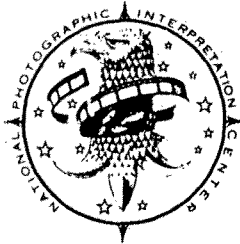


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**PHOTOGRAPHIC
INTERPRETATION
REPORT**

NATIONAL PHOTOGRAPHIC
INTERPRETATION CENTER

**HARDENED COMMUNICATIONS AND
BUNKERED FACILITIES IN EASTERN
EUROPE**

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JANUARY 1973

COPY NO.

12 PAGES

PIR-057/72

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INSTALLATION OR ACTIVITY NAME

COUNTRY

Hardened Communications and Bunkered Facilities in Eastern Europe

See below

UTM COORDINATES	GEOGRAPHIC COORDINATES	CATEGORY	BE NO.	COMIREX NO.	NIETB NO.
NA	See below	See below	See below	See below	See below

MAP REFERENCE

See below

LATEST IMAGERY USED

NEGATION DATE (if required)

NA

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NAME	COORDINATES	COUNTRY	CATEGORY	BE NUMBER	NIETB NO	MAP REFERENCE	COMIREX
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PAPA RADCOM STATION/ BNK/HARD	47-17-00N 017-33-30E	HU				0252-5	
ISLAZ RADCOM STATION/ HARD	44-28-25N 026-23-20E	RU				0251-23	
SOFIA RADCOM STATION/ BNK/HARD	42-44-50N 023-12-20E	BU				0322-8	
YAMBOL RADCOM STATION/ BNK/HARD	42-30-40N 026-32-50E	BU				0322-10	
NOVA ZAGORA RADCOM STATION/BNK/HARD	42-30-00N 025-54-15E	BU				0322-10	
RECHITSA POSSIBLE ELECTRONICS FACILITY	42-36-25N 026-09-20E	BU				0322-9	

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ABSTRACT

1. This is the first in a series of reports on hardened communications and bunkered electronics facilities in Eastern Europe and the USSR. This report describes only those facilities in Eastern Europe.

2. This report describes nine hardened communications facilities in [redacted] Hungary, Rumania, and Bulgaria. Also included in this report are two bunkered facilities, under construction, [redacted] These two facilities do not have hardened antennas at the present time; however, the antennas may be constructed in the future.

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3. Included are a location map and 11 annotated photographs. The photographic interpretation data in this report is based on all photography available through September 1972 [redacted]

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INTRODUCTION

4. Nine hardened communications facilities have been identified in [redacted] Hungary, Rumania, and Bulgaria as of September 1972 [redacted] Each of these facilities, [redacted] contains a central control bunker and at least three hardened antennas. Aboveground high frequency (HF) antennas are present at only two of the facilities. All of the facilities [redacted] are still under construction or have just recently been externally completed. [redacted]

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5. None of the facilities have multichannel communications antennas or mobile communications antennas associated with them.

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9. Other reasons for the non-identification of correspondents are the fact that the deployment of hardened antennas in Eastern Europe is probably in the initial stages and the lack of current photography.

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11. This report is the first in a series of reports on hardened communications and bunkered facilities in Eastern Europe and the USSR. This report describes only those facilities in Eastern Europe.

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BASIC DESCRIPTION

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Hungary

Papa Radcom Station/Bnk/Hard (Figure 7)

25. This facility is 4.8 nm southeast of Papa and is currently in the late stages of construction.

26. The facility consists of a bunker and three pairs of frequency diverse hardened antennas under construction. Although there is a construction support area at this facility, no construction has yet begun on a permanent operations/support area.

27. Open cable/conduit trenches extend from the facility toward the northeast, southeast, and southwest. Because excavation activity is still continuing, it is not known, where the termini for these cable/conduit trenches will be.

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Rumania**Islaz Radcom Station/Hard (Figure 8)**

28. This facility is 0.5 nm north of Islaz and 12 nm east-northeast of Bucharest. The facility contains two hardened antennas, two double rhombic antennas, eight horizontal dipole antennas, a control building and a control building/bunker, and a small support area.

Sofia Radcom Station/Bnk/Hard (Figure 9)

29. This facility is 5.8 nm northwest of Sofia and 0.9 nm south of Sofia/Bozhuriste Airfield

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30. The facility, which is externally complete, consists of a bunker, four hardened antennas, and an associated support area.

Yambol Radcom Station/Bnk/Hard (Figure 10)

31. This facility is 2 nm northeast of Yambol and contains two frequency diverse pairs of hardened antennas, one single hardened antenna, a rectangular bunker, and a small support area.

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Nova Zagora Radcom XMTR Station/Bnk (Figure 11)

32. This facility is 6 nm northwest of Nova Zagora and is in the late stages of construction.

33. It contains four frequency diverse pairs of hardened antennas, 18 double rhombic antennas, ten horizontal dipole antennas, a rectangular bunker, and a small support area.

34. As is the case with hardened communications facilities with association aboveground HF antennas identified in the Soviet Union, there are more aboveground HF antennas than hardened antennas. The reason for the larger number of aboveground HF antennas than hardened antennas has not yet been resolved from photography.

Rechitsa Possible Electronics Facility (Figure 12)

35. This facility is 2 nm northwest of Rechitsa and is in the late stage of construction. It contains three frequency diverse pairs of hardened antennas and a single hardened antenna atop a hill, a hardened control center in a cave, below the hardened antennas, and a small support area.

REFERENCES

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DOCUMENTS

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2. NPIC: [] PIN-096/71, *Hardened Antennas at Chekhov Command and Control Facility/Hard*, Jul 71 (TOP SECRET CHESS RUFF [])

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3. NPIC: [] PIN-036/72, *Hardened Antennas at Lozhki Radio Relay and Radio Communications Transmitting Facility*, Apr 72 (TOP SECRET CHESS RUFF [])

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4. NPIC: [] RCA-03/0019/72, *Two Probable Soviet General Staff Radio Communications Stations Near Moscow*, Apr 72 (TOP SECRET CHESS RUFF [])

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8. 66th MI Gp. IR 2 212 1981 71, Jul 71 (CONFIDENTIAL)

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10. USMLM. IR 1 215 0153 71, May 71 (CONFIDENTIAL [])

MAPS OR CHARTS

SAC. US Air Target Chart, Series 200, Sheet 0169-6, 0169-21, 0251-23, 0252-5, 0322-8, 0322-9, 0322-10, Scale 1:200,000 (SECRET)

REQUIREMENT

NPIC/IEG/MSD/CB Project 120304NH

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