COMBINE BEGAN IN 1963 AND BY 1966 AN AMMONIA PLANT, A POSSIBLE OXYGEN PLANT, AND A REPORTED ION-EXCHANGE RESINS PLANT WERE COMPLETED. THE COMBINE HAS SINCE BEEN EXPANDED SEVERAL TIMES. DURING THE 1971-75 FIVE-YEAR PLAN, AN AMMONIUM NITRATE FERTILIZER PLANT, A POSSIBLE DIAMMONIUM PHOSPHATE FERTILIZER PLANT, AND A PHOSPHORIC ACID PLANT WERE CONSTRUCTED. ALSO AN AMMONIA PLANT, BEGUN PRIOR TO 1971, WAS COMPLETED, AND CONSTRUCTION BEGAN ON AN UNIDENTIFIED PLANT.

FUTURE EXPANSION REPORTEDLY WILL INCLUDE A KELLOGG-DESIGNED AMMONIA PLANT, WHICH IS TO BE BUILT BY TOYO ENGINEERING OF JAPAN, AND A UREA FERTILIZER PLANT FROM CZECHOSLOVAKIA.

THIS REPORT INCLUDES A GENERAL DISCUSSION OF THE COMBINE AND A TABLE WHICH SUMMARIZES ITS PRODUCTION AREAS AND PROVIDES THE VOLUMES OF MAJOR PRODUCTION BUILDINGS. THE TABLE IS KEYED TO A PHOTOGRAPH OF THE COMBINE.

63  
SECRET [redacted]

25X1

SECRET

R-04/77

25X1

AF PAR 5-77 11 AUG 77 SEC CLASS: 07 MSN: 2P ACCN: S081621  
 AIRCRAFT, FITTER E UR  
 WAC NO : BE/OBJ NO: NPIC NO :  
 IDHS CODE: EPF CAT : 05D COMIREX NO:

THIS REPORT PROVIDES AN ANALYSIS OF THE FITTER E AND INCLUDES THE SIZE AND DESCRIPTION OF THE AIRCRAFT AND A COMPARISON OF THE FITTER E FUSELAGE LENGTH WITH THAT OF THE FITTER C AND D.\*

AF ENDR B1009-77 07 SEP 77 SEC CLASS: 05 MSN: 1P ACCN: S081637  
 ELECTRONICS, TUB BRICK ECM ANTENNA UR  
 WAC NO : BE/OBJ NO: NPIC NO :  
 IDHS CODE: EPF CAT : 25 COMIREX NO:

AF ENDR C3010-77 19 AUG 77 SEC CLASS: 04 MSN: 1P ACCN: S081639  
 AIRCRAFT, FLAGON E/F SU-15 WING GEOMETRY UR  
 WAC NO : BE/OBJ NO: NPIC NO :  
 IDHS CODE: EPF CAT : COMIREX NO:

AF ENDR C3011-77 25 AUG 77 SEC CLASS: 05 MSN: 1P ACCN: S081640  
 AIRCRAFT, FOXBAT D MIG-25 NOSE SECTION UR  
 WAC NO : BE/OBJ NO: NPIC NO :  
 IDHS CODE: EPF CAT : COMIREX NO:

DIA NBRG NDA07-5347-77 14 OCT 77 SEC CLASS: 05B MSN: 1P ACCN: S081661  
 TBILISI ARMY BARRACKS MTSKHETA AL11 UR 415030N 0444350E  
 WAC NO : 0325 BE/OBJ NO: NPIC NO : - 64-C  
 IDHS CODE: EPF CAT : 33A COMIREX NO:

DIA NBRG NDA07-5348-77 14 OCT 77 SEC CLASS: 05B MSN: 1P ACCN: S081662  
 VOLGOGRAD MILITARY BARRACKS ZELENYY AL12 UR 484735N 0444123E  
 WAC NO : 0235 BE/OBJ NO: NPIC NO : - 16-61  
 IDHS CODE: EPF CAT : 33A COMIREX NO:

DIA NBRG NDA07-5349-77 14 OCT 77 SEC CLASS: 05B MSN: 1P ACCN: S081663  
 ORDZHONIKIDZE ARMY BARRACKS AL4/5 UR 430150N 0444010E

64  
SECRET

25X1

SECRET [redacted]

R-04/77

25X1

25X1  
25X1

DIA NBRG NDA07-5350-77 14 OCT 77  
WAC NO : 0325 BE/OBJ NO: [redacted] NPIC NO : - 18-H  
IDHS CODE: [redacted] EPF CAT : [redacted] COMIREX NO: [redacted]

SEC CLASS: 05B MSN: 1P

ACCN: S081664

25X1

25X1  
25X1

ORDZHONIKIDZE ARMY BARRACKS TEREK RIVER AL10  
WAC NO : 0325 BE/OBJ NO: [redacted] UR 425930N 044410SE  
IDHS CODE: [redacted] EPF CAT : [redacted] NPIC NO : - 18-E1  
COMIREX NO: [redacted]

SEC CLASS: 05B MSN: 1P

ACCN: S081665

25X1

25X1

DIA NBRG NDA07-5351-77 14 OCT 77  
BUYNAKSK ARMY BARRACKS AL3  
WAC NO : 0325 BE/OBJ NO: [redacted] UR 424850N 047071SE  
IDHS CODE: [redacted] EPF CAT : [redacted] NPIC NO : - 100-R3  
COMIREX NO: [redacted]

SEC CLASS: 05B MSN: 1P

ACCN: S081666

25X1

25X1

DIA NBRG NDA07-5352-77 14 OCT 77  
GROZNY ARMY BARRACKS SOUTH AL14 SHALI  
WAC NO : 0325 BE/OBJ NO: [redacted] UR 430615N 0454910E  
IDHS CODE: [redacted] EPF CAT : [redacted] NPIC NO : - 133-A  
COMIREX NO: [redacted]

SEC CLASS: 05B MSN: 1P

ACCN: S081667

25X1

25X1

DIA NBRG NDA07-5353-77 14 OCT 77  
NOVOCHERKASSK ARMY BARRACKS AL7  
WAC NO : 0249 BE/OBJ NO: [redacted] UR 473125N 0400600E  
IDHS CODE: [redacted] EPF CAT : [redacted] NPIC NO : - 27-F  
COMIREX NO: [redacted]

SEC CLASS: 05B MSN: 1P

ACCN: S081668

25X1

25X1  
25X1

DIA NBRG NDA07-5354-77 14 OCT 77  
NOVOCHERKASSK ARMY BARRACKS ZHDANOVA AL2  
WAC NO : 0249 BE/OBJ NO: [redacted] UR 472510N 0400430E  
IDHS CODE: [redacted] EPF CAT : [redacted] NPIC NO : - 27-D1  
COMIREX NO: [redacted]

SEC CLASS: 05B MSN: 1P

ACCN: S081669

25X1

25X1

DIA NBRG NDA07-5355-77 14 OCT 77  
NOVOCHERKASSK ARMY BARRACKS SE AL6  
WAC NO : 0249 BE/OBJ NO: [redacted] UR 472440N 0400710E  
IDHS CODE: [redacted] EPF CAT : [redacted] NPIC NO : - 27-B3  
COMIREX NO: [redacted]

SEC CLASS: 05B MSN: 1P

ACCN: S081670

25X1

DIA NBRG NDA07-5342-77 12 OCT 77  
TAMBOV ARMY BARRACKS AL1 + HQ MRD  
UR 524101N 0412812E

SEC CLASS: 05B MSN: 1P

65  
SECRET [redacted]

SECRET/ [ ]

R-04/77

25X1

25X1  
25X1

WAC NO : 0166 BE/OBJ NO: [ ] NPIC NO : - 31- [ ]  
IDHS CODE: [ ] EPF CAT : 35A COMIREX NO: [ ]

25X1

DIA NBRG NDA07-5343-77 12 OCT 77 SEC CLASS: 05B MSN: 1P ACCN: S081671

25X1  
25X1

SVALYANA ARMY BARRACKS AL1/SAM SUPPORT FACIL UR 483329N 0225918E  
WAC NO : 0232 BE/OBJ NO: [ ] NPIC NO : - 107-R  
IDHS CODE: [ ] EPF CAT : 35A COMIREX NO: [ ]

25X1

25X1  
25X1

SVALYANA ARMY BARRACKS AL1/SAM SUPPORT FACIL UR 483329N 0225918E  
WAC NO : 0232 BE/OBJ NO: [ ] NPIC NO : - 107-R  
IDHS CODE: [ ] EPF CAT : 40C COMIREX NO: [ ]

25X1

DIA NBRG NDA07-5344-77 12 OCT 77 SEC CLASS: 05B MSN: 1P ACCN: S081672

25X1  
25X1

SHEPETOVKA SAM SUPPORT FACILITY UR 500957N 0270542E  
WAC NO : 0233 BE/OBJ NO: [ ] NPIC NO : - 51-B2  
IDHS CODE: [ ] EPF CAT : 40C COMIREX NO: [ ]

25X1

DIA NBRG NDA07-5345-77 12 OCT 77 SEC CLASS: 05B MSN: 1P ACCN: S081673

25X1  
25X1

SAPERNOYE ARMY BARRACKS AL1 + HQ GUARDS MRD UR 604250N 0295725E  
WAC NO : 0103 BE/OBJ NO: [ ] NPIC NO : - 27-A  
IDHS CODE: [ ] EPF CAT : [ ] COMIREX NO: [ ]

25X1

DIA NBRG NDA07-5346-77 12 OCT 77 SEC CLASS: 05B MSN: 1P ACCN: S081674

25X1  
25X1

TALDY KURGAN ARMY BARRACKS AL2 UR 450000N 0782030E  
WAC NO : 0244 BE/OBJ NO: [ ] NPIC NO : - 9-D  
IDHS CODE: [ ] EPF CAT : [ ] COMIREX NO: [ ]

25X1

CIA BIIR RCS13-0009-77 SEP 77 SEC CLASS: 05C MSN: 9P ACCN: S081675

25X1  
25X1

VOSKRESENSK CHEMICAL COMBINE KUYBYSHEV 192 UR 551619N 0384124E  
WAC NO : 0167 BE/OBJ NO: [ ] NPIC NO : - 150  
IDHS CODE: [ ] EPF CAT : 30F COMIREX NO: [ ]

25X1

THE VOSKRESENSK CHEMICAL COMBINE KUYBYSHEV 192 PRODUCES PRIMARILY NITROGEN AND PHOSPHATE FERTILIZERS. ITS MAIN PRODUCTS INCLUDE NITROGEN-PHOSPHORUS-POTASSIUM (NPK) FERTILIZER, MONAMMONIUM PHOSPHATE FERTILIZER, SINGLE SUPERPHOSPHATE FERTILIZER, TRIPLE SUPERPHOSPHATE FERTILIZER, AND PHOSPHORITE FERTILIZER. IT ALSO PRODUCES AMMONIA, NITRIC ACID, PHOSPHORIC ACID, SULFURIC ACID, AND, REPORTEDLY, HYDROCHLORIC ACID.

THIS REPORT INCLUDES A GENERAL DISCUSSION OF THE COMBINE AND A TABLE THAT SUMMARIZES ITS PRODUCTION

66  
SECRET/ [ ]

25X1

SECRET [ ]

R-04/77

25X1

AREAS AND PROVIDES THE VOLUMES OF MAJOR PRODUCTION BUILDINGS. THE TABLE IS KEYED TO A PHOTOGRAPH OF THE COMBINE.

CIA BIIR RCS13-0013-77 SEP 77 SEC CLASS: 05C MSN: 8P ACCN: S081676

RUSTAVI CHEMICAL PLANT  
WAC NO : 0325 BE/OBJ NO: [ ] UR 413208N 0450318E  
IDHS CODE: [ ] EPF CAT : 30F NPIC NO : - 52-J2  
COMIREX NO: [ ]

25X1  
25X1

25X1

RUSTAVI CHEMICAL PLANT PRODUCES NITROGEN FERTILIZERS, A FEEDSTOCK FOR SYNTHETIC FIBER, AND POSSIBLY TOXIC AGRICULTURAL CHEMICALS. ITS MAIN PRODUCTS INCLUDE AMMONIUM NITRATE AND UREA FERTILIZERS, CAPROLACTAM, AMMONIA, NITRIC ACID, SULFURIC ACID, AND POSSIBLY DRY ICE, ARGON, CYANOGEN SALTS, HYDROGEN CYANIDE, AND AMMONIUM SULFATE.

THIS REPORT INCLUDES A GENERAL DISCUSSION OF THE PLANT AND A TABLE SUMMARIZING ITS PRODUCTION AREAS AND THE VOLUMES OF MAJOR PRODUCTION BUILDINGS. THE TABLE IS KEYED TO A PHOTOGRAPH OF THE PLANT.

NPIC IIR IIR071-77 13 OCT 77 SEC CLASS: 05C MSN: 3P ACCN: S081677

CHINCHENG AIRCRAFT ENGINE TEST FACILITY PROB CH 352650N 1125825E  
WAC NO : 0385 BE/OBJ NO: [ ] NPIC NO : - 56-A2  
IDHS CODE: [ ] EPF CAT : 056 COMIREX NO:

25X1  
25X1

25X1

A PROBABLE AIRCRAFT ENGINE TEST FACILITY WAS IDENTIFIED 7.5 NAUTICAL MILES SOUTHEAST OF CHIN-CHENG, SHANSI PROVINCE, CHINA, ON PHOTOGRAPHY OF [ ] THIS FACILITY WAS PREVIOUSLY DESIGNATED CHIN-CHENG FABRICATION INDUSTRY.

DIA NBRG NDA06-5087-77 27 OCT 77 SEC CLASS: 056 MSN: 1P ACCN: S081703

PETROPAVLOVSK NAVAL FACILITIES NE APPROACHES UR 5300 N 15838 E  
WAC NO : 0194 BE/OBJ NO: [ ] NPIC NO :  
IDHS CODE: [ ] EPF CAT : 75 COMIREX NO:

25X1  
25X1

DIA NBRG NDA06-5088-77 27 OCT 77 SEC CLASS: 056 MSN: 1P ACCN: S081704

PETROPAVLOVSK NAVAL BASE MYS IZMENNY UR 525635N 1583917E  
WAC NO : 0194 BE/OBJ NO: [ ] NPIC NO : - 11-S1  
IDHS CODE: [ ] EPF CAT : 75B COMIREX NO: [ ]

25X1  
25X1

25X1

DIA NBRG NDA06-5089-77 27 OCT 77 SEC CLASS: 056 MSN: 1P ACCN: S081705

PETROPAVLOVSK NAVAL BASE RAKOVAYA GUBA UR 525740N 1583945E  
WAC NO : 0194 BE/OBJ NO: [ ] NPIC NO : - 12-Y

25X1

67  
SECRET [ ]

25X1

SECRET [redacted]

R-04/77

25X1

25X1

IDHS CODE: [redacted] EPF CAT : 75B COMIREX NO: [redacted]

25X1

DIA NBRG NDA06-5090-77 27 OCT 77 SEC CLASS: 056 MSN: 1P ACCN: 5081706

PETROPAVLOVSK MISSILE PATROL BOAT BASE UR 525825N 1584004E  
WAC NO : 0194 BE/OBJ NO: [redacted] NPIC NO : - 12-N2  
IDHS CODE: [redacted] EPF CAT : 75B COMIREX NO: [redacted]

25X1  
25X1

25X1

CIA INFR IS10122-77 17 OCT 77 SEC CLASS: 05 MSN: 4P ACCN: 5081747

MILITARY, GROUND FORCES TRAINING CU  
WAC NO : BE/OBJ NO: NPIC NO :  
IDHS CODE: EPF CAT : 35B COMIREX NO:

TWENTY-EIGHT CUBAN MILITARY INSTALLATIONS WERE STUDIED IN AN ATTEMPT TO DETERMINE IF THERE WERE ANY CHANGES IN THE LEVEL OF MILITARY TRAINING ACTIVITY PRIOR TO THE COMMITMENT OF CUBAN GROUND FORCES TO ANGOLA IN SEPTEMBER 1975. ALTHOUGH MILITARY TRAINING ACTIVITY WAS OBSERVED, SUFFICIENT REPETITIVE COVERAGE TO DETECT THE SUBTLE CHANGES IN THE LEVEL OR NATURE OF MILITARY TRAINING THAT WOULD JUSTIFY THE CONCLUSION THAT SOMETHING UNUSUAL WAS OCCURRING WAS LACKING.\*

CIA INFR IS10123-77 14 OCT 77 SEC CLASS: 05 MSN: 2P ACCN: 5081748

MILITARY, GREEK/TURKISH TROOP DISPOSITION CY  
WAC NO : BE/OBJ NO: NPIC NO :  
IDHS CODE: EPF CAT : 35 COMIREX NO:

25X1

ANALYSIS OF [redacted] PHOTOGRAPHY REVEALS NO SIGNIFICANT CHANGE IN THE DISPOSITION OF GREEK AND TURKISH FORCES ON CYPRUS. THIS ANALYSIS IS BASED ON CLOUD FREE, SMALL-SCALE PHOTOGRAPHY OF THE ENTIRE ISLAND.

DIA NBRG NDA07-5358-77 09 NOV 77 SEC CLASS: 056 MSN: 1P ACCN: 5081854

BAKLASHI ARMY BARRACKS AL1 + HQ MRD UR 521031N 1035754E  
WAC NO : 0200 BE/OBJ NO: [redacted] NPIC NO : - 6  
IDHS CODE: [redacted] EPF CAT : 35A COMIREX NO: [redacted]

25X1  
25X1

25X1

DIA NBRG NDA07-5359-77 09 NOV 77 SEC CLASS: 056 MSN: 1P ACCN: 5081855

TSUGOL ARMY BARRACKS AL3 UR 510335N 1153317E  
WAC NO : 0202 BE/OBJ NO: [redacted] NPIC NO : - 16-A3  
IDHS CODE: [redacted] EPF CAT : 35A COMIREX NO: [redacted]

25X1  
25X1

25X1

68  
SECRET [redacted]

25X1

SECRET/ [redacted]

R-04/77

25X1

DIA NBRG NDA07-5360-77 09 NOV 77 SEC CLASS: 05B MSN: 1P ACCN: S081856

ORDZHONIKIDZE ARMY BARRACKS SOUTH AL6  
WAC NO : 0325 BE/OBJ NO: [redacted]  
IDHS CODE: [redacted] EPF CAT : [redacted]  
UR 430023N 0444046E  
NPIC NO : - 18-E  
COMIREX NO: [redacted]

25X1

DIA NBRG NDA07-5361-77 09 NOV 77 SEC CLASS: 05B MSN: 1P ACCN: S081857

KOVROV ARMY BARRACKS NE AL2  
WAC NO : 0154 BE/OBJ NO: [redacted]  
IDHS CODE: [redacted] EPF CAT : [redacted]  
UR 562301N 0411950E  
NPIC NO : - 30-I  
COMIREX NO: [redacted]

25X1

DIA NBRG NDA07-5362-77 09 NOV 77 SEC CLASS: 05B MSN: 1P ACCN: S081858

DZERZHINSK ARMY BARRACKS AL1  
WAC NO : 0154 BE/OBJ NO: [redacted]  
IDHS CODE: [redacted] EPF CAT : [redacted]  
UR 561440N 0432858E  
NPIC NO : - 12-D1  
COMIREX NO: [redacted]

25X1

DIA NBRG NDA07-5363-77 09 NOV 77 SEC CLASS: 05B MSN: 1P ACCN: S081859

ORDZHONIKIDZE ARMY BARRACKS EAST AL9  
WAC NO : 0325 BE/OBJ NO: [redacted]  
IDHS CODE: [redacted] EPF CAT : [redacted]  
UR 430229N 0444335E  
NPIC NO : - 18-I  
COMIREX NO: [redacted]

25X1

DIA NBRG NDA06-5094-77 08 NOV 77 SEC CLASS: 05G MSN: 1P ACCN: S081879

KOMSOMOLSK SHIPYARD AMUR 199  
WAC NO : 0204 BE/OBJ NO: [redacted]  
IDHS CODE: [redacted] EPF CAT : [redacted]  
UR 503232N 1370240E  
NPIC NO : - 13-E  
COMIREX NO: [redacted]

25X1

NPIC IIR IIR087-77 03 SEP 77 SEC CLASS: 05B MSN: 2P ACCN: S081890

NIKOLAYEV/GALITSYNOVO PORT FACILITIES NEW U/C  
WAC NO : 0250 BE/OBJ NO: [redacted]  
IDHS CODE: [redacted] EPF CAT : 75I  
UR 464549N 0315712E  
NPIC NO : - 46-E  
COMIREX NO: [redacted]

ON PHOTOGRAPHY OF [redacted] A MAJOR NEW BLACK SEA PORT FACILITY WAS OBSERVED UNDER CONSTRUCTION 2 NAUTICAL MILES (NM) SOUTH OF GALITSYNOVO ON THE EAST BANK OF BUGSKIY LIMAN (ESTUARY) AND 4 NM SOUTH OF NIKOLAYEV PORT FACILITIES SOUTH, THE PRINCIPAL MILITARY EXPORTING FACILITY IN THE SOVIET UNION. REVIEW OF PREVIOUS IMAGERY REVEALED INITIAL GROUND SCARRING FOR THE NEW FACILITY BEGAN DURING [redacted]

25X1

69  
SECRET/ [redacted]

SECRET

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25X1

DIA NBRG NDA06-5091-77 08 NOV 77 SEC CLASS: 05B MSN: 1P ACCN: S082033

25X1

SAYDA GUBA NAVAL MISSILE STORAGE

WAC NO : 0051 BE/OBJ NO: [ ]  
IDHS CODE: [ ] EPF CAT : 406

UR 691502N 0332133E  
NPIC NO : - 31-B  
COMIREX NO: [ ]

25X1

DIA NBRG NDA06-5092-77 08 NOV 77 SEC CLASS: 05B MSN: 1P ACCN: S082034

25X1

ANDREEVA GUBA NUCLEAR SUBMARINE SUPPORT FACIL

WAC NO : 0051 BE/OBJ NO: [ ]  
IDHS CODE: [ ] EPF CAT : 75A

UR 692705N 0322136E  
NPIC NO : - 40-B  
COMIREX NO: [ ]

25X1

DIA NBRG NDA06-5093-77 08 NOV 77 SEC CLASS: 05B MSN: 1P ACCN: S082035

25X1

PALA GUBA NAVAL BASE + SHIP REPAIR YARD

WAC NO : 0051 BE/OBJ NO: [ ]  
IDHS CODE: [ ] EPF CAT : [ ]

UR 691156N 0332456E  
NPIC NO : - 47  
COMIREX NO: [ ]

25X1

25X1

PALA GUBA NAVAL BASE + SHIP REPAIR YARD

WAC NO : 0051 BE/OBJ NO: [ ]  
IDHS CODE: [ ] EPF CAT : [ ]

UR 691156N 0332456E  
NPIC NO : - 47  
COMIREX NO: [ ]

25X1

DIA NBRG NDA06-5095-77 12 NOV 77 SEC CLASS: 05B MSN: 1P ACCN: S082036

25X1

LIEPAJA NAVAL FACILITIES APPROACHES

WAC NO : 0152 BE/OBJ NO: [ ]  
IDHS CODE: [ ] EPF CAT : [ ]

UR 563100N 0210100E  
NPIC NO : [ ]  
COMIREX NO: [ ]

DIA NBRG NDA06-5096-77 12 NOV 77 SEC CLASS: 05B MSN: 1P ACCN: S082037

25X1

LIEPAJA NAVAL BASE + SHIPYARD

WAC NO : 0152 BE/OBJ NO: [ ]  
IDHS CODE: [ ] EPF CAT : [ ]

UR 563248N 0210153E  
NPIC NO : - 4  
COMIREX NO: [ ]

25X1

25X1

LIEPAJA NAVAL BASE + SHIPYARD

WAC NO : 0152 BE/OBJ NO: [ ]  
IDHS CODE: [ ] EPF CAT : [ ]

UR 563248N 0210153E  
NPIC NO : - 4  
COMIREX NO: [ ]

25X1

CIA INFR IS10156-77 15 NOV 77 SEC CLASS: 05 MSN: 24P ACCN: S082080

25X1

ADEN PORT FACILITIES

WAC NO : 0687 BE/OBJ NO: [ ]  
IDHS CODE: [ ] EPF CAT : 75I

YS 124715N 0450027E  
NPIC NO : - 15  
COMIREX NO: [ ]  
YE 1444 N 04257 E

25X1

HODEIDAH PORT FACILITIES

70  
SECRET

25X1



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R-04/77

25X1

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WAC NO : 0687	BE/OBJ NO:	NPIC NO :
IDHS CODE: [ ]	EPF CAT : 75I	COMIREX NO:
ASSAB PORT FACILITIES		ET 130030N 0424530E
WAC NO : 0687	BE/OBJ NO: [ ]	NPIC NO : - 16-A
IDHS CODE: [ ]	EPF CAT :	COMIREX NO: [ ]
MASSAUA PORT FACILITIES		ET 1537 N 03928 E
WAC NO : 0688	BE/OBJ NO:	NPIC NO :
IDHS CODE: [ ]	EPF CAT :	COMIREX NO:
BEIRA PORT FACILITIES		MZ 194932S 0345005E
WAC NO : 1176	BE/OBJ NO:	NPIC NO : - 4-A
IDHS CODE: [ ]	EPF CAT :	COMIREX NO: [ ]
MAPUTO PORT FACILITIES		MZ 255830S 0323415E
WAC NO : 1299	BE/OBJ NO:	NPIC NO : - 1-A1
IDHS CODE: [ ]	EPF CAT :	COMIREX NO: [ ]
NACALA PORT FACILITIES		MZ 143212S 0404015E
WAC NO : 1155	BE/OBJ NO:	NPIC NO : - 2-A
IDHS CODE: [ ]	EPF CAT :	COMIREX NO: [ ]
AL BASRAH PORT FACILITIES		IZ 303349N 0474737E
WAC NO : 0445	BE/OBJ NO:	NPIC NO : - 3-6
IDHS CODE: [ ]	EPF CAT :	COMIREX NO: [ ]
UMM QASR PORT FACILITIES		IZ 300152N 0475657E
WAC NO : 0445	BE/OBJ NO:	NPIC NO : - 6
IDHS CODE: [ ]	EPF CAT :	COMIREX NO: [ ]
VISHAKHAPATNAM PORT FACILITIES		IN 174152N 0831703E
WAC NO : 0674	BE/OBJ NO:	NPIC NO : - 9-E
IDHS CODE: [ ]	EPF CAT :	COMIREX NO:

THIS MEMORANDUM PRESENTS THE RESULTS OF A PHOTOGRAPHIC STUDY OF 10 INDIAN OCEAN AND PERSIAN GULF PORTS. THE PURPOSE OF THE STUDY WAS TO IDENTIFY WHAT FACILITIES EXIST AT THESE PORTS THAT THE SOVIETS MIGHT BE ABLE TO USE IF BERBERA, SOMALIA, WAS NO LONGER AVAILABLE TO THEM. ALL OF THE PORTS WERE IMAGED ONE OR MORE TIMES ON GOOD QUALITY IMAGERY BETWEEN [ ] THE RESULTS OF THE ANALYSIS OF THESE PORTS ARE INCLUDED IN INDIVIDUAL PORT SUMMARIES AND ACCOMPANYING PHOTOGRAPHS. AN ATTEMPT WAS MADE TO PROVIDE THE BEST QUALITY IMAGERY OF EACH PORT ALTHOUGH IN MANY CASES THE ENLARGEMENTS WERE MADE FROM PHOTOGRAPHY WHICH IS OLDER THAN THAT USED FOR THE DETAILED ANALYSIS.

71  
SECRET [ ]

### List of Conversion Factors by Classification

#### UNITS OF LENGTH

IF YOU HAVE	MULTIPLY BY	TO OBTAIN
MILLIMETERS	0.0394	INCHES
CENTIMETERS	0.3937	INCHES
INCHES	25.4000	MILLIMETERS
INCHES	2.5400	CENTIMETERS
FEET	0.3048	METERS
FEET	0.0003	KILOMETERS
YARDS	0.9144	METERS
METERS	3.2808	FEET
METERS	0.0005	MILES(NAUTICAL)
METERS	1.0936	YARDS
KILOMETERS	3280.8400	FEET
KILOMETERS	0.6214	MILES(STATUTE)
KILOMETERS	0.5400	MILES(NAUTICAL)
MILES(STATUTE)	1.6093	KILOMETERS
MILES(NAUTICAL)	6076.1154	FEET
MILES(NAUTICAL)	1.8520	KILOMETERS
MILES(NAUTICAL)	1852.0000	METERS

#### UNITS OF MASS

IF YOU HAVE	MULTIPLY BY	TO OBTAIN
KILOGRAMS	2.2046	POUNDS(AVOIR.)
POUNDS(AVOIR.)	0.4536	KILOGRAMS
SHORT TONS	0.9072	METRIC TONS
METRIC TONS	1.1023	SHORT TONS
METRIC TONS	0.9842	LONG TONS
LONG TONS	1.0160	METRIC TONS

#### UNITS OF VOLUME

IF YOU HAVE	MULTIPLY BY	TO OBTAIN
LITERS	0.2642	GALLONS
LITERS	0.0063	BARRELS(POL)
LITERS	0.0010	CUBIC METERS
GALLONS	3.7854	LITERS
GALLONS	0.1337	CUBIC FEET
GALLONS	0.0238	BARRELS(POL)
GALLONS	0.0038	CUBIC METERS
BUSHELS	0.0352	CUBIC METERS
CUBIC FEET	7.4805	GALLONS
CUBIC FEET	0.1781	BARRELS(POL)
CUBIC FEET	0.0283	CUBIC METERS
CUBIC YARDS	0.7646	CUBIC METERS
BARRELS(POL)	158.9873	LITERS
BARRELS(POL)	42.0000	GALLONS
BARRELS(POL)	5.6146	CUBIC FEET
BARRELS(POL)	0.1590	CUBIC METERS
CUBIC METERS	1000.0000	LITERS
CUBIC METERS	264.1721	GALLONS
CUBIC METERS	35.3147	CUBIC FEET
CUBIC METERS	28.3776	BUSHELS
CUBIC METERS	6.2898	BARRELS(POL)
CUBIC METERS	1.3080	CUBIC YARDS

#### UNITS OF AREA

IF YOU HAVE	MULTIPLY BY	TO OBTAIN
SQUARE CENTIMETERS	0.1550	SQIARE INCHES
SQUARE INCHES	6.4516	SQUARE CENTIMETERS
SQUARE FEET	0.0929	SQUARE METERS
SQUARE YARDS	0.8361	SQUARE METERS
SQUARE METERS	10.7639	SQUARE FEET
SQUARE METERS	1.1960	SQUARE YARDS
SQUARE METERS	1.0000	CENTARES
SQUARE METERS	0.0002	ACRES
SQUARE METERS	0.0001	HECTARES
ACRES	4046.8564	SQUARE METERS
ACRES	0.4047	HECTARES
HECTARES	10000.0000	SQUARE METERS
HECTARES	2.4711	ACRES

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