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*(See inside cover)*

**imagery analysis report**

**Current Status of Soviet SS-4/-5  
MRBM/IRBM Probable Force Consolidation (TSR)**

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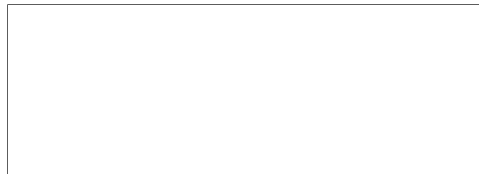


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## CURRENT STATUS OF SOVIET SS-4/-5 MRBM/IRBM PROBABLE FORCE CONSOLIDATION (TSR)



### ABSTRACT

1. (TSR) This report is an update of a previous NPIC report on the apparent force consolidation of the SS-4/-5 MRBM/IRBM missile system(s). Analysis of activity seen at several SS-4/-5 facilities, primarily the SS-4 launch sites independent of the SS-5 facilities, suggests that there will be a decrease in the number of launch sites while the same approximate number of launchers will be maintained. This will probably be accomplished by transferring launch-related equipment from deactivated facilities to operational launch sites.

2. (TSR) Significant activity seen at the SS-4/-5 MRBM/IRBM-related facilities during the period from January—September 1979 include the construction of 15 missile-ready buildings, an increase of 63 SS-5/-7 propellant transporters at SS-4 launch sites, the construction of several drive-through and drive-in revetments, the construction of four new possible launch positions, and the apparent dismantlement of SS-5 missiles.


### DISCUSSION

3. (TSR) Activity at SS-4/-5 launch sites believed to be associated with force consolidation included the following: construction of 15 additional probable missile-ready buildings, an increase of 63 SS-5/-7 propellant transporters at SS-4 launch sites, and the construction of 81 additional missile-related, drive-through and drive-in revetments adjacent to 16 SS-4 MRBM bases. Other activities observed included the addition of new antennas near 16 MRBM facilities, an increase in the propellant storage capacity at nine SS-4 MRBM launch sites, and an increased number of launch-related vehicles (i.e., missile transporter, erectors, launch stands, and SS-4 propellant vehicles) at 13 SS-4 launch sites. No significant increase in SS-4 missile equipment was detected at any of the missile support rear depots (MSRDs) during this reporting period.

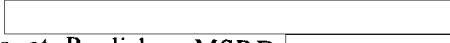

4. (TSR) At Aluksne MRBM Launch Site 2  six two-bay probable missile-ready buildings were built contiguous to four new possible launch positions. The possible launch positions consist of four sets of elongated, drive-through clearings/revetments immediately south of the original launch pads. Three of the possible additional launch pads have azimuths of 180 degrees and the fourth has an azimuth of 150 degrees. 

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 two of the possible launch positions were occupied with two additional SS-4 missile erectors and at least two sets of launch stand wedges and leveling blocks. The wedges and blocks would be required to erect an SS-4 missile on these unimproved surfaces.

5. (TSR) Aluskne is the only SS-4 launch site with these revetments within the launch area, although 20 active SS-4 MRBM launch sites have similar revetments within 2 nautical miles of their respective launch areas.

6. (TSR) Although modification/additions have been observed at SS-5 IRBM bases, consolidation of the SS-5 force may not occur.  18 SS-5 missiles were observed adjacent to a dismantling area at Berdichev MSRD . The missiles will

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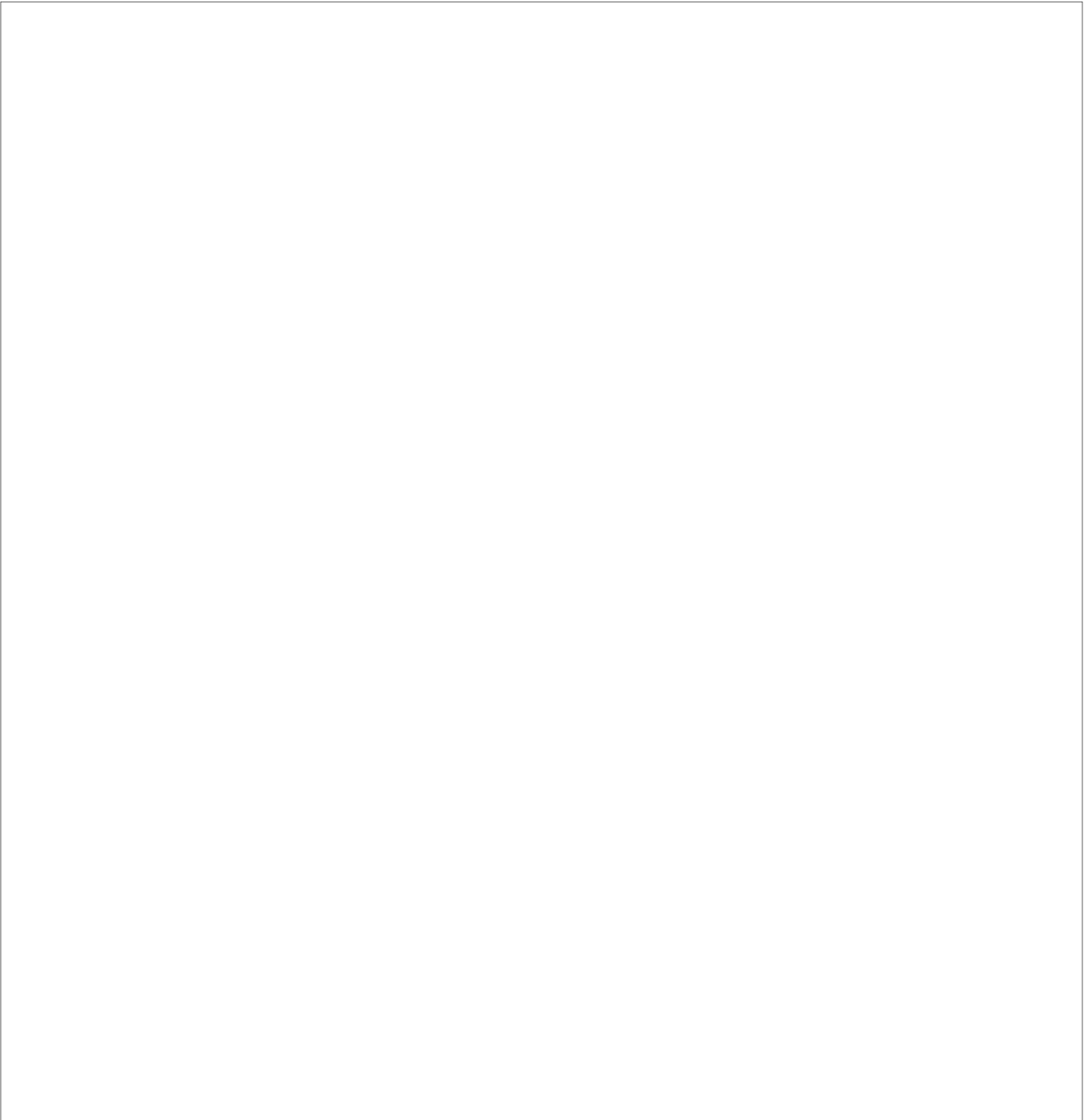


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probably be disassembled in the near future, and, if so, this would be the first time that SS-5 missiles have been dismantled. Since January, 19 SS-5 missile launchers have been deactivated or reduced in their state of launch readiness, bringing to 57 the total number of SS-5 launchers still active.

7. (TSR) Table 1 shows a breakdown of activity at each active SS-4/-5 MRBM/IRBM launch site since 1977 and lists the probable deactivated launch sites since 1976.



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Table 1. Status of SS-4/5 MRBM/IRBM Launch Sites  
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Name of Active Launch Site	BE No	No of Launchers	Type of Launch Site	Missile-Ready Bldg Ucon	Comp	SS-5/-7 Propellant TP's at MRBM Facilities Ox	Fuel	Revetments	State of Readiness	Date Status Suspected	Remarks
<b>SMOLENSK SRF</b>											
<b>ARMY</b>											
<b>GVARDEYSK MRBM DIVISION</b>											
Gusev											
LS1X		4	IB			0	4				
LS2		4	IB			4	3	3DT & 4DI			
Sovetsk											
LS1X		4	IB								Multibay garage ucon
LS2		4	IB			2	1				
Znamensk											
LS1		4	IB			0	3				7th oxidizer stor tank
LS2X		4	IB		3						
Krasnoznamensk*									D		
LS1									D		
LS2X											
<b>KAUNAS MRBM DIVISION</b>											
Jonava											
LS1		4	II								
LS2X		4	II								
Taurage											
LS1		4	IA			3	3				
LS2X		4	IA								12 SS-4 fuel transporters & new prob horizontal dipole antenna
Ukmerge											
LS1		4	IB			4	4	5DT			
LS2X		4	IA								
<b>LIDA MRBM DIVISION</b>											
Dyatlovo											
LS1X		4	IA					2DT			
LS2		4	II								
LS3		4	IA	3	3	8	8	1DT			
Gresk											
LS1X		4	IA	6	3						New horizontal dipole antenna at CP bunker
LS2		4	IA								
LS3		4	II								
Lida											
LS1		4	IB								
LS2X		4	IA								
Vselyub											
LS1		4	IA								
LS2X		4	IA								New horizontal dipole antenna
<b>OSTROV MRBM IRBM DIVISION</b>											
Moloskovitsy											
LS1X		4	II	3		4	4				New horizontal dipole antenna
LS2*									D		
LS3H		4	IVA								New horizontal dipole antenna at CP bunker
Taybola											
LS1H		3	IVB								New fishbone antenna
LS2H		3	IVB								
Ostrov											
LS1X		4	IA			3	2	14DI			New horizontal dipole antenna at CP bunker & multibay vehicle garage ucon
LS2		4	IA			4	4				7 SS-4 erectors & 1 large admin bldg ucon
LS3H		4	IVA								
<b>POSTAVY MRBM IRBM DIVISION</b>											
Disna*											
LS1									R		
LS2X									R		
LS3									R		
Polotsk*									R		
LS1									C		
LS2X									R		
Postavy*									R		
LS1X									C		
LS2									R		
LS3H									R		
Smorgan*									R		
LS1X									C		
LS2									C		
LS3H									R		
<b>PRUZHANY MRBM IRBM DIVISION</b>											
Brest											
LS1		4	II			4	4	4DT			
LS2X		4	II			4	2				
Pinsk											
LS1		4	IA	1				1DT 1DI			
LS2X		4	IA			4	2	4DT			
Pruzhany											
LS1X		4	II			2	4	5DT			7 SS 4 erectors
LS2		4	II								8 SS 4 erectors
Ruzhany											
LS1		4	II			4	4				14-bay veh stor garage ucon
LS2X		4	II			4	2				
Sionim											
LS1		4	IA								7th oxidizer storage tank/ unid construction adjacent to steamplant
LS2X		4	IA			8	3				

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Table 1. (continued)

Name of Active Launch Site	BE No	No of Launchers	Type of Launch Site	Missile-Ready Ucon	Comp	SS-5/-7 Propellant TPs at MRBM Facilities Ox	Facilities Fuel	Revetments	State of Readiness	Date Status Suspected	Remarks	
<b>SIAULIAI MRBM IRBM DIVISION</b>												
Jelgava LS1X	[Redacted]	4	II								New prob horizontal dipole antenna	
LS2		4	II									
LS3H		4	IVA									
●Nigrande LS1		4	III		2							
LS2H		4	IVB									
LS3XH		3	IVB									New prob horizontal dipole antenna
Zagare LS1X		4	IA									
LS2		4	IA				8	5				7th oxidizer stor tank
LS3H		4	IVA									
Sateikiai* LS1		[Redacted]								D	[Redacted]	
LS2								D				
LS3H									D			
<b>VIALGA MRBM DIVISION</b>												
Aluksne LS1	[Redacted]	4	II	2		0	3				New horizontal dipole antenna at CP bunker	
LS2X		4	II	6		4	4	4DT			6 SS-4 erectors & new horizontal dipole antenna	
LS3H		4	IVA									
Torva LS1		4	IA	2	1	4	2				16 SS-4 oxidizer TPs	
LS2X		4	IA									
LS3H		4	IVA			3	4					
Voru LS1X		4	II			1	4					
LS2		4	II			2	4					
Rakvere* LS1		[Redacted]								O	[Redacted]	
LS2X									D			
LS3H									D			
Risti* LS1X												
LS2												
Smolensk Army Totals				25	10	84	83					
Launch sites effected				9		25		10				
<b>VINNITSA SRF ARMY BELOKOROVICHI MRBM DIVISION</b>												
Belokorovich LS1X	[Redacted]	4	IA			6	8	7DT				
LS2		4	IB					6DT				
LS3H		4	IVA									
Korosten LS1		4	II					4DT				
LS2X		4	II			7	8				New prob horizontal dipole antenna	
Usovo LS1X		4	IB			8	7				Personnel shelter ucon in spt area	
LS2		4	IB			6		11DT			7th oxidizer storage tank & 1 barrack being razed	
LS3		4	II			6	3	4DT				
Zhitomir LS2X		4	II			3	8				7th oxidizer storage tank, new unid antenna, & 2 new personnel shelters	
LS3		4	II			1	2					
Zhmerinka LS1X	4	II				2				New horizontal dipole antenna		
LS2	4	II										
LS3H	4	IVA			3	3						
<b>KOLOMYIA MRBM DIVISION</b>												
Borshev LS1X	[Redacted]	4	IA			8	8				7th oxidizer storage tank	
LS2		4	IB									
Dolina LS1X		4	IA			8	8				New horizontal dipole antenna, 14 SS-4 OX TPs, 6 & SS-4 fuel TPs	
LS2		4	IA									
LS3H		4	IVA									
Drogobych LS1X		4	IA				2	5DT			7th oxidizer storage tank & new horizontal dipole antenna at CP bunker	
LS2		4	IA									
LS3H		4	IVA									
Nadvornaya LS1		4	IA		3	3	4	3DI			Launch position reinforced with paving blocks, 16 SS-4 oxidizer TPs, & 8 SS-4 fuel TPs	
LS2X		4	IA			4	4				New prob horizontal dipole antenna	
LS3H	4	IVA										
<b>LUTSK MRBM DIVISION</b>												
Brody LS1X	[Redacted]	4	IA			7	8	7DT			7th oxidizer stor tank	
LS2		4	IA									
LS3H		4	IVA									
Kiivertsy LS1X		4	IB			8	8				2 multibay vehicle stor garage ucon & new firing range	
LS2		4	IA								7th oxidizer stor tank	
Lutsk LS1X		4	IA			7	7				14 SS-4 missile transporters	
LS2		4	IA			8	7	5DT			6 SS-4 erectors	
LS3H		4	IVA									
Ostrog LS1		4	IA			6	8	2DT				
LS2X		4	IB									
Sokal LS1X	4	IA			3		4DT			New horizontal dipole antenna at CP bunker		
LS2	4	IA					6DT					
LS3H	4	IVA										

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Table 1. (continued)

Name of Active Launch Site	BE No	No of Launchers	Type of Launch Site	Missile-Ready Bldg Ucon	Comp	SS-5/-7 Propellant TPs at MRBM Facilities Ox	Revetments Fuel	State of Readiness	Date Status Suspected	Remarks
<b>MOZYR MRBM IRBM DIVISION</b>										
Gomel										
LS1X								D		
LS2X								D		
Konkovichi*								D		
LS2								D		
Kozhanovich*								C		
LS1								D		
LS2X								D		
Yetsk*								D		
LS1								D		
LS2								D		
<b>ORDZHONIKIDZE MR/IR DIVISION</b>										
●Gelli										
LS1H		3	IVB							
LS2H		3	IVB							
LS3XH		3	IVB							
Groznyy								R		
LS1*								D		
LS2X*		4	IVA							
LS3H										
Maykop										
LS1		4	II			3	3			6 SS-4 erectors
LS2H		4	IVA							
<b>ROMNY MR/IR DIVISION</b>										
Akhtyrka										
LS1		4	II			8	8			11 SS-4 missile TPs & 8 SS-4 erectors
LS2X		4	II					6DT		7 SS-4 erectors & 7 launch stands
●Krolevets										
LS1X		4	III					11DT		1 SS-5 silo loader in support area & new horizontal dipole antenna
LS2		4	III					20DT		Construction adjacent to steamplant
●Granov*										
LS1X								D		
LS2H								R		
LS3H								R		
LS3 (only 2 LPs)		2								1 SS-5 silo loader in launch area
●Lebedin										
LS1X		4	III							
LS2		4	III	1	5					
LS3		4	III							2 personnel shelters ucon
Pervomysk*										
LS1XH								D		
LS2H								D		
LS3H								D		
Vinnitsa Army Totals				4	17	101	116			
Launch sites effected				4			20	15		
<b>ORENBURG SRF ARMY SARY OZEK INDEPENDENT IRBM REGIMENT</b>										
●Sary Ozek										
LS1X		4	III							
LS2H		3	IVB							
LS3H		3	IVB							
<b>KURGANCHA INDEPENDENT MRBM REGIMENT</b>										
Kurgancha*										
LS1X								D		
LS2								D		
LS3H								D		
Totals				56		185	199			
Launch sites effected				13			45	25		

- \* Facilities/site is in a reduced state of readiness
- SS-5 IRBM launch site
- H Hardened launch site (silo)
- X Collocated with regimental receiver
- DT Drive through
- DI Drive in
- D Deactivated
- R Reduced state of readiness
- C Converted to SS-20 mobile missile base
- LS Launch site
- TP Transporter
- CP Command post
- RSOR Reduced state of readiness - A transitory stage from operational to deactivated status and the abandonment or lack of facility

CURRENT STATUS OF SS-4/5 MR/IRBM LAUNCHERS

	System	Launch Sites (active)			Launchers		
		Hard	Soft	Total	Hard	Soft	Total
Deactivated or reduced state of readiness from 1976-1979	SS-4 MRBM	3	26	29	12	104	116
	SS-5 IRBM	6	3	9	18	12	30
	Total	9	29	38	30	116	146
Current through							
Active launch sites	SS-4 MRBM	16	78	94	64	312	376
	SS-5 IRBM	9	8	17	27	30	57
	Total	25	87	112	91	342	433

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