

Headquarters Air Mobility Command



ArcGIS Server And GeoPDF Solutions For Remote Airfield Visualization

Dr. Rick Marshall, HQ AMC/A700

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Overview



- AMC granted Russian Overflight Clearance
- 6 Russian Airfields Selected as Divert Alternates
- Many of the Airfields Had No FLIP Data Available
- AMC/A700 Asked to Visualize Airfields by AMC/A3AS
- AMC/A700 Used a Combination of ArcGIS Server and GeoPDF



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Airfield Information: UERR



GDSS Giant Report | UERR - MBRNY

Unclassified Corporate Database

Basic Information

Name: MBRNY ICAO: UERR Alternate ICAO:
Alternate Names: WAC BBR; GOSSTUERR Category ID:
Airfield Type: CIVILIAN (C)
Latitude: 62 32 1N Longitude: 114 02 3E Elevation: 1163
Country: RUSSIA Country Code: RS
STF information exists for: [AMC-RUSSIA] [UERR-Airfield Survey] [UERR-Airfield Diagram]
Other Links: [NOTAMS]
Survey Date: Review By: KLINGLER Review Date: 28-SEP-2008

Suitability Codes

Codes: ACDEFGLORSZ [All Suitability Codes](#) [Help](#)
Explanations:
A SUITABLE C-141B
C SUITABLE C-130
D SUITABLE C-17
E SUITABLE KC-10
F SUITABLE KC-135
G SUITABLE C-9
I SUITABLE C-21
Q APPROVAL/ADVISORY REQ'D - SEE GDSS FOR OBSTRUCTIONS AND RESTRICTIONS #IFD
R DAYLIGHT OPERATIONS ONLY
S VFR ONLY
Z SEE STF FOR MAJCOM SUPPLEMENTAL INFORMATION
Note: Some suitability codes (H, I, J, K, and M) may apply to several aircraft. These codes apply to a particular aircraft only when combined with a "suitable" code for that aircraft. Likewise, they do not apply when combined with an "unsuitable" code for that aircraft.
ASR Remarks: SPECIAL PIC AIRPORT BRSC: (F) Feedback
Geoloc: Area ID: 018 FAA:
[TOP](#)

Runway Information

[TOP](#) [Runways](#) [Help](#)
ID Pri Len LDA Wtd Surface Condition Raw WAC PCN S T ST TT SBTT TDT TRT
Rwy: 06 1167 9167 148 CON GOOD PCN 45RAWT 45RAWT XXX 111 175 345 479 840 507
Recip: 24 9167 9167
[TOP](#)

Airfield Lighting

[TOP](#) [Help](#)
W: More Info Search Search MBR BBR CH S MBR TDR Show More

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Airfield Information: UERR



TOP

Runway Information

TOP

Runways

Help

ID	Pri	Lat	LDA	Wld	Surface	Condition	Raw	WBC	PCN	S	T	ST	TT	SRTT	TOT	TNT
Rwy: 05	*	9187														
Recpr: 24		9187	148	CON	GOOD		PCN 45RAWT	45RAWT	XXX	111	175	245	479	840	507	

TOP

Airfield Lighting

Help

ID	Mode	Unk	SeqFI	Appch	VASI	PAPI	OLS	RER	TDZL	Rwy	Rwy	CL
Rwy: 05												
Recpr: 24												

TOP

Runway Obstructions

Help

No Runway Obstruction Data

TOP

Primary Runway Capacities and Fuel

Help

PCN: 45_RA/WT	LCN: -1	Raw WBC Source: PCN 45RAWT (ENR SUP)	Fuel: NONE
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TOP

Restrictions/Info

TOP

Airfield Restrictions

Help

R- Day only due to unknown obstacles. Pending aircrew feedback (no operable VGSIL/PAPI or IAP for C-21).

R- S- Day/TFR only due to lack of usable instrument approaches and VGSIL/PAPI/OLS for night ops.

Q- Warning. Obstacles may exist at this airfield which would be hazardous to C-5 operations. Sufficient feedback or an AMC Form 174, Airfield Survey is required to assess any obstacles prior to proposed C-5 operations. Contact TACC/XOPM at (618) 229-2410/4015 to initiate the survey process.

Q- AMC Special PIC Airport (limited information and unique procedures). No crew may operate to/from a Special PIC airport unless a pilot crewmember, within the preceding 12 calendar months, has made an entry to the airport while performing pilot duties in one of the primary seats. This requirement does not apply as long as one of the following three conditions are met:
1) Weather within +/- 1hr ETA is at least 1000ft above lowest MSA, MOCA or initial approach altitude, AND airport visibility is equal to or > 3SM, or
2) Authorized charts/pictorials/briefings (Jeppesen Airport Qualification or other approved source) are reviewed and/or received within 30 days prior to departure, or

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Airfield Information: UERR



GDSS Giant Report | UERR - MRM/Y

Unclassified Corporate Database

Basic Information

Name: ICAO: UERR Alternate ICAO:
Alternate Names: WAC NR: GOSSTMUERR Category ID:
Airfield Type: CIVILIAN (C)
Latitude: 62 32 1N Longitude: 114 02 3E Elevation: 1153
Country: RUSSIA Country Code: RS
STF information exists for: (AMC-RUSSIA) (UERR-Airfield) Survey (UERR-Airfield Diagram)
Other Links: [NOTAMs](#)
Survey Date: Review By: KLINGLER Review Date: 28-SEP-2008

Suitability Codes

Codes: ACDEFGLORSZ [All Suitability Codes](#)

Explanations:

- A SUITABLE C-141B
- C SUITABLE C-130
- D SUITABLE C-17
- E SUITABLE KC-10
- F SUITABLE KC-125
- G SUITABLE C-9
- L SUITABLE C-21
- Q APPROVAL/ADVISORY REQ'D - SEE GDSS FOR OBSTRUCTIONS AND RESTRICTIONS INFO
- R DAYLIGHT OPERATIONS ONLY
- S VFR ONLY
- Z SEE STF FOR MAJCOM SUPPLEMENTAL INFORMATION

Note: Some suitability codes (H, I, J, K, and M) may apply to several aircraft. These codes apply to a particular aircraft only when combined with a "suitable" code for that aircraft. Likewise, they do not apply when combined with an "unsuitable" code for that aircraft.

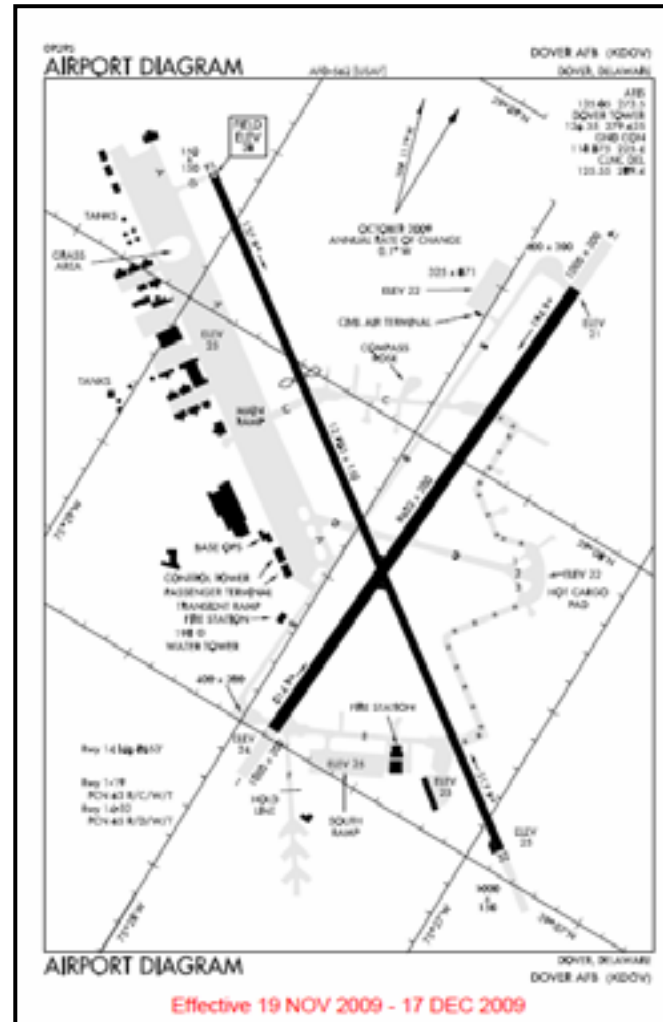
ASR Remarks: SPECIAL PIC AIRPORT MISC: (F)Feedback
Genloc: Area ID: 018 FAA:

Runway Information

ID	Pri	Lee	LDA	Wld	Surface	Condition	Raw	WBC	PCN	S	T	ST	TT	SRT	TOT	TRT
Runy:	06	+	8187	8187	148	CON	GOOD	PCN 45RAWT	45RAWT	XXX	111	175	345	479	840	597
Recpt:	24		8187	8187												

Airfield Lighting

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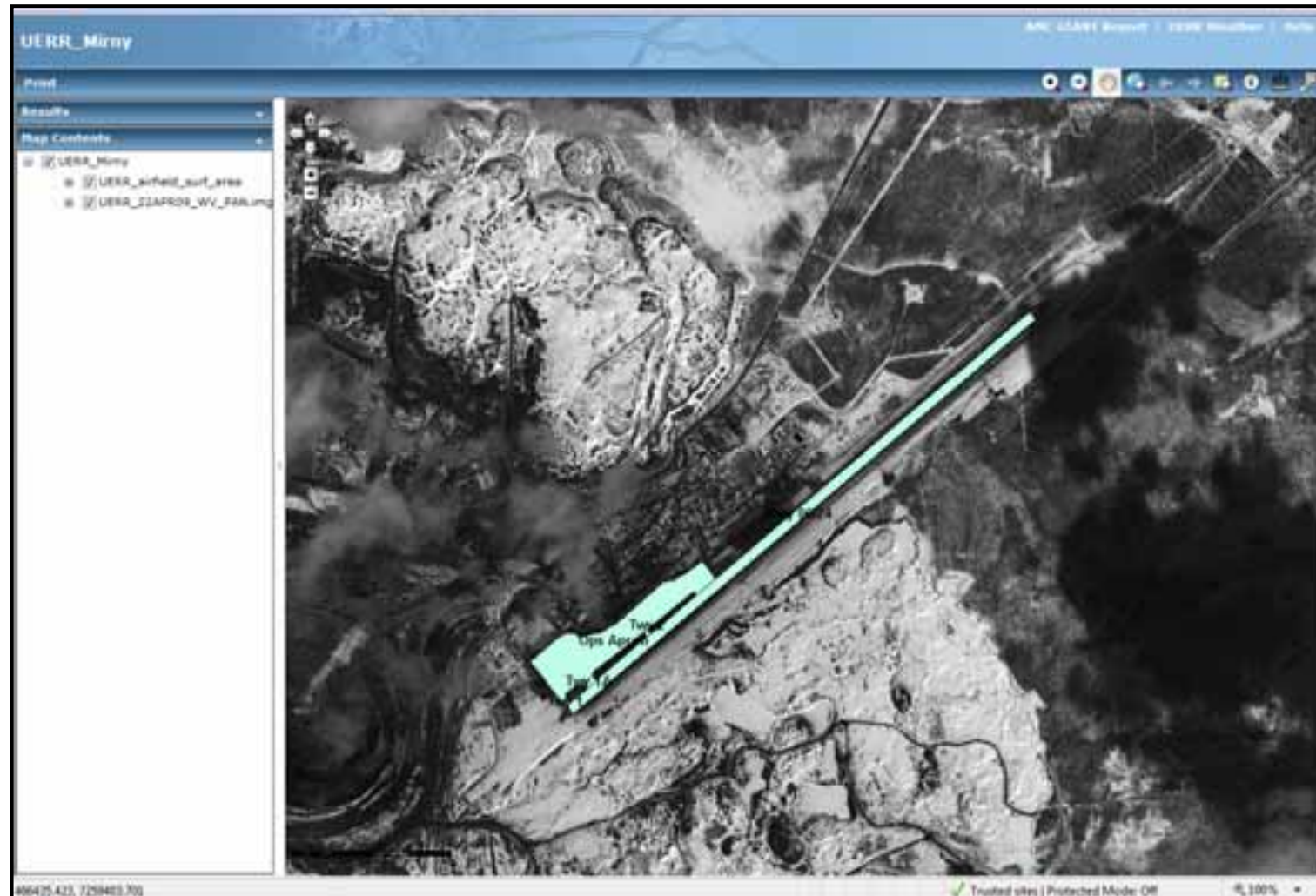
Airfield Information: UERR



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UERR: ArcGIS Server



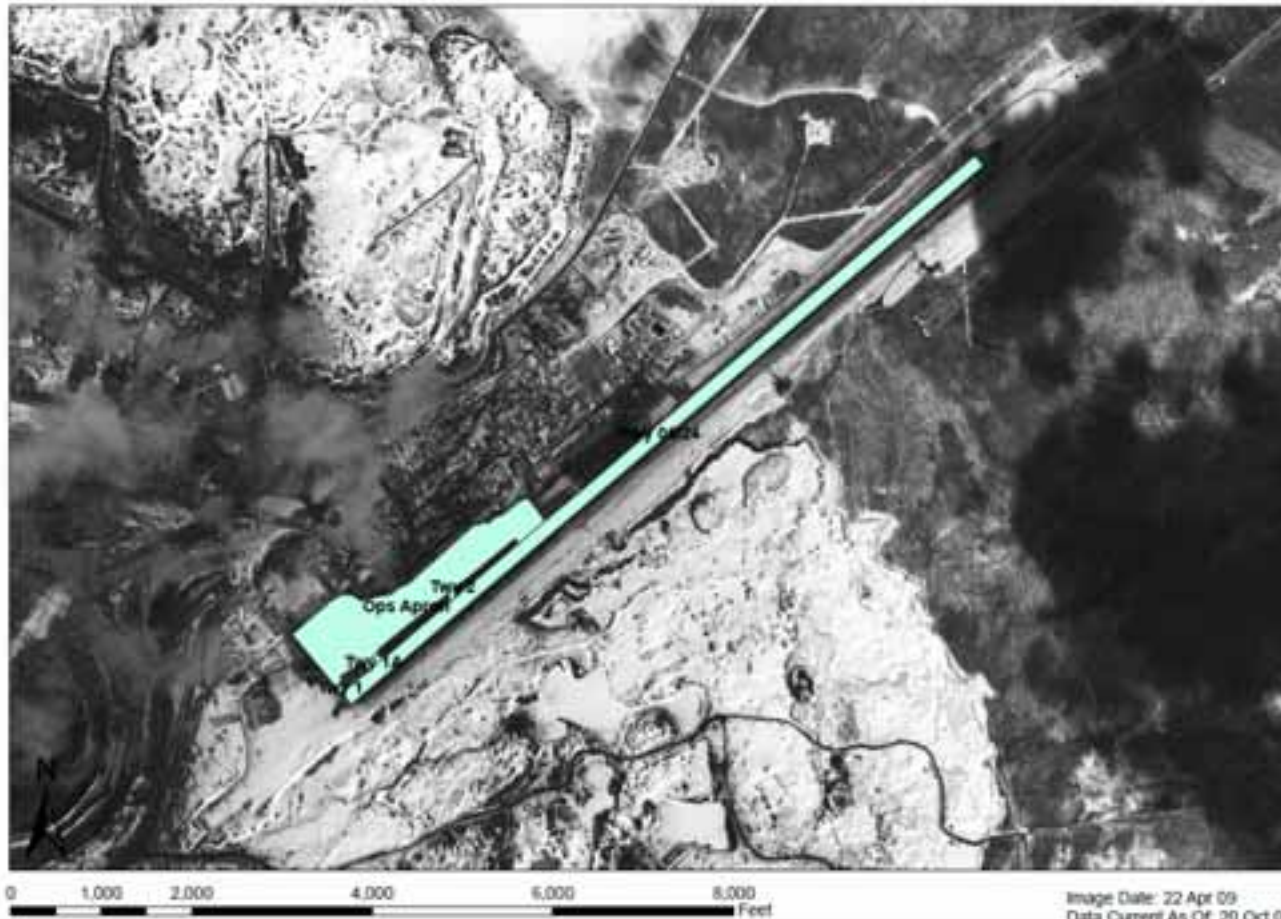
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UERR: GeoPDF



Mirny Airfield, Russia (UERR)



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Future Uses

TOP Basic Information

Name: YAKUTSK ICAO: UEEE Alternate ICAO:

Alternate Names: WAC BNR: 0124-08001 Category ID:

Airfield Type: CIVILIAN (C)

Latitude: 62 05.5N Longitude: 129 45.5E Elevation: 360

Country: RUSSIA Country Code: RS

STF information exists for: [\[AMC-RUSSIA\]](#) [\[UEEE-Airfield Survey\]](#) [\[UEEE-Airfield Diagram\]](#)

Other Links: [\[NOTAMS\]](#)

Survey Date: Review By: KLINGLER Review Date: 28-SEP-2009

TOP Suitability Codes [help](#)

Codes: ACDEFGLORTZ [All Suitability Codes](#)

Explanations:

- A. SUITABLE C-141B
- C. SUITABLE C-130
- D. SUITABLE C-17
- E. SUITABLE KC-10
- F. SUITABLE KC-135
- G. SUITABLE C-9
- L. SUITABLE C-21
- Q. APPROVAL/ADVISORY REQ'D - SEE GDSS FOR OBSTRUCTIONS AND RESTRICTIONS INFO
- R. DAYLIGHT OPERATIONS ONLY
- T. NO DOD PUBLISHED APPROACH - JEPPESEN AVAILABLE APPROVAL REQ'D
- Z. SEE STF FOR MAJCOM SUPPLEMENTAL INFORMATION

Note: Some suitability codes (H, I, J, K, and M) may apply to several aircraft. These codes apply to a particular aircraft only when combined with a "suitable" code for that aircraft. Likewise, they do not apply when combined with an "unsuitable" code for that aircraft.

ASR Remarks: SPECIAL PIC AIRPORT MSC: (M)Mountainous (F)Feedback

Geoloc: ZLBB Area ID: 018 FAA: YKS

TOP Runway Information

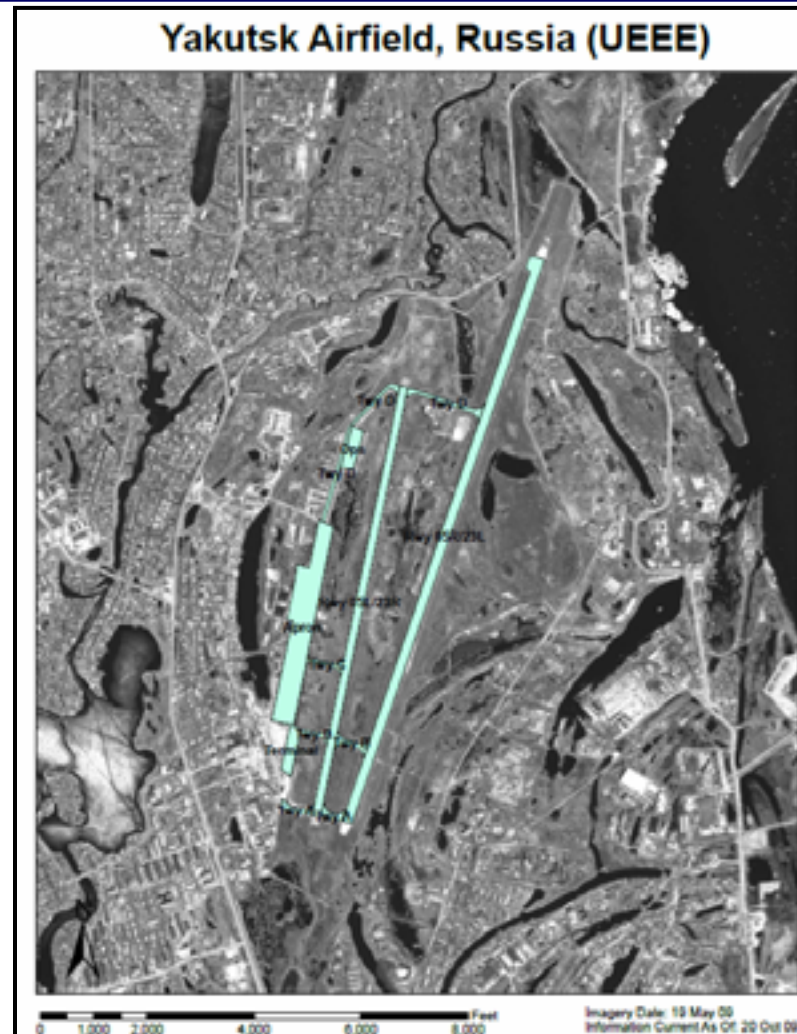
TOP [help](#)

ID	Pri	Lee	LDA	Wld	Surface	Condition	Raw	WIC	PCN	S	T	ST	TT	SRTT	TDI	TRT
Rwy: 05L			8202	161	CON	CLSD	PCN 18RBKT	18RBKT	XXX	T3		101	157	266	475	228
Recip: 23R		8202	8202													
Rwy: 05R	*	11155	11155	197	ASP	GOOD	PCN 45RBKT	45RBKT	XXX	111	175	336	479	840	507	
Recip: 23L		11155	11155													

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UEEE: GeoPDF



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SUMMARY



-
- **A Collaborative Effort**
 - **Geospatial Information Can Be Married with Operational Practices to Produce New Capabilities**
 - **The Key to a Successful Partnership is Awareness**
 - **Operators Don't Need Stand Alone Geospatial Information, They Need Geospatial Information to Make Their Processes Better**
 - **Many Don't Understand How We Can Help**
 - **Might Take A Few Prototypes to Make An Impact**
 - **There Might Be Resistance Until There Is A Need**

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POINTS OF CONTACT



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