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NATIONAL PHOTOGRAPHIC INTERPRETATION CENTER

NOFORN

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basic imagery interpretation report

Soviet Mobile Missile Summary

[redacted]

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DEPLOYED STRATEGIC SSM FACILITIES
BE: Various
USSR

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FEBRUARY 1984
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Soviet Mobile Missile Summary

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List of Acronyms and Abbreviations

AAD	Azimuth alignment device
APC	Armored personnel carrier
C3	Command, control, and communications
can/cap	canister/capsule
CC&D	camouflage, concealment, and deception
Cplx	Complex
CP/Bnk	Command post/bunker
CSF	Complex support facilities
CTA	Crew-training area
DDTA	Dispersal/driver-training area
Div	Division
ESF	East support facility
FTA	Field-training area
FTX	Field-training exercise
GSA	General support area
GSE	Ground support equipment
Hd	Hardened
Hq	Headquarters
HP/TD	Hardpoint/tiedown
ICBM	Intercontinental ballistic missile
IR	Intermediate range
IRBM	Intermediate-range ballistic missile
km	kilometer(s)
LAD	Launch assist device
LP	Launch position
LRCM	Long-range cruise missile
LRP	Launch reference position
LS	Launch site
LTS	Launch test site
MHF	Missile-handling facility
MOB	Mobile missile base
MRACA	Missile receiving and checkout area
MRB	Missile-ready building/bunker
MR	Medium range
MRBM	Medium-range ballistic missile
MSE	Missile support equipment
MSRD	Missile support rear depot
MSTC	Missile/space test center
MSV	Missile support van
MTC	Missile test center
nm	nautical mile(s)
NPHF	Nuclear payload handling facility
NPIC	National Photographic Interpretation Center
NWHF	Nuclear warhead handling facility
NWSA	Nuclear weapons storage area
PBV	Postboost vehicle
PGCS	Propulsion guidance control section
PHF	Payload-handling facility
POE	Piece(s) of equipment
Rad	Radio
Radcom	Radio communications
Rcvr	Receiver
Regt	Regiment
R&D	Research and development
RIC	Receiving, inspection, and checkout
RIM	Receiving, inspection, and maintenance
RISA	Receiving/inspection/storage area
RTP	Rail-to-road transfer point
Rvt	Revetment
SBG	Single-bay garage
SMRA	Silo materials receiving area
SRF	Strategic Rocket Forces
SSM	Surface-to-surface missile
Sta	Station
TEL	Transporter-erector-launcher
TMC	Truck-mounted crane
TSA	Temporary support area
UHF/VHF	Ultra high frequency/very high frequency
Xmtr	Transmitter

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Declassified in Part - Sanitized Copy Approved for Release 2012/01/19 : CIA-RDP84T00491R000100460001-6

TABLE OF CONTENTS

Declassified in Part - Sanitized Copy Approved for Release 2012/01/19 : CIA-RDP84T00491R000100460001-6

Declassified in Part - Sanitized Copy Approved for Release 2012/01/19 : CIA-RDP84T00491R000100460001-6

SOVIET MOBILE MISSILE SUMMARY

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SUMMARY

1. This report updates information in NPIC report [redacted] and describes significant mobile missile-related activity observed at SS-20 mobile IRBM bases, C3 facilities, MSRDs, two offensive MTCs, and missile-related R&D and production facilities in the USSR (Figure 1). In addition, this report includes a listing of SS-20 FTXs observed during the reporting period, CC&D activity at mobile missile-related facilities, a section dealing with construction of potentially strategic significance in the Irkutsk area and a new MOB under construction at Yoshkar-Ola, and significant information derived from [redacted] (TSR) 25X1 25X1 25X1

HIGHLIGHTS

2. Significant activity/observations during the reporting period included the following:

		Paragraph(s)	Figure(s)
a.	Battalion-level FTX at Drovyanaya included three live missile firings;	5–7	2, 3
b.	Barnaul Mobile IRBM Base 4 identified in the initial stages of construction;	13	6
c.	Barnaul Mobile IRBM Base 2 assessed to be operational;	14	7
d.	Barnaul Mobile IRBM Base 3 assessed to be operational;	15	8
e.	Kansk Mobile IRBM Base 1 assessed to be operational;	17	9
f.	New FTA identified in the Yurya area;	19	10
g.	Special snow clearing for the SS-16 LRPs at Plesetsk for the eighth consecutive winter;	50–54	16
h.	Fifth launch of an SS-X-25 at Plesetsk;	55–57	
i.	Construction of facilities associated with the rail-mobile variant of the SS-X-24 continued;	61–66	18–21
j.	Three construction areas of potentially strategic significance identified in the Irkutsk area;	79–82	22–24
k.	New MOB under construction at Yoshkar-Ola. (TSR)	83	25

3. This report covers the period from [redacted] however, one item of high interest—discovered after the imagery cutoff date but during the composition of the report— has been added (Yoshkar-Ola, paragraphs 83 and 84). One location map, 24 annotated photographs, two tables, and one chart are included in this report. (S/WN) 25X1

DISCUSSION

Deployed Complexes and C3 Activity

4. As of [redacted] 42 of the 44 mobile IRBM bases were either in the late stages of construction or complete and were assessed to be capable of supporting an operational unit. This represents an increase of three operational bases and one base under construction since the publication of the last Soviet Mobile Missile Summary. (The base under construction at Yoshkar-Ola is excluded from these totals pending determination of the missile system to be deployed there.) Based on previous construction, the 44 bases and the remote site at Drovyanaya will contain 399 SBGs to house SS-20 missiles on launchers. Six of the bases are in the eastern section of the USSR, 21 are in the central section of the USSR, and 17 are in the western section of the USSR. The status of the deployed complexes and C3 activity is presented in Tables 1 and 2 at the end of this report. (S/WN) 25X1

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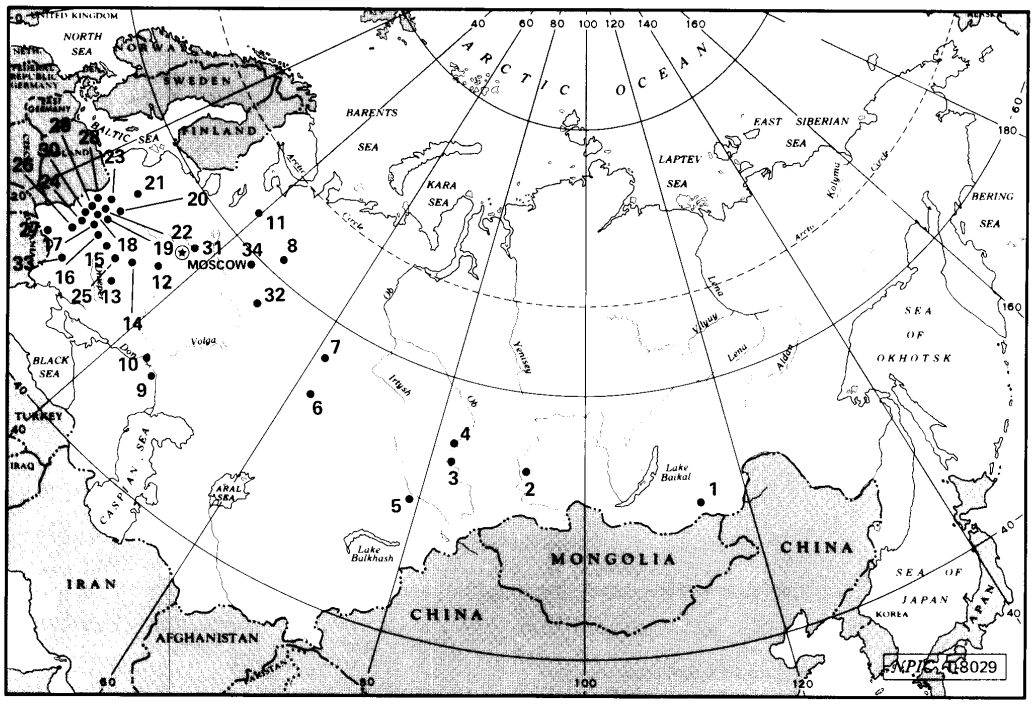

FIGURE 1. LOCATIONS OF MOBILE MISSILE-RELATED ACTIVITY IN THE USSR

Item	Installation Name	BE No
1	Drovyanaya Mobile IRBM Base 1	
	Drovyanaya Mobile IRBM Base 2	
	Drovyanaya Mobile IRBM Base 3	
	Drovyanaya Mobile IRBM Base 4	
	Drovyanaya Mobile IRBM Base 5	
	Drovyanaya SS-20 Remote Site 1	
	Drovyanaya SS-20 Payload Handling Fac	
2	Kansk Mobile IRBM Base 1	
	Kansk Mobile IRBM Base 2	
	Kansk SS-20 Support Complex	
3	Barnaul Mobile IRBM Base 1	
	Barnaul Mobile IRBM Base 2	
	Barnaul Mobile IRBM Base 3	
	Barnaul Mobile IRBM Base 4	
	Barnaul SS-20 Support Complex	
4	Novosibirsk Mobile IRBM Base 1	
	Novosibirsk Mobile IRBM Base 2	
	Novosibirsk Mobile IRBM Base 3	
	Novosibirsk Mobile IRBM Base 4	
	Novosibirsk Mobile IRBM Base 5	
	Novosibirsk Mobile IRBM Base 6	
5	Semipalatinsk NWPG	
6	Bobrovskiy Missile Support Rear Depot	
7	Verkhnyaya Salda Mobile IRBM Base 1	
	Verkhnyaya Salda Mobile IRBM Base 2	
	Verkhnyaya Salda Mobile IRBM Base 3	
	Verkhnyaya Salda Mobile IRBM Base 4	
	Verkhnyaya Salda Mobile IRBM Base 5	
8	Yurya Mobile IRBM Base 1	
	Yurya Mobile IRBM Base 2	
	Yurya Mobile IRBM Base 3	
	Yurya Mobile IRBM Base 4	
	Yurya Mobile IRBM Base 5	
9	Kapustin Yar Missile/Space Test Center SSM	
10	Volgograd Steel and Machinery Plant Krasnyy Barricada 221	
11	Plesetsk Missile/Space Test Center SSM	
12	Serpukhov SSM Engineering Research Training Facility	
13	Lebedin Mobile IRBM Base 1	
	Lebedin Payload Handling Facility	
14	Bryansk Guided Missile Support Equipment Plant II	
15	Rechitsa Mobile IRBM Support Base	
	Rechitsa Mobile IRBM Base 1A	
	Rechitsa Mobile IRBM Base 1B	
	Rechitsa Mobile IRBM Base 1C	
16	Mozyr Mobile IRBM Base	
17	Konkovichi Mobile IRBM Base	
18	Novaya Mezinovka Missile Support Rear Depot	
19	Gresk Mobile IRBM Base 1	
20	Postavy Mobile IRBM Base	
21	Polotsk Mobile IRBM Base 1	
	Polotsk Mobile IRBM Base 2	
22	Minsk Motor Vehicle and Guided Missile Support Plant	
23	Smorgon Mobile IRBM Base 1	
	Smorgon Mobile IRBM Base 2	
24	Kozhanovichi Mobile IRBM Base	
25	Krolevets Mobile IRBM Base 1	
26	Kivertsy Mobile IRBM Base 2	
	[redacted]	
27	Lutsk Mobile IRBM Base 1	
28	Lida Mobile IRBM Base 1	
29	Dyatlovo Mobile IRBM Base 1	
	Dyatlovo Payload Handling Facility	
30	Slonim Mobile IRBM Base 1	
31	Krasnoarmeysk Solid Motor Development Facility	
32	Glazov Missile Support Rear Depot	
33	Balta Missile Support Rear Depot	
34	Yoshkar-Ola Mobile Missile Base 1	

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The combination of the above figure and list is classified TOP SECRET RUFF

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Eastern USSR

Chita SRF Army

5. **Drovyanaya SSM Complex** Between a battalion-sized SS-20 FTX, which included three live firings of SS-20 missiles, was observed at Drovyanaya FTA 24 The firings took place on and (DEFSMAC S/DQ/1050-83 [S], S/DQ/1084-83 [S], and S/DQ/1099-83 [S]). Analysis of the imagery did not reveal any direct evidence of the three launches; no blast marks, spent canisters, or end caps were seen. The first imagery of the area was obtained on however, heavy clouds precluded complete coverage. A launch battalion consisting of three probable SS-20 TELs, five probable MSVs, and at least five unidentifiable support vehicles was observed. A TSA composed of six tents was approximately 200 meters from the launch battalion. Cloud-free imagery acquired on revealed the presence of a possible regimental C3 unit, 2 nm west of the launch battalion, and two additional TSAs. The regimental C3 unit consisted of at least six camouflaged vehicles. The two TSAs, approximately 1 to 2 nm west of the battalion, contained 13 heavily camouflaged support vehicles and 17 uncamouflaged support vehicles, respectively. A HIP helicopter was immediately south of the launch battalion on The launch battalion (Figure 2) was still present on however, the helicopter had departed. (S/WN)

6. In addition to the activity around the launch area, on a C3 radio relay-associated unit was identified at Drovyanaya SS-20 C3 Relay Site, approximately 35 nm west of the launch battalion (Figure 3). The unit contained two TWIN EAR troposcatter communications sets. The antennas on one unit were oriented toward the regimental C3 unit near the launch battalion, on an azimuth of 260 degrees. The antennas on the second unit were oriented toward Drovyanaya ICBM Headquarters Radcom Receiver/Bunker/Hardened, 56 nm to the northeast, on an azimuth of The last confirmed launch from this complex (prior to this exercise) took place in June 1982 (DEFSMAC S/DQ/475-82 [S] and S/DQ/477-82 [S]). The first launch from the complex took place in June 1981 (DEFSMAC S/DQ/402-81 [S]). (S/WN)

7. **Drovyanaya SS-20 Payload Handling Facility.** An SS-20 warhead-handling operation was in progress on Two type I warhead vans (one that appeared to have its tray extended), one TMC, and three UAZ-69 utility vehicles were on the apron in front of the high two-bay building. Three MSVs were in front of one of the 11-bay garages; a fourth MSV was near the vehicle shed that is parallel to the high two-bay building (Figure 4). (S/WN)

Central USSR

Omsk SRF Army

8. **Novosibirsk Mobile IRBM Base 5.** A rectangular, flat-roofed, single-story building has been constructed in the former SS-7 warhead storage facility. Construction began between and the building appeared to be externally complete on ber. (S/WN)

9. **Novosibirsk IRBM Regiment 5 Headquarters.** A probable STICK PIN (KY-EL-06) antenna was identified on one of the lattice towers on (S/WN)

10. **Novosibirsk IRBM Regiment 1 Headquarters.** Construction of a large C-shaped building in the general support area was progressing slowly on This building has been under construction since at least April 1981. (S/WN)

11. **Novosibirsk SSM Complex** An SS-20 C3 exercise was observed in progress at FTA/R 001 on Two probable C3 units, each consisting of five MSVs, were involved in the exercise. One of the two units was deployed in the middle of the training area, and troops were in the process of deploying light-toned winter camouflage over one MSV. The second unit was deployed to the north of the first. A ground-mounted mast antenna had been erected near one of the camouflaged MSVs, and a truck-mounted TWIN EAR antenna in the travel mode was on the road moving toward the training area (Figure 5). (S/WN)

Orenburg SRF Army

12. **Verkhnyaya SSM Complex CP/Bunker.** The type C satellite communications building, which has been under construction since at least March, was in the late stages of construction on No antennas were on the antenna pedestals. (S/WN)

Unknown SRF Army

13. **Barnaul Mobile IRBM Base 4.** On imagery of Barnaul Mobile IRBM Base 4 (BE a new, scratch-built SS-20 mobile IRBM base, was identified in the early stage of construction at 53-04-00N 083-18-30E. The base is on the west side of the Ob River, 35 nm southwest of Barnaul SS-20 Support Complex and 33.5 nm west of Barnaul Mobile IRBM Base 2 The base consists of an operations area and a GSA. Foundations for three five-bay garages were in the operations area, but construction of the SBGs had not begun. The GSA contained foundations for two 11-bay garages and one probable 11-bay garage. Four additional buildings were in the early stage of construction (Figure 6). (S/WN)

14. **Barnaul Mobile IRBM Base 2.** Construction of the major SS-20-related buildings has been completed, and this scratch-built base has been assessed to be operational. By all nine SBGs and the three associated five-bay garages were externally complete, and parking aprons had been installed in front of each five-bay garage. The security building at the entrance to the operations area was also complete. In the support area, the probable roof-mounted antenna array had been installed on the roof of the C3 building. Two lattice towers had been erected; by a STICK PIN (KY-EL-06) antenna had been mounted atop one of these towers. Other

(Continued p. 8)

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significant structures which appeared to be externally complete on were the two-story barracks, the administration building, the nine- and 11-bay garages, and the steamplant (Figure 7). SS-20-associated MSVs were observed in the operations area for the first time on Between two and ten MSVs were in the operations area for the remainder of the reporting period. (S/WN)

15. **Barnaul Mobile IRBM Base 3.** All major SS-20-related buildings appeared to be externally complete on and this scratch-built base has been assessed to be operational. The operations area contains nine SBGs and three five-bay garages. In the C3 area, two lattice towers (probably supporting UHF/VHF antennas) had been erected, and the probable roof-mounted antenna array had been installed on the roof of the three-story C3 building, which is externally complete. Two complete multibay garages are also in this area. The support area now contains a steamplant, a two-story barracks, and an administration building. SS-20-associated vehicles were first identified at this base on when nine MSVs were in the construction support area; by the MSVs had been moved into the operations area (Figure 8). (S/WN)

16. **Barnaul SS-20 Support Complex.** Construction has advanced to the mid- and late stages at this scratch-built support complex. The high two-bay building, the technical support building, and the vehicle shed in the were externally complete. The NWSA, was in a midstage of construction. At the RTP, construction of two transfer sheds had begun, and foundations for several support buildings were present. (S/WN)

17. **Kansk Mobile IRBM Base 1.** The operations area of this scratch-built base appeared to be complete on and the base has been assessed to be operational. The nine SBGs and the three five-bay garages are externally complete. Snow had been cleared from in front of six SBGs and the three five-bay garages. Additional snow clearing was seen on the operations area access road, where six rectangular areas (three large enough to accommodate a TEL) had been cleared (Figure 9). These clearings resembled the clearings prepared for a launch line during a training exercise. SS-20-associated vehicles were first observed at this base on when five MSVs were in the support area; by nine MSVs were present. (TSR)

18. **Kansk SS-20 Support Complex.** Construction of this scratch-built support complex continued. By the division-level C3 facility was in the late stages of construction. At the NPHF, a clerestory building was in an early stage of construction. The high two-bay building, the technical support building, a vehicle shed, a long narrow shed, and a security building were externally complete. The 11-bay garage was in a late stage of construction. At the RTP, two transfer sheds and the loading platform were complete. (S/WN)

Vladimir SRF Army

19. **Yurya FTA 012** On a new FTA, Yurya FTA 012 was identified approximately 65 nm north of Yurya Mobile IRBM Base 4 and five nm west of Yurya FTA 011 The FTA contained an SS-20 launch battalion in a heavily wooded area, parallel to a main road. The launch battalion consisted of three camouflaged probable TELs and three camouflaged probable MSVs, one with netting on the ground nearby. In addition, one probable security vehicle was at each end of the launch line (Figure 10). (S/WN)

20. **Yurya IRBM Division CP/Bunker.** By the type C satellite communications building was in the late stages of construction. No antennas were on the antenna pedestals. (S/WN)

Western USSR

Smolensk SRF Army

21. **Polotsk Mobile IRBM Base 2.** Leveling jack positions for three SS-20 TELs were between the two center, former SS-4 launch pads on It could not be determined whether this was in preparation for, or the aftermath of, an exercise. (TSR)

22. **Postavy IRBM Division CP/Bunker.** By dish satellite communications antennas had been installed on the pedestals on the roof of the communications satellite building. (S/WN)

23. **Lida IRBM Division CP/Bunker.** On a large excavation in the control bunker and construction activity in the antenna field, including a FISH BONE antenna under construction, were identified at this facility. Also, between two lattice towers, a frequency-diverse pair of horizontal dipole antennas oriented and one horizontal dipole antenna oriented had been constructed around the control bunker. (S/WN)

24. **Lida IRBM Division Radio Transmitter.** On two frequency-diverse pairs of double rhombic antennas, oriented northeast/southwest, were under construction outside the northern portion of the site security fence. Construction activity was also underway in the antenna field. (S/WN)

25. **Lida IRBM Regiment Headquarters.** On a TWIN EAR antenna in the travel mode was identified in the antenna field. This is the first identification of a TWIN EAR unit at this facility. (S/WN)

Vinnitsa SRF Army

26. **Konkovichi Mobile IRBM Base.** On leveling jack positions for three SS-20 TELs were visible in the snow in the northeastern part of the operations area. It was not possible to determine whether this was in preparation for, or the result of, an exercise. (TSR)

(Continued p. 12)

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Next 2 Page(s) In Document Denied

Declassified in Part - Sanitized Copy Approved for Release 2012/01/19 : CIA-RDP84T00491R000100460001-6

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27. **Kozhanovichi MRBM Regiment Headquarters Radcom Transmitter.** At least four horizontal dipole antennas, oriented northwest/southeast, had been added to this transmitter station by These additional antennas were probably installed in conjunction with the expansion of the control building. Construction for the new antennas began between September 1982 and April 1983, after completion of the control building expansion. The antenna field now contains at least eight horizontal dipole antennas, two quadrant antennas, and two communications mast antennas. (S/WN)

28. **Mozyr MRBM Division CP/Bunker.** By the unidentified rectangular building, approximately 100 meters east of the Mozyr MRBM Division CP/Bunker, was in the final stages of construction. Heavy trenching scars extended from the rectangular building to a support building near the control bunker. The function of this building has not been determined. (S/WN)

29. **Mozyr MRBM Division Headquarters Radcom Transmitter Station.** A small, rectangular building and an addition to a support building are under construction near the control building. The construction of both buildings had begun by and was in the midstages on Several cable trenches are present; however, the antenna field has not been modified. The purpose of this construction has not been determined. (S/WN)

30. **Romny IR/MRBM Division Headquarters CP/Bunker and Division Receiver.** Construction continued at the Romny IR/MRBM Division Headquarters CP/Bunker and was underway at the nearby Romny IR/MRBM Division Headquarters Radcom Receiver/Bunker on This activity may be in preparation for the accommodation of additional SS-20 regiments within the Romny division, which currently contains only two SS-20 regiments. In the past, C3 capabilities at division headquarters have been upgraded in similar ways prior to, or concurrent with, the deployment of additional SS-20 regiments. (S/WN)

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31. At the Romny IR/MRBM Division Headquarters CP/Bunker, the activity consisted of upgrading of the antenna field; the excavation of the triple-arch-roofed, earth-mounded control bunker; and construction of additional support buildings. The antenna field consists of an old horizontal dipole, one new possible horizontal dipole, clearings for possibly two more dipoles, a probable 3-3-3 FISH BONE antenna, and a clearing for a possible FISH BONE antenna. Large portions of the control bunker were excavated, and five concrete housings, probably for retractable antennas, had been installed. A small bunker had been built just east of the control bunker, and another small bunker of the same size was being built beside it. Components for additional bunkers were near both small bunkers, and the foundation for a small, rectangular building was near the control bunker (Figure 11). Three large, rectangular buildings were under construction in the northern portion of the support area. Two construction support camps were in the support area; one camp consisted of eight large tents and several trailers, and the second camp consisted of several storage sheds. (S/WN)

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25X1

32. At the receiver facility, all the antennas were removed between September 1982 and July 1983, and construction had begun on a small rectangular building. As of a small support building had been constructed, and several cable trenches had been dug near the rectangular building (Figure 12). (S/WN)

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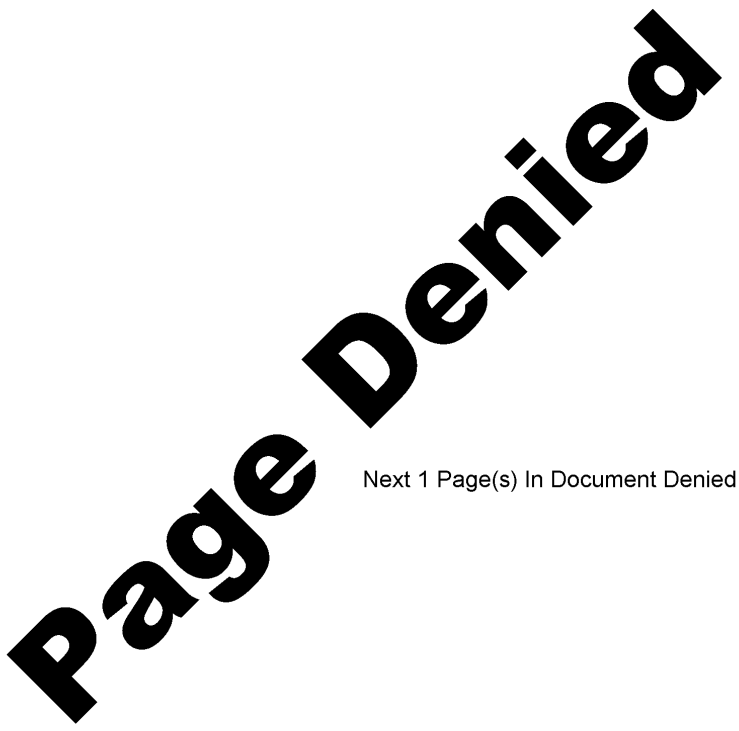

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33. **Romny IR/MRBM Division Headquarters Radcom Transmitter Station.** Unidentified construction was underway at this transmitter facility. Initial construction and some tree clearing had begun by a small building was under construction next to the control building. Two large areas had been cleared of trees, and at least one quadrant antenna had been dismantled. More antennas may have been dismantled, but imagery interpretability prevented any further analysis. This construction is probably related to the C3 upgrading activities at Romny IR/MRBM Division Headquarters CP/Bunker and Romny IR/MRBM Division Headquarters Radcom Receiver/Bunker. (S/WN)

SS-20 Field-Training Exercises

34. SS-20 FTXs observed in the eastern USSR were as follows:

Location	Date	Remarks
Drovyanaya Complex		
FTA 024		3 live firings from the field (S/WN)

35. SS-20 FTXs observed in the central USSR were as follows:

Novosibirsk Complex		
FTA/R 001		Two C3 associated units
Yurya Complex		
FTA 012		A camouflaged probable SS-20 launch bn observed at a new FTA. (S/WN)

Missile Support Rear Depots

36. **Balta MSRD.** Shipments of prefabricated SBG components continued to arrive at this facility. Between the number of SBG components increased from 15 to 22. (S/WN)

37. **Glazov MSRD.** The number of SBG components in storage at this facility did not change. Between components for 17 SBGs were observed. (S/WN)

Missile Test Centers

Kapustin Yar MSTC SSM

38. DEFSMAC reported the launch of an SS-20 IRBM from Kapustin Yar on (DEFSMAC S/DQ/1063/83 [S]). It impacted at Sary-Shagan after a 15-minute flight. The site of this SS-20 launch could not be determined from imagery. (S/WN)

SS-20 Field Training

39. **Kapustin Yar MR/IRBM Bivouac/Troop Training Area** (On a probable SS-20 launch unit, consisting of two camouflaged probable SS-20 TELs with canisters and eight camouflaged probable SS-20-associated vehicles, was at the western side of the battalion training area, just outside the security fences. (S/WN) 25X1

40. SS-20-associated vehicles were in the driver-training area on and On at least eight SS-20-associated vehicles (four of which were moving) were observed in the driver-training area. On three SS-20 TEL chassis, two SS-20 TELs with training canisters, and two SS-20 TELs with missile canisters were in the same area. On three SS-20 TELs with training canisters and a truck were in the driver-training area. In addition, at least 11 probable training placards were arranged in a line near one of the SS-20 TELs (Figure 13). (S/WN) 25X1 25X1 25X1 25X1 25X1 25X1

41. **Kapustin Yar Mobile IRBM CTA 5 (BE** On an SS-20 FTX was observed in this area; this activity was not observed on Two camouflaged SS-20 launch units and a camouflaged C3 unit participated in the exercise. One launch unit contained two TELs and seven SS-20-associated vehicles. The second launch unit consisted of two TELs and eight SS-20-associated vehicles (Figure 14). The C3 unit consisted of five probable SS-20-associated vehicles. No imagery of this area or the bivouac/troop-training area was acquired during the remainder of the reporting period. (S/WN) 25X1 25X1 25X1 25X1 25X1 25X1

Activity in Support of SS-20 Flight Testing/Crew Training

42. **Kapustin Yar MR Test Complex C Site 1** Two probable 24-meter railcars were on pad 1C-2 on A crane was adjacent to the extended loading tray of one of the railcars, and several canvas-/net-covered expended SS-20 missile canisters were nearby. By two of the expended SS-20 missile canisters had been removed from pad 1C-2. Construction of a uniquely patterned road and its associated structures continued slowly at the northeast edge of the launch site. The reason for this new construction has not yet been determined; however, the past association of the site with the SS-20 mobile IRBM system suggests that this activity could be in support of a variant of, or a follow-on to, the SS-20 mobile missile system. (S/WN) 25X1 25X1 25X1 25X1 25X1 25X1 25X1 25X1

Activity in Support of New and Unidentified Missile Systems

43. **Kapustin Yar MR Test Complex C Site 2** Construction of the two previously reported buildings, south and southwest of launch pad 2C-2, did not progress during the reporting period. Construction of these buildings began between When last observed, on only footings were present for the southern building, and most of the wall stanchions of the other building were erect, as noted in previous reports. The reason for the continued hiatus in construction and the purpose of these buildings are not known. 25X1 25X1 25X1 25X1 25X1

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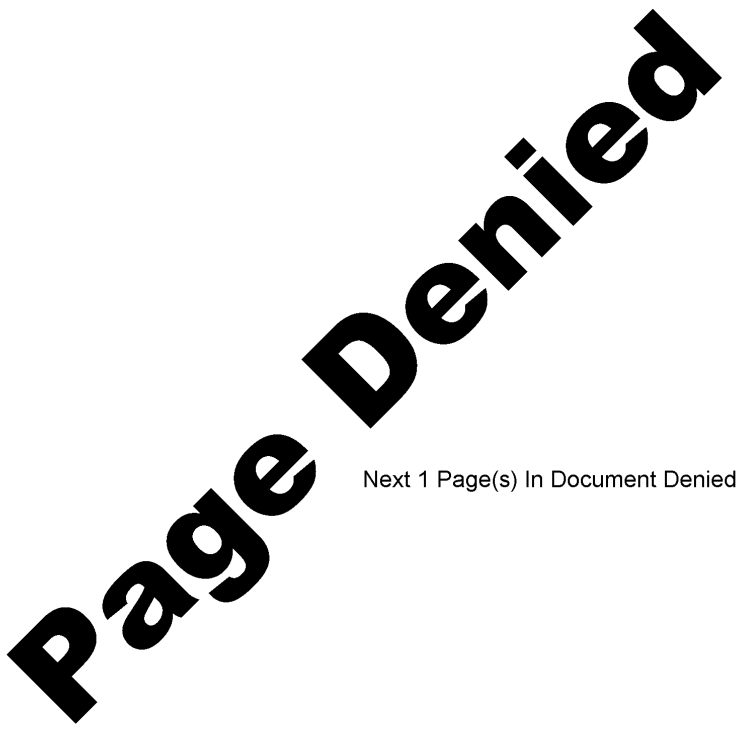

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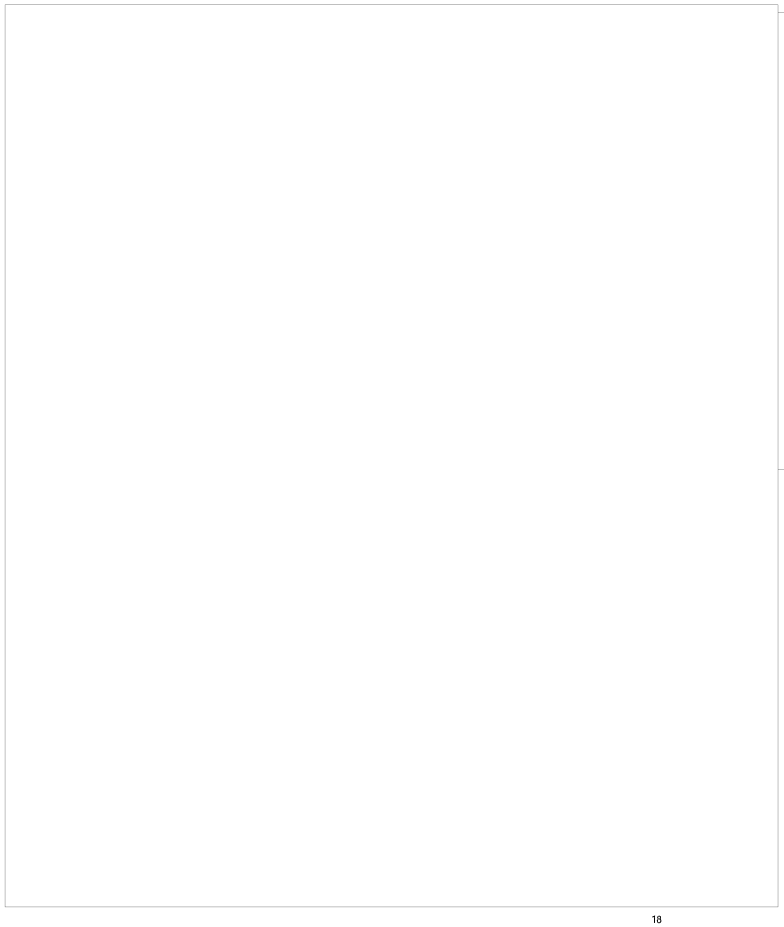

44. **Kapustin Yar MR Test Complex C Site 8** [redacted]. No activity was observed at this site. The rail-mounted shed has remained over the probable launch point at LP 8C-1. LP 8C-1, LP 8C-2, and the supporting structures appear to be externally complete. This indicates that the site may be capable of supporting a flight test program, possibly for a new strategic mobile missile system. (S/WN)

45. **Kapustin Yar MR Test Complex C Site 4C1** [redacted] **and the new missile-associated area.** Construction continued on the new missile-associated area east of Site 4C1 (Figure 15). This area has been under construction since [redacted] and includes a new access road, six structures/buildings, a possible apron, and security fences in the early stages of construction. The access road, which has not been paved, is approximately 1,300 meters long and extends east/west to Site 4C1. A structure/building is under construction in an excavation at the terminus of the access road. This structure/building is approximately 9 by 6 meters and consists of four compartments. Two of the compartments are approximately 6 by 3 meters, and the other two compartments are approximately 3 by 3 meters. Grading for a possible apron with two small rectangular excavations is underway to the north of this structure/building, and several possible conduit sections are scattered around the site. The five remaining structures/buildings vary in size and are in the early to midstage of construction. All of the structures/buildings are connected by the cable trenches which parallel the access road. Site 4C1 has been cable connected to Kapustin Yar MR Test Complex C Site 8 and the new missile-associated area. The cables that extend between these areas suggest that Site 4C1 may be providing C3-related support. This new cable also extends from the area of Site 4C1 to the Kapustin Yar Complex Support Facility Administration [redacted] and, for at least part of the distance, shares the trench that extends from Site 2C. The function and final configuration of the new missile-associated area has not been determined because of the early stage of construction. (S/WN)

Support Areas

46. **Kapustin Yar RISA** [redacted] An SS-20-associated vehicle/missile transshipment consisting of at least one battalion-sized SS-20 unit was observed on [redacted] At least 20 SS-20-associated vehicles were in the missile/GSE assembly/checkout area, and 41 railcars were at the facility. It could not be determined whether the SS-20-associated vehicles were arriving or departing. In addition, eight camouflaged SS-20-associated vehicles were in the GSE storage/support area. (S/WN)

47. **Kapustin Yar General Support Area (BE** [redacted] During the reporting period, at least ten camouflaged SS-20-associated vehicles were in the support area; no significant vehicle movement was observed. (S/WN)

48. Construction of the high two-bay building was nearly complete. Since [redacted] two security fences have been installed around the

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new probable missile receiving/checkout building and the unidentified multistory building. A nine-bay building (63 by 24 meters) was under construction east of the GSE maintenance area. This building will apparently contain six vehicle bays (each 24 by 6 meters) and three wider bays (each 24 by 9 meters). (S/WN)

49. **Kapustin Yar Radcom Transmitter Station**. In March 1983, the dismantlement of the antenna field began. By eight new double rhombic antennas were under construction—two near the access road, two near the support area, two straddling the facility fence line, and two outside the facility fence line. (S/WN)

Plesetsk MSTC SSM

50. All 42 LRPs at the four mobile ICBM bases were observed at least once (Chart 1). Canvas-covered probable AADs were occasionally detected in some of the LRPs. Imagery of all four MOBs was acquired after snow had fallen during the later portion of the reporting period, and the observed. However, image quality, weather conditions, and a paucity of coverage precluded the identification of an installation pattern of probable AADs. In general, all four mobile ICBM bases continued to be occupied, as evidenced by the and the occasional observation of personnel, tracks, and facility maintenance. (TSR)

51. **MOB 1** At MOB 1 on snow did not appear to have been removed from any of the LRPs, but several of the LRPs were visible through a light dusting of snow. In addition, snow clearing was observed in front of one of the 18-meter-deep 11-bay garages in the TEL garrison area, and various roads, aprons, and walkways were cleared of snow in the support areas. However, when this base was observed on rectangular areas large enough to accommodate a TEL were cleared of snow at three LRPs. Additionally, snow clearing was observed at several of the garages in the TEL garrison area, and most of the roads and walkways in the support areas also had been cleared. (TSR)

52. **MOB 2** At MOB 2 on almost all the snow had melted from the roads in the TEL garrison and support areas. Imagery of MOB 2 was next acquired on Although the area was partially obscured by scattered clouds and haze, imagery enhancement revealed that additional snow had fallen since and that snow clearing activity was in progress in both the TEL garrison and support areas. Several LRPs, some probably with AADs, were discernible through the haze. (TSR)

53. **LTS 5** At LTS 5 on the TEL garrison area was observed through heavy haze. Snow had fallen, and tracks were evident throughout the area, but no snow-clearing activity was identified. However, when this base was imaged on priority snow removal was observed (Figure 16). Snow removal was observed at all 12 LRPs, and rectangular areas large enough to accommodate a TEL had been cleared of snow at two pairs of LRPs. (TSR)

54. **LTS 6** At LTS 6 on the site was observed through scattered clouds and haze; the snow had been cleared from at least two LRPs. In addition, the aprons/roads in front of two of the 18-meter-deep 11-bay garages were cleared of snow, and snow clearing was in progress in front of the third 11-bay garage. (TSR)

SS-X-25 Activity

55. An SS-X-25 was launched from Plesetsk on (DEFSMAC S/DQ/955-83 [S]). This was the fourth successful flight of the five tests to date of the SS-X-25. Although this missile was probably launched from LTS 23 it was not possible to determine from imagery if the launch occurred from the silo, the silo apron, or the reconstructed SBG. Similar difficulty was encountered in determining the launch point and launch mode for the SS-X-25 tested on The first three launches of the SS-X-25 from Plesetsk were from the silo at LTS 23. The following is a summary of SS-X-25 launches.

56. No imagery was acquired of LTS 23 during the week before the launch. However, imagery was acquired on No direct evidence of the launch—a burn mark or blast effects—was identified. The silo door was closed, two support vehicles (a MAZ-543 cargo truck and a TMC) were on the silo apron, and some tracks were observed between the south end of the SBG and the silo turnaround apron. The can/cap silo loader and transporter, which at Plesetsk are only associated with silo-launched SS-X-25s, were at LTS 14 (an SS-X-24 ICBM LTS) on and appeared to be in the same positions that they occupied on The reason that this equipment was at LTS 14 has not been determined. (S/WN)

57. No other silo-related or mobile missile-related activities were identified at either LTS 23 or LTS 24 between and the end of the reporting period. (S/WN)

Plesetsk MHF

58. **Modified SS-16/SS-X-25 RIC Area.** Modifications/construction in the modified SS-16/SS-X-25 RIC area to support the SS-X-25 increased

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during the reporting period (Figure 17). By two of the three new buildings at the south end of the RIC area were externally complete, and footings for the third new building were installed. Another new building was under construction west of the rail-in shed between the modified RIC and interim missile storage buildings, and footings for a large lattice probable telemetry/microwave tower were identified between the reinforced parking apron and the telemetry/support building. Hard-surfaced roofing material was being installed on the 48-meter-long framework structure on the reinforced parking apron, and an approximately 17- by 10-meter shed had been constructed between the four-bay garage and the two-bay shed. The southernmost of the three new buildings appears to be a single-bay drive-through building. The second new building, just to the north of the single-bay building, is similar to the four-bay garage constructed in the TEL garrison area of some SS-20 bases. Two approximately 24-meter-high lattice towers were erected near the four-bay garage, one on the south side and one on the west side. The footings for the new building west of the rail-in shed are 45 meters long and 8 meters wide; however, additional excavating in this area indicates that the building will be wider than 8 meters. The excavation and footings for a large lattice tower were similar to those for the 60-meter-high telemetry/microwave towers erected next to the SS-X-24 missile receiving and checkout building and at Plesetsk ICBM LTS 22 , which is an SS-X-24 ICBM LTS. Also, hard-surfaced roofing material was being installed on the 48-meter-long framework structure erected on the reinforced parking apron. The installation of roofing material on this structure, in conjunction with the construction of a board fence along the perimeter of the apron, will probably preclude the identification of any vehicles parked on the apron. In addition, an approximately 17- by 10-meter peak-roofed shed was constructed between the four-bay garage and the two-bay shed. This low, peak-roofed shed is similar to the sheds constructed in the expended canister storage area and near the modified interim missile storage building and used to conceal SS-X-15 and probably some SS-16 missile canisters. Although this new shed is probably not long enough to conceal an entire SS-X-25 missile canister, the placement of SS-X-25 missile canisters under this shed will delay, and could possibly prevent, the identification of SS-X-25 missile canister signatures. (TSR)

59. Continuing analysis has revealed that two rectangular crates, about were at the south end of the RIC building on The identification of these crates at this facility at this time suggests that they are associated with the SS-X-25 payload. Previously at Plesetsk, this type of crate was unique to the SS-16. Also on a rail dolly was partially concealed by the south end of the rail shed between the RIC building and the modified interim missile storage building. Although only approximately 19 meters of this dolly were visible, it is similar to the approximately dolly, with two arm-like appendages at either end, that was initially observed in this area in September 1982. However on the arm-like appendages appeared to be in a stowed position. This dolly was also in the area on however, weather conditions precluded any further analysis. This rail dolly does not appear to be similar to any of the rail dollies associated with the flight test program of the SS-16. (TSR)

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Other Possible Mobile Missile-Associated Activity

60. **Plesetsk ICBM Launch Test Site 21 (BE** At LTS 21, no activity to indicate that this site will participate in the SS-X-25 flight test program was identified during the reporting period. The status of this site has not changed since mid-1982. (S/WN)

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Rail-Mobile SS-X-24-Associated Activity

61. The construction of rail-served missile facilities at Plesetsk strongly suggests that the Soviets will flight test a rail-mobile variant of the SS-X-24. At least three rail-served facilities/areas are under construction; two of these will probably be rail-mobile launch test sites; the third is a MRACA that will provide system checkout and integration support for a rail-mobile ICBM flight test program. (S/WN)

62. At the rail-served probable ICBM launch test facility adjacent to LTS 28 external construction of the major structures and connection with the east/west rail extension was complete by (Figure 18). At least five instrumentation buildings were constructed for this rail-served facility. Instrumentation buildings of this type have been installed for each of the SS-X-24 silos at LTS 22 and 28 and also for the modified type IIIE silos at LTS 23 and 24. The construction of at least five of these buildings for the rail-served facility suggests that there will be at least two primary, rail-mobile ICBM launch test positions. By the end of the reporting period, the following had occurred. Rail stops had been installed at the ends of the two spurs that extend past (on either side of) the buried launch control building and also just within the eastern end of the 102-meter-long rail-in shed (formerly the 102-meter-long rail-served structure). A lattice tower similar to the one behind the buried control building between silos 28A and 28B had been centered on the north side of the buried launch control building. Cable trenches that connect the buried launch control building, the 102-meter-long rail-in shed, and the five instrumentation buildings to the buried launch control building between the silos at LTS 28 and the buried launch support building (near the end of the silo 28A apron) had been excavated. The new support building in this area had also been externally completed. The completion during 1983 of the major structures at and rail service to this rail-served probable ICBM launch test facility suggests that the flight test program of a rail-mobile variant of the SS-X-24 could begin during 1984. (S/WN)

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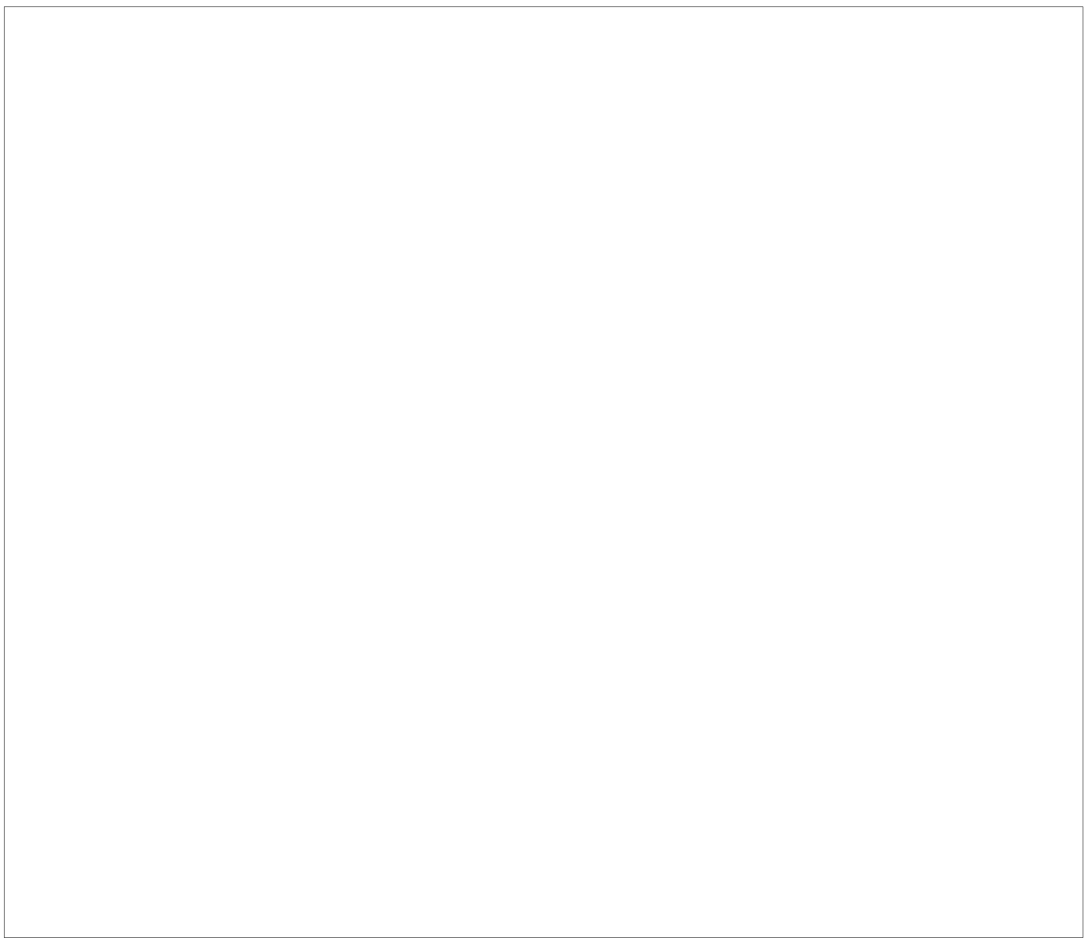

63. **Missile-Associated Construction Area (BE** Major rail-associated construction was completed during the reporting period, and coring of the probable type IIIX launch control silo shaft continued. The rail-served section of the area consists of an at least 440-meter-long arc-shaped rail spur with a 102-meter-long rail-in shed over the southern end of the rail spur (Figure 19). The 102-meter-long rail-in shed is identical to the one constructed in the rail-served probable ICBM launch test facility adjacent to LTS 28. This suggests that this rail-served area may also be a launch test site for a rail-mobile variant of the SS-X-24. An electrical power-associated building has been constructed on the west side of the 102-meter-long rail-in shed. Similar electrical power-associated buildings were constructed at LTS 28. (S/WN)

64. **Probable Rail-Mobile MRACA (formerly the New Probable MRACA).** Construction of this new MRACA continued. On a 300-meter-long rail-through shed was identified under construction at the southwest end of the facility (Figure 20). On that date, all the footings and some wall stanchions were installed on the west side of the rail spur, and some footings were installed on the east side of the spur. Also on at least four probably nonconstruction-related railcars were in the facility. At least three railcars were at the completed rail-through shed (Figure 20). One probable security railcar, about 19 meters long, that resembled a boxcar with two snow-covered possible roof vents was in the open. The other two railcars had chamfered roofs and were partially concealed by the shed. Snow had melted from around the possible vents on one of the two chamfer-roofed railcars, and no vents were discernible on the other. The lengths of these two railcars could not be determined. A fourth railcar, approximately 24 meters long overall, with an approximately 20-meter-long chamfer-roofed "cargo" section, was on the spur west of the probable missile receiving and checkout building (Figure 20). This railcar also appeared to have vents along one side of the roof. By the end of the reporting period, concrete block aprons had been installed at both ends of the probable missile receiving and checkout building. The roof was complete, and rear blast walls were being installed on the last two bays of the probable interim missile storage building. The 104-meter-long high-bay building was nearly externally complete, and a swath had been cut through the trees from the north end of the high-bay building toward the southeast to a survey monument on an earthen mound. This suggests that this building will be involved in the calibration/checkout of a missile guidance platform. Therefore, the 104-meter-long high-bay building will be reported as a probable calibration/checkout building. If construction continues at the pace observed during the reporting period, this facility could be completed during 1984. (S/WN)

65. **East Support Facility** Construction in the new RTP area continued at a moderate pace, and no new structures were identified. Rail sections and rail line components

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remained in the RTP area at the end of the reporting period. Five rail spurs are in various stages of construction in this new area, and footings have been installed for a 102-meter-long rail-through shed. No new rail sections were installed in the spur that extends toward the main east/west complex road. It cannot be determined if this spur will be a rail-turning wye or become part of another rail-served facility. The rail-through shed will probably be identical to the one constructed at the Plesetsk ICBM Sites 9/10 Support Facility (By the end of the reporting period, 48 meters of the rail-through shed were complete. This rail-through shed and the one at the Plesetsk ICBM Sites 9/10 Support Facility could be used to conceal rail-mobile ICBM-associated railcars in transit between the MHF and the eastern end of the rangehead. (S/WN)

66. **Rail Line Construction at Plesetsk.** Construction of the approximately 30-nm-long eastern extension of the main complex rail line from Plesetsk ICBM Sites 9/10 Support Facility to LTS 28 had been completed by (Figure 21). The installation of additional sections of track and a probable rail switch and grading past the spur to the rail-served probable ICBM launch test facility adjacent to LTS 28 indicate that the rail line will extend past LTS 28. In addition, grading for a probable transloading dock and a small building were observed in the rail line right of way to the west of LTS 28. The graded outline of the transloading dock appeared to be identical to that of the transloading dock constructed in the RTP area of the ESF. If the configuration of this possible RTP area is similar to the one at the ESF, the possible RTP may not be large enough to transload SS-X-24 missile canisters. (S/WN)

Silo Materials Receiving Area

67. SBG components were delivered to the SMRA between . It could not be determined whether these were the components used for the original SBG at LTS 23. Image quality precluded the determination of the exact numbers and types of components, but enough components appeared to be present to construct an SBG. Some of these components had been removed from the SMRA by and all of the SBG components had been removed by The present location of these components has not been determined. In addition, one set of modified type IIIX (launch control silo) headworks components, one set of type IIIX headworks base components, and one modified type IIIX silo door remained in open storage. These type IIIX silo components may eventually be used in the probable launch control silo under construction in the missile-associated construction area. (S/WN)

Other

68. At the rail-turning wye approximately 1 nm south-southeast of the MHF, no additional grading/leveling activity was identified. The function of this area has not been determined. (S/WN)

Missile-Related R&D and Production Facilities

Bryansk Guided Missile Support Equipment Plant II

69. Single-bay garage components continued to be fabricated at and shipped from Bryansk during the reporting period. While production rates appeared to have remained unchanged, coverage was insufficient to verify if any changes had occurred. (S/WN)

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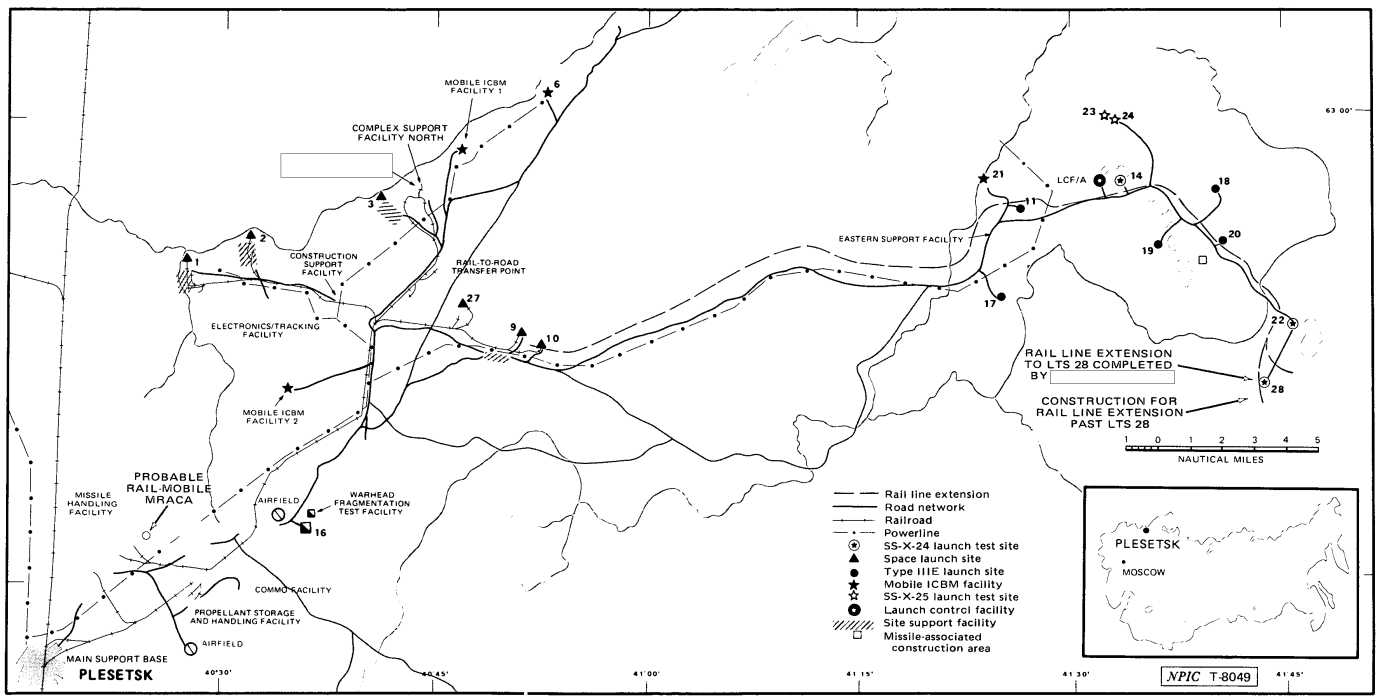

FIGURE 21. LOCATION OF THE EASTERN EXTENSION OF THE MAIN COMPLEX RAIL LINE AT PLESETSK

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Construction of Potentially Strategic Significance

Irkutsk

79. Three construction areas of potentially strategic significance were identified in the Irkutsk area on imagery of The exact nature of this construction could not be determined because it was in an early stage. However, two of the sites contained similar road patterns, clearings, building footings, fences, and temporary construction support areas. The size and general layout of these two sites are similar to those of some of the mobile missile operations areas at Barnaul and Kansk. The third site contained numerous support-type buildings in various stages of construction and could be a mobile missile-associated support complex. Subsequent coverage, on showed that construction was progressing at a very slow place. (S/WN)

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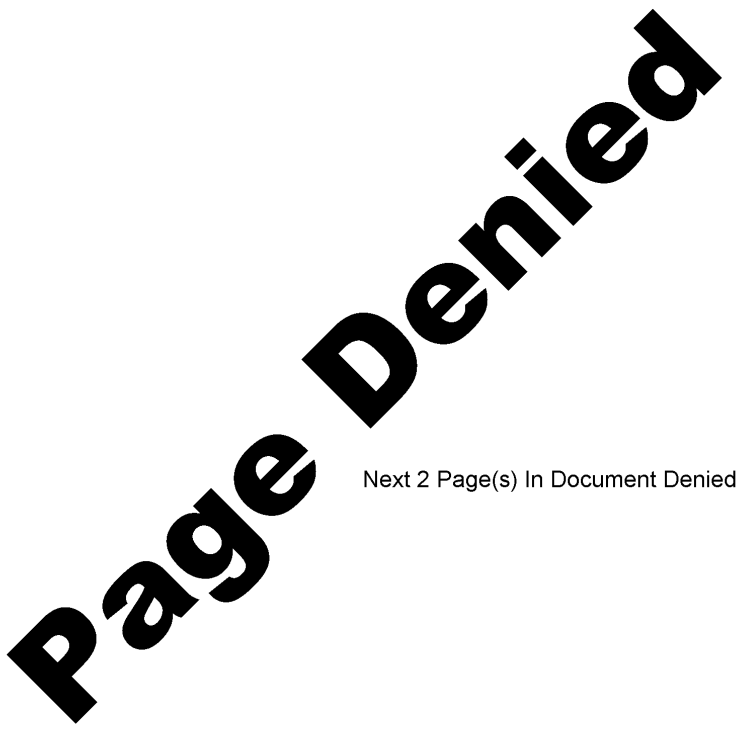

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80. **Irkutsk Construction Site 1 (BE [redacted])** This site is approximately 25 nm north of Irkutsk and consists of a large rectangular area cut into a heavily wooded area. A foundation for an eight-bay garage (48 by 18 meters) and clearings for several probable building foundations are within this rectangle. Two additional building foundations are outside the rectanglular area (Figure 22). A single line for a security fence is well outside this area. The construction support camp has been at least partially abandoned and may have been relocated. (S/WN)

81. **Irkutsk Construction Site 2 (BE [redacted])** This site is approximately 15 nm north of Irkutsk and consists of a large rectangular area (407 by 278 meters). Footings for three eight-bay garages (48 by 18 meters) are within this area. Footings for a probable security building are at the entrance to the area. Footings for three additional buildings, including a nine-bay garage ([redacted] meters), are between the rectangular area and the construction support camp. A large excavation for a probable fourth building is also in the same area (Figure 23). The construction support camp consists of 17 large personnel tents, three complete buildings, and six buildings under construction. (S/WN)

82. **Irkutsk Construction Site 3 (BE [redacted])** This site is approximately 5 nm northeast of Irkutsk and contains three separate areas that contain several large buildings under construction. A large construction support camp comprising approximately 20 barracks-type buildings, 13 large personnel tents, several trailers, and assorted smaller buildings and sheds is also present. An additional construction area is east of the construction support camp. This area is being cleared and graded; no building foundations are present (Figure 24). (S/WN) 25X1

New Mobile Missile Base Under Construction at Yoshkar-Ola

83. **Yoshkar-Ola Mobile Missile Base 1 (BE [redacted])** The construction activity first observed at this facility on [redacted] has been confirmed as mobile missile related. On imagery of [redacted] foundations for two 48- by 18-meter eight-bay garages and clearings for seven SBGs were in the launch area of this former SS-7 ICBM launch site (Yoshkar-Ola SSM Launch Position 1, [redacted] Figure 25). SBG foundations were under construction in three of the seven clearings. These foundations were approximately 30 meters long, indicating that they are for type C SBGs. The only known type C SBG is at Plesetsk ICBM Launch Test Site 23 [redacted], where the SS-X-25 solid-propellant ICBM is being flight tested. Four other areas within the launch area have been cleared of trees, and clearing for additional security fences continues on the southeast edge of the launch area. By [redacted] two additional areas for SBGs had been cleared in the former launch area, bringing the total number to nine. This is the same number of SBGs found at a centralized SS-20 base. (S/WN) 25X1 25X1 25X1 25X1 25X1 25X1 25X1 25X1 25X1

84. The Yoshkar-Ola SSM Complex ([redacted] contains 60 type IIIE launch silos for the solid-propellant SS-13 ICBM and six deactivated SS-7 ICBM launch sites. It is approximately 350 nm southeast of Moscow and 300 nm west of the Ural Mountains. (S/WN) 25X1 25X1

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Table 1.
Summary of SS-20 Construction at Deployed Complexes

25X1

	SSM Installation Name	First Identified	Date Assessed to be Operational	Date Last Imaged	OPERATIONS AREA: SBG Comp	SBG Ucon	3-Bay Garage Comp	3-Bay Garage Ucon	4-Bay Garage Comp	4-Bay Garage Ucon	5-Bay Garage Comp	5-Bay Garage Ucon	11-Bay Garage Comp	11-Bay Garage Ucon	GENERAL SUPPORT AREA: 11-Bay Garage (66 x 18m) Number	11-Bay Garage (66 x 18m) Construction Comp	Tech Support Bldg Number	Tech Support Bldg Construction Comp	High 2-Bay Bldg Number	High 2-Bay Bldg Construction Comp	Clerestory Number	Clerestory Construction Comp	Status of Construction at RTP	Remarks/Comments
EASTERN USSR	**Chita SRF Army**																							
	Dovgyanaya Mobile IRBM Base 1	Jul 76	Sep 77		9	–	3	–	–	–	–	–	1	–	1	Yes	0*	–	0*	–	0*	–	A clerestory bldg externally complete in the	TWIN EAR in travel mode in operations area; three TELs with training canisters in vehicle storage area; five canvas-covered mockups in support area
	Dovgyanaya Mobile IRBM Base 2	Jan 77	Jun 78		9	–	3	–	–	–	–	–	0	–	2	Yes	0*	–	0*	–	0*	–		Three stationary SS-20 mockups near the support area
	Dovgyanaya Mobile IRBM Base 3	Nov 77	Dec 78		9	–	3	–	–	–	–	–	0	–	2	Yes	0*	–	0*	–	0*	–		Six stationary SS-20 mockups 0.5 nm south of MOB
	Dovgyanaya Mobile IRBM Base 4	Nov 78	Nov 81		9	–	–	–	3	–	–	–	0	–	2	Yes	0*	–	0*	–	0*	–		Two probable retractable antenna masts on a four-bay garage
	Dovgyanaya Mobile IRBM Base 5	Apr 79	Mar 80		9	–	3	–	–	–	–	–	0	–	2	Yes	0*	–	0*	–	0*	–		STICK P/N (KY-EL-06) on lattice tower near C3 bldg
	Dovgyanaya Remote Site 1	Aug 79	–		3	–	–	–	–	–	–	–	0	–	0	–	0	–	0	–	0	–		
	Omsk SRF Army																							
	Novosibirsk Mobile IRBM Base 1	Jan 77	Jun 78		9	–	–	–	3	–	–	–	0	–	2	Yes	0*	–	0*	–	0*	–	Complete	Large C-shaped bldg ucon in spt area
	Novosibirsk Mobile IRBM Base 2	Dec 77	Nov 78		9	–	–	–	3	–	–	–	0	–	2	Yes	0*	–	0*	–	0*	–		One bldg nearly complete in support area
	Novosibirsk Mobile IRBM Base 3	Jun 78	Nov 79		9	–	–	–	3	–	–	–	0	–	2	Yes	0*	–	0*	–	0*	–		
	Novosibirsk Mobile IRBM Base 4	Dec 79	Dec 80		9	–	–	–	3	–	–	–	0	–	1	Yes	0*	–	0*	–	0*	–		
	Novosibirsk Mobile IRBM Base 5	Oct 80	Aug 81		9	–	–	–	3	–	–	–	0	–	2	Yes	0*	–	0*	–	0*	–		
	Novosibirsk Mobile IRBM Base 6	Dec 81	Dec 82		9	–	–	–	–	–	3	–	0	–	2**	Yes	0*	–	0*	–	0*	–		One rectangular, flat-roofed, single-story bldg ucon in the old warhead storage area
CENTRAL USSR	**Orenburg SRF Army**														-									
	Verkhnyaya Salda Mobile IRBM Base 1	Feb 78	Jan 79		9	–	3	–	–	–	–	–	0	–	2	Yes	0*	–	0*	–	0*	–	Complete; SBG in Receiving/storage area	15 to 20 housetrailers, arranged in a square pattern, near athletic field; new admin housing bldg externally complete; tower with dish antenna nearby
	Verkhnyaya Salda Mobile IRBM Base 2	Jan 79	Nov 79		9	–	3	–	–	–	–	–	0	–	2	Yes	0*	–	0*	–	0*	–		Two stationary SS-20 mockups ucon near the dismantled SS-7 launch area; this is the same area where five stationary SS-20 mockups had been dismatled by July
	Verkhnyaya Salda Mobile IRBM Base 3	Nov 79	Dec 80		9	–	3	–	–	–	–	–	0	–	1	Yes	0*	–	0*	–	0*	–		At least three stationary SS-20 mockups in a wooded area near two former SS-7 MRBs in the ops area
	Verkhnyaya Salda Mobile IRBM Base 4	Mar 80	Dec 80		9	–	3	–	–	–	–	–	0	–	0	–	0*	–	0*	–	0*	–		At least five stationary SS-20 mockups at south edge of ops area
	Verkhnyaya Salda Mobile IRBM Base 5	Apr 81	Nov 81		9	–	3	–	–	–	–	–	0	–	1	Yes	0*	–	0*	–	0*	–		At least six stationary SS-20 mockups in support area near steamplant; materials for personnel bunker, ucon in support area; still in vehicle maint/stor area
	Unknown SRF Army* **																							
	Barnaul Mobile IRBM Base 1	May 82	Feb 83		9	–	–	–	–	–	3	–	0	–	1	Yes			Barnaul SS-20 Spt Cplx				RTP ucon Barnaul SS-20 Spt Cplx	Three bldgs ucon in support area; at least three stationary SS-20 mockups ucon near security fence of easternmost battalion area
	Barnaul Mobile IRBM Base 2	Mar 83	–		9	0	–	–	–	–	–	3	0	–	1	No	0	–	0	–	0	–		Seven bldgs, including a steamplant, in late stage const in support area
	Barnaul Mobile IRBM Base 3	Jul 83	–		–	9	–	–	–	–	3	0	0	–	1	No	0	–	0	–	0	–		At least eight bldgs, including a steamplant, ucon in support area
	Barnaul Mobile IRBM Base 4	Oct 83	–			0	–	–	–	–	–	3	0	–	2	No	0	–	0	–	0	–		No visible security fence around ops area; footings for two 11-bay and one prob 11-bay garage in GSA
	Kansk Mobile IRBM Base 1	Sep 82	–		9	0	–	–	–	–	–	3	0	–	2	No			Kansk SS-20 Spt Cplx				RTP ucon Kansk SS-20 Spt Cplx	Approximately ten bldgs, including a steamplant; ucon in support area; cylindrical tanks being buried in rectangular excavations in ops area; one of the nine original SBGs has been abandoned, and a new SBG has been built to replace the abandoned SBG
	Kansk Mobile IRBM Base 2	Mar 83	–		–	9	–	–	–	–	–	3	0	–	1**	No	0	–	0	–	0	–		No visible security fence around the ops area; ground scraping for the five additional SBGs in ops area; seven bldgs, including a steamplant, in early stage of const in support area

Red indicates changes since the cutoff date of the updated report.

*The former SS-7 ICBM complexes in the central and eastern USSR currently contain NPHFs under construction or complete at their RTPs, each consists of one high two-bay technical support building and a clerestory building.

**Ten-bay garage

***Subordination cannot be determined at this time.

This table in its entirety is classified TOP SECRET RUFF

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Table 1. (Cont'd)
Summary of SS-20 Construction at Deployed Complexes

	SS#/ Installation Name	First Identified	Date Assessed to be Operational	Date Last Imaged	OPERATIONS AREA: SBG Comp	SBG Ucon	3-Bay Garage Comp	3-Bay Garage Ucon	4-Bay Garage Comp	4-Bay Garage Ucon	5-Bay Garage Comp	5-Bay Garage Ucon	11-Bay Garage Comp	11-Bay Garage Ucon	GENERAL SUPPORT AREA: 11-Bay Garage (66 x 18m) Number	11-Bay Garage (66 x 18m) Construction Comp	Tech Support Bldg Number	Tech Support Bldg Construction Comp	High 2-Bay Bldg Number	High 2-Bay Bldg Construction Comp	Clerestory Number	Clerestory Construction Comp	Status of Construction at RTP	Remarks/Comments
CENTRAL USSR	**Vladimir SRF Army**																							
	Yurya Mobile IRBM Base 1	Apr 78	Jan 79		9	–	3	–	–	–	–	–	0	–	1	Yes	0*	–	0*	–	0*	–	Complete	Five stationary SS-20 mockups in support area
	Yurya Mobile IRBM Base 2	Jan 79	Jan 80		9	–	3	–	–	–	–	–	0	–	1	Yes	0*	–	0*	–	0*	–		Five stationary SS-20 mockups near athletic field in support area
	Yurya Mobile IRBM Base 3	Dec 79	Dec 80		9	–	3	–	–	–	–	–	0	–	1	Yes	0*	–	0*	–	0*	–		Eight stationary SS-20 mockups in clearing near C3 facility in support area
	Yurya Mobile IRBM Base 4	May 80	Mar 81		9	–	3	–	–	–	–	–	0	–	1	Yes	0*	–	0*	–	0*	–		
	Yurya Mobile IRBM Base 5	Apr 81	Dec 81		9	–	3	–	–	–	–	–	0	–	1	Yes	0*	–	0*	–	0*	–		
	Smolensk SRF Army																							
	Dyatlovo Mobile IRBM Base 1	Mar 81	Jan 82		9	–	–	–	3	–	–	–	0	–	1	Yes	Dyatlovo Payload Handling Facility (Complete)						RTP associated when SS-4	
	Lida Mobile IRBM Base 1	Jun 80	May 81		9	–	–	–	3	–	–	–	0	–	1	Yes	0	–	0	–	0	–	No RTP associated when SS-4 or now as SS-20 Base	Seven SS-20 mockups near the support area
	Polotsk Mobile IRBM Base 1	Oct 78	Jan 80		9	–	3	–	–	–	–	–	0	–	2	Yes	1	Yes	1	Yes	1	Yes	A new rail spur being installed at the RTP for a total of 4 rail spurs	TWIN EAR in C3 area
	Polotsk Mobile IRBM Base 2	Aug 79	Jan 81		9	–	3	–	–	–	–	–	0	–	1	Yes	0	–	0	–	0	–		
	Postavy Mobile IRBM Base	Oct 77	Jun 78		9	–	3	–	–	–	–	–	0	–	2	Yes	1	Yes	1	Yes	1	Yes	Expansion of RTP complete; helipart ucon	Auditorium externally complete; vehicle maint bldg in late stages of construction; support bldg in midstages of construction
	Slonim Mobile IRBM Base 1	Mar 81	Mar 82		9	–	–	–	3	–	–	–	0	–	1	Yes	0	–	0	–	0	–	Scratch-built RTP ucon	At least eight stationary SS-20 mockups in support area; auditorium in late stage of const; buried personnel bunker ucon near C-shaped bldg
	Smorgon Mobile IRBM Base 1	Apr 78	Jan 79		9	–	–	–	3	–	–	–	0	–	2	Yes	1	Yes	1	Yes	0	–	Expansion of RTP complete	Vehicle maint bldg in late stage of const in support area
	Smorgon Mobile IRBM Base 2	Aug 79	Jan 81		9	–	–	–	3	–	–	–	0	–	1	Yes	0	–	0	–	0	–		Personnel bunker in late stage of const in support area
WESTERN USSR	**Vinnitsa SRF Army**																							Six-bay garage externally complete; stationary MSV mockup in apt area
	Gnesk Mobile IRBM Base 1	Aug 80	May 81		9	–	–	–	3	–	–	–	0	–	1	Yes	1	No	1	No	1	No	No RTP associated when SS-4 or now as SS-20 base	Clerestory bldg in late stage of construction; high two-bay and technical support bldgs externally complete (connecting conduit is ucon)
	Kivertsy Mobile IRBM Base 2	Nov 81	Feb 83		9	–	–	–	3	–	–	–	1**	–	1	Yes	[redacted]						Scratch-built RTP complete	Admin bldg in midstage of construction; helipad in late stage of construction
	Korkovichi Mobile IRBM Base	Nov 75	Jun 78		9	–	3	–	–	–	–	–	1	–	2	Yes	1	Yes	1	Yes	1	Yes	Expansion of RTP complete	Auditorium externally complete
	Kozhanovichi Mobile IRBM Base	Jul 76	Jun 78		9	–	3	–	–	–	–	–	1	–	2	Yes	1	Yes	1	Yes	1	Yes	Former SS-4 RTP has not been expanded	One SS-20 TEL with canister mockup in a wooded area near the C-shaped bldg in the support area
	Krolevets Mobile IRBM Base	Dec 81	Aug 82		9	–	–	–	3	–	–	–	0	–	1	Yes	1	No	1	No	0	–	Expansion of RTP complete	Vehicle maint bldg in late stage of const in support area; const of [redacted] continuing
	Lebedin Mobile IRBM Base 1	Feb 81	May 82		9	–	–	–	3	–	–	–	0	–	1	Yes	Lebedin Payload Handling Facility (Complete)						Expansion of RTP complete	One support bldg ucon and a vehicle maint bldg externally complete in support area
	Lutsk Mobile IRBM Base 1	Jan 81	Jun 82		9	–	–	–	3	–	–	–	0	–	1	Yes	0	–	0	–	0	–	No RTP associated when SS-4 or now as SS-20 Base	Two bldgs in midstage of const in support area; new small-arms firing range ucon northeast of MOB
	Mozyr Mobile IRBM Base	Oct 76	Jun 78		9	–	3	–	–	–	–	–	0	–	3	Yes	1	Yes	1	Yes	1	Yes	Fuel storage tanks being emplaced and earth-covered at RTP	
	Rechitsa Mobile IRBM Support Base	Sep 78	Mar 80		–	–	–	–	–	–	–	–	0	–	2	Yes	1	Yes	1	Yes	1	Yes	Scratch-built RTP complete	
	Rechitsa Mobile IRBM Base 1A	Aug 79	Mar 80		3	–	–	–	–	–	–	–	0	–	0	–	0	–	0	–	0	–		
	Rechitsa Mobile IRBM Base 1B	Aug 79	Mar 80		3	–	–	–	–	–	–	–	0	–	0	–	0	–	0	–	0	–		
	Rechitsa Mobile IRBM Base 1C	Aug 79	Mar 80		3	–	–	–	–	–	–	–	0	–	0	–	0	–	0	–	0	–		

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Table 2. C3 Developments at Deployed SS-20-Associated Facilities as of 25X1

Facility	Large C-Shaped C3 Bldg	Small C-Shaped C3 Bldg	Rectangular Bldg Assoc w/small C-Shaped Bldg	Rectangular C3 Bldg	C3 Bunker	11-Bay Garage	Communications Satellite Station	C3-Associated Auditorium/Theater	Mobile TWIN EAR Unit Regularly Seen	Roof-Mounted Antenna Array on C3 Bldg	Lattice Towers	Horizontal Dipole Antennas	Fishbone Antennas	Rhombic Antennas	Quadrant Antennas	Hardened Antennas	Antenna Masts	Comments
	C3-Associated Structures and Mobile Antennas										Fixed Antenna Inventory							
EASTERN USSR																		
CHITA SRF ARMY																		
DROVYANAYA IC/IRBM DIV																		
CP/Bnk	—	—	—	—	1	—	1*	—	—	—	6	—	3	—	—	—	3	WOOD BINE satellite commo vehicle identified
CP/Alt/Bnk	—	—	—	—	1	—	—	—	•	—	2	1	4	—	—	—	2	Mobile TWIN EAR occasionally observed
Rad Rcvr	—	—	—	—	1	—	—	—	—	—	3	—	—	—	—	2	•	Two sets of mast-mounted TWIN EAR antennas
Rad Xmtr	—	—	—	—	1	—	—	—	—	—	—	4	—	8	—	—	—	
Drovyanaya IRBM Regts																		
Mobile Base 1 Hq	—	—	—	1	—	—	—	—	•	Yes	2	—	—	—	—	—	2*	Occasionally observed; two probable retract masts on three-bay garages
Mobile Base 2 Hq	—	—	—	1	—	—	—	—	•	Yes	2	—	—	—	—	—	1*	Occasionally observed; two probable retract masts on three-bay garages
Mobile Base 3 Hq	—	—	—	1	—	—	—	—	•	Yes	2	—	—	—	—	—	•	Occasionally observed; two probable retract masts on three-bay garages
Mobile Base 4 Hq	—	—	—	1	—	—	—	—	No	Yes	4	—	—	—	—	—	•	Two probale retract masts on three-bay garages
Mobile Base 5 Hq	—	—	—	1	—	—	—	—	•	Yes	2	—	—	—	—	—	—	Occasionally observed
OMSK SRF ARMY																		
NOVOSIBIRSK IRBM DIV																		
CP/Bnk	—	—	—	—	1	—	—	—	—	—	8	2	1	—	—	—	3	
Rad Rcvr	—	—	—	—	1	—	—	—	—	—	1	2	2	—	—	1	1	
Rad Xmtr	—	—	—	—	—	—	—	—	—	—	2	7	—	6	—	—	—	
Novosibirsk IRBM Regts																		
Mobile Base 1 Hq	•	—	—	1	—	—	—	—	No	Yes	2	—	—	—	—	—	—	Construction resumed on this bldg
Mobile Base 2 Hq	—	—	—	1	—	—	—	—	No	Yes	2	—	—	—	—	—	—	
Mobile Base 3 Hq	—	—	—	1	—	—	—	—	No	Yes	2	—	—	—	—	—	—	
Mobile Base 4 Hq	—	—	—	1	—	—	—	—	—	Yes	2*	—	—	—	—	—	—	STICK PIN antenna atop one lattice tower
Mobile Base 5 Hq	—	1	—	—	—	—	—	—	—	Yes	2*	—	—	—	—	—	—	Probable STICK PIN atop one lattice tower
Mobile Base 6 Hq (no BE No)	—	—	—	1	—	•	—	—	—	Yes	2	—	—	—	—	—	—	Contains a ten-bay garage
CENTRAL USSR																		
ORENBURG SRF ARMY																		
VERKHNYAYA SALDA IRBM DIV																		
CP/Bnk	—	—	—	—	1	—	ucon*	—	—	—	9	4	1	—	—	—	4	Type C satellite commo station ucon; WOOD BINE satellite commo vehicle identified
Rad Rcvr	—	—	—	—	1	—	—	—	—	—	3	2	2	—	2	2	3*	Two mast-mounted TWIN EAR antennas
Rad Xmtr	—	—	—	—	—	—	—	—	—	—	—	6	—	4	1	—	—	
Verkhnyaya Salda IRBM Regts																		
Mobile Base 1 Hq	—	—	—	1	—	—	—	—	•	Yes	2	—	—	—	—	—	—	Occasionally observed
Mobile Base 2 Hq	—	—	—	1	—	—	—	—	•	Yes	2	—	—	—	—	—	—	Occasionally observed
Mobile Base 3 Hq	—	—	—	1	—	—	—	—	No	Yes	2	—	—	—	—	—	—	
Mobile Base 4 Hq	—	1	—	—	—	—	—	—	No	Yes	4	—	—	—	—	—	—	
Mobile Base 5 Hq	—	1	—	—	—	—	—	—	—	Yes	2	—	—	—	—	—	—	
UNKNOWN SRF ARMY																		
BARNAUL IRBM DIV Hq (no BE No)	—	—	—	1	—	—	—	ucon	—	Yes*	2	—	—	—	—	—	—	WOOD BINE satellite commo vehicle identified; two roof-mounted antenna arrays
Barnaul IRBM Regts																		
Mobile Base 1 Hq	—	—	—	1	—	•	—	—	No	Yes	2	—	—	—	—	—	—	Contains a nine-bay garage
Mobile Base 2 Hq (no BE No)	—	—	—	ucon	—	•	—	—	No	Yes	2	—	—	—	—	—	—	Nine-bay garage complete; two lattice towers complete
Mobile Base 3 Hq (no BE No)	—	—	—	ucon	—	•	—	—	No	Yes	2	—	—	—	—	—	—	One nine-bay and one 11-bay garage complete; two lattice towers complete
Mobile Base 4 Hq (no BE No)	—	—	—	ucon	—	—	—	—	No	No	—	—	—	—	—	—	—	
KANSK IRBM DIV Hq (no BE No)	—	—	—	ucon*	—	—	—	—	—	—	—	—	—	—	—	—	—	Hq/admin bldg also ucon adj to C3 bldg
Kansk IRBM Regts																		
Mobile Base 1 Hq (no BE No)	—	—	—	ucon	—	•	—	—	No	Yes	2*	—	—	—	—	—	—	Ten-bay garage complete; probable STICK PIN atop one lattice tower
Mobile Base 2 Hq (no BE No)	—	—	—	•	—	ucon	—	—	No	—	—	—	—	—	—	—	—	
VLADIMIR SRF ARMY																		
YURYA IRBM DIV																		
CP/Bnk	—	—	—	—	1*	—	ucon*	—	—	—	9	3	1	—	—	—	2	Small personnel bunker ucon; type C satellite commo station ucon
Rad Rcvr	—	—	—	—	1	—	—	—	—	—	3	8	—	—	2	—	5*	Two masts with TWIN EAR antennas
Rad Xmtr	—	—	—	—	—	—	—	—	—	—	—	8	—	—	—	—	4	
Yurya IRBM Regts																		
Mobile Base 1 Hq	—	—	—	1	—	—	—	—	No	Yes	2	—	—	—	—	—	—	
Mobile Base 2 Hq	—	—	—	1	—	—	—	—	No	Yes	2	—	—	—	—	—	—	
Mobile Base 3 Hq	—	—	—	1	—	1	—	—	No	Yes	2	—	—	—	—	—	—	R-400/-404 unit identified
Mobile Base 4 Hq	—	1	—	—	—	—	—	—	No	Yes	2	—	—	—	—	—	—	
Mobile Base 5 Hq	—	1	—	—	—	1	—	—	No	Yes	2	—	—	—	—	—	—	
SMOLENSK SRF ARMY																		
LIDA IRBM DIV																		
CP/Bnk	—	—	—	—	•	—	—	—	—	—	2*	4*	1*	—	—	—	3	C3 bunkers undergoing unidentified modifications; antenna field being upgraded
Rad Rcvr	—	—	—	—	—	—	—	—	—	—	—	2	—	2*	—	—	2	Double rhombic antennas
Rad Xmtr	—	—	—	—	—	—	—	—	—	—	—	4	—	4*	3	—	1	Four double rhombic antennas ucon
Dyatlovo IRBM Regt																		
Mobile Base Hq (no BE No)	—	—	—	1	—	1	—	—	—	1	2*	2	—	—	—	—	—	One STICK PIN atop one lattice tower
Support Bunker*	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Formerly an MRBM Regt CP/Bnk (same BE No)
Rad Xmtr	—	—	—	—	—	—	—	—	—	—	—	4	—	—	2	—	1	
Lida IRBM Regt																		
Mobile Base Hq	—	—	—	1	—	—	—	—	—	1	2*	2	—	—	—	—	—	One STICK PIN atop 1 lattice tower; first identification of a mobile TWIN EAR
Slonim IRBM Regt																		
Mobile Base Hq	—	—	—	1	—	1	—	—	Yes	1	2	2	—	—	—	—	—	
Support Bunker	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Formerly an MRBM Regt CP/Bnk (same BE No)
Rad Xmtr	—	—	—	—	—	—	—	—	—	—	—	4	—	—	2	—	—	
POSTAVY IRBM DIV																		
CP/Bnk	—	—	—	1	—	—	1*	—	—	—	4	4	—	—	1	—	8	Dishes installed
Rad Rcvr*	—	—	—	1	—	—	—	—	—	—	5*	—	—	—	—	—	—	Five van trucks and trailers at bnk; three lattice towers have TWIN EAR antennas
Rad Xmtr	—	—	—	—	—	—	—	—	—	—	—	10	—	—	2	—	6	
Polotsk IRBM Regt																		
Mobile Base 1 Hq*	—	—	—	1	—	—	—	—	—	—	—	2	—	—	—	—	3	Formerly an MRBM Regt CP/Bnk (same BE No)
Mobile Base 2 Hq	—	1	—	—	—	1	—	1	—	1	—	2	—	—	—	—	1	
Rad Xmtr	—	—	—	—	—	—	—	—	—	—	—	6	—	—	—	—	1*	Mast supports FORK REST antennas
Postavy IRBM Regt																		
Mobile Base Hq*	1	—	—	—	1	—	—	1	—	—	—	2	—	—	—	—	2	Formerly an MRBM Regt CP/Bnk (same BE No)
Smorgon IRBM Regt																		
Mobile Base 1* Hq	—	—	—	1*	—	—	—	—	—	—	2	2	—	—	—	—	1	Formerly an MRBM Regt CP/Bnk (same BE No)
Mobile Base 2 Hq	—	1	—	—	—	1	—	—	—	1	2	2	—	—	—	—	1	
Rad Xmtr	—	—	—	—	—	—	—	—	—	—	—	8	—	—	1	—	1	
WESTERN USSR																		
VINNITSA SRF ARMY																		
LUTSK MR/IRBM DIV																		
CP/Bnk	—	—	—	—	3	—	—	—	No	—	—	4	—	—	—	—	4	
Rad Rcvr	—	—	—	—	1	—	—	—	No	—	—	2	—	2	2	2	3*	Two masts support FORK REST antennas
Rad Xmtr	—	—	—	—	—	—	—	—	No	—	—	5	—	4	2	—	3	
Kivertsy IRBM Regt																		
Mobile Base Hqs	—	—	—	1	—	•	—	—	No	Yes	2	2	—	—	—	—	—	Facility contains a ten-bay garage
Rad Sta*	—	—	—	—	1	—	—	—	No	—	—	1 or 2	—	—	—	—	1	Formerly an MRBM Regt CP/Bnk (same BE No)
Lutsk IRBM Regt																		
Mobile Base Hqs (no BE No)	—	—	—	1	—	1	—	—	No	Yes	2*	2	—	—	—	—	—	KY-EL-06 antenna atop both lattice towers
Rad Sta*	—	—	—	—	1	—	—	—	No	—	—	—	—	—	—	—	2	Formerly an MRBM Regt CP/Bnk (same BE No)
MOZYR IRBM DIV																		
CP/Bnk*	—	—	—	—	3	—	Type A	—	No	—	—	2	—	—	—	—	3	Probable computer building near bunkers; unid bldg ucon nearby
Rad Rcvr	—	—	—	—	1	—	—	—	No	—	—	4	—	—	2	2	3*	2 masts support FORK REST antennas
Rad Xmtr	—	—	—	—	—	—	—	—	No	—	—	7	—	—	2	—	4*	2 masts support FORK REST antennas; unid bldg ucon
Gresk IRBM Regt																		
Mobile Base Hq	—	1	—	—	—	1	—	—	—	—	—	2	—	—	—	—	1*	Log periodic atop mast
Radcom Sta*	—	—	—	—	—	—	—	—	—	—	—	1	—	—	—	—	1	Formerly an IRBM Regt CP/Bnk (same BE No)
Rad Rcvr	—	—	—	—	—	—	—	—	—	—	—	2	—	—	—	1	2	Hardened antenna type B
Rad Xmtr	—	—	—	—	—	—	—	—	—	—	—	5	—	2	—	—	1	
Konkovichi IRBM Regt																		
Mobile Base Hqs*	1**	—	—	—	1	1	—	ucon	No	—	—	2	—	—	—	—	3	Formerly an MRBM Regt CP/Bnk (same BE No) without adjacent antennas
Rad Xmtr*	—	—	—	—	—	—	—	—	No	—	—	8	—	—	1 prob	—	—	Formerly an MRBM Regt Xmtr (same BE No)
Kozhanovichi IRBM Regt																		
Mobile Base Hqs	1	1	—	—	—	1	—	ucon	No	No	—	2	—	—	—	—	1	
Rad Sta*	—	—	—	—	1	—	—	—	No	—	—	—	—	—	—	—	2	Formerly an MRBM Regt CP/Bnk (same BE No)
Rad Rcvr*	—	—	—	—	1	—	—	—	No	—	—	2	—	—	2	1	3	Formerly an MRBM Regt CP/Bnk (same BE No)
Rad Xmtr*	—	—	—	—	—	—	—	—	No	—	—	8*	—	—	2	—	2	Formerly an MRBM Regt Xmtr (same BE No); antenna field upgraded
Mozyr IRBM Regt																		
Mobile Base Hq	1	1	1	—	—	—	—	—	No	No	—	2	—	—	—	—	—	
Rechitsa IRBM Regt																		
Mobile Base Hq	1	1	1	—	—	—	—	ucon	No	No	—	2	—	—	—	—	—	
ROMNY IR/MRBM DIV																		
CP/Bnk	—	—	—	—	3*	—	—	—	No	—	—	2	*ucon	—	—	—	3	Antenna field being upgraded; C3 bunkers undergoing unidentified modifications
Rad Rcvr	—	—	—	—	1	—	—	—	No	—	—	•	—	—	•	—	•	Antenna field dismantled; unid bldg ucon
Rad Xmtr*	—	—	—	—	—	—	—	—	No	—	—	4	—	—	1*	—	2	Unid bldg ucon; one quadrant removed
Krolevets IRBM Regt																		
Mobile Base Hqs (no BE No)	—	—	—	1	—	1	—	—	No	Yes	2	2	—	—	—	—	—	
Rad Sta*	—	—	—	—	1	—	—	—	No	—	—	—	—	—	—	—	1	Formerly an MRBM Regt CP/Bnk (same BE No)
Rad Xmtr*	—	—	—	—	—	—	—	—	No	—	—	6	—	—	—	—	2	
Lebedin IRBM Regt																		
Mobile Base Hqs*	—	—	—	—	1	1	—	—	No	—	2*	2	—	—	—	—	2	Formerly an IRBM Regt CP/Bnk (same BE No) with only two adjacent antenna masts; KY-EL-06 antenna atop one of the lattice towers

All deactivated C3 facilities have been dropped from this chart.

Shading denotes facilities providing onsite support for mobile bases

Red indicates changes since the cutoff date of the updated report.

*See Comments

**remote

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