

Third Party Protected Information
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Route Standard Briefing at Dec 25, 1613Z for N6745V KGRR to Y14

***** KGRR (Departure) Closest Terminal Weather *****

METAR KGRR 251553Z Gerald R Ford International, Grand Rapids, MI (KGRR). Dec 25, 1553Z. Light Snow, Wind from 170° at 7 knots, 7 statute miles visibility, Ceiling is Overcast at 3,600 feet, Temperature -1°C, Dewpoint -6°C, Altimeter is 30.31. Remarks: automated station with precipitation discriminator snow began 48 minutes past the hour sea level pressure 1027.4 hectopascals less than 0.01 inches precipitation (water equivalent) in past hour hourly temp -1.1°C dewpoint -6.1°C

METAR KGRR 251453Z Gerald R Ford International, Grand Rapids, MI (KGRR). Dec 25, 1453Z. Wind from 160° at 7 knots, 10 statute miles visibility, Ceiling is Overcast at 4,400 feet, Temperature -2°C, Dewpoint -7°C, Altimeter is 30.30. Remarks: automated station with precipitation discriminator sea level pressure 1027.0 hectopascals hourly temp -1.7°C dewpoint -7.2°C 3-hour atmospheric pressure decreasing or steady, then increasing; or increasing then increasing more rapidly by 0.9 hectopascals

METAR KGRR 251353Z Gerald R Ford International, Grand Rapids, MI (KGRR). Dec 25, 1353Z. Wind from 150° at 6 knots, 10 statute miles visibility, Ceiling is Broken at 4,000 feet, Broken Clouds at 10,000 feet, Temperature -2°C, Dewpoint -7°C, Altimeter is 30.29. Remarks: automated station with precipitation discriminator sea level pressure 1026.6 hectopascals hourly temp -2.2°C dewpoint -7.2°C

Gerald R Ford International, Grand Rapids, MI (KGRR). Issued Dec 25, 1125Z, valid from Dec 25, 1200Z until Dec 26, 1200Z, Wind from 150° at 5 knots, greater than 6 statute miles visibility, Few clouds at 3,500 feet, Ceiling is Broken at 9,000 feet

From Dec 25, 1400Z, Wind from 140° at 4 knots, greater than 6 statute miles visibility, Ceiling is Overcast at 3,500 feet

From Dec 25, 1800Z, Wind from 180° at 6 knots, 4 statute miles visibility, Light Showers Snow and Mist, Ceiling is Overcast at 2,500 feet

From Dec 25, 2000Z, Wind from 220° at 4 knots, 4 statute miles visibility, Mist and Showers in the Vicinity, Ceiling is Broken at 1,500 feet

From Dec 25, 2200Z, Wind from 230° at 3 knots, greater than 6 statute miles visibility, Ceiling is Overcast at 2,500 feet.

***** KGRR (Departure) NOTAMs *****

All published NOTAMs are available in the Notices to Airmen Publication (NTAP).

==== Apron NOTAMs ====

!GRR 12/373 Gerald R Ford International, Grand Rapids, MI (KGRR) Apron air carrier apron field condition 1/8 inch dry snow observed at Dec 25, 2018 1602Z. Dec 25, 2018 1602Z to Dec 26, 2018 1602Z

==== Taxiway NOTAMs ====

!GRR 12/372 Gerald R Ford International, Grand Rapids, MI (KGRR) Taxiway all field condition 1/8 inch dry snow observed at Dec 25, 2018 1601Z. Dec 25, 2018 1602Z to Dec 26, 2018 1602Z

==== Runway NOTAMs ====

!GRR 12/375 Gerald R Ford International, Grand Rapids, MI (KGRR) Runway 17 field condition 5/5/5 80 PCT 1/8 inch dry snow observed at Dec 25, 2018 1612Z. Dec 25, 2018 1612Z to Dec 26, 2018 1612Z

!GRR 12/374 Gerald R Ford International, Grand Rapids, MI (KGRR) Runway 08 left field condition 25 PCT 1/8 inch dry snow observed at Dec 25, 2018 1608Z. Dec 25, 2018 1608Z to Dec 26, 2018 1608Z

==== FDC NOTAMs ====

!FDC 8/9980 KGRR IAP GERALD R FORD INTL, Grand Rapids, MI. RNAV (GPS) RWY 26R, AMDT 1A... PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT ORIEN ON V274 NORTHEAST BOUND. DISREGARD PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT ORIEN ON V274 NORTHEAST BOUND AND ON V26 SOUTHEAST BOUND. 13 SEP 11:17 2018 UNTIL 25 APR 11:17 2019 ESTIMATED. CREATED: 13 SEP 11:17 2018

!FDC 8/9979 KGRR IAP GERALD R FORD INTL, Grand Rapids, MI. RNAV (GPS) RWY 8R, AMDT 1B... PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT JAKES ON V193 SOUTHWEST BOUND. DISREGARD PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT JAKES ON V193 SOUTHWEST BOUND AND ON V510 WESTBOUND. 13 SEP 11:17 2018 UNTIL 25 APR 11:17 2019 ESTIMATED. CREATED: 13 SEP 11:17 2018

!FDC 8/7765 KGRR IAP GERALD R FORD INTL, Grand Rapids, MI. ILS OR LOC RWY 35, AMDT 2... DELETE NOTE: HONSE FIX MINIMUMS (DUAL VOR RECEIVERS OR DME REQUIRED). ADD NOTE FOR HONSE MINIMUMS (ADF OR DME REQUIRED). EQUIPMENT REQUIREMENT NOTE: DME OR RADAR REQUIRED FOR PROCEDURE ENTRY. DELETE PLANVIEW NOTE: DME OR RADAR REQUIRED. EQUIPMENT REQUIREMENT NOTE: DME REQUIRED. THIS IS ILS OR LOC RWY 35, AMDT 2A. 09 OCT 13:29 2018 UNTIL PERM. CREATED: 09 OCT 13:29 2018

***** Y14 (Destination) Closest Terminal Weather *****

SPECI KFSD 251602Z Special, Joe Foss Field, Sioux Falls, SD (KFSD). Dec 25, 1602Z. Mist,

Wind from 060°; at 5 knots, 2 and 1/2 statute miles visibility, Ceiling is Overcast at 300 feet, Temperature -2°C, Dewpoint -2°C, Altimeter is 30.19. Remarks: automated station with precipitation discriminator hourly temp -1.7°C dewpoint -2.2°C

METAR KFSD 251556Z Joe Foss Field, Sioux Falls, SD (KFSD). Dec 25, 1556Z. Mist, Wind from 060°; at 7 knots, 1 and 1/2 statute miles visibility, Ceiling is Overcast at 300 feet, Temperature -2°C, Dewpoint -3°C, Altimeter is 30.18. Remarks: automated station with precipitation discriminator surface visibility 2 1/2 statute miles sea level pressure 1024.0 hectopascals hourly temp -1.7°C dewpoint -2.8°C

METAR KFSD 251456Z Joe Foss Field, Sioux Falls, SD (KFSD). Dec 25, 1456Z. Mist, Wind from 070°; at 7 knots, 1 and 1/4 statute miles visibility, Ceiling is Overcast at 300 feet, Temperature -2°C, Dewpoint -3°C, Altimeter is 30.17. Remarks: automated station with precipitation discriminator surface visibility 1 1/2 statute miles sea level pressure 1023.5 hectopascals trace of precipitation past 3 hours I3000 hourly temp -1.7°C dewpoint -2.8°C 3-hour atmospheric pressure decreasing or steady, then increasing; or increasing then increasing more rapidly by 1.9 hectopascals

METAR KFSD 251356Z Joe Foss Field, Sioux Falls, SD (KFSD). Dec 25, 1356Z. Mist, Wind from 040°; at 5 knots, 1 and 1/4 statute miles visibility, Ceiling is Overcast at 300 feet, Temperature -2°C, Dewpoint -3°C, Altimeter is 30.14. Remarks: automated station with precipitation discriminator freezing drizzle ended 16 minutes past the hour began 33 minutes past the hour ended 53 minutes past the hour sea level pressure 1022.4 hectopascals less than 0.01 inches precipitation (water equivalent) in past hour I1000 hourly temp -1.7°C dewpoint -2.8°C

SPECI KFSD 251333Z COR Special, Joe Foss Field, Sioux Falls, SD (KFSD). Dec 25, 1333Z, Corrected. Light Freezing Drizzle and Mist, Wind from 060°; at 4 knots, 1 and 1/4 statute miles visibility, Ceiling is Overcast at 300 feet, Temperature -2°C, Dewpoint -3°C, Altimeter is 30.13. Remarks: automated station with precipitation discriminator surface visibility 1 1/2 statute miles freezing drizzle ended 16 minutes past the hour began 33 minutes past the hour less than 0.01 inches precipitation (water equivalent) in past hour I1000 hourly temp -1.7°C dewpoint -2.8°C

SPECI KFSD 251316Z Special, Joe Foss Field, Sioux Falls, SD (KFSD). Dec 25, 1316Z. Mist, Wind from 070°; at 5 knots, 2 statute miles visibility, Ceiling is Overcast at 300 feet, Temperature -2°C, Dewpoint -3°C, Altimeter is 30.12. Remarks: automated station with precipitation discriminator freezing drizzle ended 16 minutes past the hour less than 0.01 inches precipitation (water equivalent) in past hour I1000 hourly temp -1.7°C dewpoint -2.8°C

TAF for Y14 is not available. For additional forecast information, please refer to other forecast sections in this briefing

***** Y14 (Destination) NOTAMs *****

All published NOTAMs are available in the Notices to Airmen Publication (NTAP).

==== Runway NOTAMs ====

!HON 11/142 Marv Skie-Lincoln County, Tea, SD (KY14) Runway 34 precision approach path indicator unusable Nov 29, 2018 0012Z to Dec 31, 2018 2359Z

==== Service NOTAMs ====

!HON 09/137 Marv Skie-Lincoln County, Tea, SD (KY14) Service automated weather broadcast system altimeter and wind unreliable Sep 28, 2018 1514Z to Mar 28, 2019 2359Z

***** KFSD (Alternate 1) Closest Terminal Weather *****

SPECI KFSD 251602Z Special, Joe Foss Field, Sioux Falls, SD (KFSD). Dec 25, 1602Z. Mist, Wind from 060° at 5 knots, 2 and 1/2 statute miles visibility, Ceiling is Overcast at 300 feet, Temperature -2°C, Dewpoint -2°C, Altimeter is 30.19. Remarks: automated station with precipitation discriminator hourly temp -1.7°C dewpoint -2.2°C

METAR KFSD 251556Z Joe Foss Field, Sioux Falls, SD (KFSD). Dec 25, 1556Z. Mist, Wind from 060° at 7 knots, 1 and 1/2 statute miles visibility, Ceiling is Overcast at 300 feet, Temperature -2°C, Dewpoint -3°C, Altimeter is 30.18. Remarks: automated station with precipitation discriminator surface visibility 2 1/2 statute miles sea level pressure 1024.0 hectopascals hourly temp -1.7°C dewpoint -2.8°C

METAR KFSD 251456Z Joe Foss Field, Sioux Falls, SD (KFSD). Dec 25, 1456Z. Mist, Wind from 070° at 7 knots, 1 and 1/4 statute miles visibility, Ceiling is Overcast at 300 feet, Temperature -2°C, Dewpoint -3°C, Altimeter is 30.17. Remarks: automated station with precipitation discriminator surface visibility 1 1/2 statute miles sea level pressure 1023.5 hectopascals trace of precipitation past 3 hours I3000 hourly temp -1.7°C dewpoint -2.8°C 3-hour atmospheric pressure decreasing or steady, then increasing; or increasing then increasing more rapidly by 1.9 hectopascals

METAR KFSD 251356Z Joe Foss Field, Sioux Falls, SD (KFSD). Dec 25, 1356Z. Mist, Wind from 040° at 5 knots, 1 and 1/4 statute miles visibility, Ceiling is Overcast at 300 feet, Temperature -2°C, Dewpoint -3°C, Altimeter is 30.14. Remarks: automated station with precipitation discriminator freezing drizzle ended 16 minutes past the hour began 33 minutes past the hour ended 53 minutes past the hour sea level pressure 1022.4 hectopascals less than 0.01 inches precipitation (water equivalent) in past hour I1000 hourly temp -1.7°C dewpoint -2.8°C

SPECI KFSD 251333Z COR Special, Joe Foss Field, Sioux Falls, SD (KFSD). Dec 25, 1333Z, Corrected. Light Freezing Drizzle and Mist, Wind from 060° at 4 knots, 1 and 1/4 statute miles visibility, Ceiling is Overcast at 300 feet, Temperature -2°C, Dewpoint -3°C, Altimeter is 30.13. Remarks: automated station with precipitation discriminator surface visibility 1 1/2 statute miles freezing drizzle ended 16 minutes past the hour began 33 minutes past the

hour less than 0.01 inches precipitation (water equivalent) in past hour I1000 hourly temp -1.7°C dewpoint -2.8°C

SPECI KFSD 251316Z Special, Joe Foss Field, Sioux Falls, SD (KFSD). Dec 25, 1316Z. Mist, Wind from 070°; at 5 knots, 2 statute miles visibility, Ceiling is Overcast at 300 feet, Temperature -2°C, Dewpoint -3°C, Altimeter is 30.12. Remarks: automated station with precipitation discriminator freezing drizzle ended 16 minutes past the hour less than 0.01 inches precipitation (water equivalent) in past hour I1000 hourly temp -1.7°C dewpoint -2.8°C

Joe Foss Field, Sioux Falls, SD (KFSD). Amended Dec 25, 1355Z, valid from Dec 25, 1400Z until Dec 26, 1200Z, Wind is variable at 3 knots, 3 statute miles visibility, Mist, Ceiling is Overcast at 500 feet

Temporary between Dec 25, 1400Z and Dec 25, 1500Z, 1 and 1/2 statute miles visibility, Light Freezing Drizzle and Snow, Ceiling is Broken at 400 feet

From Dec 25, 1700Z, Wind is variable at 3 knots, greater than 6 statute miles visibility, Ceiling is Broken at 600 feet

From Dec 25, 2000Z, Wind from 060°; at 5 knots, greater than 6 statute miles visibility, Ceiling is Broken at 1,000 feet

From Dec 25, 2200Z, Wind from 070°; at 5 knots, greater than 6 statute miles visibility, Ceiling is Broken at 6,000 feet

From Dec 26, 0700Z, Wind from 090°; at 6 knots, greater than 6 statute miles visibility, Ceiling is Overcast at 2,500 feet.

***** KFSD (Alternate 1) NOTAMs *****

All published NOTAMs are available in the Notices to Airmen Publication (NTAP).

==== Taxiway NOTAMs ====

!FSD 12/104 Joe Foss Field, Sioux Falls, SD (KFSD) Taxiway A holding position sign between runway 03/21 and taxiway L not lighted Dec 12, 2018 1045Z to Jan 01, 2019 2300Z

==== Runway NOTAMs ====

!FSD 11/030 Joe Foss Field, Sioux Falls, SD (KFSD) Runway 15/33 closed daily 1030-1100 Nov 04, 2018 1030Z to Mar 10, 2019 1100Z

!FSD 11/029 Joe Foss Field, Sioux Falls, SD (KFSD) Runway 03/21 closed daily 1000-1030 Nov 04, 2018 1000Z to Mar 10, 2019 1030Z

==== Aerodrome NOTAMs ====

!FSD 11/075 Joe Foss Field, Sioux Falls, SD (KFSD) Aerodrome airport surface condition not report daily 0600-1000 Nov 08, 2018 0600Z to May 01, 2019 1000Z Estimated

==== Communication NOTAMs ====

!FSD 05/002 Joe Foss Field, Sioux Falls, SD (KFSD) Communication remote transients/receiver 267.900 changed to 284.725 May 01, 2018 1901Z-permanent

==== Obstruction NOTAMs ====

!FSD 11/139 Joe Foss Field, Sioux Falls, SD (KFSD) Obstruction tower light (Antenna Structure Registration 1050512) 43° 35' 33.00" North 096° 38' 21.00" West (4.5 nautical miles E FSD) 1,673.6 feet (289.7FT above ground level) out of service Nov 27, 2018 1452Z to Jan 01, 2019 2359Z

!FSD 10/002 Joe Foss Field, Sioux Falls, SD (KFSD) Obstruction crane (Aeronautical Study Number 2018-above ground level-8181-OE) 433312N0964348W (1.8 nautical miles south-south-east FSD) 1,570 feet (179FT above ground level) flagged Oct 01, 2018 1659Z to Nov 01, 2019 1200Z Estimated

!FSD 12/112 Joe Foss Field, Sioux Falls, SD (KFSD) Obstruction tower light (Antenna Structure Registration 1042415) 43° 32' 48.00" North 096° 43' 49.00" West (2.2 nautical miles south-south-east FSD) 1,659.8 feet (218.8FT above ground level) out of service Dec 14, 2018 1042Z to Dec 29, 2018 1041Z

!FSD 07/009 Joe Foss Field, Sioux Falls, SD (KFSD) Obstruction crane (Aeronautical Study Number unknown) 433446N0964354W (.4 nautical miles N approach end runway 33) unknown (120FT above ground level) flagged daily sunrise-sunset Jul 12, 2018 1558Z to Sep 01, 2019 0100Z

!FSD 12/118 Joe Foss Field, Sioux Falls, SD (KFSD) Obstruction water tower (Aeronautical Study Number unknown) 433150N0964527W (3.8 nautical miles S FSD) unknown (180FT above ground level) not lighted Dec 20, 2018 2219Z to Jan 10, 2019 2219Z

!FSD 12/019 Joe Foss Field, Sioux Falls, SD (KFSD) Obstruction tower light (Antenna Structure Registration 1291070) 43° 34' 53.90" North 096° 46' 44.50" West (1.6 nautical miles W FSD) 1,586.6 feet (108.9FT above ground level) out of service Dec 01, 2018 1737Z to Jan 01, 2019 2359Z

!FSD 11/148 Joe Foss Field, Sioux Falls, SD (KFSD) Obstruction crane (Aeronautical Study Number UNKOWN) 433509.1NN0964601.8W (1.5 nautical miles W FSD) 1,602 feet (140FT above ground level) flagged and lighted Nov 28, 2018 1624Z to Jan 07, 2019 2359Z

!FSD 11/146 Joe Foss Field, Sioux Falls, SD (KFSD) Obstruction crane (Aeronautical Study Number UNKOWN) 433509NN0964602W (1.5 nautical miles W FSD) 1,602 feet (140FT above ground level) not lighted Nov 28, 2018 1619Z to Jan 07, 2019 2359Z

==== FDC NOTAMs ====

!FDC 8/4641 KFSD IAP JOE FOSS FIELD, Sioux Falls, SD. RNAV (GPS) RWY 15, AMDT 1A... LNAV/VNAV DA 1909/HAT 480. 30 OCT 14:31 2018 UNTIL 11 JUN 14:31 2019 ESTIMATED. CREATED: 30 OCT 14:32 2018

***** KOMA (Alternate 2) Closest Terminal Weather *****

METAR KOMA 251552Z Eppley Airfield, Omaha, NE (KOMA). Dec 25, 1552Z. Wind from 140° at 3 knots, 10 statute miles visibility, Ceiling is Overcast at 3,000 feet, Temperature 3°C, Dewpoint 1°C, Altimeter is 30.21. Remarks: automated station with precipitation discriminator sea level pressure 1023.7 hectopascals hourly temp 3.3°C dewpoint 1.1°C

METAR KOMA 251452Z Eppley Airfield, Omaha, NE (KOMA). Dec 25, 1452Z. Wind is Calm, 10 statute miles visibility, Ceiling is Overcast at 3,000 feet, Temperature 3°C, Dewpoint 1°C, Altimeter is 30.20. Remarks: automated station with precipitation discriminator sea level pressure 1023.4 hectopascals hourly temp 2.8°C dewpoint 0.6°C 3-hour atmospheric pressure decreasing or steady, then increasing; or increasing then increasing more rapidly by 2.2 hectopascals

METAR KOMA 251352Z Eppley Airfield, Omaha, NE (KOMA). Dec 25, 1352Z. Wind is Calm, 10 statute miles visibility, Ceiling is Overcast at 3,100 feet, Temperature 2°C, Dewpoint 0°C, Altimeter is 30.16. Remarks: automated station with precipitation discriminator sea level pressure 1022.1 hectopascals hourly temp 2.2°C dewpoint 0.0°C

Eppley Airfield, Omaha, NE (KOMA). Issued Dec 25, 1126Z, valid from Dec 25, 1200Z until Dec 26, 1200Z, Wind from 150° at 2 knots, greater than 6 statute miles visibility, Ceiling is Broken at 3,000 feet

From Dec 25, 1600Z, Wind from 150° at 4 knots, greater than 6 statute miles visibility, Scattered Clouds at 3,500 feet

From Dec 26, 0700Z, Wind from 100° at 5 knots, 4 statute miles visibility, Mist, Ceiling is Overcast at 2,000 feet

From Dec 26, 1000Z, Wind from 100° at 7 knots, 1 and 1/2 statute miles visibility, Mist, Ceiling is Overcast at 800 feet.

***** KOMA (Alternate 2) NOTAMs *****

All published NOTAMs are available in the Notices to Airmen Publication (NTAP).

==== Taxiway NOTAMs ====

!OMA 12/323 Eppley Airfield, Omaha, NE (KOMA) Taxiway K holding position sign north side between runway 14R/32L and taxiway S light out of service Dec 25, 2018 1045Z to Jan 04, 2019 2359Z

==== Runway NOTAMs ====

!OMA 12/324 Eppley Airfield, Omaha, NE (KOMA) Runway 14 right holding position sign at runway 18/36 light out of service Dec 25, 2018 1046Z to Jan 04, 2019 2359Z

==== Navigation NOTAMs ====

!OMA 08/054 Eppley Airfield, Omaha, NE (KOMA) Navigation ILS runway 32 left RIKKY compass locator at ILS outer marker out of service Aug 08, 2018 1814Z-permanent

==== FDC NOTAMs ====

!FDC 8/4628 KOMA IAP EPPLEY AIRFIELD, Omaha, NE. RNAV (RNP) Z RWY 36, ORIG-B... RNP 0.30 DA 1469/HAT 490. TEMPORARY CRANE, 5477FT SOUTH OF APCH END RWY 36 (2018-ACE-7645-OE). 31 OCT 12:00 2018 UNTIL 14 MAR 14:24 2019 ESTIMATED. CREATED: 30 OCT 14:24 2018

!FDC 8/4627 KOMA IAP EPPLEY AIRFIELD, Omaha, NE. RNAV (GPS) Y RWY 36, AMDT 2... LNAV MDA 1440/HAT 461 ALL CATS. VDP NA. TEMPORARY CRANE, 5477FT SOUTH OF APCH END RWY 36 (2018-ACE-7645-OE). 31 OCT 12:00 2018 UNTIL 14 MAR 14:24 2019 ESTIMATED. CREATED: 30 OCT 14:24 2018

!FDC 8/2044 KOMA IAP EPPLEY AIRFIELD, Omaha, NE. RNAV (RNP) Z RWY 14R, ORIG-C... RNP 0.30 DA 1500/DA 515. 17 DEC 19:28 2018 UNTIL 17 DEC 19:28 2020 ESTIMATED. CREATED: 17 DEC 19:29 2018

!FDC 8/0813 KOMA ODP EPPLEY AIRFIELD, Omaha, NE. TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES AMDT 6A... TAKEOFF OBSTACLE NOTES: RWY 18, TEMPORARY CRANE, 5281FT FROM DER, 1449FT LEFT OF CENTERLINE, 130FT AGL/1127FT MSL (2018-ACE-7645-OE). ALL OTHER DATA REMAINS AS PUBLISHED. 13 DEC 18:10 2018 UNTIL 16 MAR 18:10 2019 ESTIMATED. CREATED: 13 DEC 18:11 2018

***** TFR *****

The published TFRs and special notices around sporting events, power plants, dams, refineries, military facilities, correctional and law enforcement facilities, as well as all other published NOTAMs, are available in the Notices to Airmen Publication (NTAP).

No current TFR data for this briefing.

***** Convective SIGMET *****

No current Convective SIGMET data for this briefing.

***** SIGMET *****

No current SIGMET data for this briefing.

***** AIRMET *****

AIRMET issued by the Aviation Weather Center Kansas City, Missouri on the 25th at 1445Z.

Chicago Forecast Area AIRMET Sierra prepared on the 25th at 1445Z.

AIRMET Sierra update 3 for IFR valid until the 25th at 2100Z.

AIRMET IFR...Iowa Kansas Minnesota Missouri North Dakota Nebraska South Dakota Wisconsin

From 80 miles northeast of Minot International, Minot, ND (MOT) to 50 miles south of Winnipeg/James A. Richardson (YWG) to FAR to 80 miles south-south-east of FAR to 40 miles southwest of Chippewa Valley Regional, Eau Claire, WI (EAU) to 20 miles south of Nodine, Nodine, MN (ODI) to 40 miles east-south-east of Des Moines International, Des Moines, IA (DSM) to 60 miles south-south-west of Des Moines International, Des Moines, IA (DSM) to 20 miles east-south-east of OVR to 60 miles east of Salina Municipal, Salina, KS (SLN) to 40 miles east of Mc Cook Ben Nelson Regional, Mc Cook, NE (MCK) to ANW to 30 miles north-north-east of PIR to 70 miles east of BIS to 80 miles northeast of Minot International, Minot, ND (MOT)

Ceiling below 1,000 feet/visibility below 3 statute miles mist. Conditions continuing beyond 2100Z through 0300Z.

AIRMET issued by the Aviation Weather Center Kansas City, Missouri on the 25th at 1445Z.

Chicago Forecast Area AIRMET Zulu prepared on the 25th at 1445Z.

AIRMET Zulu update 2 for Ice and freezing level valid until the 25th at 2100Z.

AIRMET Ice...Iowa Illinois Indiana Lake Michigan Michigan Minnesota Wisconsin

From 50 miles southeast of Rhinelander-Oneida County, Rhinelander, WI (RHI) to 30 miles south-south-east of ECK to Fort Wayne, Fort Wayne, IN (FWA) to Covington/Cincinnati, Covington, KY (CVG) to 50 miles south-south-west of Adders, Decatur, IL (AXC) to 50 miles west-north-west of Adders, Decatur, IL (AXC) to 50 miles west of Dubuque Regional, Dubuque, IA (DBQ) to 20 miles south of Minneapolis-St Paul International, Minneapolis, MN (MSP) to 50 miles southeast of Rhinelander-Oneida County, Rhinelander, WI (RHI)

Moderate ice between freezing level and flight level 200. Freezing level from the surface to 4,000 feet mean sea level. Conditions continuing beyond 2100Z ending 2100Z to 0000Z.

The freezing level ranges from the surface to 10,000 feet mean sea level across area.

Multiple freezing levels exist below 10,000 feet mean sea level within an area bounded by 50 miles north of Redwood Falls Municipal, Redwood Falls, MN (RWF) to 20 miles south-south-west of Minneapolis-St Paul International, Minneapolis, MN (MSP) to 40 miles northeast of Mason City Municipal, Mason City, IA (MCW) to 20 miles southeast of Pullman, Pullman, MI (PMM) to 40 miles northeast of Fort Wayne, Fort Wayne, IN (FWA) to Fort Wayne, Fort Wayne, IN (FWA) to Covington/Cincinnati, Covington, KY (CVG) to 40 miles southeast of Joliet Regional, Joliet, IL (JOT) to 30 miles north-north-west of IOW to 50 miles east-north-east of Vance Air Force Base, Enid, OK (END) to 20 miles east of LBL to 20 miles northwest of HLC to 40 miles east-north-east of Colorado Plains Regional, Akron, CO (AKO) to Western Nebraska Rgnl/William, Scottsbluff, NE (BFF) to 60 miles south of DPR to 50 miles north of Redwood Falls Municipal, Redwood Falls, MN (RWF).

Multiple freezing levels exist from 4,000 feet mean sea level to 8,000 feet mean sea level within an area bounded by 20 miles southeast of IRK to 20 miles north of FAM to 30 miles east of BWG to 50 miles southeast of LOZ to Choo Choo, Chattanooga, TN (GQO) to 50 miles west-south-west of Choo Choo, Chattanooga, TN (GQO) to 20 miles west of Memphis International,

Memphis, TN (MEM) to 40 miles north-north-east of Bill and Hillary Clinton Natio, Little Rock, AR (LIT) to 50 miles southeast of Springfield-Branson Regional, Springfield, MO (SGF) to 50 miles southwest of IRK to 20 miles southeast of IRK.

The freezing level is at the surface along a line from 50 miles southwest of ICT to 20 miles southeast of ICT to 30 miles north of Kansas City International, Kansas City, MO (MCI) to 20 miles west-south-west of Chicago O'Hare International, Chicago, IL (ORD) to 20 miles west-south-west of Gipper, Niles, MI (GIJ) to 20 miles south of Fort Wayne, Fort Wayne, IN (FWA). The freezing level is at 4,000 feet mean sea level along a line from 40 miles south-south-east of ICT to 40 miles west of Butler Memorial, Butler, MO (BUM) to 20 miles northeast of Butler Memorial, Butler, MO (BUM) to 30 miles southwest of COU to 50 miles south-south-west of Pocket City, Evansville, IN (PXV) to 40 miles east-north-east of LOZ to 30 miles north of HMV.

AIRMET issued by the Aviation Weather Center Kansas City, Missouri on the 25th at 1445Z.

Chicago Forecast Area AIRMET Zulu prepared on the 25th at 1445Z.

AIRMET Zulu update 2 for Ice and freezing level valid until the 25th at 2100Z.

AIRMET Ice...Iowa Minnesota Nebraska South Dakota

From 40 miles west-south-west of DPR to 20 miles south of Minneapolis-St Paul International, Minneapolis, MN (MSP) to 50 miles west of Dubuque Regional, Dubuque, IA (DBQ) to ONL to 70 miles southeast of Rapid City Regional, Rapid City, SD (RAP) to 40 miles west-south-west of DPR

Moderate ice between freezing level and 16,000 feet. Freezing level from the surface to 5,000 feet mean sea level. Conditions continuing beyond 2100Z ending 2100Z to 0000Z.

The freezing level ranges from the surface to 10,000 feet mean sea level across area.

Multiple freezing levels exist below 10,000 feet mean sea level within an area bounded by 50 miles north of Redwood Falls Municipal, Redwood Falls, MN (RWF) to 20 miles south-south-west of Minneapolis-St Paul International, Minneapolis, MN (MSP) to 40 miles northeast of Mason City Municipal, Mason City, IA (MCW) to 20 miles southeast of Pullman, Pullman, MI (PMM) to 40 miles northeast of Fort Wayne, Fort Wayne, IN (FWA) to Fort Wayne, Fort Wayne, IN (FWA) to Covington/Cincinnati, Covington, KY (CVG) to 40 miles southeast of Joliet Regional, Joliet, IL (JOT) to 30 miles north-north-west of IOW to 50 miles east-north-east of Vance Air Force Base, Enid, OK (END) to 20 miles east of LBL to 20 miles northwest of HLC to 40 miles east-north-east of Colorado Plains Regional, Akron, CO (AKO) to Western Nebraska Rgnl/William, Scottsbluff, NE (BFF) to 60 miles south of DPR to 50 miles north of Redwood Falls Municipal, Redwood Falls, MN (RWF).

Multiple freezing levels exist from 4,000 feet mean sea level to 8,000 feet mean sea level within an area bounded by 20 miles southeast of IRK to 20 miles north of FAM to 30 miles east of BWG to 50 miles southeast of LOZ to Choo Choo, Chattanooga, TN (GQO) to 50 miles west-south-west of Choo Choo, Chattanooga, TN (GQO) to 20 miles west of Memphis International, Memphis, TN (MEM) to 40 miles north-north-east of Bill and Hillary Clinton Natio, Little Rock, AR (LIT) to 50 miles southeast of Springfield-Branson Regional, Springfield, MO (SGF) to 50 miles southwest of IRK to 20 miles southeast of IRK.

The freezing level is at the surface along a line from 50 miles southwest of ICT to 20 miles southeast of ICT to 30 miles north of Kansas City International, Kansas City, MO (MCI) to 20 miles west-south-west of Chicago O'Hare International, Chicago, IL (ORD) to 20 miles west-south-west of Gipper, Niles, MI (GIJ) to 20 miles south of Fort Wayne, Fort Wayne, IN (FWA). The freezing level is at 4,000 feet mean sea level along a line from 40 miles south-south-east of

ICT to 40 miles west of Butler Memorial, Butler, MO (BUM) to 20 miles northeast of Butler Memorial, Butler, MO (BUM) to 30 miles southwest of COU to 50 miles south-south-west of Pocket City, Evansville, IN (PXV) to 40 miles east-north-east of LOZ to 30 miles north of HMV.

AIRMET issued by the Aviation Weather Center Kansas City, Missouri on the 25th at 1445Z.

Chicago Forecast Area AIRMET Zulu prepared on the 25th at 1445Z.

AIRMET Zulu update 2 for Ice and freezing level valid until the 25th at 2100Z.

Outlook valid 2100Z to 0300Z

AREA 2... Ice Indiana Lake Huron Lake Michigan Lake Superior Michigan Minnesota North Dakota South Dakota Wisconsin

Bounded by 70 miles west-north-west of INL to 70 miles west-north-west of Thunder Bay (YQT) to Thunder Bay (YQT) to SSM to 60 miles northwest of Wiarton (YVV) to 30 miles east of ECK to Fort Wayne, Fort Wayne, IN (FWA) to 20 miles north of Chippewa Valley Regional, Eau Claire, WI (EAU) to 30 miles south of Minneapolis-St Paul International, Minneapolis, MN (MSP) to 60 miles south-south-east of Aberdeen Regional, Aberdeen, SD (ABR) to 30 miles east-south-east of DPR to 80 miles southwest of DIK to 50 miles north-north-west of ISN to 60 miles northwest of Minot International, Minot, ND (MOT) to 70 miles west-north-west of INL Moderate ice below 13,000 feet. Conditions continuing through 0300Z.

AIRMET issued by the Aviation Weather Center Kansas City, Missouri on the 25th at 1445Z.

Chicago Forecast Area AIRMET Tango prepared on the 25th at 1445Z.

AIRMET Tango update 2 for Turbulence valid until the 25th at 2100Z.

AIRMET Turbulence...Iowa Illinois Indiana Kentucky Lake Michigan Michigan Minnesota Missouri North Dakota Nebraska South Dakota Wisconsin

From Grand Forks International, Grand Forks, ND (GFK) to 30 miles north-north-east of GRB to Detroit, Detroit, MI (DXO) to Fort Wayne, Fort Wayne, IN (FWA) to Covington/Cincinnati, Covington, KY (CVG) to Henderson, Henderson, WV (HNN) to HMV to 60 miles east-south-east of BWG to 40 miles south-south-west of FAM to 40 miles west-south-west of Des Moines International, Des Moines, IA (DSM) to 50 miles west of DPR to 40 miles southwest of Minot International, Minot, ND (MOT) to Grand Forks International, Grand Forks, ND (GFK) Moderate turbulence between 16,000 feet and flight level 360. Conditions continuing beyond 2100Z through 0300Z.

AIRMET issued by the Aviation Weather Center Kansas City, Missouri on the 25th at 1445Z.

Chicago Forecast Area AIRMET Tango prepared on the 25th at 1445Z.

AIRMET Tango update 2 for Turbulence valid until the 25th at 2100Z.

AIRMET Turbulence...Iowa Illinois Indiana Kentucky Lake Michigan Michigan Minnesota Missouri North Dakota Nebraska South Dakota Wisconsin

From Grand Forks International, Grand Forks, ND (GFK) to 30 miles north-north-east of GRB to Detroit, Detroit, MI (DXO) to Fort Wayne, Fort Wayne, IN (FWA) to Covington/Cincinnati, Covington, KY (CVG) to Henderson, Henderson, WV (HNN) to HMV to 60 miles east-south-east of BWG to 40 miles south-south-west of FAM to 40 miles west-south-west of Des Moines International, Des Moines, IA (DSM) to 50 miles west of DPR to 40 miles southwest of Minot International, Minot, ND (MOT) to Grand Forks International, Grand Forks, ND (GFK) Moderate turbulence between 16,000 feet and flight level 360. Conditions continuing beyond 2100Z through 0300Z.

AIRMET issued by the Aviation Weather Center Kansas City, Missouri on the 25th at 1445Z.
Chicago Forecast Area AIRMET Tango prepared on the 25th at 1445Z.
AIRMET Tango update 2 for Turbulence valid until the 25th at 2100Z.
Outlook valid 2100Z to 0300Z... Turbulence Iowa Illinois Indiana Kentucky Lake Huron Lake Michigan Lake Superior Michigan Minnesota North Dakota South Dakota Wisconsin
Bounded by 70 miles northeast of Minot International, Minot, ND (MOT) to 60 miles south-south-east of Winnipeg/James A. Richardson (YWG) to 60 miles west of Sawyer International, Marquette, MI (SAW) to 30 miles southeast of Cherry Capital, Traverse City, MI (TVC) to 50 miles southeast of au Sable, Oscoda, MI (ASP) to 20 miles east-south-east of ECK to Fort Wayne, Fort Wayne, IN (FWA) to Covington/Cincinnati, Covington, KY (CVG) to Henderson, Henderson, WV (HNN) to HMV to 50 miles south-south-west of Terre Haute, Terre Haute, IN (TTH) to 20 miles west of Dubuque Regional, Dubuque, IA (DBQ) to 40 miles west of Aberdeen Regional, Aberdeen, SD (ABR) to 40 miles west of Minot International, Minot, ND (MOT) to 70 miles northeast of Minot International, Minot, ND (MOT)
Moderate turbulence between flight level 180 and 360. Conditions continuing through 0300Z.

***** Center Weather Advisory *****

No current Center Weather Advisory data for this briefing.

***** Severe Weather *****

No current Severe Weather data for this briefing.

***** UAS Operating Areas *****

UAS Operating Area (UOA). This section of the briefing contains UAS Operating Areas filed on the Leidos Pilot Web Portal and UAS operations issued via NOTAM. All published NOTAMs are available in the Notices to Airmen Publication (NTAP). Altitude filtering is applied to UOAs in this section of the briefing. All UOAs within 10nm of the departure, destination or alternates are shown; an en-route UOA is only shown where the flight plan altitude is within 2,000ft of the UOA's altitude range.

UAS Operating Area DEFINED AS 0.5NM RADIUS OF 425057N0881846W (4.1NM NE 57C)
SFC-400FT AGL WED SR-SS 1811141244-1911132232.

***** Surface Observations *****

METAR KGRR 251553Z Gerald R Ford International, Grand Rapids, MI (KGRR). Dec 25, 1553Z. Light Snow, Wind from 170° at 7 knots, 7 statute miles visibility, Ceiling is Overcast at 3,600 feet, Temperature -1° C, Dewpoint -6° C, Altimeter is 30.31. Remarks: automated station with precipitation discriminator snow began 48 minutes past the hour sea level pressure 1027.4 hectopascals less than 0.01 inches precipitation (water equivalent) in past hour hourly temp -1.1° C dewpoint -6.1° C

METAR KY70 251556Z AUTO Ionia County, Ionia, MI (KY70). Dec 25, 1556Z, Automated. Wind from 160° at 8 knots, 10 statute miles visibility, Ceiling is Overcast at 3,900 feet,

Temperature -1°C, Dewpoint -6°C, Altimeter is 30.31. Remarks: automated station with precipitation discriminator hourly temp -1.5°C dewpoint -6.4°C

METAR KBIV 251553Z AUTO West Michigan Regional, Holland, MI (KBIV). Dec 25, 1553Z, Automated. Wind from 130° at 9 knots, 10 statute miles visibility, Ceiling is Broken at 4,400 feet, Overcast at 5,500 feet, Temperature -1°C, Dewpoint -6°C, Altimeter is 30.29. Remarks: automated station with precipitation discriminator sea level pressure 1026.6 hectopascals hourly temp -0.6°C dewpoint -5.6°C

SPECI KMKG 251604Z Special, Muskegon County, Muskegon, MI (KMKG). Dec 25, 1604Z. Light Snow, Wind from 120° at 6 knots, 1 and 1/4 statute miles visibility, runway 32 visual range 5,000 feet variable greater than 6,000 feet, Ceiling is Overcast at 3,200 feet, Temperature -1°C, Dewpoint -6°C, Altimeter is 30.30. Remarks: automated station with precipitation discriminator tower visibility 2 1/2 statute miles less than 0.01 inches precipitation (water equivalent) in past hour hourly temp -1.1°C dewpoint -5.6°C \$

METAR KRAC 251553Z AUTO Batten International, Racine, WI (KRAC). Dec 25, 1553Z, Automated. Wind from 230° at 5 knots, 10 statute miles visibility, Few clouds at 4,500 feet, Ceiling is Broken at 8,500 feet, Temperature 2°C, Dewpoint -2°C, Altimeter is 30.27. Remarks: automated station with precipitation discriminator sea level pressure 1025.9 hectopascals hourly temp 2.2°C dewpoint -1.7°C \$

METAR KMKE 251552Z General Mitchell International, Milwaukee, WI (KMKE). Dec 25, 1552Z. Haze, Wind is Calm, 4 statute miles visibility, Scattered Clouds at 6,000 feet, Ceiling is Broken at 8,500 feet, Temperature 2°C, Dewpoint -1°C, Altimeter is 30.26. Remarks: automated station with precipitation discriminator sea level pressure 1025.6 hectopascals hourly temp 1.7°C dewpoint -1.1°C

METAR KMWC 251545Z Lawrence J Timmerman, Milwaukee, WI (KMWC). Dec 25, 1545Z. Mist, Wind is Calm, 4 statute miles visibility, Ceiling is Overcast at 7,500 feet, Temperature -1°C, Dewpoint -3°C, Altimeter is 30.27.

METAR KETB 251555Z AUTO West Bend Municipal, West Bend, WI (KETB). Dec 25, 1555Z, Automated. Light Snow, Wind is Calm, 3 statute miles visibility, Ceiling is Overcast at 2,200 feet, Temperature -2°C, Dewpoint -2°C, Altimeter is 30.26. Remarks: automated station with precipitation discriminator

METAR KUES 251545Z Waukesha County, Waukesha, WI (KUES). Dec 25, 1545Z. Mist, Wind is Calm, 5 statute miles visibility, Ceiling is Overcast at 5,000 feet, Temperature -1°C, Dewpoint -3°C, Altimeter is 30.26.

METAR K57C 251555Z AUTO East Troy, East Troy, WI (K57C). Dec 25, 1555Z, Automated. Wind is Calm, 10 statute miles visibility, Scattered Clouds at 5,000 feet, Ceiling is Overcast at 9,500 feet, Temperature 0°C, Dewpoint -2°C, Altimeter is 30.25. Remarks: automated station with precipitation discriminator hourly temp 0.0°C dewpoint -2.5°C

METAR KRYV 251555Z AUTO Watertown Municipal, Watertown, WI (KRYV). Dec 25, 1555Z, Automated. Wind from 140° at 3 knots, 10 statute miles visibility, Ceiling is Overcast at 6,500 feet, Temperature 0°C, Dewpoint -2°C, Altimeter is 30.25. Remarks: automated station with precipitation discriminator hourly temp -0.5°C dewpoint -1.7°C

METAR KUNU 251615Z AUTO Dodge County, Juneau, WI (KUNU). Dec 25, 1615Z, Automated. Light Snow, Wind is Calm, 2 and 1/2 statute miles visibility, Ceiling is Broken at 2,700 feet, Broken Clouds at 3,400 feet, Overcast at 4,000 feet, Temperature -1°C, Dewpoint -2°C, Altimeter is 30.26. Remarks: automated station with precipitation discriminator hourly temp -1.2°C dewpoint -2.1°C Thunderstorm Information not Available

METAR KMSN 251553Z Dane CO Rgnl-Truax Field, Madison, WI (KMSN). Dec 25, 1553Z. Wind is Calm, 7 statute miles visibility, Ceiling is Broken at 4,800 feet, Overcast at 6,000 feet, Temperature -2°C, Dewpoint -4°C, Altimeter is 30.25. Remarks: automated station with precipitation discriminator sea level pressure 1025.8 hectopascals hourly temp -1.7°C dewpoint -3.9°C

METAR KC29 251555Z AUTO Middleton Muni-Morey Field, Middleton, WI (KC29). Dec 25, 1555Z, Automated. Wind is Calm, 10 statute miles visibility, Ceiling is Overcast at 4,600 feet, Temperature -1°C, Dewpoint -3°C, Altimeter is 30.25. Remarks: automated station without precipitation discriminator hourly temp -1.3°C dewpoint -2.8°C

METAR KDLL 251555Z AUTO Baraboo-Wisconsin Dells Regional, Baraboo, WI (KDLL). Dec 25, 1555Z, Automated. Wind is Calm, 7 statute miles visibility, Ceiling is Broken at 4,200 feet, Overcast at 4,900 feet, Temperature -3°C, Dewpoint -3°C, Altimeter is 30.25. Remarks: automated station with precipitation discriminator hourly temp -2.7°C dewpoint -3.5°C

METAR KC35 251555Z AUTO Reedsburg Municipal, Reedsburg, WI (KC35). Dec 25, 1555Z, Automated. Wind is Calm, 10 statute miles visibility, Ceiling is Broken at 4,800 feet, Overcast at 8,000 feet, Temperature -3°C, Dewpoint -3°C, Altimeter is 30.25. Remarks: automated station with precipitation discriminator hourly temp -3.0°C dewpoint -3.2°C

METAR KLNR 251556Z AUTO Tri-County Regional, Lone Rock, WI (KLNR). Dec 25, 1556Z, Automated. Wind is Calm, 10 statute miles visibility, Ceiling is Overcast at 3,800 feet, Temperature -2°C, Dewpoint -4°C, Altimeter is 30.26. Remarks: automated station with precipitation discriminator sea level pressure 1025.4 hectopascals hourly temp -2.2°C dewpoint -3.9°C

METAR KMRJ 251555Z AUTO Iowa County, Mineral Point, WI (KMRJ). Dec 25, 1555Z, Automated. Wind from 200° at 3 knots, 10 statute miles visibility, Ceiling is Overcast at 5,000 feet, Temperature 0°C, Dewpoint 0°C, Altimeter is 30.23. Remarks:

automated station with precipitation discriminator

METAR KOVS 251553Z AUTO Boscobel, Boscobel, WI (KOV5). Dec 25, 1553Z, Automated. Wind from 030°; at 4 knots, 10 statute miles visibility, Few clouds at 2,600 feet, Scattered Clouds at 4,200 feet, Ceiling is Overcast at 5,000 feet, Temperature -1°C, Dewpoint -4°C, Altimeter is 30.27. Remarks: automated station with precipitation discriminator sea level pressure 1025.9 hectopascals hourly temp -1.1°C dewpoint -3.9°C

METAR KY51 251555Z AUTO Viroqua Municipal, Viroqua, WI (KY51). Dec 25, 1555Z, Automated. Wind is Calm, 10 statute miles visibility, Temperature -3°C, Dewpoint -3°C, Altimeter is 30.22. Remarks: automated station without precipitation discriminator hourly temp -2.7°C dewpoint -2.7°C

METAR KPDC 251555Z AUTO Prairie du Chien Municipal, Prairie du Chien, WI (KPDC). Dec 25, 1555Z, Automated. Wind is Calm, 10 statute miles visibility, Ceiling is Overcast at 3,700 feet, Temperature -1°C, Dewpoint -4°C, Altimeter is 30.26. Remarks: automated station with precipitation discriminator hourly temp -1.0°C dewpoint -3.6°C

METAR KDEH 251555Z AUTO Decorah Municipal, Decorah, IA (KDEH). Dec 25, 1555Z, Automated. Wind is Calm, 10 statute miles visibility, Ceiling is Overcast at 3,300 feet, Temperature -1°C, Dewpoint -1°C, Altimeter is 30.21. Remarks: automated station with precipitation discriminator

METAR KFKA 251555Z AUTO Fillmore County, Preston, MN (KFKA). Dec 25, 1555Z, Automated. Wind is Calm, 10 statute miles visibility, Ceiling is Overcast at 2,800 feet, Temperature -2°C, Dewpoint -4°C, Altimeter is 30.22. Remarks: automated station with precipitation discriminator hourly temp -2.5°C dewpoint -4.1°C

METAR KCCY 251555Z AUTO Northeast Iowa Regional, Charles City, IA (KCCY). Dec 25, 1555Z, Automated. Wind from 190°; at 5 knots, 10 statute miles visibility, Ceiling is Overcast at 3,000 feet, Temperature 1°C, Dewpoint -2°C, Altimeter is 30.22. Remarks: automated station with precipitation discriminator

METAR KAUM 251556Z AUTO Austin Municipal, Austin, MN (KAUM). Dec 25, 1556Z, Automated. Wind is Calm, 10 statute miles visibility, Ceiling is Overcast at 2,200 feet, Temperature -1°C, Dewpoint -3°C, Altimeter is 30.20. Remarks: automated station with precipitation discriminator

METAR KMCW 251553Z AUTO Mason City Municipal, Mason City, IA (KMCW). Dec 25, 1553Z, Automated. Wind is Calm, 10 statute miles visibility, Ceiling is Overcast at 2,600 feet, Temperature 1°C, Dewpoint -1°C, Altimeter is 30.22. Remarks: automated station with precipitation discriminator sea level pressure 1024.2 hectopascals hourly temp 1.1°C dewpoint -1.1°C

METAR KAEL 251557Z AUTO Albert Lea Municipal, Albert Lea, MN (KAEL). Dec 25, 1557Z, Automated. Wind is Calm, 10 statute miles visibility, Ceiling is Overcast at 2,100 feet,

Temperature -1°C, Dewpoint -2°C, Altimeter is 30.20. Remarks: automated station with precipitation discriminator

METAR KFXV 251555Z AUTO Forest City Municipal, Forest City, IA (KFXV). Dec 25, 1555Z, Automated. Wind from 210° at 3 knots, 10 statute miles visibility, Ceiling is Overcast at 2,500 feet, Temperature 1°C, Dewpoint 0°C, Altimeter is 30.21. Remarks: automated station with precipitation discriminator

METAR KAXA 251555Z AUTO Algona Municipal, Algona, IA (KAXA). Dec 25, 1555Z, Automated. Wind from 220° at 3 knots, 10 statute miles visibility, Ceiling is Overcast at 2,400 feet, Temperature 0°C, Dewpoint 0°C, Altimeter is 30.20. Remarks: automated station with precipitation discriminator PWINO

SPECI KFRM 251602Z AUTO Special, Fairmont Municipal, Fairmont, MN (KFRM). Dec 25, 1602Z, Automated. Freezing Fog, Wind from 330° at 3 knots, 1/2 statute mile visibility, Ceiling is Overcast at 200 feet, Temperature -3°C, Dewpoint -4°C, Altimeter is 30.22. Remarks: automated station with precipitation discriminator Freezing Rain Sensor out of service

METAR KEST 251552Z AUTO Estherville Municipal, Estherville, IA (KEST). Dec 25, 1552Z, Automated. Wind is Calm, 10 statute miles visibility, Ceiling is Overcast at 1,100 feet, Temperature -2°C, Dewpoint -3°C, Altimeter is 30.20. Remarks: automated station with precipitation discriminator sea level pressure 1024.4 hectopascals hourly temp -2.2°C dewpoint -3.3°C

METAR KMJQ 251555Z AUTO Jackson Municipal, Jackson, MN (KMJQ). Dec 25, 1555Z, Automated. Mist, Wind from 010° at 3 knots, 1 statute mile visibility, Ceiling is Overcast at 100 feet, Temperature -3°C, Dewpoint -3°C, Altimeter is 30.20. Remarks: automated station with precipitation discriminator

METAR KSPW 251553Z AUTO Spencer Muni., Spencer, IA (KSPW). Dec 25, 1553Z, Automated. Wind is Calm, 9 statute miles visibility, Ceiling is Overcast at 600 feet, Temperature -1°C, Dewpoint -2°C, Altimeter is 30.20. Remarks: automated station with precipitation discriminator sea level pressure 1024.4 hectopascals hourly temp -0.6°C dewpoint -2.2°C

METAR KOTG 251556Z AUTO Worthington Municipal, Worthington, MN (KOTG). Dec 25, 1556Z, Automated. Mist, Wind from 060° at 5 knots, 3/4 statute mile visibility, Ceiling is Overcast at 300 feet, Temperature -2°C, Dewpoint -3°C, Altimeter is 30.20. Remarks: automated station with precipitation discriminator unknown precipitation began 4 minutes past the hour ended 7 minutes past the hour began 23 minutes past the hour ended 33 minutes past the hour snow ended 4 minutes past the hour began 7 minutes past the hour ended 23 minutes past the hour began 33 minutes past the hour ended 52 minutes past the hour sea level pressure 1025.3 hectopascals less than 0.01 inches precipitation (water equivalent) in past hour hourly temp -2.2°C dewpoint -3.3°C Freezing Rain Sensor out of service

METAR KSHL 251555Z AUTO Sheldon Regional, Sheldon, IA (KSHL). Dec 25, 1555Z, Automated. Freezing Fog, Wind from 100°; at 4 knots, less than 1/4 statute mile visibility, Ceiling is Overcast at 200 feet, Temperature -2°C, Dewpoint -2°C, Altimeter is 30.17. Remarks: automated station with precipitation discriminator

METAR KLYV 251555Z AUTO Quentin Aanenson Field, Luverne, MN (KLYV). Dec 25, 1555Z, Automated. Mist, Wind from 040°; at 3 knots, 1 and 3/4 statute miles visibility, Ceiling is Overcast at 400 feet, Temperature -2°C, Dewpoint -2°C, Altimeter is 30.20. Remarks: automated station with precipitation discriminator

SPECI KFSD 251602Z Special, Joe Foss Field, Sioux Falls, SD (KFSD). Dec 25, 1602Z. Mist, Wind from 060°; at 5 knots, 2 and 1/2 statute miles visibility, Ceiling is Overcast at 300 feet, Temperature -2°C, Dewpoint -2°C, Altimeter is 30.19. Remarks: automated station with precipitation discriminator hourly temp -1.7°C dewpoint -2.2°C

SPECI KFSD 251602Z Special, Joe Foss Field, Sioux Falls, SD (KFSD). Dec 25, 1602Z. Mist, Wind from 060°; at 5 knots, 2 and 1/2 statute miles visibility, Ceiling is Overcast at 300 feet, Temperature -2°C, Dewpoint -2°C, Altimeter is 30.19. Remarks: automated station with precipitation discriminator hourly temp -1.7°C dewpoint -2.2°C

METAR KOMA 251552Z Eppley Airfield, Omaha, NE (KOMA). Dec 25, 1552Z. Wind from 140°; at 3 knots, 10 statute miles visibility, Ceiling is Overcast at 3,000 feet, Temperature 3°C, Dewpoint 1°C, Altimeter is 30.21. Remarks: automated station with precipitation discriminator sea level pressure 1023.7 hectopascals hourly temp 3.3°C dewpoint 1.1°C

***** Pilot Reports *****

Over MKE, 270°; radial at 10 nautical miles, Time: 1508Z, Altitude: 10,000 feet, A/C Type: EMBRAER 175-long-wing, Sky Condition: 063OVC100, Icing: Negative

Over Mason City Municipal, Mason City, IA (MCW), Time: 1509Z, Altitude: 4,400 feet, A/C Type: CESSNA 208 Caravan 1, Sky Condition: Unknown clouds at 3,900 feet, tops at 4,400 feet, Temperature: Unknown, Icing: Negative, Remarks: During descent

Over Joe Foss Field, Sioux Falls, SD (FSD), 180°; radial at 10 nautical miles, Time: 1535Z, Altitude: 2,800 feet, A/C Type: PILATUS Eagle, Sky Condition: Overcast clouds at 1,700 feet tops 2,800 feet, Temperature: -1°C, Icing: Trace rime

***** Synopsis/Surface Analysis *****

Surface Analysis Chart -

https://www.1800wxbrief.com/Website/Weather/wx_data/wx_charts/SfcAnal_CONUS_REG_201812251415_201812251500_201812251800_839374.png

***** Area Forecast *****

No current Area Forecast data for this briefing.

***** Cloud Coverage *****

Cloud Coverage - Northeast 1800z -

https://www.1800wxbrief.com/Website/Weather/wx_data/wx_charts/GFA_CC_NE_03_201812251800_REG_201812251500_201812251800_201812252100_000003.png

Cloud Coverage - Northeast 2100z -

https://www.1800wxbrief.com/Website/Weather/wx_data/wx_charts/GFA_CC_NE_06_201812252100_REG_201812251500_201812251800_201812252100_000006.png

Cloud Coverage - Northeast 0000z -

https://www.1800wxbrief.com/Website/Weather/wx_data/wx_charts/GFA_CC_NE_09_201812260000_REG_201812251500_201812251800_201812252100_000009.png

Cloud Coverage - Northcentral 1800z -

https://www.1800wxbrief.com/Website/Weather/wx_data/wx_charts/GFA_CC_NC_03_201812251800_REG_201812251500_201812251800_201812252100_000003.png

Cloud Coverage - Northcentral 2100z -

https://www.1800wxbrief.com/Website/Weather/wx_data/wx_charts/GFA_CC_NC_06_201812252100_REG_201812251500_201812251800_201812252100_000006.png

Cloud Coverage - Northcentral 0000z -

https://www.1800wxbrief.com/Website/Weather/wx_data/wx_charts/GFA_CC_NC_09_201812260000_REG_201812251500_201812251800_201812252100_000009.png

Cloud Coverage - Central 1800z -

https://www.1800wxbrief.com/Website/Weather/wx_data/wx_charts/GFA_CC_C_03_201812251800_REG_201812251500_201812251800_201812252100_000003.png

Cloud Coverage - Central 2100z -

https://www.1800wxbrief.com/Website/Weather/wx_data/wx_charts/GFA_CC_C_06_201812252100_REG_201812251500_201812251800_201812252100_000006.png

Cloud Coverage - Central 0000z -

https://www.1800wxbrief.com/Website/Weather/wx_data/wx_charts/GFA_CC_C_09_201812260000_REG_201812251500_201812251800_201812252100_000009.png

Cloud Coverage - CONUS 1800z -

https://www.1800wxbrief.com/Website/Weather/wx_data/wx_charts/GFA_CC_US_03_201812251800_REG_201812251500_201812251800_201812252100_000003.png

Cloud Coverage - CONUS 2100z -

https://www.1800wxbrief.com/Website/Weather/wx_data/wx_charts/GFA_CC_US_06_201812252100_REG_201812251500_201812251800_201812252100_000006.png

Cloud Coverage - CONUS 0000z -

https://www.1800wxbrief.com/Website/Weather/wx_data/wx_charts/GFA_CC_US_09_201812260000_REG_201812251500_201812251800_201812252100_000009.png

***** Vis, Sfc Winds & Precip *****

Vis, Sfc Winds & Precip - Northeast 1800z -

https://www.1800wxbrief.com/Website/Weather/wx_data/wx_charts/GFA_VIS_NE_03_201812251800_REG_201812251500_201812251800_201812252100_000003.png

Vis, Sfc Winds & Precip - Northeast 2100z -

https://www.1800wxbrief.com/Website/Weather/wx_data/wx_charts/GFA_VIS_NE_06_201812252100_REG_201812251500_201812251800_201812252100_000006.png

Vis, Sfc Winds & Precip - Northeast 0000z -

https://www.1800wxbrief.com/Website/Weather/wx_data/wx_charts/GFA_VIS_NE_09_201812260000_REG_201812251500_201812251800_201812252100_000009.png

Vis, Sfc Winds & Precip - Northcentral 1800z -

https://www.1800wxbrief.com/Website/Weather/wx_data/wx_charts/GFA_VIS_NC_03_201812251800_REG_201812251500_201812251800_201812252100_000003.png

Vis, Sfc Winds & Precip - Northcentral 2100z -

https://www.1800wxbrief.com/Website/Weather/wx_data/wx_charts/GFA_VIS_NC_06_201812252100_REG_201812251500_201812251800_201812252100_000006.png

Vis, Sfc Winds & Precip - Northcentral 0000z -

https://www.1800wxbrief.com/Website/Weather/wx_data/wx_charts/GFA_VIS_NC_09_201812260000_REG_201812251500_201812251800_201812252100_000009.png

Vis, Sfc Winds & Precip - Central 1800z -

https://www.1800wxbrief.com/Website/Weather/wx_data/wx_charts/GFA_VIS_C_03_201812251800_REG_201812251500_201812251800_201812252100_000003.png

Vis, Sfc Winds & Precip - Central 2100z -

https://www.1800wxbrief.com/Website/Weather/wx_data/wx_charts/GFA_VIS_C_06_201812252100_REG_201812251500_201812251800_201812252100_000006.png

Vis, Sfc Winds & Precip - Central 0000z -

https://www.1800wxbrief.com/Website/Weather/wx_data/wx_charts/GFA_VIS_C_09_201812260000_REG_201812251500_201812251800_201812252100_000009.png

Vis, Sfc Winds & Precip - CONUS 1800z -

https://www.1800wxbrief.com/Website/Weather/wx_data/wx_charts/GFA_VIS_US_03_201812251800_REG_201812251500_201812251800_201812252100_000003.png

Vis, Sfc Winds & Precip - CONUS 2100z -

https://www.1800wxbrief.com/Website/Weather/wx_data/wx_charts/GFA_VIS_US_06_201812252100_REG_201812251500_201812251800_201812252100_000006.png

Vis, Sfc Winds & Precip - CONUS 0000z -

https://www.1800wxbrief.com/Website/Weather/wx_data/wx_charts/GFA_VIS_US_09_201812260000_REG_201812251500_201812251800_201812252100_000009.png

***** Terminal Forecasts *****

TAF nearest departure: KGRR

Gerald R Ford International, Grand Rapids, MI (KGRR). Issued Dec 25, 1125Z, valid from Dec 25, 1200Z until Dec 26, 1200Z, Wind from 150° at 5 knots, greater than 6 statute miles visibility, Few clouds at 3,500 feet, Ceiling is Broken at 9,000 feet

From Dec 25, 1400Z, Wind from 140° at 4 knots, greater than 6 statute miles visibility,

Ceiling is Overcast at 3,500 feet

From Dec 25, 1800Z, Wind from 180°; at 6 knots, 4 statute miles visibility, Light Showers Snow and Mist, Ceiling is Overcast at 2,500 feet

From Dec 25, 2000Z, Wind from 220°; at 4 knots, 4 statute miles visibility, Mist and Showers in the Vicinity, Ceiling is Broken at 1,500 feet

From Dec 25, 2200Z, Wind from 230°; at 3 knots, greater than 6 statute miles visibility, Ceiling is Overcast at 2,500 feet.

Muskegon County, Muskegon, MI (KMGK). Amended Dec 25, 1601Z, valid from Dec 25, 1600Z until Dec 26, 1200Z, Wind from 120°; at 6 knots, 4 statute miles visibility, Light Showers Snow and Mist, Ceiling is Overcast at 3,500 feet

Temporary between Dec 25, 1600Z and Dec 25, 1800Z, 2 statute miles visibility, Light Showers Snow, Ceiling is Overcast at 2,500 feet

From Dec 25, 2000Z, Wind from 190°; at 3 knots, 4 statute miles visibility, Mist and Showers in the Vicinity, Ceiling is Broken at 1,500 feet

From Dec 26, 0000Z, Wind from 200°; at 3 knots, greater than 6 statute miles visibility, Ceiling is Overcast at 1,500 feet.

General Mitchell International, Milwaukee, WI (KMKE). Amended Dec 25, 1550Z, valid from Dec 25, 1600Z until Dec 26, 1800Z, Wind from 310°; at 3 knots, greater than 6 statute miles visibility, Ceiling is Overcast at 9,000 feet

Temporary between Dec 25, 1600Z and Dec 25, 1800Z, 4 statute miles visibility, Mist

From Dec 26, 0800Z, Wind is variable at 3 knots, greater than 6 statute miles visibility, Scattered Clouds at 1,800 feet, Ceiling is Broken at 2,700 feet

From Dec 26, 1400Z, Wind from 080°; at 5 knots, greater than 6 statute miles visibility, Ceiling is Broken at 3,500 feet.

Waukesha County, Waukesha, WI (KUES). Amended Dec 25, 1550Z, valid from Dec 25, 1600Z until Dec 26, 1200Z, Wind is Calm, greater than 6 statute miles visibility, Scattered Clouds at 5,000 feet, Ceiling is Overcast at 7,000 feet

Temporary between Dec 25, 1600Z and Dec 25, 1800Z, 4 statute miles visibility, Mist

From Dec 26, 0600Z, Wind is Calm, greater than 6 statute miles visibility, Scattered Clouds at 1,800 feet, Ceiling is Broken at 2,500 feet.

Dane CO Rgnl-Truax Field, Madison, WI (KMSN). Amended Dec 25, 1550Z, valid from Dec 25, 1600Z until Dec 26, 1200Z, Wind is Calm, greater than 6 statute miles visibility, Ceiling is Broken at 6,000 feet, Broken Clouds at 9,000 feet, Overcast at 20,000 feet

From Dec 26, 0400Z, Wind is Calm, greater than 6 statute miles visibility, Ceiling is Broken at 2,800 feet

From Dec 26, 1000Z, Wind is Calm, greater than 6 statute miles visibility, Ceiling is Broken at 1,800 feet, Overcast at 2,500 feet.

Mason City Municipal, Mason City, IA (KMCW). Issued Dec 25, 1131Z, valid from Dec 25, 1200Z until Dec 26, 1200Z, Wind is variable at 3 knots, greater than 6 statute miles visibility, Ceiling is Overcast at 2,800 feet

From Dec 25, 1700Z, Wind is variable at 3 knots, greater than 6 statute miles visibility,

From Dec 26, 0300Z, Wind is variable at 3 knots, greater than 6 statute miles visibility, Ceiling is Overcast at 2,000 feet

From Dec 26, 0600Z, Wind from 080° at 6 knots, greater than 6 statute miles visibility, Ceiling is Overcast at 1,000 feet.

Joe Foss Field, Sioux Falls, SD (KFSD). Amended Dec 25, 1355Z, valid from Dec 25, 1400Z until Dec 26, 1200Z, Wind is variable at 3 knots, 3 statute miles visibility, Mist, Ceiling is Overcast at 500 feet

Temporary between Dec 25, 1400Z and Dec 25, 1500Z, 1 and 1/2 statute miles visibility, Light Freezing Drizzle and Snow, Ceiling is Broken at 400 feet

From Dec 25, 1700Z, Wind is variable at 3 knots, greater than 6 statute miles visibility, Ceiling is Broken at 600 feet

From Dec 25, 2000Z, Wind from 060° at 5 knots, greater than 6 statute miles visibility, Ceiling is Broken at 1,000 feet

From Dec 25, 2200Z, Wind from 070° at 5 knots, greater than 6 statute miles visibility, Ceiling is Broken at 6,000 feet

From Dec 26, 0700Z, Wind from 090° at 6 knots, greater than 6 statute miles visibility, Ceiling is Overcast at 2,500 feet.

Eppley Airfield, Omaha, NE (KOMA). Issued Dec 25, 1126Z, valid from Dec 25, 1200Z until Dec 26, 1200Z, Wind from 150° at 2 knots, greater than 6 statute miles visibility, Ceiling is Broken at 3,000 feet

From Dec 25, 1600Z, Wind from 150° at 4 knots, greater than 6 statute miles visibility, Scattered Clouds at 3,500 feet

From Dec 26, 0700Z, Wind from 100°; at 5 knots, 4 statute miles visibility, Mist, Ceiling is Overcast at 2,000 feet

From Dec 26, 1000Z, Wind from 100° at 7 knots, 1 and 1/2 statute miles visibility, Mist, Ceiling is Overcast at 800 feet.

***** Convective Outlook *****

No current Convective Outlook data for this briefing.

***** Winds Aloft Forecast *****

Filed-4k Filed-

2k Filed Filed+2k Filed+4k

Station	030	060	090	100	120	140	160	180	240	300	340
	390	450	530								

251800Z

1400-2100Z

MKG 240013 270021-06 280025-11 280026-13 280030-18 280036-22 280042-26 280049-30 280055-42 280057-52 280057-52 280057-49

JOT 250011 230013-06 260009-10 266011-11 280015-14 280021-18 280027-23 280033-28 280052-41 290087-50 290079-53 280069-51 280065-52 270041-57

GRB 240008 260012-07 280021-12 276022-14 270025-19 273031-23 276037-27 280043-

31 280046-43 290043-52 290052-52 280049-50 280042-51 280031-55
DBQ 250013 230014-06 270017-09 273020-11 280026-15 280030-19 280034-24 280039-
29 290064-39 290088-51 280079-54 280064-52 270058-52 280040-57
LSE 230006 260023-04 280021-11 280022-13 280026-17 280029-21 280032-25 280036-
30 280045-43 290070-50 290066-53 280052-51
MCW 250014 270012-02 290016-09 286019-11 280025-16 280028-20 280032-24
280036-29 290078-37 290087-52 280077-56 280064-52
FSD LGTVRB 260008-02 260018-09 260019-11 260023-16 266028-20 273033-24
280039-28 280070-36 280085-52 280078-58 270066-54

260000Z

2100-0600Z

MKG 270013 290027-06 280028-11 283029-13 290033-17 290037-21 290041-25 290045-
30 290063-40 290085-50 290075-53 280067-52
JOT 260007 290011-05 300017-08 296020-10 290028-14 290037-17 290046-21 290056-
25 290081-35 280089-51 280101-55 280087-55 280073-55 280047-59
GRB 250007 270014-07 290027-12 290029-14 290033-18 290035-22 290037-26 290040-
31 290040-40 290068-51 290067-54 280058-52 280050-52 280038-56
DBQ 260009 280011-03 300017-08 296020-10 290026-15 290035-18 290045-21 290055-
25 280075-36 280083-51 280094-56 280083-56 270067-55 280042-58
LSE 290010 290020-03 290027-10 286028-12 280030-16 280033-20 280037-24 280041-
29 290075-37 280085-51 280082-56 280068-53
MCW 270009 300008-02 290016-09 286019-11 280026-15 280035-18 280044-21
280053-25 280069-36 280077-51 280089-56 280077-56
FSD 090008 210006-02 260013-09 263017-10 270025-14 273032-17 276039-21 280047-
25 270058-36 270066-52 270085-56 270068-56

261200Z

0600-1800Z

MKG 280017 280029-04 290032-10 290033-11 290037-15 290045-18 290053-21 290062-
24 290072-37 290104-50 290109-56 280090-56
JOT 200006 240007-03 290015-07 290019-08 290029-12 290035-15 290041-19 290047-
23 280070-33 280092-49 280105-56 270093-59 270074-57 270051-61
GRB 300009 280027-04 290034-10 290035-12 290038-16 290046-19 290055-22 290064-
25 290072-37 290100-51 280105-57 280082-56 280064-54 280044-57
DBQ 190006 210010-02 260015-07 266018-08 280025-12 280031-15 280037-19 280043-
23 270063-34 270087-50 270104-56 270089-59 270070-56 270047-60
LSE LGTVRB 260010-03 270020-09 273024-10 280033-14 280037-17 280042-20
280047-24 280072-35 270091-51 270109-58 270090-59
MCW 150005 210015-01 240017-07 243018-08 250021-12 256026-15 263031-19
270037-23 260057-34 260082-51 260101-57 260087-59
FSD 140019 200016-01 210014-06 216016-08 230020-12 236024-15 243028-18 250033-
22 250055-34 240076-51 250091-58 260085-59

***** All Apron NOTAMs *****

All published NOTAMs are available in the Notices to Airmen Publication (NTAP).

!GRR 12/373 Gerald R Ford International, Grand Rapids, MI (KGRR) Apron air carrier apron field condition 1/8 inch dry snow observed at Dec 25, 2018 1602Z. Dec 25, 2018 1602Z to Dec 26, 2018 1602Z

!MKG 12/129 Muskegon County, Muskegon, MI (KMKG) Apron all field condition 1/8 inch dry snow observed at Dec 25, 2018 1612Z. Dec 25, 2018 1612Z to Dec 26, 2018 1612Z

!MKE 12/126 General Mitchell International, Milwaukee, WI (KMKE) Apron all field condition 1/8 inch dry snow observed at Dec 25, 2018 1049Z. Dec 25, 2018 1049Z to Dec 26, 2018 1049Z

!MWC 12/030 Lawrence J Timmerman, Milwaukee, WI (KMWC) Apron all field condition 1/8 inch dry snow observed at Dec 25, 2018 1104Z. Dec 25, 2018 1104Z to Dec 26, 2018 1104Z

!MSN 12/112 Dane CO Rgnl-Truax Field, Madison, WI (KMSN) Apron all field condition 1/8 inch dry snow observed at Dec 25, 2018 1218Z. Dec 25, 2018 1218Z to Dec 26, 2018 1218Z

!MSN 12/102 Dane CO Rgnl-Truax Field, Madison, WI (KMSN) Apron east ramp TXL north of taxiway C closed Dec 26, 2018 1130Z to Dec 26, 2018 1700Z

!DLL 12/036 Baraboo-Wisconsin Dells Regional, Baraboo, WI (KDLL) Apron all field condition 1/4 inch dry snow observed at Dec 25, 2018 1123Z. Dec 25, 2018 1123Z to Dec 26, 2018 1123Z

!PNM 12/126 Houston County, Caledonia, MN (KCHU) Apron all field condition 1 inch wet snow observed at Dec 25, 2018 1404Z. Dec 25, 2018 1404Z to Dec 26, 2018 1404Z

***** All Taxiway NOTAMs *****

All published NOTAMs are available in the Notices to Airmen Publication (NTAP).

!GRR 12/372 Gerald R Ford International, Grand Rapids, MI (KGRR) Taxiway all field condition 1/8 inch dry snow observed at Dec 25, 2018 1601Z. Dec 25, 2018 1602Z to Dec 26, 2018 1602Z

!MKG 12/128 Muskegon County, Muskegon, MI (KMKG) Taxiway all field condition 1/8 inch dry snow observed at Dec 25, 2018 1611Z. Dec 25, 2018 1611Z to Dec 26, 2018 1611Z

!MKG 12/125 Muskegon County, Muskegon, MI (KMKG) Taxiway J light all out of service Dec 23, 2018 0319Z to Dec 26, 2018 1500Z

!MKG 12/124 Muskegon County, Muskegon, MI (KMKG) Taxiway H light all out of service Dec 23, 2018 0316Z to Dec 26, 2018 1500Z

!MKG 12/122 Muskegon County, Muskegon, MI (KMKG) Taxiway A light all between

approach end runway 06 and taxiway B out of service Dec 21, 2018 1220Z to Jan 04, 2019 2100Z

!MKE 12/127 General Mitchell International, Milwaukee, WI (KMKE) Taxiway all field condition 1/8 inch dry snow observed at Dec 25, 2018 1052Z. Dec 25, 2018 1052Z to Dec 26, 2018 1052Z

!MKE 12/121 General Mitchell International, Milwaukee, WI (KMKE) Taxiway R5 holding position sign south side for runway 01L/19R not lighted Dec 25, 2018 0833Z to Jan 01, 2019 2359Z

!MWC 12/031 Lawrence J Timmerman, Milwaukee, WI (KMWC) Taxiway all field condition 1/8 inch dry snow observed at Dec 25, 2018 1106Z. Dec 25, 2018 1106Z to Dec 26, 2018 1106Z

!MSN 12/111 Dane CO Rgnl-Truax Field, Madison, WI (KMSN) Taxiway all field condition 1/8 inch dry snow observed at Dec 25, 2018 1217Z. Dec 25, 2018 1217Z to Dec 26, 2018 1217Z

!MSN 11/126 Dane CO Rgnl-Truax Field, Madison, WI (KMSN) Taxiway B shoulder markings between taxiway J and runway 14/32 removed Nov 30, 2018 1248Z to Aug 30, 2019 2300Z

!MSN 11/125 Dane CO Rgnl-Truax Field, Madison, WI (KMSN) Taxiway C between runway 14/32 and east ramp work in progress adjacent north edge Nov 30, 2018 1248Z to Aug 30, 2019 2330Z

!MSN 10/105 Dane CO Rgnl-Truax Field, Madison, WI (KMSN) Taxiway K closed Oct 26, 2018 1230Z-permanent

!MSN 09/020 Dane CO Rgnl-Truax Field, Madison, WI (KMSN) Taxiway B2 decommissioned Sep 04, 2018 1647Z-permanent

!DLL 12/037 Baraboo-Wisconsin Dells Regional, Baraboo, WI (KDLL) Taxiway all field condition 1/4 inch dry snow observed at Dec 25, 2018 1124Z. Dec 25, 2018 1124Z to Dec 26, 2018 1124Z

!PNM 12/129 Houston County, Caledonia, MN (KCHU) Taxiway all field condition 1 inch wet snow observed at Dec 25, 2018 1406Z. Dec 25, 2018 1407Z to Dec 26, 2018 1407Z

!FSD 12/104 Joe Foss Field, Sioux Falls, SD (KFSD) Taxiway A holding position sign between runway 03/21 and taxiway L not lighted Dec 12, 2018 1045Z to Jan 01, 2019 2300Z

!OMA 12/323 Eppley Airfield, Omaha, NE (KOMA) Taxiway K holding position sign north side between runway 14R/32L and taxiway S light out of service Dec 25, 2018 1045Z to Jan 04, 2019 2359Z

***** All Runway NOTAMs *****

All published NOTAMs are available in the Notices to Airmen Publication (NTAP).

!GRR 12/375 Gerald R Ford International, Grand Rapids, MI (KGRR) Runway 17 field condition 5/5/5 80 PCT 1/8 inch dry snow observed at Dec 25, 2018 1612Z. Dec 25, 2018 1612Z to Dec 26, 2018 1612Z

!GRR 12/374 Gerald R Ford International, Grand Rapids, MI (KGRR) Runway 08 left field condition 25 PCT 1/8 inch dry snow observed at Dec 25, 2018 1608Z. Dec 25, 2018 1608Z to Dec 26, 2018 1608Z

!LAN 12/151 Hastings, Hastings, MI (K9D9) Runway 12/30 changed to 5,002 feet X 75 feet Dec 07, 2016 1401Z-permanent

!MKG 12/127 Muskegon County, Muskegon, MI (KMKG) Runway 32 field condition 5/5/5 10,000 feet PCT 1/8 inch dry snow observed at Dec 25, 2018 1605Z. Dec 25, 2018 1605Z to Dec 26, 2018 1605Z

!MKG 12/126 Muskegon County, Muskegon, MI (KMKG) Runway 24 field condition 5/5/5 10,000 feet PCT 1/8 inch dry snow observed at Dec 25, 2018 1604Z. Dec 25, 2018 1604Z to Dec 26, 2018 1604Z

!MKG 12/086 Muskegon County, Muskegon, MI (KMKG) Runway 14 runway end ID light out of service Dec 11, 2018 2151Z to Mar 29, 2019 2200Z

!RAC 12/026 Batten International, Racine, WI (KRAC) Runway 32 field condition 5/5/5 10,000 feet PCT 1/8 inch dry snow observed at Dec 25, 2018 1306Z. Condition not monitor Dec 25, 2018 2300Z to Dec 26, 2018 1300Z. Dec 25, 2018 1306Z to Dec 26, 2018 1306Z

!RAC 12/025 Batten International, Racine, WI (KRAC) Runway 04 field condition 5/5/5 10,000 feet PCT 1/8 inch dry snow observed at Dec 25, 2018 1305Z. Condition not monitor Dec 25, 2018 2300Z to Dec 26, 2018 1300Z. Dec 25, 2018 1305Z to Dec 26, 2018 1305Z

!MKE 12/132 General Mitchell International, Milwaukee, WI (KMKE) Runway 19 right field condition 5/5/5 10,000 feet PCT wet observed at Dec 25, 2018 1606Z. Dec 25, 2018 1607Z to Dec 26, 2018 1607Z

!MKE 12/125 General Mitchell International, Milwaukee, WI (KMKE) Runway 13/31 closed Dec 25, 2018 1036Z to Dec 25, 2018 2235Z

!MKE 12/124 General Mitchell International, Milwaukee, WI (KMKE) Runway 07R/25L closed Dec 25, 2018 1035Z to Dec 25, 2018 2359Z

!MKE 12/123 General Mitchell International, Milwaukee, WI (KMKE) Runway 07L/25R closed Dec 25, 2018 1033Z to Dec 25, 2018 2359Z

!MKE 12/122 General Mitchell International, Milwaukee, WI (KMKE) Runway 01R/19L closed

Dec 25, 2018 1033Z to Dec 25, 2018 2232Z

!MKE 12/079 General Mitchell International, Milwaukee, WI (KMKE) Runway 13 runway end ID light out of service Dec 14, 2018 2151Z to Jan 31, 2019 2359Z

!MKE 12/078 General Mitchell International, Milwaukee, WI (KMKE) Runway 31 runway end ID light out of service Dec 14, 2018 2150Z to Jan 31, 2019 2359Z

!MKE 12/077 General Mitchell International, Milwaukee, WI (KMKE) Runway 07 left runway end ID light out of service Dec 14, 2018 2149Z to Jan 30, 2019 2359Z

!MKE 11/124 General Mitchell International, Milwaukee, WI (KMKE) Runway 25 right runway end ID light out of service Nov 14, 2018 2148Z to Apr 30, 2019 2359Z

!MWC 12/033 Lawrence J Timmerman, Milwaukee, WI (KMWC) Runway 22 right field condition 5/5/5 10,000 feet PCT 1/8 inch dry snow observed at Dec 25, 2018 1109Z. Dec 25, 2018 1109Z to Dec 26, 2018 1109Z

!MWC 12/032 Lawrence J Timmerman, Milwaukee, WI (KMWC) Runway 15 left field condition 5/5/5 10,000 feet PCT 1/8 inch dry snow observed at Dec 25, 2018 1107Z. Dec 25, 2018 1107Z to Dec 26, 2018 1107Z

!MSN 12/116 Dane CO Rgnl-Truax Field, Madison, WI (KMSN) Runway 32 field condition 5/5/5 70 PCT 1/8 inch dry snow observed at Dec 25, 2018 1414Z. Dec 25, 2018 1415Z to Dec 26, 2018 1415Z

!MSN 12/115 Dane CO Rgnl-Truax Field, Madison, WI (KMSN) Runway 03 field condition 5/5/5 70 PCT 1/8 inch dry snow observed at Dec 25, 2018 1355Z. Dec 25, 2018 1355Z to Dec 26, 2018 1355Z

!MSN 12/114 Dane CO Rgnl-Truax Field, Madison, WI (KMSN) Runway 18 field condition 5/5/5 30 PCT 1/8 inch dry snow, 75 PCT 1/8 inch dry snow, 75 PCT 1/8 inch dry snow observed at Dec 25, 2018 1349Z. Dec 25, 2018 1349Z to Dec 26, 2018 1349Z

!MSN 12/051 Dane CO Rgnl-Truax Field, Madison, WI (KMSN) Runway 03 precision approach path indicator unusable Dec 07, 2018 1235Z to Mar 06, 2019 2300Z Estimated

!DLL 12/035 Baraboo-Wisconsin Dells Regional, Baraboo, WI (KDLL) Runway 19 field condition 3/3/3 10,000 feet PCT 1/4 inch dry snow observed at Dec 25, 2018 1120Z. Dec 25, 2018 1120Z to Dec 26, 2018 1120Z

!DLL 12/034 Baraboo-Wisconsin Dells Regional, Baraboo, WI (KDLL) Runway 01 field condition 3/3/3 10,000 feet PCT 1/4 inch dry snow observed at Dec 25, 2018 1119Z. Dec 25, 2018 1119Z to Dec 26, 2018 1119Z

!DLL 04/042 Baraboo-Wisconsin Dells Regional, Baraboo, WI (KDLL) Runway 14/32 closed

Apr 28, 2018 2222Z to Apr 15, 2019 2300Z

!PNM 12/128 Houston County, Caledonia, MN (KCHU) Runway 31 field condition 3/3/3
10,000 feet PCT 1 inch wet snow observed at Dec 25, 2018 1406Z. Dec 25, 2018 1406Z to Dec
26, 2018 1406Z

!PNM 12/127 Houston County, Caledonia, MN (KCHU) Runway 13 field condition 3/3/3
10,000 feet PCT 1 inch wet snow observed at Dec 25, 2018 1405Z. Dec 25, 2018 1405Z to Dec
26, 2018 1405Z

!CCY 08/003 Northeast Iowa Regional, Charles City, IA (KCCY) Runway 12 runway end ID
light out of service Aug 10, 2018 1148Z to Feb 10, 2019 2111Z Estimated

!CCY 08/002 Northeast Iowa Regional, Charles City, IA (KCCY) Runway 30 precision
approach path indicator out of service Aug 10, 2018 1147Z to Feb 10, 2019 2111Z Estimated

!FOD 09/239 Northwood Municipal, Northwood, IA (K5D2) Runway 17/35 REDL out of
service Sep 26, 2018 1303Z to Jul 31, 2019 2359Z

!FOD 11/110 Forest City Municipal, Forest City, IA (KFXV) Runway 09/27 closed Nov 19,
2018 1611Z to Apr 01, 2019 2359Z

!FRM 09/008 Fairmont Municipal, Fairmont, MN (KFRM) Runway 13 runway end ID light out
of service Sep 21, 2018 2028Z to Mar 21, 2019 2111Z Estimated

!FOD 12/124 Emmetsburg Municipal, Emmetsburg, IA (KEGQ) Runway 31 runway end ID
light out of service Dec 04, 2018 1334Z to Feb 15, 2019 2359Z

!FOD 12/122 Emmetsburg Municipal, Emmetsburg, IA (KEGQ) Runway 31 precision approach
path indicator out of service Dec 04, 2018 1333Z to Feb 15, 2019 2359Z

!FOD 12/121 Emmetsburg Municipal, Emmetsburg, IA (KEGQ) Runway 13 precision approach
path indicator out of service Dec 04, 2018 1332Z to Feb 15, 2019 2359Z

!MJQ 12/006 Jackson Municipal, Jackson, MN (KMJQ) Runway 04/22 closed Dec 10, 2018
2127Z to Apr 01, 2019 2359Z

!MJQ 11/010 Jackson Municipal, Jackson, MN (KMJQ) Runway 31 precision approach path
indicator out of service Nov 19, 2018 1450Z to May 19, 2019 2111Z Estimated

!MJQ 11/005 Jackson Municipal, Jackson, MN (KMJQ) Runway 31 runway end ID light out of
service Nov 16, 2018 1607Z to May 17, 2019 2111Z Estimated

!MJQ 11/004 Jackson Municipal, Jackson, MN (KMJQ) Runway 13 runway end ID light out of
service Nov 16, 2018 1606Z to May 17, 2019 2111Z Estimated

!OTG 11/012 Worthington Municipal, Worthington, MN (KOTG) Runway 11 runway end ID light out of service Nov 13, 2018 0041Z to Feb 12, 2019 0030Z

!OTG 11/011 Worthington Municipal, Worthington, MN (KOTG) Runway 18 runway end ID light out of service Nov 13, 2018 0040Z to Feb 12, 2019 0001Z

!FOD 11/045 Rock Rapids Municipal, Rock Rapids, IA (KRRQ) Runway 34 precision approach path indicator unusable Nov 09, 2018 1517Z to May 09, 2019 2111Z Estimated

!FSD 11/030 Joe Foss Field, Sioux Falls, SD (KFSD) Runway 15/33 closed daily 1030-1100 Nov 04, 2018 1030Z to Mar 10, 2019 1100Z

!FSD 11/029 Joe Foss Field, Sioux Falls, SD (KFSD) Runway 03/21 closed daily 1000-1030 Nov 04, 2018 1000Z to Mar 10, 2019 1030Z

!SXX 11/006 SXX Runway 17/35 commissioned 5,500 feet X 100 feet concrete lighted Nov 07, 2018 1648Z-permanent

!SXX 11/004 SXX Runway 17/35 MIRL commissioned Nov 05, 2018 1853Z-permanent

!SXX 11/002 SXX Runway 35 precision approach path indicator commissioned Nov 05, 2018 1842Z-permanent

!SXX 11/001 SXX Runway 17 precision approach path indicator commissioned Nov 05, 2018 1840Z-permanent

!HON 11/142 Marv Skie-Lincoln County, Tea, SD (KY14) Runway 34 precision approach path indicator unusable Nov 29, 2018 0012Z to Dec 31, 2018 2359Z

!OMA 12/324 Eppley Airfield, Omaha, NE (KOMA) Runway 14 right holding position sign at runway 18/36 light out of service Dec 25, 2018 1046Z to Jan 04, 2019 2359Z

***** All Aerodrome NOTAMs *****

All published NOTAMs are available in the Notices to Airmen Publication (NTAP).

!MKG 11/098 Muskegon County, Muskegon, MI (KMKG) Aerodrome airport aerodrome beacon out of service Nov 21, 2018 1956Z to Aug 30, 2019 2200Z

!MKE 12/129 General Mitchell International, Milwaukee, WI (KMKE) Aerodrome airport all surface work in progress snow removal Dec 25, 2018 1055Z to Dec 25, 2018 2359Z

!MWC 12/029 Lawrence J Timmerman, Milwaukee, WI (KMWC) Aerodrome airport all surface work in progress snow removal Dec 25, 2018 1103Z to Dec 25, 2018 2359Z

!MSN 12/109 Dane CO Rgnl-Truax Field, Madison, WI (KMSN) Aerodrome airport all surface

work in progress snow removal Dec 25, 2018 1023Z to Dec 25, 2018 2300Z

!AEL 01/012 Albert Lea Municipal, Albert Lea, MN (KAEL) Aerodrome airport surface condition not report Jan 25, 2018 2141Z to Dec 31, 2018 2359Z

!PNM 12/114 Blue Earth Municipal, Blue Earth, MN (KSBU) Aerodrome airport jet A fuel not available Dec 21, 2018 2250Z to Dec 31, 2018 1200Z

!FOD 12/123 Emmetsburg Municipal, Emmetsburg, IA (KEGQ) Aerodrome airport aerodrome beacon out of service Dec 04, 2018 1333Z to Feb 15, 2019 2359Z

!FOD 12/178 Sioux Center Municipal, Sioux Center, IA (KSOY) Aerodrome airport closed Dec 13, 2018 1726Z-permanent

!FSD 11/075 Joe Foss Field, Sioux Falls, SD (KFSD) Aerodrome airport surface condition not report daily 0600-1000 Nov 08, 2018 0600Z to May 01, 2019 1000Z Estimated

***** All Communication NOTAMs *****

All published NOTAMs are available in the Notices to Airmen Publication (NTAP).

!FRM 07/007 Fairmont Municipal, Fairmont, MN (KFRM) Communication remote communication outlet 122.3 commissioned Jul 31, 2018 1856Z-permanent

!OTG 03/012 Worthington Municipal, Worthington, MN (KOTG) Communication remote communication outlet 123.6000 decommissioned Mar 21, 2016 1708Z-permanent

!FSD 05/002 Joe Foss Field, Sioux Falls, SD (KFSD) Communication remote transients/receiver 267.900 changed to 284.725 May 01, 2018 1901Z-permanent

!SXX 12/012 SXX Communication common traffic advisory frequency 122.9 changed to 122.7 Dec 07, 2018 1654Z-permanent

***** All Navigation NOTAMs *****

All published NOTAMs are available in the Notices to Airmen Publication (NTAP).

!MKG 05/009 Muskegon County, Muskegon, MI (KMKG) Navigation ILS runway 32 MUSKO compass locator at ILS outer marker decommissioned May 15, 2017 1132Z-permanent

!ETB 10/001 West Bend Municipal, West Bend, WI (KETB) Navigation ILS runway 31 localizer out of service Oct 02, 2018 1155Z-permanent

!RYV 12/002 Watertown Municipal, Watertown, WI (RYV) Navigation NDB out of service Dec 13, 2018 1311Z to Jul 01, 2019 2359Z

!MSN 09/058 Dane CO Rgnl-Truax Field, Madison, WI (KMSN) Navigation ILS runway 36 outer marker decommissioned Sep 13, 2016 1514Z-permanent

!FOD 04/145 Waukon, Waukon, IA (UKN) Navigation TACAN azimuth out of service Apr 29, 2015 1850Z-permanent

!AUM 11/008 Austin, Austin, MN (JAY) Navigation VOR/DME out of service Nov 27, 2018 1250Z to Dec 31, 2018 2000Z Estimated

!AEL 07/004 Albert Lea Municipal, Albert Lea, MN (AEL) Navigation VOR ground receiver checkpoint out of service Jul 11, 2018 1316Z to Jan 11, 2019 2111Z Estimated

!FOD 06/242 Forest City Municipal, Forest City, IA (FXY) Navigation NDB decommissioned Jun 29, 2018 1352Z-permanent

!FRM 01/001 FRM Navigation VOR out of service Jan 03, 2018 1905Z to Jan 08, 2019 1800Z Estimated

!OTG 12/005 Worthington Municipal, Worthington, MN (KOTG) Navigation ILS runway 29 localizer out of service Dec 18, 2018 0021Z to Jan 24, 2019 2000Z Estimated

!FOD 11/074 ISB Navigation NDB out of service Nov 16, 2018 1524Z to May 17, 2019 2111Z Estimated

!FOD 12/202 SOY Navigation NDB out of service Dec 18, 2018 2202Z to Jun 18, 2019 2111Z Estimated

!GPS 12/088 GPS Navigation PRN 16 unserviceable Dec 21, 2018 1500Z to Mar 21, 2019 1500Z

!OMA 08/054 Eppley Airfield, Omaha, NE (KOMA) Navigation ILS runway 32 left RIKKY compass locator at ILS outer marker out of service Aug 08, 2018 1814Z-permanent

***** All Service NOTAMs *****

All published NOTAMs are available in the Notices to Airmen Publication (NTAP).

!LAN 10/379 Paul C Miller-Sparta, Sparta, MI (K8D4) Service automatic weather observing reporting system decommissioned Oct 30, 2018 1228Z-permanent

!LAN 12/654 Paul C Miller-Sparta, Sparta, MI (K8D4) Service automated weather broadcast system out of service Dec 13, 2016 1423Z-permanent

!AEL 12/005 Albert Lea Municipal, Albert Lea, MN (KAEL) Service automated weather broadcast system out of service Dec 23, 2018 1639Z to Jan 23, 2019 2000Z Estimated

!PNM 12/112 KZMP Service Minot approach control closed contact Minneapolis Air Route Traffic Control Center (ARTCC) on 127.6/279.6 Dec 24, 2018 0500Z to Dec 26, 2018 1300Z

!SXX 11/003 SXX Service all commissioned key frequency 122.7 7 times high, 5 times medium, 3 times low intensity Nov 05, 2018 1848Z-permanent

!HON 09/137 Marv Skie-Lincoln County, Tea, SD (KY14) Service automated weather broadcast system altimeter and wind unreliable Sep 28, 2018 1514Z to Mar 28, 2019 2359Z

***** All Obstruction NOTAMs *****

All published NOTAMs are available in the Notices to Airmen Publication (NTAP).

!LAN 12/389 Lowell City, Lowell, MI (K24C) Obstruction tower light (Antenna Structure Registration 1222561) 42° 55' 46.90" North 085° 21' 44.60" West (1.7 nautical miles south-south-west 24C) 899.3 feet (261.2FT above ground level) out of service Dec 23, 2018 1238Z to Jan 22, 2019 1238Z

!LAN 12/284 Lowell City, Lowell, MI (K24C) Obstruction tower light (Antenna Structure Registration 1055786) 42° 53' 38.00" North 085° 17' 44.00" West (4.3 nautical miles south-south-east 24C) 1,194.9 feet (313.0FT above ground level) out of service Dec 15, 2018 1311Z to Jan 14, 2019 1311Z

!LAN 11/619 Ionia County, Ionia, MI (KY70) Obstruction tower light (Antenna Structure Registration 1017496) 42° 57' 55.00" North 085° 10' 28.00" West (5.2 nautical miles west-north-west Y70) 1,049.9 feet (238.8FT above ground level) out of service Nov 29, 2018 0430Z to Dec 29, 2018 0430Z

!LAN 12/318 Ionia County, Ionia, MI (KY70) Obstruction tower light (Antenna Structure Registration 1000545) 42° 53' 07.70" North 085° 09' 13.70" West (5.2 nautical miles southwest Y70) 1,155.2 feet (289.0FT above ground level) out of service Dec 18, 2018 0424Z to Jan 17, 2019 0424Z

!LAN 12/188 Ionia County, Ionia, MI (KY70) Obstruction tower light (Antenna Structure Registration 1055785) 42° 52' 41.30" North 085° 05' 46.30" West (3.9 nautical miles south-south-west Y70) 1,131.9 feet (282.2FT above ground level) out of service Dec 08, 2018 0756Z to Jan 07, 2019 0756Z

!LAN 12/361 Plainwell Municipal, Plainwell, MI (K61D) Obstruction tower light (Antenna Structure Registration 1239855) 42° 29' 27.00" North 085° 40' 22.00" West (1.8 nautical miles northwest 61D) 1,174.9 feet (335.0FT above ground level) out of service Dec 21, 2018 1554Z to Jan 04, 2019 2359Z

!LAN 12/313 Wilderness Airpark, Kent City, MI (K24M) Obstruction tower light (Antenna Structure Registration 1060258) 43° 12' 28.50" North 085° 44' 54.20" West (2.7 nautical miles southwest 24M) 1,073.2 feet (263.1FT above ground level) out of service Dec 17, 2018 1847Z to

Jan 16, 2019 1847Z

!LAN 12/327 Riverview, Jenison, MI (K08C) Obstruction tower light (Antenna Structure Registration 1205764) 42° 57' 31.00" North 085° 54' 05.00" West (4.4 nautical miles west-north-west 08C) 1,042 feet (360.9FT above ground level) out of service Dec 18, 2018 1317Z to Jan 01, 2019 2359Z

!LAN 12/109 Riverview, Jenison, MI (K08C) Obstruction tower light (Antenna Structure Registration 1002079) 42° 57' 25.00" North 085° 54' 07.00" West (4.4 nautical miles west-north-west 08C) 1,667.7 feet (987.9FT above ground level) out of service Dec 06, 2018 0242Z to Feb 06, 2019 2359Z

!LAN 12/218 Ottawa Executive, Zeeland, MI (KZ98) Obstruction tower light (Antenna Structure Registration 1205767) 42° 50' 13.00" North 085° 59' 09.00" West (2.8 nautical miles west-north-west Z98) 899 feet (200.1FT above ground level) out of service Dec 10, 2018 1359Z to Dec 25, 2018 2300Z

!LAN 10/223 Fremont Municipal, Fremont, MI (KFFX) Obstruction tower light (Antenna Structure Registration 1234009) 43° 18' 35.40" North 085° 54' 44.80" West (8.6 nautical miles south-south-east FFX) 1,847.1 feet (1060.0FT above ground level) out of service Oct 19, 2018 1104Z to Oct 19, 2019 2359Z

!BIV 12/001 West Michigan Regional, Holland, MI (KBIV) Obstruction tower light (Antenna Structure Registration 1222475) 42° 45' 27.00" North 086° 07' 06.00" West (1.0 nautical miles north-north-west BIV) 857 feet (169.9FT above ground level) out of service Dec 18, 2018 2212Z to Jan 02, 2019 2212Z

!LAN 12/381 Park Township, Holland, MI (KHLM) Obstruction tower light (Antenna Structure Registration 1021269) 42° 51' 39.00" North 086° 07' 56.00" West (4.1 nautical mile north-north-east HLM) 864.8 feet (234.9FT above ground level) out of service Dec 22, 2018 1540Z to Jan 20, 2019 2350Z Estimated

!MKG 12/117 Muskegon County, Muskegon, MI (KMKG) Obstruction tower light (Antenna Structure Registration 1056677) 43° 12' 41.10" North 086° 12' 24.90" West (2.9 nautical miles north-north-east MKG) 899 feet (268.0FT above ground level) out of service Dec 20, 2018 0628Z to Jan 04, 2019 0627Z

!MKG 12/112 Muskegon County, Muskegon, MI (KMKG) Obstruction crane (Aeronautical Study Number unknown) 430933N0861353W (.5 nautical miles S MKG) 629 feet (140FT above ground level) flagged Monday-Friday 1300-2200 Dec 17, 2018 1300Z to Feb 01, 2019 2200Z

!MKG 12/043 Muskegon County, Muskegon, MI (KMKG) Obstruction tower light (Antenna Structure Registration 1002847) 43° 16' 34.50" North 086° 14' 43.40" West (6.6 nautical miles N MKG) 998.7 feet (402.9FT above ground level) out of service Dec 05, 2018 1637Z to Mar 21, 2019 2359Z

!MKG 11/129 Muskegon County, Muskegon, MI (KMKG) Obstruction stack (Aeronautical Study Number unknown) 431515N0861642W (4.8 nautical miles N MKG) unknown (185FT above ground level) not lighted Nov 26, 2018 1938Z to Jan 30, 2019 2359Z

!ETB 12/011 West Bend Municipal, West Bend, WI (KETB) Obstruction tower light (Antenna Structure Registration 1034423) 43° 26' 36.00" North 087° 51' 17.30" West (11.9 nautical miles E ETB) 1,030.2 feet (290.0FT above ground level) out of service Dec 24, 2018 0206Z to Jan 08, 2019 0206Z

!MWC 12/019 Lawrence J Timmerman, Milwaukee, WI (KMWC) Obstruction tower light (Antenna Structure Registration 1051799) 43° 05' 24.00" North 087° 54' 55.00" West (5.3 nautical miles east-south-east MWC) 1,331.7 feet (655.8FT above ground level) out of service Dec 18, 2018 1056Z to Jan 02, 2019 1055Z

!GRB 12/231 Capitol, Brookfield, WI (K02C) Obstruction tower light (Antenna Structure Registration 1033705) 43° 09' 04.00" North 088° 07' 25.00" West (4.4 nautical miles north-north-east 02C) 1,189.3 feet (333.3FT above ground level) out of service Dec 14, 2018 1142Z to Dec 29, 2018 1141Z

!UES 12/030 Waukesha County, Waukesha, WI (KUES) Obstruction tower light (Antenna Structure Registration 1023343) 42° 58' 14.00" North 088° 10' 16.00" West (5.1 nautical mile southeast UES) 1,510.2 feet (498.0FT above ground level) out of service Dec 14, 2018 1725Z to Jan 14, 2019 1215Z

!GRB 12/211 Hartford Municipal, Hartford, WI (KHXF) Obstruction tower light (Antenna Structure Registration 1033479) 43° 19' 28.90" North 088° 14' 07.20" West (6.9 nautical miles east-south-east HXF) 1,427.2 feet (308.1FT above ground level) out of service Dec 13, 2018 0431Z to Jan 12, 2019 0431Z

!GRB 12/248 Hartford Municipal, Hartford, WI (KHXF) Obstruction tower light (Antenna Structure Registration 1034427) 43° 26' 35.20" North 088° 18' 34.00" West (6.7 nautical miles north-north-east HXF) 1,476 feet (284.1FT above ground level) out of service Dec 16, 2018 0940Z to Dec 31, 2018 0939Z

!UNU 12/006 Dodge County, Juneau, WI (KUNU) Obstruction tower light (Antenna Structure Registration 1301101) 43° 31' 49.10" North 088° 31' 18.60" West (10.1 nautical mile NE UNU) 1,290.7 feet (279.9FT above ground level) out of service Dec 15, 2018 0144Z to Dec 30, 2018 0143Z

!UNU 12/008 Dodge County, Juneau, WI (KUNU) Obstruction tower light (Antenna Structure Registration 1252409) 43° 20' 33.30" North 088° 36' 10.30" West (6.7 nautical miles southeast UNU) 1,126 feet (199.1FT above ground level) out of service Dec 21, 2018 1941Z to Jan 05, 2019 1841Z

!RYV 12/001 Watertown Municipal, Watertown, WI (KRYV) Obstruction tower light (Antenna

Structure Registration 1222019) 43° 11' 44.70" North 088° 45' 25.60" West (2.2 nautical miles northwest RYV) 1,335 feet (469.8FT above ground level) out of service Dec 03, 2018 2135Z to Jan 12, 2019 2359Z

!GRB 12/011 Jana, Edgerton, WI (K58C) Obstruction tower light (Antenna Structure Registration 1042519) 42° 46' 25.00" North 089° 03' 15.00" West (6.0 nautical miles S 58C) 1,131.9 feet (249.3FT above ground level) out of service Dec 01, 2018 1819Z to Jan 01, 2019 2359Z

!MSN 12/096 Dane CO Rgnl-Truax Field, Madison, WI (KMSN) Obstruction tower light (Antenna Structure Registration 1049513) 43° 11' 02.00" North 089° 15' 14.20" West (4.5 nautical miles NE MSN) 1,245.1 feet (250.0FT above ground level) out of service Dec 20, 2018 0837Z to Jan 19, 2019 0837Z

!GRB 12/306 Blackhawk Field, Madison, WI (K87Y) Obstruction tower light (Antenna Structure Registration 1034436) 42° 58' 33.30" North 089° 17' 24.50" West (9.0 nautical miles south-south-west 87Y) 1,230 feet (286.1FT above ground level) out of service Dec 23, 2018 1032Z to Jan 22, 2019 1031Z

!MSN 02/063 Dane CO Rgnl-Truax Field, Madison, WI (KMSN) Obstruction crane (Aeronautical Study Number 2017-above ground level-7582-NRA) 430808N0892043W (0.4 nautical miles southwest MSN) 941 feet (80FT above ground level) flagged and lighted Feb 05, 2018 0928Z to Apr 04, 2019 2300Z

!MSN 02/062 Dane CO Rgnl-Truax Field, Madison, WI (KMSN) Obstruction crane (Aeronautical Study Number 2017-above ground level-7576-NRA) 430811N0892043W (0.4 nautical miles west-south-west MSN) 941 feet (80FT above ground level) flagged and lighted Feb 05, 2018 0927Z to Mar 29, 2019 2300Z

!MSN 02/061 Dane CO Rgnl-Truax Field, Madison, WI (KMSN) Obstruction crane (Aeronautical Study Number 2017-above ground level-7564-NRA) 430815N0892043W (0.4 nautical miles west-south-west MSN) 940 feet (80FT above ground level) flagged and lighted Feb 05, 2018 0925Z to Apr 04, 2019 2300Z

!MSN 02/060 Dane CO Rgnl-Truax Field, Madison, WI (KMSN) Obstruction crane (Aeronautical Study Number 2017-above ground level-7563-NRA) 430816N0892043W (0.4 nautical miles west-south-west MSN) 940 feet (80FT above ground level) flagged and lighted Feb 05, 2018 0924Z to Apr 04, 2019 2300Z

!MSN 02/059 Dane CO Rgnl-Truax Field, Madison, WI (KMSN) Obstruction crane (Aeronautical Study Number 2017-above ground level-7558-NRA) 430816N0892045W (0.4 nautical miles west-south-west MSN) 940 feet (80FT above ground level) flagged and lighted Feb 05, 2018 0924Z to Apr 04, 2019 2300Z

!GRB 12/255 Gilbert Field, Rio, WI (K94C) Obstruction tower light (Antenna Structure Registration 1033861) 43° 34' 11.20" North 089° 17' 59.10" West (7.5 nautical miles north-

north-west 94C) 1,208 feet (284.1FT above ground level) out of service Dec 17, 2018 0534Z to Jan 17, 2019 0534Z

!MSN 01/025 Dane CO Rgnl-Truax Field, Madison, WI (KMSN) Obstruction crane (Aeronautical Study Number 2017-above ground level-9499-OE) 430807N0892124W (0.9 nautical miles west-south-west MSN) 1,082 feet (150FT above ground level) flagged and lighted Jan 03, 2018 1134Z to Dec 31, 2018 2359Z

!GRB 11/343 Verona, Verona, WI (KW19) Obstruction tower light (Antenna Structure Registration 1286827) 42° 57' 31.70" North 089° 30' 04.60" West (1.9 nautical miles S W19) 1,539 feet (464.9FT above ground level) out of service Nov 26, 2018 0108Z to Dec 26, 2018 0108Z

!GRB 12/247 Verona, Verona, WI (KW19) Obstruction tower light (Antenna Structure Registration 1036835) 43° 02' 08.00" North 089° 30' 25.00" West (2.8 nautical miles NE W19) 1,502 feet (361.9FT above ground level) out of service Dec 16, 2018 0320Z to Jan 02, 2019 2359Z

!GRB 12/303 Portage Municipal, Portage, WI (KC47) Obstruction tower light (Antenna Structure Registration 1047472) 43° 29' 18.00" North 089° 28' 36.00" West (4.3 nautical miles S C47) 1,299.9 feet (319.9FT above ground level) out of service Dec 23, 2018 0152Z to Jan 22, 2019 2359Z

!GRB 12/141 Portage Municipal, Portage, WI (KC47) Obstruction crane (Aeronautical Study Number unknown) 433349N0892942W (.5 nautical miles northwest C47) 935 feet (110FT above ground level) flagged Dec 10, 2018 1300Z to Dec 31, 2018 2300Z

!LNR 11/004 Tri-County Regional, Lone Rock, WI (KLNR) Obstruction tower light (Antenna Structure Registration 1033880) 43° 14' 34.60" North 090° 03' 51.50" West (5.4 nautical miles east-north-east LNR) 1,450.8 feet (354.0FT above ground level) out of service Nov 26, 2018 1212Z to Dec 26, 2018 1212Z

!GRB 12/292 Richland, Richland Center, WI (K93C) Obstruction tower light (Antenna Structure Registration 1034217) 43° 09' 36.00" North 090° 25' 33.00" West (9.3 nautical miles southwest 93C) 1,339.9 feet (270.0FT above ground level) out of service Dec 21, 2018 1306Z to Jan 05, 2019 1305Z

!OVS 12/001 Boscobel, Boscobel, WI (KOVs) Obstruction tower light (Antenna Structure Registration 1291579) 43° 18' 29.20" North 090° 58' 39.00" West (15.9 nautical miles northwest OVS) 1,478 feet (359.9FT above ground level) out of service Dec 05, 2018 0530Z to Jan 04, 2019 0530Z

!PDC 12/003 Prairie du Chien Municipal, Prairie du Chien, WI (KPDC) Obstruction tower light (Antenna Structure Registration 1034219) 43° 02' 51.00" North 091° 07' 02.00" West (1.7 nautical miles NE PDC) 1,435.4 feet (295.3FT above ground level) out of service Dec 23, 2018 2032Z to Jan 07, 2019 2031Z

!FOD 12/156 Waukon Municipal, Waukon, IA (KY01) Obstruction tower light (Antenna Structure Registration 1029854) 43° 14' 32.00" North 091° 10' 18.00" West (13.2 nautical miles E Y01) 1,397.6 feet (295.3FT above ground level) out of service Dec 09, 2018 1530Z to Jan 14, 2019 2000Z

!GRB 12/327 Viroqua Municipal, Viroqua, WI (KY51) Obstruction tower light (Antenna Structure Registration 1291339) 43° 32' 22.30" North 091° 10' 13.30" West (12.1 nautical mile W Y51) 1,457 feet (359.9FT above ground level) out of service Dec 24, 2018 1058Z to Jan 08, 2019 1058Z

!FOD 12/180 Waukon Municipal, Waukon, IA (KY01) Obstruction tower light (Antenna Structure Registration 1307617) 43° 18' 59.40" North 091° 27' 18.00" West (2.25 nautical miles north-north-east Y01) 1,555 feet (265FT above ground level) out of service Dec 13, 2018 1810Z to Jan 13, 2019 2359Z

!FOD 12/184 George L Scott Municipal, West Union, IA (K3Y2) Obstruction tower light (Antenna Structure Registration 1228693) 42° 57' 34.20" North 091° 47' 56.70" West (1.6 nautical miles south-south-west 3Y2) 1,380.2 feet (200.1FT above ground level) out of service Dec 14, 2018 1250Z to Dec 29, 2018 1249Z

!FOD 12/183 New Hampton Municipal, New Hampton, IA (K1Y5) Obstruction tower (Aeronautical Study Number 2018-ace-1511-OE) 431156N0921846W (6.8 nautical miles N 1Y5) 1,533 feet (305FT above ground level) not lighted Dec 14, 2018 0225Z to Jan 11, 2019 2359Z

!FOD 12/198 Osage Municipal, Osage, IA (KD02) Obstruction wind turbine light (Aeronautical Study Number 2015-WTE-5444-OE) 432548N0925153W (8.8 nautical miles north-north-west D02) 1,473 feet (263FT above ground level) out of service Dec 17, 2018 2231Z to Apr 06, 2019 2359Z

!FOD 12/229 Northwood Municipal, Northwood, IA (K5D2) Obstruction tower light (Antenna Structure Registration 1017894) 43° 29' 18.00" North 093° 14' 13.00" West (2.8 nautical miles north-north-west 5D2) 1,574.1 feet (324.1FT above ground level) out of service Dec 24, 2018 1454Z to Jan 08, 2019 1453Z

!FOD 11/116 Belmond Municipal, Belmond, IA (KY48) Obstruction wind turbine light (Aeronautical Study Number 2018-WTE-7919-OE) 430200N0934212W (11.9 nautical miles north-north-west Y48) 1,554 feet (290FT above ground level) out of service Nov 19, 2018 2136Z to Dec 31, 2018 2359Z

!PNM 12/125 Wells Municipal, Wells, MN (K68Y) Obstruction tower light (Antenna Structure Registration 1027535) 43° 44' 57.00" North 093° 43' 52.00" West (2.5 nautical miles east-north-east 68Y) 1,445.9 feet (339.9FT above ground level) out of service Dec 25, 2018 0004Z to Jan 09, 2019 0003Z

!PNM 12/087 Wells Municipal, Wells, MN (K68Y) Obstruction tower light (Aeronautical Study Number 2017-WTE-8953-OE) 434306N0935357W (5.1 nautical mile W 68Y) 1,375 feet (280FT above ground level) out of service Dec 17, 2018 0517Z to Jan 01, 2019 0517Z

!PNM 12/108 Wells Municipal, Wells, MN (K68Y) Obstruction tower light (Antenna Structure Registration 1221286) 43° 38' 43.00" North 093° 55' 06.90" West (7.9 nautical miles southwest 68Y) 1,380.2 feet (265.1FT above ground level) out of service Dec 20, 2018 1654Z to Jan 19, 2019 1653Z

!PNM 12/123 Blue Earth Municipal, Blue Earth, MN (KSBU) Obstruction tower light (Antenna Structure Registration 1024141) 43° 40' 01.00" North 094° 07' 20.00" West (4.5 nautical miles north-north-west SBU) 1,445.2 feet (390.4FT above ground level) out of service Dec 24, 2018 1640Z to Mar 24, 2019 2359Z

!SPW 12/076 Spencer Muni., Spencer, IA (KSPW) Obstruction tower light (Antenna Structure Registration 1016592) 43° 13' 40.00" North 095° 08' 05.00" West (4.8 nautical miles NE SPW) 1,906.2 feet (459.3FT above ground level) out of service Dec 17, 2018 1355Z to Jan 17, 2019 2359Z

!MJQ 12/008 Jackson Municipal, Jackson, MN (KMJQ) Obstruction tower light (Aeronautical Study Number 2017-WTE-6152-OE) 433519N0951701W (13.4 nautical miles west-south-west MJQ) 1,780 feet (330FT above ground level) out of service Dec 19, 2018 2011Z to Jan 03, 2019 2011Z

!IKK 11/236 KZAU Obstruction wind turbine farm WI an area defined as 4.78 nautical miles radius of 432709N0952609W (15.6 nautical miles south-south-east OTG) 1,932 feet (400FT above ground level) not lighted Nov 30, 2018 2023Z to Dec 30, 2018 1200Z Estimated

!OTG 12/004 Worthington Municipal, Worthington, MN (KOTG) Obstruction tower light (Antenna Structure Registration 1304404) 43° 42' 04.70" North 095° 28' 57.80" West (5.03 nautical miles east-north-east OTG) 1,757 feet (259FT above ground level) out of service Dec 16, 2018 2359Z to Dec 31, 2018 1134Z

!LYV 12/003 Quentin Aanenson Field, Luverne, MN (KLYV) Obstruction tower light (Aeronautical Study Number 2017-above ground level-19211-OE) 433849N0960420W (6.6 nautical miles east-north-east LYV) 1,783 feet (259FT above ground level) out of service Dec 18, 2018 0539Z to Jan 02, 2019 0539Z

!FOD 12/227 Sioux Center Municipal, Sioux Center, IA (KSOY) Obstruction tower light (Antenna Structure Registration 1255432) 43° 11' 57.80" North 096° 07' 00.90" West (5.0 nautical miles NE SOY) 1,741.5 feet (309.7FT above ground level) out of service Dec 24, 2018 0754Z to Jan 24, 2019 0800Z

!PQN 11/007 Pipestone Municipal, Pipestone, MN (KPQN) Obstruction tower light (Antenna Structure Registration 1244683) 43° 51' 53.00" North 096° 08' 07.20" West (10.0 nautical miles southeast PQN) 1,818.9 feet (265.1FT above ground level) out of service Nov 28, 2018 1623Z to

Jan 09, 2019 0750Z

!LYV 12/002 Quentin Aanenson Field, Luverne, MN (KLYV) Obstruction tower light (Antenna Structure Registration 1060976) 43° 39' 03.00" North 096° 10' 18.00" West (2.9 nautical miles NE LYV) 1,776.2 feet (271.3FT above ground level) out of service Dec 13, 2018 2318Z to Dec 28, 2018 2317Z

!FOD 12/144 Rock Rapids Municipal, Rock Rapids, IA (KRRQ) Obstruction tower light (Antenna Structure Registration 1228589) 43° 22' 28.30" North 096° 11' 39.00" West (4.7 nautical miles S RRQ) 1,761.8 feet (362.9FT above ground level) out of service Dec 06, 2018 0419Z to Jan 05, 2019 0419Z

!FSD 11/139 Joe Foss Field, Sioux Falls, SD (KFSD) Obstruction tower light (Antenna Structure Registration 1050512) 43° 35' 33.00" North 096° 38' 21.00" West (4.5 nautical miles E FSD) 1,673.6 feet (289.7FT above ground level) out of service Nov 27, 2018 1452Z to Jan 01, 2019 2359Z

!FSD 10/002 Joe Foss Field, Sioux Falls, SD (KFSD) Obstruction crane (Aeronautical Study Number 2018-above ground level-8181-OE) 433312N0964348W (1.8 nautical miles south-south-east FSD) 1,570 feet (179FT above ground level) flagged Oct 01, 2018 1659Z to Nov 01, 2019 1200Z Estimated

!FSD 12/112 Joe Foss Field, Sioux Falls, SD (KFSD) Obstruction tower light (Antenna Structure Registration 1042415) 43° 32' 48.00" North 096° 43' 49.00" West (2.2 nautical miles south-south-east FSD) 1,659.8 feet (218.8FT above ground level) out of service Dec 14, 2018 1042Z to Dec 29, 2018 1041Z

!FSD 07/009 Joe Foss Field, Sioux Falls, SD (KFSD) Obstruction crane (Aeronautical Study Number unknown) 433446N0964354W (.4 nautical miles N approach end runway 33) unknown (120FT above ground level) flagged daily sunrise-sunset Jul 12, 2018 1558Z to Sep 01, 2019 0100Z

!FSD 12/118 Joe Foss Field, Sioux Falls, SD (KFSD) Obstruction water tower (Aeronautical Study Number unknown) 433150N0964527W (3.8 nautical miles S FSD) unknown (180FT above ground level) not lighted Dec 20, 2018 2219Z to Jan 10, 2019 2219Z

!FSD 12/019 Joe Foss Field, Sioux Falls, SD (KFSD) Obstruction tower light (Antenna Structure Registration 1291070) 43° 34' 53.90" North 096° 46' 44.50" West (1.6 nautical miles W FSD) 1,586.6 feet (108.9FT above ground level) out of service Dec 01, 2018 1737Z to Jan 01, 2019 2359Z

!PNM 11/027 KZMP Obstruction tower (Aeronautical Study Number #UNKNOWN) 433618N0965418W (82NM E FSD) 1,519 feet (265FT above ground level) not lighted Nov 07, 2018 2033Z to Jul 01, 2019 2359Z

!FSD 11/148 Joe Foss Field, Sioux Falls, SD (KFSD) Obstruction crane (Aeronautical Study

Number UNKOWN) 433509.1NN0964601.8W (1.5 nautical miles W FSD) 1,602 feet (140FT above ground level) flagged and lighted Nov 28, 2018 1624Z to Jan 07, 2019 2359Z

!FSD 11/146 Joe Foss Field, Sioux Falls, SD (KFSD) Obstruction crane (Aeronautical Study Number UNKOWN) 433509NN0964602W (1.5 nautical miles W FSD) 1,602 feet (140FT above ground level) not lighted Nov 28, 2018 1619Z to Jan 07, 2019 2359Z

***** All Airspace NOTAMs *****

All published NOTAMs are available in the Notices to Airmen Publication (NTAP).

!LYV 07/008 Quentin Aanenson Field, Luverne, MN (KLYV) Airspace parachute jumping exercise WI an area defined as 3 nautical miles radius of LYV surface-12,000 feet Jul 22, 2018 1402Z-permanent

***** All Special Use Airspace NOTAMs *****

No current Special Use Airspace NOTAMs data for this briefing.

***** All Unverified Aeronautical Information NOTAMs *****

All published NOTAMs are available in the Notices to Airmen Publication (NTAP).

No current Unverified Aeronautical Information NOTAMs data for this briefing.

***** All Other NOTAMs *****

All published NOTAMs are available in the Notices to Airmen Publication (NTAP).

No current Other NOTAMs data for this briefing.

***** All NOTAMs without keywords *****

All published NOTAMs are available in the Notices to Airmen Publication (NTAP).

No current NOTAMs without keywords data for this briefing.

***** All FDC NOTAMs *****

All published NOTAMs are available in the Notices to Airmen Publication (NTAP).

!FDC 8/9980 KGRR IAP GERALD R FORD INTL, Grand Rapids, MI. RNAV (GPS) RWY 26R, AMDT 1A... PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT ORIEN ON V274 NORTHEAST BOUND. DISREGARD PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT ORIEN ON V274 NORTHEAST BOUND AND ON V26 SOUTHEAST BOUND. 13 SEP 11:17 2018 UNTIL 25 APR 11:17 2019 ESTIMATED. CREATED: 13 SEP 11:17 2018

!FDC 8/9979 KGRR IAP GERALD R FORD INTL, Grand Rapids, MI. RNAV (GPS) RWY 8R, AMDT 1B... PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT JAKES ON V193

SOUTHWEST BOUND. DISREGARD PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT JAKES ON V193 SOUTHWEST BOUND AND ON V510 WESTBOUND. 13 SEP 11:17 2018 UNTIL 25 APR 11:17 2019 ESTIMATED. CREATED: 13 SEP 11:17 2018

!FDC 8/7765 KGRR IAP GERALD R FORD INTL, Grand Rapids, MI. ILS OR LOC RWY 35, AMDT 2... DELETE NOTE: HONSE FIX MINIMUMS (DUAL VOR RECEIVERS OR DME REQUIRED). ADD NOTE FOR HONSE MINIMUMS (ADF OR DME REQUIRED). EQUIPMENT REQUIREMENT NOTE: DME OR RADAR REQUIRED FOR PROCEDURE ENTRY. DELETE PLANVIEW NOTE: DME OR RADAR REQUIRED. EQUIPMENT REQUIREMENT NOTE: DME REQUIRED. THIS IS ILS OR LOC RWY 35, AMDT 2A. 09 OCT 13:29 2018 UNTIL PERM. CREATED: 09 OCT 13:29 2018

!FDC 8/4266 MI97 SPECIAL SPECTRUM HEALTH BUTTERWORTH HELIPORT, GRAND RAPIDS, MI. COPTER RNAV (GPS) 010... USE GERALD R FORD INTERNATIONAL AIRPORT ATIS FREQUENCY 118.725. 23 DEC 23:59 2018 UNTIL 21 DEC 23:59 2019. CREATED: 23 DEC 21:53 2018

!FDC 8/4264 MI97 SPECIAL SPECTRUM HEALTH BUTTERWORTH HELIPORT, GRAND RAPIDS, MI EBABE ONE DEPARTURE... USE GERALD R FORD INTERNATIONAL AIRPORT ATIS FREQUENCY 118.725. PRIOR TO TAKEOFF: SELECT DEPARTURE PROCEDURE FROM GPS DATABASE AND SET CDI TO 0.3 NM. USER DEFINED ROUTE NOT AUTHORIZED. CDI MAY BE RESET TO 1.0 NM AFTER IWC OB. POSITIVE COURSE GUIDANCE ON COURSE 190 TO THE IDF REQUIRED FOR ENTERING IMC PRIOR TO EBABE. AFTER TAKEOFF/DP ROUTE DESCRIPTION: HOVER AT OR ABOVE 5FT AGL: CLIMB TO CROSS EBABE ON COURSE 220 AT OR ABOVE 1260. CONTINUE CLIMB ON DEPICTED ROUTE TO CROSS YOYCO AT OR ABOVE 3000. TAKEOFF MINIMUMS: 400 3/4, OR STANDARD WITH TAKEOFF HEADING 190 AND MINIMUM CLIMB OF 549FT PER NM TO 1260. 23 DEC 23:59 2018 UNTIL 21 DEC 23:59 2019. CREATED: 23 DEC 21:53 2018

!FDC 8/7236 K8D4 IAP PAUL C MILLER-SPARTA, Sparta, MI. VOR-A, AMDT 4A... PROCEDURE NA. 19 OCT 19:09 2018 UNTIL 31 MAY 19:09 2019 ESTIMATED. CREATED: 19 OCT 19:09 2018

!FDC 8/5082 K8D4 IAP PAUL C MILLER-SPARTA, Sparta, MI. RNAV (GPS) RWY 25, ORIG... RNAV (GPS) RWY 7, ORIG... DESCENT ANGLE 3.04/TCH 40 NA. 29 MAY 15:57 2018 UNTIL 08 JAN 15:57 2019 ESTIMATED. CREATED: 29 MAY 15:57 2018

!FDC 8/5294 K35D IAP PADGHAM FIELD, Allegan, MI. VOR RWY 29, AMDT 14A... PROCEDURE NA. 29 MAY 17:42 2018 UNTIL 08 JAN 17:42 2019 ESTIMATED. CREATED: 29 MAY 17:42 2018

!FDC 8/9483 KBIV IAP WEST MICHIGAN RGNL, Holland, MI. VOR-A, AMDT 10D... PROCEDURE NA. 23 OCT 18:09 2018 UNTIL 04 JUN 18:09 2019 ESTIMATED. CREATED: 23 OCT 18:09 2018

!FDC 8/3616 K3GM IAP GRAND HAVEN MEMORIAL AIRPARK, Grand Haven, MI. VOR-A, AMDT 16A... PROCEDURE NA. 20 DEC 14:31 2018 UNTIL 20 DEC 14:30 2020 ESTIMATED. CREATED: 20 DEC 14:31 2018

!FDC 8/4956 KMKE IAP GENERAL MITCHELL INTL, Milwaukee, WI. ILS OR LOC RWY 19R, AMDT 13 ... CHANGE ALTITUDE AT BAYZE INT TO *1300. TEMP CRANE 991 MSL 5.79 NM NORTH OF RWY 19R (2018-AGL-2965-OE). 03 OCT 18:35 2018 UNTIL 15 MAY 18:35 2019 ESTIMATED. CREATED: 03 OCT 18:35 2018

!FDC 8/3461 KMKE IAP GENERAL MITCHELL INTL, Milwaukee, WI. ILS OR LOC RWY 19R, AMDT 13... CIRCLING MDA 1300/HAA 571 ALL CATS, VIS CATS C 1 5/8. TEMPORARY CRANE 934FT MSL 260FT AGL 5103FT SW OF APCH END RWY 19R. (2018-AGL-8212-NRA). 08 NOV 19:42 2018 UNTIL 20 JUN 19:42 2019 ESTIMATED. CREATED: 08 NOV 19:42 2018

!FDC 8/3460 KMKE IAP GENERAL MITCHELL INTL, Milwaukee, WI. LOC RWY 25L, AMDT 6... RNAV (GPS) RWY 19L, AMDT 1... RNAV (GPS) RWY 19R, AMDT 2B... RNAV (GPS) RWY 1L, AMDT 2... RNAV (GPS) RWY 1R, AMDT 1... RNAV (GPS) RWY 25R, AMDT 1... RNAV (GPS) RWY 31, AMDT 1... RNAV (GPS) Z RWY 25L, AMDT 1D... RNAV (GPS) Z RWY 7R, AMDT 1E... CIRCLING MDA 1300/HAA 571 ALL CATS. VIS CATS C 1 5/8. TEMPORARY CRANE, 934FT MSL, 260FT AGL, 2507FT WEST OF KMKE (2018-AGL-8212-NRA). 08 NOV 19:42 2018 UNTIL 20 JUN 19:42 2019 ESTIMATED. CREATED: 08 NOV 19:42 2018

!FDC 8/3455 KMKE IAP GENERAL MITCHELL INTL, Milwaukee, WI. ILS OR LOC RWY 1L, AMDT 10... ILS OR LOC RWY 7R, AMDT 16C... CIRCLING CATS A/B/C MDA 1300/HAA 571. VIS CAT C 1 5/8. TEMPORARY CRANE, 934FT MSL, 260FT AGL, 2507FT WEST OF KMKE (2018-AGL-8212-NRA). 08 NOV 19:42 2018 UNTIL 20 JUN 19:42 2019 ESTIMATED. CREATED: 08 NOV 19:42 2018

!FDC 8/3454 KMKE IAP GENERAL MITCHELL INTL, Milwaukee, WI. RNAV (GPS) RWY 13, AMDT 1... LNAV MDA 1260/HAT 590 ALL CATS. VIS CATS C/D 1 3/4. DISREGARD FIKUP FIX AND FIKUP FIX ALTITUDE. VDP NA. CIRCLING MDA 1300/HAA 571 ALL CATS, VIS CAT C 1 5/8. TEMPORARY CRANE, 934FT MSL, 260FT AGL, 3863FT SOUTH OF APCH END RWY 13 (2018-AGL-8212-NRA). 08 NOV 19:42 2018 UNTIL 20 JUN 19:42 2019 ESTIMATED. CREATED: 08 NOV 19:42 2018

!FDC 8/3451 KMKE IAP GENERAL MITCHELL INTL, Milwaukee, WI. RNAV (GPS) RWY 7L, AMDT 1... LNAV MDA 1240/HAT 568 ALL CATS. VIS CAT C 1 5/8. CIRCLING MDA CATS A/B/C 1300/HAA 571, VIS CAT C 1 5/8. VDP 1.62NM TO RW07L. TEMPORARY CRANE, 934FT MSL, 260FT AGL, 1841FT SOUTH OF APCH END RWY 07L (2018-AGL-8212-NRA). 08 NOV 19:42 2018 UNTIL 20 JUN 19:42 2019 ESTIMATED. CREATED: 08 NOV 19:42 2018

!FDC 8/0221 KMKE IAP GENERAL MITCHELL INTL, Milwaukee, WI. LOC RWY 25L, AMDT 6... CHANGE HOLD-IN-LIEU AT CITKI INBOUND COURSE TO 255.66. 13 SEP

12:20 2018 UNTIL 25 APR 12:20 2019 ESTIMATED. CREATED: 13 SEP 12:20 2018

!FDC 8/9976 KMWC IAP LAWRENCE J TIMMERMAN, Milwaukee, WI. RNAV (GPS) RWY 22R, ORIG-D... DISREGARD PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT PROOT ON V2. 13 SEP 11:15 2018 UNTIL 25 APR 11:15 2019 ESTIMATED. CREATED: 13 SEP 11:15 2018

!FDC 8/4479 KETB IAP WEST BEND MUNI, West Bend, WI. RNAV (GPS) RWY 6, ORIG-B... LNAV MDA 1460/HAT 573 ALL CATS. CIRCLING CAT A/B MDA 1460/HAA 573. 22 AUG 14:53 2018 UNTIL 03 APR 14:52 2019 ESTIMATED. CREATED: 22 AUG 14:53 2018

!FDC 8/4154 KUES IAP WAUKESHA COUNTY, Waukesha, WI. RNAV (GPS) RWY 28, ORIG... TERMINAL ROUTE: BAE VORTAC TO WIGBA NA. NOTE: RADAR REQUIRED FOR PROCEDURE ENTRY. 25 MAY 17:24 2018 UNTIL 04 JAN 17:24 2019 ESTIMATED. CREATED: 25 MAY 17:25 2018

!FDC 8/3498 KUES ODP WAUKESHA COUNTY, Waukesha, WI. TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES AMDT 6... NOTE: RWY 18, BUILDING, 763FT FROM DER, 462FT LEFT OF CENTERLINE, 24FT AGL/951FT MSL. ALL OTHER DATA REMAINS AS PUBLISHED. 05 SEP 12:04 2018 UNTIL 17 APR 12:04 2019 ESTIMATED. CREATED: 05 SEP 12:04 2018

!FDC 8/2677 KUES IAP WAUKESHA COUNTY, Waukesha, WI. VOR-A, AMDT 16... PROCEDURE NA. VOR OUT OF TOLERANCE - BELOW SERVICE VOLUME. 17 SEP 22:45 2018 UNTIL 29 APR 22:41 2019 ESTIMATED. CREATED: 17 SEP 22:46 2018

!FDC 8/3951 KHXF ODP HARTFORD MUNI, Hartford, WI. TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES ORIG... CHART: TAKEOFF MINIMUMS: RWYS 18, 36, NA - ENVIRONMENTAL, RWYS 11, 29, STANDARD. DELETE ALL REFERENCES OF RWYS 1, 19. ALL OTHER DATA REMAINS AS PUBLISHED. THIS IS TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES, ORIG-A. 18 SEP 20:49 2018 UNTIL PERM. CREATED: 18 SEP 20:50 2018

!FDC 8/2415 KRYV IAP WATERTOWN MUNI, Watertown, WI. NDB RWY 23, AMDT 2A... NDB RWY 5, AMDT 1E... PROCEDURE NA. 28 NOV 12:22 2018 UNTIL 28 NOV 12:21 2020 ESTIMATED. CREATED: 28 NOV 12:24 2018

!FDC 8/1603 KRYV ODP WATERTOWN MUNI, Watertown, WI. TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES ORIG... TEXTUAL DEPARTURE PROCEDURE NA. 27 NOV 16:22 2018 UNTIL 27 NOV 16:22 2020 ESTIMATED. CREATED: 27 NOV 16:23 2018

!FDC 8/1358 KRYV IAP WATERTOWN MUNI, Watertown, WI. RNAV (GPS) RWY 5, ORIG... DISREGARD NOTE: DME/DME RNP-0.3 NA. DISREGARD NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. DISREGARD NOTE: STRAIGHT-IN MINIMUMS TO RWY 5 AND CIRCLING TO RWY 5/23 NA AT NIGHT. ADD NOTE: CIRCLING RWY

23 NA AT NIGHT. PBN REQUIREMENTS NOTE: RNP APCH. 27 NOV 13:50 2018 UNTIL 27 NOV 13:50 2020 ESTIMATED. CREATED: 27 NOV 13:50 2018

!FDC 8/6259 KUNU ODP DODGE COUNTY, Juneau, WI. TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES ORIG... TAKE-OFF MINIMUMS: RWY 20, 300-1 OR STANDARD WITH MINIMUM CLIMB OF 432 FT PER NM TO 1200. NOTE: RWY 2, TREES 509 FT FROM DER, 526 FT LEFT OF CENTERLINE, UP TO 55 FT AGL/969 FT MSL. OL ON WSK, 517 FT FROM DER, 394 FT RIGHT OF CENTERLINE, 14 FT AGL/958 FT MSL. TREES AND POLES BEGINNING 561 FT FROM DER, 536 FT RIGHT OF CENTERLINE, UP TO 47 FT AGL/990 FT MSL. ANTENNA 888 FT FROM DER, 414 FT RIGHT OF CENTERLINE, 23 FT AGL/966 FT MSL. RWY 8, BLDGS BEGINNING 372 FT FROM DER, 390 FT LEFT OF CENTERLINE, UP TO 33 FT AGL/976 FT MSL. TREES BEGINNING 564 FT FROM DER, 363 FT LEFT OF CENTERLINE, UP TO 45 FT AGL/989 FT MSL. POLE 573 FT FROM DER, 454 FT LEFT OF CENTERLINE, 24 FT AGL/967 FT MSL TREES BEGINNING 635 FT FROM DER, 72 FT RIGHT OF CENTERLINE, UP TO 69 FT AGL/987 FT MSL. ANTENNA 995 FT FROM DER, 691 FT RIGHT OF CENTERLINE, 44 FT AGL/962 FT MSL. RWY 26, TREES BEGINNING 664 FT FROM DER, ON CENTERLINE, UP TO 111 FT AGL/1036 FT MSL. POLE 1377 FT FROM DER, 611 FT LEFT OF CENTERLINE, 27 FT AGL/925 FT MSL. TREES BEGINNING 581 FT FROM DER, 111 FT RIGHT OF CENTERLINE, UP TO 86 FT AGL/1009 FT MSL. ALL OTHER DATA REMAINS AS PUBLISHED. 18 OCT 12:57 2018 UNTIL 30 MAY 12:57 2019 ESTIMATED. CREATED: 18 OCT 12:57 2018

!FDC 8/9587 KMSN IAP DANE COUNTY RGNL-TRUAX FIELD, Madison, WI. ILS OR LOC RWY 21, ORIG-C... ILS OR LOC/DME RWY 18, AMDT 2... ILS OR LOC/DME RWY 36, AMDT 2A... RADAR 1, AMDT 18... RNAV (GPS) RWY 14, AMDT 2E... RNAV (GPS) RWY 18, AMDT 2F... RNAV (GPS) RWY 21, AMDT 2C... RNAV (GPS) RWY 3, ORIG-D... RNAV (GPS) RWY 32, AMDT 2E... RNAV (GPS) RWY 36, AMDT 2E... CIRCLING CAT C MDA 1520/HAA 633 ALL CATS. VIS CAT C 1 3/4. CRANE, 1165FT MSL, 2.43 NM EAST OF KMSN (2018-AGL-1979-OE). 19 JUL 19:39 2018 UNTIL 28 FEB 19:39 2019 ESTIMATED. CREATED: 19 JUL 19:39 2018

!FDC 8/7913 KMSN IAP U.S. DOD DANE COUNTY RGNL-TRUAX FIELD, Madison, WI. HI - TACAN RWY 36, AMDT 1... HI TACAN RWY 18, AMDT 1A... CIRCLING CAT E MDA 1700/HAA 813. VIS CAT E 3. TOWER, 1343 MSL, 4.15 NM NE OF KMSN. 22 OCT 12:12 2018 UNTIL 03 JUN 12:11 2019 ESTIMATED. CREATED: 22 OCT 12:14 2018

!FDC 8/1327 KMSN IAP DANE COUNTY RGNL-TRUAX FIELD, Madison, WI. RNAV (GPS) RWY 3, ORIG-D... LPV DA 1060/HAT 200 ALL CATS. THIS IS RNAV (GPS) RWY 3, ORIG-E. 01 OCT 12:46 2018 UNTIL PERM. CREATED: 01 OCT 12:47 2018

!FDC 8/0664 KMSN IAP DANE COUNTY RGNL-TRUAX FIELD, Madison, WI. RADAR 1, AMDT 18... PROCEDURE NA. 01 OCT 05:01 2018 UNTIL 10 MAY 20:12 2019 ESTIMATED. CREATED: 28 SEP 20:15 2018

!FDC 8/1435 KC29 ODP MIDDLETON MUNI - MOREY FIELD, Middleton, WI. TAKEOFF

MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES AMDT 1... TAKEOFF
OBSTACLE NOTES: NOTE RWY 10, MULTIPLE TREES BEGINNING 584 FT FROM DER,
518 FT RIGHT OF CENTERLINE, 100 FT AGL/953 FT MSL. TREES BEGINNING 1152 FT
FROM DER, LEFT AND RIGHT OF CENTERLINE, 100 FT AGL/1005 FT MSL.. ALL
OTHER DATA REMAINS AS PUBLISHED. 27 NOV 15:48 2018 UNTIL 27 NOV 15:48 2020
ESTIMATED. CREATED: 27 NOV 15:49 2018

!FDC 8/0923 KC29 IAP MIDDLETON MUNI - MOREY FIELD, Middleton, WI. RNAV (GPS)
RWY 10, AMDT 1A... LNAV/VNAV DA 1621/HAT 693 ALL CATS. 13 SEP 19:19 2018
UNTIL 25 APR 19:19 2019 ESTIMATED. CREATED: 13 SEP 19:20 2018

!FDC 8/1764 KDLL ODP BARABOO-WISCONSIN DELLS RGNL, Baraboo, WI. TAKEOFF
MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES AMDT 1A... RWY 14, 32
NA, ENVIRONMENTAL. ALL OTHER DATA REMAINS AS PUBLISHED. 31 AUG 17:51
2018 UNTIL 12 APR 17:51 2019 ESTIMATED. CREATED: 31 AUG 17:51 2018

!FDC 8/0720 KC35 IAP REEDSBURG MUNI, Reedsburg, WI. RNAV (GPS) RWY 36, ORIG-
A... DELETE: DESCENT ANGLE 3.00/TCH 50. PROFILE NOTE: VISUAL SEGMENT -
OBSTACLES. 20 JUL 18:04 2018 UNTIL 01 MAR 18:04 2019 ESTIMATED. CREATED: 20
JUL 18:04 2018

!FDC 8/9984 KOVS IAP BOSCOBEL, Boscobel, WI. RNAV (GPS) RWY 7, ORIG-A...
PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT UKN VOR/DME ON V246
NORTHWESTBOUND. DISREGARD PLANVIEW NOTE: PROCEDURE NA FOR
ARRIVALS AT UKN VOR/DME ON V218 AND V246 NORTHWESTBOUND. 13 SEP 11:18
2018 UNTIL 25 APR 11:18 2019 ESTIMATED. CREATED: 13 SEP 11:19 2018

!FDC 8/9983 KOVS IAP BOSCOBEL, Boscobel, WI. RNAV (GPS) RWY 25, AMDT 1...
PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL AT BAULK ON V341 SOUTHWEST
BOUND. DISREGARD PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL AT BAULK
ON V218 SOUTHEAST BOUND AND ON V341 SOUTHWEST. 13 SEP 11:18 2018 UNTIL
25 APR 11:18 2019 ESTIMATED. CREATED: 13 SEP 11:19 2018

!FDC 8/6448 KCJJ IAP ELLEN CHURCH FIELD, Cresco, IA. GPS RWY 33, ORIG-A... S-33
CAT C VISIBILITY 1-3/8. CIRCLING CAT A/B/C MDA 1860/HAA 581. CHART NOTE:
PROCEDURE NA AT NIGHT. CHART NOTE: RWY 33 HELICOPTER VISIBILITY
REDUCTION BELOW 1 SM NOT AUTHORIZED. MSA FROM RWY 33 3900. CHART
DECORAH MUNI AWOS-3. MISSED APPROACH: CLIMB TO 2400 THEN CLIMBING
LEFT TURN TO 3000 DIRECT KANTE AND HOLD.. THIS IS GPS RWY 33, ORIG-B. 10
SEP 12:06 2018 UNTIL PERM. CREATED: 10 SEP 12:06 2018

!FDC 8/6447 KCJJ IAP ELLEN CHURCH FIELD, Cresco, IA. GPS RWY 15, ORIG-A...
CHART NOTE: PROCEDURE NA AT NIGHT. CHART NOTE: RWY 15 HELICOPTER
VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED. CHART DECORAH MUNI
AWOS-3. MSA FROM RWY 15 3900. MISSED APPROACH: CLIMB TO 2400 THEN
CLIMBING LEFT TURN TO 3000 DIRECT HOBIT AND HOLD. THIS IS GPS RWY 15,

ORIG-B. 10 SEP 12:05 2018 UNTIL PERM. CREATED: 10 SEP 12:05 2018

!FDC 8/7587 KFKA IAP FILLMORE COUNTY, Preston, MN. RNAV (GPS) RWY 11, ORIG-B... LPV VIS 1. 18 JUL 13:34 2018 UNTIL 27 FEB 13:34 2019 ESTIMATED. CREATED: 18 JUL 13:34 2018

!FDC 8/4911 IA50 SPECIAL MERCY MEDICAL CENTER, New Hampton, IA. COPTER RNAV (GPS) 038, ORIG... MSA ZUKEL 25 NM 2900. 30 OCT 18:15 2018 UNTIL 30 OCT 18:15 2019 ESTIMATED. CREATED: 30 OCT 18:16 2018

!FDC 8/8507 KAUM IAP AUSTIN MUNI, Austin, MN. VOR RWY 17, AMDT 2... PROCEDURE NA. 16 NOV 19:13 2018 UNTIL 16 NOV 19:13 2020 ESTIMATED. CREATED: 16 NOV 19:13 2018

!FDC 8/1176 KMCW IAP MASON CITY MUNI, Mason City, IA. RNAV (GPS) RWY 18, AMDT 2A... LPV DA 1464/HAT 250. CIRCLING HAA CAT A 446, CAT B 466, CAT C 546, CAT D MDA 1780/HAA 566. CHANGE INOPERATIVE TABLE NOTE TO READ: INOPERATIVE TABLE DOES NOT APPLY TO LPV AND LNAV/VNAV. CHANGE LOCAL ALTIMETER NOTE TO READ: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE CHARLES CITY ALTIMETER SETTING AND INCREASE ALL DA TO 1551 FEET AND ALL VISIBILITIES 1/8 MILE; INCREASE ALL MDA 100 FT AND LNAV CATS C AND D AND CIRCLING CAT C VISIBILITY 1/4 MILE. CHANGE FOR INOPERATIVE MALS NOTE TO READ: FOR INOPERATIVE MALS WHEN USING CHARLES CITY ALTIMETER SETTING, INCREASE LPV, LNAV/VNAV CAT D VISIBILITY TO 1 1/8 MILE AND LNAV CATS C AND D TO 1 3/8 MILE. NOTE: FOR INOPERATIVE MALS, INCREASE LNAV CAT D VISIBILITY TO 1 MILE. APT EL 1214. 10 JUL 14:52 2018 UNTIL 28 FEB 14:52 2019 ESTIMATED. CREATED: 10 JUL 14:52 2018

!FDC 8/3994 Kael IAP ALBERT LEA MUNI, Albert Lea, MN. VOR/DME RWY 35, AMDT 1B... S-35 MDA/HAT 1740/479 ALL CATS. VDP NA. CHANGE LOCAL ALTIMETER SETTING NOTE TO READ; WHEN USING AUSTIN ALTIMETER SETTING, INCREASE ALL MDAS 60 FEET AND INCREASE VISIBILITY S-35 CAT C 1/8 SM. 05 SEP 17:48 2018 UNTIL 17 APR 17:48 2019 ESTIMATED. CREATED: 05 SEP 17:48 2018

!FDC 8/1848 Kael IAP ALBERT LEA MUNI, ALBERT LEA, MN. VOR RWY 17, AMDT 1A... DME REQUIRED EXCEPT FOR AIRCRAFT EQUIPPED WITH SUITABLE RNAV SYSTEM WITH GPS, JAY VOR/DME OUT OF SERVICE. 11 OCT 19:59 2018 UNTIL 16 JAN 19:59 2019 ESTIMATED. CREATED: 11 OCT 19:59 2018

!FDC 8/5841 KFXV ODP FOREST CITY MUNI, Forest City, IA. TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES, AMDT 2 ... CHANGE: DEPARTURE PROCEDURE: RWY 33, CLIMB HEADING 332 TO 1900 FT BEFORE TURNING RIGHT. NOTE: RWY 33, TOWER 2.55 NM FROM DER, 1721 FT MSL / 410 AGL. ALL OTHER DATA REMAINS AS PUBLISHED. 16 JUL 18:54 2018 UNTIL 25 FEB 18:54 2019 ESTIMATED. CREATED: 16 JUL 18:55 2018

!FDC 8/1831 KFXV IAP FOREST CITY MUNI, Forest City, IA. NDB RWY 33, AMDT 2B...
NOTE: NIGHT LANDING: RWY 9, 27, 33 NA. DISREGARD NOTE: WHEN VGSI INOP,
STRAIGHT-IN/CIRCLING RWY 33 PROCEDURE NA AT NIGHT. DISREGARD NOTE:
WHEN VGSI INOP, CIRCLING RWY 15 NA AT NIGHT. DISREGARD NOTE: CIRCLING
TO RWY 9/27 NA AT NIGHT. 27 NOV 19:02 2018 UNTIL 27 NOV 19:02 2020
ESTIMATED. CREATED: 27 NOV 19:03 2018

!FDC 8/1815 KFXV IAP FOREST CITY MUNI, Forest City, IA. RNAV (GPS) RWY 33,
ORIG-A... NOTE: NIGHT LANDING: RWY 9, 27, 33 NA. DISREGARD NOTE: CIRCLING
TO RWY 9-27 NA AT NIGHT. DISREGARD NOTE: WHEN VGSI INOP, PROCEDURE NA
AT NIGHT. 27 NOV 18:59 2018 UNTIL 27 NOV 18:59 2020 ESTIMATED. CREATED: 27
NOV 19:00 2018

!FDC 8/1489 KFXV IAP FOREST CITY MUNI, Forest City, IA. VOR/DME-A, AMDT 3A...
NOTE: NIGHT LANDING: RWY 9, 27, 33 NA. DISREGARD NOTE: CIRCLING TO RWY
9-27 NA AT NIGHT. DISREGARD NOTE: WHEN VGSI INOP, PROCEDURE NA AT
NIGHT. NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT
AUTHORIZED. 27 NOV 16:05 2018 UNTIL 27 NOV 16:05 2020 ESTIMATED. CREATED:
27 NOV 16:06 2018

!FDC 8/1560 KAXA IAP ALGONA MUNI, Algona, IA. RNAV (GPS) RWY 30, AMDT 1B...
NOTE: NIGHT LANDING: RWY 12 NA. 31 AUG 14:35 2018 UNTIL 12 APR 14:35 2019
ESTIMATED. CREATED: 31 AUG 14:36 2018

!FDC 8/4363 KFRM IAP FAIRMONT MUNI, Fairmont, MN. VOR/DME RWY 13, AMDT
1B... NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NA. 22 AUG 14:04
2018 UNTIL 03 APR 14:04 2019 ESTIMATED. CREATED: 22 AUG 14:08 2018

!FDC 8/0244 KFRM IAP FAIRMONT MUNI, Fairmont, MN. COPTER ILS RWY 31, ORIG-
B... ILS OR LOC RWY 31, ORIG-E... PROCEDURE NA EXCEPT FOR AIRCRAFT
EQUIPPED WITH SUITABLE RNAV SYSTEM WITH GPS, FRM VOR OUT OF SERVICE.
28 SEP 10:13 2018 UNTIL 10 MAY 10:13 2019 ESTIMATED. CREATED: 28 SEP 10:13 2018

!FDC 8/9195 KMJQ IAP JACKSON MUNI, Jackson, MN. RNAV (GPS) RWY 13, AMDT
1A... MISSED APPROACH: CLIMB TO 4200 DIRECT MCQIN AND HOLD SE, RT, 315.00
INBOUND. 20 NOV 14:53 2018 UNTIL 20 NOV 14:52 2020 ESTIMATED. CREATED: 20
NOV 14:53 2018

!FDC 8/0505 1IA3 SPECIAL SPENCER MUNI HOSPITAL, Spencer, IA. COPTER RNAV
(GPS) 285, ORIG... H-285 MDA 1760/HAS 418. TOWER, 1726 MSL, 5701 FT NORTH OF
HELIPORT. 24 OCT 13:52 2018 UNTIL 05 JUN 13:52 2019 ESTIMATED. CREATED: 24
OCT 13:53 2018

!FDC 8/7175 K4D8 IAP FULLER, Milford, IA. VOR/DME OR GPS-A, ORIG-B...
PROCEDURE NA EXCEPT FOR AIRCRAFT EQUIPPED WITH SUITABLE RNAV
SYSTEM WITH GPS. 24 SEP 12:33 2018 UNTIL 06 MAY 12:33 2019 ESTIMATED.

CREATED: 24 SEP 12:33 2018

!FDC 8/6651 K4D8 ODP FULLER, Milford, IA. TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES ORIG... TAKEOFF MINIMUMS: RWY 18, 36, NA-ENVIRONMENTAL. RWY 9, 300-1. RWY 27, 600-2 1/2. CHANGE DEPARTURE PROCEDURE TO READ: RWY 9, CLIMB RUNWAY HEADING TO 2000 BEFORE TURNING. ALL OTHER DATA REMAINS AS PUBLISHED. 10 SEP 17:36 2018 UNTIL 22 APR 17:36 2019 ESTIMATED. CREATED: 10 SEP 17:36 2018

!FDC 8/9010 KSPW IAP SPENCER MUNI, Spencer, IA. ILS OR LOC RWY 12, AMDT 2A... S-LOC 12 MDA 1840/HAT 501 ALL CATS, VISIBILITY CATS C/D 1. CIRCLING CATS A/B/C MDA 1840/HAA 501. 19 NOV 17:05 2018 UNTIL 01 JUL 17:05 2019 ESTIMATED. CREATED: 19 NOV 17:07 2018

!FDC 8/2857 KRRQ IAP ROCK RAPIDS MUNI, Rock Rapids, IA. GPS RWY 34, ORIG... NOTE: PROCEDURE NA AT NIGHT. NOTE: RWY 16 HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED. NOTE: RWY 34 HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED. 12 JUN 15:25 2018 UNTIL 22 JAN 15:25 2019 ESTIMATED. CREATED: 12 JUN 15:25 2018

!FDC 8/2855 KRRQ IAP ROCK RAPIDS MUNI, Rock Rapids, IA. GPS RWY 16, ORIG... NOTE: PROCEDURE NA AT NIGHT. NOTE: RWY 16 HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED. NOTE: RWY 34 HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED. 12 JUN 15:23 2018 UNTIL 22 JAN 15:23 2019 ESTIMATED. CREATED: 12 JUN 15:23 2018

!FDC 8/4641 KFSD IAP JOE FOSS FIELD, Sioux Falls, SD. RNAV (GPS) RWY 15, AMDT 1A... LNAV/VNAV DA 1909/HAT 480. 30 OCT 14:31 2018 UNTIL 11 JUN 14:31 2019 ESTIMATED. CREATED: 30 OCT 14:32 2018

!FDC 8/4345 95NC SPECIAL ONSLOW MEMORIAL HOSPITAL, JACKSONVILLE, NC. COPTER RNAV (GPS) COPTER RNAV (GPS) 272, ORIG... MDA 500. 24 DEC 00:30 2018 UNTIL 31 DEC 23:59 2019. CREATED: 24 DEC 00:08 2018

!FDC 8/4344 95NC SPECIAL ONSLOW MEMORIAL HOSPITAL, JACKSONVILLE, NC. HUTSU ONE DEPARTURE... NOT AUTHORIZED. 24 DEC 00:30 2018 UNTIL 31 DEC 23:59 2019. CREATED: 24 DEC 00:07 2018

!FDC 8/4628 KOMA IAP EPPLEY AIRFIELD, Omaha, NE. RNAV (RNP) Z RWY 36, ORIG-B... RNP 0.30 DA 1469/HAT 490. TEMPORARY CRANE, 5477FT SOUTH OF APCH END RWY 36 (2018-ACE-7645-OE). 31 OCT 12:00 2018 UNTIL 14 MAR 14:24 2019 ESTIMATED. CREATED: 30 OCT 14:24 2018

!FDC 8/4627 KOMA IAP EPPLEY AIRFIELD, Omaha, NE. RNAV (GPS) Y RWY 36, AMDT 2... LNAV MDA 1440/HAT 461 ALL CATS. VDP NA. TEMPORARY CRANE, 5477FT SOUTH OF APCH END RWY 36 (2018-ACE-7645-OE). 31 OCT 12:00 2018 UNTIL 14 MAR

14:24 2019 ESTIMATED. CREATED: 30 OCT 14:24 2018

!FDC 8/2044 KOMA IAP EPPLEY AIRFIELD, Omaha, NE. RNAV (RNP) Z RWY 14R, ORIG-C... RNP 0.30 DA 1500/DA 515. 17 DEC 19:28 2018 UNTIL 17 DEC 19:28 2020 ESTIMATED. CREATED: 17 DEC 19:29 2018

!FDC 8/0813 KOMA ODP EPPLEY AIRFIELD, Omaha, NE. TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES AMDT 6A... TAKEOFF OBSTACLE NOTES: RWY 18, TEMPORARY CRANE, 5281FT FROM DER, 1449FT LEFT OF CENTERLINE, 130FT AGL/1127FT MSL (2018-ACE-7645-OE). ALL OTHER DATA REMAINS AS PUBLISHED. 13 DEC 18:10 2018 UNTIL 16 MAR 18:10 2019 ESTIMATED. CREATED: 13 DEC 18:11 2018

***** All General FDC NOTAMs *****

All published NOTAMs are available in the Notices to Airmen Publication (NTAP).

!FDC 8/8229 KZAU MI..ROUTE ZAU ZMP. V271 MUSKEGON (MKG) VORTAC, MI R-353 TO WELKO, MI NA. 04 JUN 19:18 2018 UNTIL 14 JAN 19:18 2019 ESTIMATED. CREATED: 04 JUN 19:18 2018

!FDC 8/8212 KZAU MI..ROUTE ZAU. V2 MUSKEGON (MKG) VORTAC, MI R-115 TO SARAN, MI NA. 04 JUN 19:16 2018 UNTIL 14 JAN 19:16 2019 ESTIMATED. CREATED: 04 JUN 19:16 2018

!FDC 8/8209 KZAU MI..ROUTE ZAU ZOB. V450 MUSKEGON (MKG) VORTAC, MI R-095 TO CFCCV, MI NA. 04 JUN 19:15 2018 UNTIL 14 JAN 19:15 2019 ESTIMATED. CREATED: 04 JUN 19:15 2018

!FDC 8/8191 KZAU MI..ROUTE ZAU. V510 GAYLE, MI TO JAKES, MI NA. 04 JUN 19:13 2018 UNTIL 14 JAN 19:13 2019 ESTIMATED. CREATED: 04 JUN 19:13 2018

!FDC 8/8129 KZAU WI..ROUTE ZAU. V7 TALOR, WI MCA 6000 NORTHBOUND. 04 JUN 18:48 2018 UNTIL 14 JAN 18:47 2019 ESTIMATED. CREATED: 04 JUN 18:48 2018

!FDC 8/7345 KZAU MI..ROUTE ZAU. V55 PULLMAN (PMM) VOR/DME, MI TO YULNU, MI NA. 07 DEC 14:15 2018 UNTIL 07 DEC 14:12 2020 ESTIMATED. CREATED: 07 DEC 14:16 2018

!FDC 8/7216 KZAU MI..ROUTE ZAU. V193 PULLMAN (PMM) VOR/DME, MI TO CLOCK, MI NA EXCEPT FOR AIRCRAFT EQUIPPED WITH SUITABLE RNAV SYSTEM WITH GPS. 24 SEP 14:45 2018 UNTIL 29 APR 14:45 2019 ESTIMATED. CREATED: 24 SEP 14:46 2018

!FDC 8/7215 KZAU MI..ROUTE ZAU. V193 CLOCK, MI TO WHITE CLOUD (HIC) VOR/DME, MI MEA 4000. 24 SEP 14:45 2018 UNTIL 29 APR 14:45 2019 ESTIMATED.

CREATED: 24 SEP 14:46 2018

!FDC 8/7213 KZAU MI..ROUTE ZAU. V285 VICTORY (VIO) VOR/DME, MI TO WHITE CLOUD (HIC) VOR/DME, MI MEA 4000. 24 SEP 14:45 2018 UNTIL 29 APR 14:45 2019 ESTIMATED. CREATED: 24 SEP 14:46 2018

!FDC 8/6796 KZAU IA..ROUTE ZAU. V67 LYERS INT, IA MRA 4000. TNU VOR R-043 UNUSABLE BELOW 4000. 21 SEP 20:06 2018 UNTIL 21 SEP 15:05 2020 ESTIMATED. CREATED: 21 SEP 20:06 2018

!FDC 8/6470 KZAU MI..ROUTE ZAU. V215 JYBEE, MI TO WHITE CLOUD (HIC) VOR/DME, MI NA. 10 SEP 13:39 2018 UNTIL 22 APR 13:38 2019 ESTIMATED. CREATED: 10 SEP 13:40 2018

!FDC 8/6120 KZAU IL..ROUTE ZAU. V84 NORTHBROOK (OBK) VOR/DME, IL R-081 TO PAPPI INT, IL MOCA 2000. 23 AUG 18:02 2018 UNTIL 04 APR 18:02 2019 ESTIMATED. CREATED: 23 AUG 18:03 2018

!FDC 8/5310 KZAU IL..ROUTE ZAU. V7 CHICAGO HEIGHTS (CGT) VORTAC, IL TO NILES, IL DUAL MEA 3400 NORTHBOUND 2500 SOUTHBOUND. 29 MAY 17:43 2018 UNTIL 08 JAN 17:43 2019 ESTIMATED. CREATED: 29 MAY 17:43 2018

!FDC 8/5292 KZAU IL..ROUTE ZAU. V97 CHICAGO HEIGHTS (CGT) VORTAC, IL TO NILES, IL DUAL MEA 3400 NORTHBOUND 2500 SOUTHBOUND. 29 MAY 17:41 2018 UNTIL 08 JAN 17:41 2019 ESTIMATED. CREATED: 29 MAY 17:41 2018

!FDC 8/5287 KZAU IL..ROUTE ZAU. V422 CHICAGO HEIGHTS (CGT) VORTAC, IL TO NILES, IL DUAL MEA 3400 NORTHBOUND 2500 SOUTHBOUND. 29 MAY 17:40 2018 UNTIL 08 JAN 17:40 2019 ESTIMATED. CREATED: 29 MAY 17:40 2018

!FDC 8/5160 KZAU IN..ROUTE ZAU ZOB. V8 GAREN, IN TO TWERP, OH MOCA 2400. 29 JUN 16:06 2018 UNTIL 08 FEB 16:06 2019 ESTIMATED. CREATED: 29 JUN 16:07 2018

!FDC 8/4788 KZAU IL..AIRSPACE URBANA, IL..LASER LGT RESEARCH WI AN AREA DEFINED AS 401003N880934W OR THE CHAMPAIGN/CMV/VORTAC 034 DEGREE RADIAL 10NM SFC-FL410. LASER LGT BEAMS WILL BE TERMINATED IF NON-PARTICIPATING ACFT ARE DETECTED ENTERING THE AFFECTED AREA. LASER LGT BEAMS MAY BE INJUROUS TO PILOTS/PASSENGERS EYES WI 40000FT AGL VERTICALLY AND 1054FT Laterally OF THE LIGHT SOURCE. FLASH BLINDNESS OR COCKPIT ILLUMINATION MAY OCCUR BEYOND THESE DISTANCES. CHICAGO /ZAU/ ARTCC TELEPHONE 630-906-8341 IS THE FAA COORDINATION FACILIY. DLY 0500-0900. 06 APR 19:15 2018 UNTIL 01 APR 09:00 2019. CREATED: 06 APR 19:17 2018

!FDC 8/3040 KZAU IA..ROUTE ZAU ZKC. J233 KIRKSVILLE (IRK) VORTAC, MO TO WATERLOO (ALO) VOR/DME, IA MAA 27000 EXCEPT FOR AIRCRAFT EQUIPPED WITH SUITABLE RNAV SYSTEM WITH GPS. 19 DEC 15:52 2018 UNTIL 19 DEC 15:52

2020 ESTIMATED. CREATED: 19 DEC 15:53 2018

!FDC 8/2117 KZAU IN..ROUTE ZAU. V8 RABBT, IN TO COP MEA 4500. GSH VORTAC UNUSABLE. 11 JUN 18:16 2018 UNTIL 21 JAN 18:16 2019 ESTIMATED. CREATED: 11 JUN 18:16 2018

!FDC 8/2115 KZAU IN..ROUTE ZAU ZOB. V126, V92 BAGEL, IN TO EDGE, OH MEA 5000. GSH VORTAC UNUSABLE. 11 JUN 18:14 2018 UNTIL 21 JAN 18:14 2019 ESTIMATED. CREATED: 11 JUN 18:14 2018

!FDC 8/1637 KZAU MI..ROUTE ZAU. V170 ENKOW, WI TO LESSY, MI NA. MKG VORTAC. 01 OCT 14:42 2018 UNTIL 13 MAY 14:40 2019 ESTIMATED. CREATED: 01 OCT 14:43 2018

!FDC 8/1552 KZAU MI..ROUTE ZAU ZMP. V450 RABEE, WI TO MOTAN, MI MEA 3500. MKG VOR MKG R-313 UNUSABLE BELOW 3500 BEYOND 25NM TO COP. 01 OCT 14:27 2018 UNTIL 13 MAY 14:27 2019 ESTIMATED. CREATED: 01 OCT 14:27 2018

!FDC 8/1183 KZAU WI..ROUTE ZAU. V218 BAULK, WI TO ROCKFORD (RFD) VOR/DME, IL MOCA 2600. 25 JUN 15:15 2018 UNTIL 04 FEB 15:15 2019 ESTIMATED. CREATED: 25 JUN 15:15 2018

!FDC 8/0998 KZAU IL..ROUTE ZAU ZMP. J89 BADGER (BAE) VORTAC, WI TO DULUTH (DLH) VORTAC, MN NA EXCEPT FOR AIRCRAFT EQUIPPED WITH SUITABLE RNAV SYSTEM WITH GPS. BAE VORTAC UNUSABLE. 26 NOV 18:31 2018 UNTIL 26 NOV 18:31 2020 ESTIMATED. CREATED: 26 NOV 18:32 2018

!FDC 8/0404 KZAU WI..ROUTE ZAU. V24 GLARS, WI TO JANESVILLE (JVL) VOR/DME, WI MOCA 2400. 09 JUL 19:42 2018 UNTIL 18 FEB 19:42 2019 ESTIMATED. CREATED: 09 JUL 19:42 2018

!FDC 8/0381 KZAU IA..ROUTE ZAU. V63 BURLINGTON (BRL) VOR/DME, IA TO MOLINE (MZV) VORTAC, IL MEA 3100. 28 SEP 14:05 2018 UNTIL 10 MAY 14:05 2019 ESTIMATED. CREATED: 28 SEP 14:05 2018

!FDC 8/0314 KZAU IN..ROUTE ZAU ZID. V51 SHELBYVILLE (SHB) VORTAC, IN TO OCKEL, IN MEA 5000. 28 SEP 13:51 2018 UNTIL 10 MAY 13:51 2019 ESTIMATED. CREATED: 28 SEP 13:51 2018

!FDC 8/0289 KZAU WI..ROUTE ZAU. V7 PETTY, WI TO FALLS (FAH) VOR/DME, WI NA. 28 SEP 13:36 2018 UNTIL 10 MAY 13:36 2019 ESTIMATED. CREATED: 28 SEP 13:37 2018

!FDC 8/9542 KZOB NY..ROUTE ZOB ZNY. V270 WOMAN, NY TO ELMIRA (ULW) VOR/DME, NY MEA 10000. 21 NOV 17:10 2018 UNTIL 21 NOV 17:10 2020 ESTIMATED. CREATED: 21 NOV 17:10 2018

!FDC 8/9495 KZOB PA..ROUTE ZOB. V184 ERIE (ERI) VORTAC, PA TO TIDIOUTE (TDT) VORTAC, PA MEA 4000. 21 NOV 16:21 2018 UNTIL 21 NOV 16:20 2020 ESTIMATED. CREATED: 21 NOV 16:22 2018

!FDC 8/8204 KZOB MI..ROUTE ZOB ZAU. V450 MUSKEGON (MKG) VORTAC, MI R-095 TO CFCCV, MI NA. 04 JUN 19:14 2018 UNTIL 14 JAN 19:14 2019 ESTIMATED. CREATED: 04 JUN 19:14 2018

!FDC 8/5156 KZOB IN..ROUTE ZOB ZAU. V8 GAREN, IN TO TWERP, OH MOCA 2400. 29 JUN 16:02 2018 UNTIL 08 FEB 16:02 2019 ESTIMATED. CREATED: 29 JUN 16:04 2018

!FDC 8/4301 KZOB PA..ROUTE ZOB. V469 JOHNSTOWN (JST) VORTAC, PA MCA 10000 WESTBOUND. 25 MAY 18:43 2018 UNTIL 04 JAN 18:43 2019 ESTIMATED. CREATED: 25 MAY 18:43 2018

!FDC 8/4289 KZOB MI..AIRSPACE ANN ARBOR, MI..LASER LGT DEMONSTRATION WI AN AREA DEFINED AS 421336N0834321W (MICHIGAN AEROSPACE CORPORATION, ANN ARBOR, MI) OR THE SALEM /SVM/ VORTAC 207 DEG RADIAL AT 12NM SFC-1339FT AGL. LASER LGT BEAMS WILL BE TERMINATED IF NON PARTICIPATING ACFT ARE DETECTED ENTERING THE AFFECTED AREA. LASER LGT BEAMS MAY BE INJUROUS TO PILOT'S/PASSENGER'S EYES WI 1339FT VERTICALLY AND 2300FT Laterally OF THE LGT SOURCE. FLASH BLINDNESS OR COCKPIT ILLUMINATION MAY OCCUR BEYOND THESE DISTANCES. CLEVELAND /ZOB/ ARTCC TELEPHONE 440-774-0426 IS THE FAA CDN FACILITY DLY 0000-1000, 1200-1400. 04 OCT 00:00 2018 UNTIL 31 DEC 14:00 2018. CREATED: 03 OCT 14:25 2018

!FDC 8/3294 KZOB OH..ROUTE ZOB. V279 GUNNE, OH TO FLAG CITY (FBC) VORTAC, OH MOCA 2500. 12 JUL 13:19 2018 UNTIL 21 FEB 13:19 2019 ESTIMATED. CREATED: 12 JUL 13:20 2018

!FDC 8/3152 KZOB AIRSPACE FLT INFO SERVICE BCST (FIS-B) MAY NOT BE AVBL WI AN AREA DEFINED AS 29NM RADIUS OF 412821N0782521W. AP AIRSPACE AFFECTED INCLUDES BFD, DUJ, FIG AND OYM. SFC-3000FT. 19 DEC 17:50 2018 UNTIL 31 DEC 22:00 2018 ESTIMATED. CREATED: 19 DEC 17:48 2018

!FDC 8/2870 KZOB MI..ROUTE ZOB. T781 FLINT (FNT) VORTAC, MI TO KATTY, MI MOCA 2300. 04 SEP 18:50 2018 UNTIL 16 APR 18:50 2019 ESTIMATED. CREATED: 04 SEP 18:50 2018

!FDC 8/2113 KZOB IN..ROUTE ZOB ZAU. V126, V92 BAGEL, IN TO EDGE, OH MEA 5000. GSH VORTAC UNUSABLE. 11 JUN 18:11 2018 UNTIL 21 JAN 18:11 2019 ESTIMATED. CREATED: 11 JUN 18:11 2018

!FDC 8/2091 KZOB WV..ROUTE ZOB. V144 MORGANTOWN (MGW) VORTAC, WV

MCA 4600 SOUTHEASTBOUND. 17 DEC 20:24 2018 UNTIL 17 DEC 20:24 2020
ESTIMATED. CREATED: 17 DEC 20:25 2018

!FDC 8/1498 KZOB OH..ROUTE ZOB. V115 CAPEL, OH TO FRANKLIN (FKL) VOR, PA
DUAL MEA 6000 SOUTHWEST BOUND 3500 NORTHEAST BOUND. 01 OCT 14:18 2018
UNTIL 13 MAY 14:18 2019 ESTIMATED. CREATED: 01 OCT 14:18 2018

!FDC 8/1190 KZOB NY..ROUTE ZOB. V501 WELLSVILLE (ELZ) VORTAC, NY TO
BEEPS, NY MEA 5000 MOCA 4300. 25 JUN 15:24 2018 UNTIL 04 FEB 15:24 2019
ESTIMATED. CREATED: 25 JUN 15:24 2018

!FDC 8/0762 KZOB PA..ROUTE ZOB ZNY. V542 CAFKI, PA TO ELMIRA (ULW)
VOR/DME, NY MEA 10000. 26 NOV 16:54 2018 UNTIL 26 NOV 16:53 2020 ESTIMATED.
CREATED: 26 NOV 16:54 2018

!FDC 8/0130 KZOB PA..ROUTE ZOB ZNY. V184 TIDIOUTE (TDT) VORTAC, PA TO
PHILIPSBURG (PSB) VORTAC, PA MEA/MOCA 5200. 06 NOV 19:26 2018 UNTIL 18 JUN
19:26 2019 ESTIMATED. CREATED: 06 NOV 19:26 2018

!FDC 8/9753 KZMP MN..ROUTE ZMP. V175 ROSEAU (ROX) VOR/DME, MN TO U.S.
BORDER MOCA 2600. 02 AUG 15:00 2018 UNTIL 14 MAR 15:00 2019 ESTIMATED.
CREATED: 02 AUG 15:00 2018

!FDC 8/8215 KZMP MI..ROUTE ZMP ZAU. V271 MUSKEGON (MKG) VORTAC, MI R-353
TO WELKO, MI NA. 04 JUN 19:17 2018 UNTIL 14 JAN 19:17 2019 ESTIMATED.
CREATED: 04 JUN 19:17 2018

!FDC 8/5278 KZMP WI..ROUTE ZMP. V26 EDGRR, WI MCA 6000 EASTBOUND. 29 MAY
17:36 2018 UNTIL 08 JAN 17:36 2019 ESTIMATED. CREATED: 29 MAY 17:37 2018

!FDC 8/5269 KZMP MN..ROUTE ZMP. V175 REDWOOD FALLS (RWF) VOR/DME, MN
TO ALEXANDRIA (AXN) VOR/DME, MN MEA 3600. 29 MAY 17:32 2018 UNTIL 08 JAN
17:32 2019 ESTIMATED. CREATED: 29 MAY 17:33 2018

!FDC 8/3919 KZMP MN..ROUTE ZMP. V175 LINDE, IA TO MADUP, IA MOCA 3000. 21
DEC 15:48 2018 UNTIL 21 DEC 15:48 2020 ESTIMATED. CREATED: 21 DEC 15:49 2018

!FDC 8/2577 KZMP WI..ROUTE ZMP. V413 BITLR, WI TO GOPHER (GEP) VORTAC, MN
MEA 3500. 18 DEC 17:14 2018 UNTIL 18 DEC 17:14 2020 ESTIMATED. CREATED: 18
DEC 17:15 2018

!FDC 8/2571 KZMP MN..ROUTE ZMP. V510 GOPHER (GEP) VORTAC, MN TO BITLR,
WI MEA 3500. 18 DEC 17:14 2018 UNTIL 18 DEC 17:13 2020 ESTIMATED. CREATED: 18
DEC 17:14 2018

!FDC 8/2077 KZMP WI..ROUTE ZMP. V217 GREEN BAY (GRB) VORTAC, WI TO CECIL,

WI MOCA 2400. 17 DEC 20:06 2018 UNTIL 17 DEC 20:06 2020 ESTIMATED. CREATED: 17 DEC 20:07 2018

!FDC 8/1657 KZMP MN..ROUTE ZMP. V505 SQUEAK, MN TO BEBEL, MN MEA 10000. V505 BEBEL, MN TO INTERNATIONAL FALLS (INL) VOR/DME, MN MEA 7000. 01 OCT 14:59 2018 UNTIL 13 MAY 14:59 2019 ESTIMATED. CREATED: 01 OCT 15:00 2018

!FDC 8/1655 KZMP MN..ROUTE ZMP. V218 SQUEAK, MN TO BEBEL, MN MEA 10000. V218 BEBEL, MN TO INTERNATIONAL FALLS (INL) VOR/DME, MN MEA 7000. 01 OCT 14:58 2018 UNTIL 13 MAY 14:58 2019 ESTIMATED. CREATED: 01 OCT 14:59 2018

!FDC 8/1584 KZMP MN..ROUTE ZMP. V412 REDWOOD FALLS (RWF) VOR/DME, MN TO FLYING CLOUD (FCM) VOR/DME, MN MEA 4000. 01 OCT 14:34 2018 UNTIL 13 MAY 14:34 2019 ESTIMATED. CREATED: 01 OCT 14:34 2018

!FDC 8/1546 KZMP MI..ROUTE ZMP ZAU. V450 RABEE, WI TO MOTAN, MI MEA 3500. MKG VOR MKG R-313 UNUSABLE BELOW 3500 BEYOND 25NM TO COP. 01 OCT 14:25 2018 UNTIL 13 MAY 14:25 2019 ESTIMATED. CREATED: 01 OCT 14:26 2018

!FDC 8/1494 KZMP WI..ROUTE ZMP. V177 WAUSAU (AUW) VORTAC, WI TO HAYWARD (HYR) VOR/DME, WI NA. 01 OCT 14:12 2018 UNTIL 13 MAY 14:12 2019 ESTIMATED. CREATED: 01 OCT 14:13 2018

!FDC 8/1001 KZMP IL..ROUTE ZMP ZAU. J89 BADGER (BAE) VORTAC, WI TO DULUTH (DLH) VORTAC, MN NA EXCEPT FOR AIRCRAFT EQUIPPED WITH SUITABLE RNAV SYSTEM WITH GPS. BAE VORTAC UNUSABLE. 26 NOV 18:32 2018 UNTIL 26 NOV 18:32 2020 ESTIMATED. CREATED: 26 NOV 18:33 2018

!FDC 8/0323 KZMP WI..ROUTE ZMP. V177 HAYWARD (HYR) VOR/DME, WI TO DULUTH (DLH) VORTAC, MN NA. 28 SEP 13:55 2018 UNTIL 10 MAY 13:54 2019 ESTIMATED. CREATED: 28 SEP 13:55 2018

!FDC 8/0046 KZMP KS..ROUTE ZMP ZKC. V551 SALINA (SLN) VORTAC, KS TO MANKATO (TKO) VORTAC, KS MEA 6000. 09 JUL 18:05 2018 UNTIL 18 FEB 18:05 2019 ESTIMATED. CREATED: 09 JUL 18:05 2018

***** All International NOTAMs *****

All published NOTAMs are available in the Notices to Airmen Publication (NTAP).

KICZ 18/A0027 KICZ 20181223155000 PERM Security..United states of America advisory for the Kabul flight information region (OAKX). Those persons described IN paragraph A below are advised to exercise extreme caution when flying into, out of, within, OR over the Kabul flight information region (FIR) (OAKX) and operate only on established air routes and at altitudes at OR above flight level 330 to the maximum extent possible. High elevation terrain IN parts of Afghanistan May create the potential for some of the threats described IN paragraph C to be

encountered at OR above flight level 330 IN those areas. Such persons should also minimize ground time IN Afghanistan to the maximum extent possible. A. Applicability. This NOTAM applies to: all United States air carriers and commercial OPERATORS; all persons exercising the privileges of an airman certificate issued by the FAA, except such persons operating U.S.-Registered aircraft for A foreign air CARRIER; and all operators of aircraft registered IN the united states, except where the operator of such aircraft IS A foreign air carrier. B. Planning. Those persons described IN paragraph A planning to fly into, out of, within, OR over the above-named area must review current security/threat information and NOTAMS and comply with all applicable FAA regulations, operations specifications, management specifications, and letters of authorization, including updating B450. C. Operations. Exercise extreme caution during flight operations. Due to ongoing military operations and extremist/militant activity, to the maximum extent possible, operate only on established air routes, avoid operating at altitudes below flight level 330, and minimize ground time IN Afghanistan. The deteriorating security situation IN Afghanistan presents A significantly increased concern for United States civil aviation interests, particularly for aircraft on the ground and aircraft operating at low altitudes, including during the arrival and departure phases of flight. There IS A risk of attacks against United States civil aviation IN the Kabul Flight Information Region (OAKX). Airports/airfields IN Afghanistan May be targets of direct assault and/OR indirect fire and are susceptible to insider threats. Aircraft on the ground at airports/airfields have been damaged OR destroyed by indirect rocket OR mortar fire from extremist/militant attacks. Aircraft are at risk of encountering Anit-aircraft fire and shoulder-fired MAN-portable air defense systems (MANPADS), particularly at lower altitudes. Those persons described IN paragraph A must report safety and/OR security incidents to the FAA at +1 20,200 feet-26,700 feet-3333 OR 1-84,400 feet-41,200 feet-1794. The justification for this advisory will be RE-evaluated by 24 December 2019. Additional information IS provided at: https://WWW.FAA.Governor/AIR_TRAFFIC/publications/US_RESTRICTIONS/. Surface - flight level 329 23 December 15:50 2018 until 24 December 23:59 2019 estimated. Created: 23 December 15:54 2018

KICZ 18/A0025 KICZ 20181210144600 PERM Security..United states of America flight prohibition against certain flights IN the Damascus flight information region (FIR) (OSTT) 14 CFR 91.1609 special federal aviation regulation (SFAR) no. 11,400 feet prohibition against certain flights IN the Damascus flight information region (FIR) (OSTT) was published IN the federal register on 10 December 2018 and was effective immediately. Additional information IS provided at: https://WWW.FAA.Governor/AIR_TRAFFIC/publications/US_RESTRICTIONS/. Surface - unlimited, 10 December 14:46 2018 until 30 December 23:59 2020 estimated. Created: 10 December 14:50 2018

KICZ 18/A0023 KICZ 20181026141500 20201026235900 Security..United states of America prohibition against certain flights IN the Baghdad flight information region (FIR) (ORBB) 14 CFR 91.1605 special federal aviation regulation (SFAR) no. 77 prohibition against certain flights IN the Baghdad flight information region (FIR) (ORBB) was published IN the federal register on 26 October 2018 and was effective immediately. Additional information IS provided at: https://WWW.FAA.Governor/AIR_TRAFFIC/publications/US_RESTRICTIONS/. Surface - flight level 259, 26 October 14:15 2018 until 26 October 23:59 2020. Created: 26 October 14:25 2018

KICZ 18/A0021 KICZ 20181019112700 20201027235900 Security..United states of America flight prohibition against certain flights IN the Simferopol (UKFV) flight information region (FIR) and DNIPROPETROVSK (UKDV) Flight Information Region 14 CFR 91.1607 special federal aviation regulation (SFAR) no. 11,300 feet prohibition against certain flights IN the Simferopol (UKFV) flight information region (FIR) and DNIPROPETROVSK (UKDV) Flight Information Region was published IN the federal register on 19 October 2018 and was effective immediately. Additional information IS provided at: https://WWW.FAA.Governor/AIR_TRAFFIC/publications/US_RESTRICTIONS/. Surface - unlimited, 19 October 11:27 2018 until 27 October 23:59 2020. Created: 19 October 11:42 2018

KICZ 18/A0018 KICZ 20180918231800 20200918235900 Security..United states of America flight prohibition against certain flights IN the Pyongyang flight information region (FIR) (ZKKP) 14 CFR 91.1615 special federal aviation regulation (SFAR) no. 79 prohibition against certain flights IN the Pyongyang Flight Information Region (ZKKP) was published IN the federal register on 18 September 2018 and was effective immediately. Additional information IS provided at: https://WWW.FAA.Governor/AIR_TRAFFIC/publications/US_RESTRICTIONS/. Surface - unlimited, 18 September 23:18 2018 until 18 September 23:59 2020. Created: 18 September 23:24 2018

KICZ 18/A0016 KICZ 20180909135000 20190909235900 Security..United states of America advisory for Tehran flight information region (FIR) (OIIX). Those persons described IN paragraph A (APPLICABILITY) below are advised to exercise caution when flying into, out of, within, OR over the Tehran flight information region (FIR) (OIIX) due to concerns involving deconfliction between military activities and civil flight operations. Before operating IN OR adjacent to the Tehran Flight Information Region (OIIX), carefully review current NOTAMS and other sources of aeronautical information and be familiar with current conditions IN the middle east. Iranian aviation authorities May issue NOTAMS OR other aeronautical information describing required procedures for entry into the Tehran Flight Information Region (OIIX). A. Applicability. This NOTAM applies to: all United States air carriers and commercial OPERATORS; all persons exercising the privileges of an airman certificate issued by the FAA, except such persons operating U.S.-Registered aircraft for A foreign air CARRIER; and all operators of aircraft registered IN the united states, except where the operator of such aircraft IS A foreign air carrier. B. Planning. Those persons described IN paragraph A (APPLICABILITY) planning to fly into, out of, within, OR over the above-named area must review current security/threat information and NOTAMS; comply with all applicable FAA regulations, operations specifications, management specifications, and letters of authorization, including updating B450. C. Operations. Any person described IN paragraph A (APPLICABILITY) planning to operate into, out of, within, OR over the Tehran Flight Information Region (OIIX) should file A flight plan well IN advance and carefully adhere to that flight plan, unless otherwise directed by air traffic control. Any person described IN paragraph A (APPLICABILITY) making an unanticipated landing IN Iran should contact the foreign interests section at the SWISS embassy IN Tehran for any needed assistance at telephone +98-21-2279-3912 OR +98-21-2279-3697. Surface - unlimited 09 September 13:50 2018 until 09 September 23:59 2019. Created: 09 September 13:55 2018

KICZ 18/A0014 KICZ 20180808114500 20190808235900 Security..United states of America advisory for the Republic of south Sudan those persons described IN paragraph A should exercise caution flying into, out of, within OR over the territory and airspace of south Sudan at altitudes below flight level 260 due to the potentially hazardous situation Created by political instability and fragile security IN south Sudan. A. Applicability. This NOTAM applies to: all United States air carriers and commercial OPERATORS; all persons exercising the privileges of an airman certificate issued by the FAA, except such persons operating U.S.-Registered aircraft for A foreign air CARRIER; and all operators of aircraft registered IN the united states, except where the operator of such aircraft IS A foreign air carrier. B. Planning. Persons described IN paragraph A (APPLICABILITY) who intend to fly into, out of, within, OR over the above-named area must review current security/threat information and NOTAMS; ensure their operations specification, management specification, OR letter of authorization B450 IS CURRENT; and, to the maximum extent possible, provide advance notice of flights, with specific details, to ash-AXE-CITE-WATCH@FAA.Governor at least 72 hours prior to takeoff. C. Operations. Exercise caution during flight operations due to the potential risk from small-arms fire, rocket-propelled grenades, heavy machine GUNS, and shoulder-fired MAN-portable air defense systems (MANPADS). Airspace deconfliction remains A potential concern due to numerous threats to SHOOT down aircraft by multiple parties IN south Sudan. The risk to United States civil aviation IS primarily while on the ground and at low altitudes during approach and departure phases of flight. Those persons described IN paragraph A (APPLICABILITY) must report safety and/OR security incidents to the FAA at +1 20,200 feet-26,700 feet-3333 OR +1 20,200 feet-26,700 feet-3203. The justification for this advisory will be RE-evaluated by 8 August 2019. Additional information IS provided at: https://WWW.FAA.Governor/AIR_TRAFFIC/publications/US_RESTRICTIONS. Surface - flight level 259 08 August 11:45 2018 until 08 August 23:59 2019. Created: 08 August 11:35 2018

KICZ 18/A0011 KICZ 20180527142400 PERM Security..United states of America advisory for Korean peninsula Incheon flight information region (FIR) (RKRR) those persons described IN paragraph A below are advised to exercise caution when flying IN the Incheon Flight Information Region (RKRR), especially near Seoul, south Korea, due to possible interference with, OR disruption of, their Global Positioning System navigation systems. A. Applicability. This NOTAM applies to: all United States air carriers and commercial OPERATORS; all persons exercising the privileges of an airman certificate issued by the FAA, except such persons operating U.S.-Registered aircraft for A foreign air CARRIER; and all operators of aircraft registered IN the united states, except where the operator of such aircraft IS A foreign air carrier. B. Planning. Those persons described IN paragraph A flight planning for and operating IN the Incheon Flight Information Region (RKRR) should be prepared to use non-Global Positioning System-dependent navigation AIDS; must review current security/threat information and NOTAMS; and must comply with all applicable FAA regulations, operations specifications, management specifications, and letters of authorization, including updating B450. C. Operations. Exercise caution during flight operations. Between march and April 2016, aviation navigation systems IN the vicinity of Incheon international airport (RKSI) experienced interference. Those persons described IN paragraph A must report any Global Positioning System interference OR disruption to the FAA at AEO-CITEWATCH@FAA.Governor OR +1 20,200 feet-26,700 feet-3333 OR 1-84,400 feet-41,200 feet-1794. The justification for this advisory will be RE-evaluated

by 27 May 2019. Additional information IS provided at:

https://WWW.FAA.Governor/AIR_TRAFFIC/publications/US_RESTRICTIONS/. Surface - unlimited 27 May 14:24 2018 until 27 May 23:59 2019 estimated. Created: 27 May 14:28 2018

KICZ 18/A0010 KICZ 20180527142100 PERM Security..United states of America advisory for the sea of japan and Fukuoka flight information region (FIR) (RJJJ) those persons described IN paragraph A (APPLICABILITY) are advised to exercise caution when flying over the sea of japan and/OR IN the Fukuoka Flight Information Region (RJJJ) due to unannounced ballistic missile launches by north Korea. A. Applicability. This NOTAM applies to: all United States air carriers and commercial OPERATORS; all persons exercising the privileges of an airman certificate issued by the FAA, except such persons operating U.S.-Registered aircraft for A foreign air CARRIER; and all operators of aircraft registered IN the united states, except where the operator of such aircraft IS A foreign air carrier. B. Planning. Those persons described IN paragraph A (APPLICABILITY) who intend to operate over the sea of japan and/OR IN the Fukuoka Flight Information Region (RJJJ) are advised to review current security/threat information and NOTAMS and to consider that information IN their risk assessments and flight planning decisions, including but not limited to routing and diversion fuel planning. C. Operations. Exercise caution during flight operations as some past unannounced ballistic missiles launched by north Korea have impacted IN the sea of japan beyond the boundaries of the Pyongyang Flight Information Region (ZKKP) OR impacted IN the ocean east of japan IN the Fukuoka Flight Information Region (RJJJ). Such activities pose A potential safety hazard to United States civil aviation operating over the sea of japan and IN the Fukuoka Flight Information Region (RJJJ). Those persons described IN paragraph A must report safety and/OR security incidents related to this NOTAM to the FAA at +1 20,200 feet-26,700 feet-3333 OR +1 84,400 feet-41,200 feet-1794. The justification for this advisory will be RE-evaluated by 27 May 2019. Additional information IS provided at:

https://WWW.FAA.Governor/AIR_TRAFFIC/publications/US_RESTRICTIONS/. Surface - unlimited 27 May 14:21 2018 until 27 May 23:59 2019 estimated. Created: 27 May 14:25 2018

KICZ 18/A0009 KICZ 20180414001600 PERM Security..United states of America advisory for airspace immediately adjacent to Damascus flight information region (OSTT FIR). Those persons described IN paragraph A below are advised to exercise caution when operating IN the airspace within 20,000 feet nautical miles of the Damascus flight information region (OSTT FIR) due to heightened military activity IN OR around Syria. This military activity might include Global Positioning System interference, communications jamming, and possible ERRANT longitude-range surface-to-air missiles originating from SYRIAN territory, within the OSTT Flight Information Region, and straying into adjacent airspace, that could pose an inadvertent risk to United States civil aviation operating IN this region. Title 14, code of federal regulations, section 91.1609, special federal aviation regulation no. 114PROHIBITION against certain flights IN the Damascus Flight Information Region remains IN effect. A. Applicability. This NOTAM applies to: all United States air carriers and commercial OPERATORS; all persons exercising the privileges of an airman certificate issued by the FAA, except such persons operating U.S.-Registered aircraft for A foreign air CARRIER; and all operators of aircraft registered IN the united states, except where the operator of such aircraft IS A foreign air carrier. B. Planning. Those persons described IN paragraph A planning to operate within 20,000 feet nautical miles of the OSTT Flight Information Region should exercise caution and must review current

security/threat information and NOTAMS and comply with all applicable FAA regulations, operations specifications, management specifications, and letters of authorization, including updating B450. C. Operations. Exercise caution during flight operations IN the above named area due to heightened military activity IN OR around Syria and the potential risk to United States civil aviation IN the region. Those persons described IN paragraph A must report any safety/security incidents to the FAA at ash-AXE-CITE-WATCH@FAA.Governor OR +1 20,200 feet-26,700 feet-3333 OR 1-84,400 feet-41,200 feet-1794. Additional information IS provided at: https://WWW.FAA.Governor/AIR_TRAFFIC/publications/US_RESTRICTIONS/. Surface - unlimited 14 April 00:16 2018 until permanent. Created: 14 April 01:04 2018

KICZ 18/A0007 KICZ 20180330104500 20190330104500 Security..United states of America advisory for Egypt Sinai peninsula those persons described IN paragraph A below should avoid flying into, out of, within OR over the Sinai peninsula IN the Cairo flight information region (FIR) (HECC) at altitudes below flight level 260 within the following lateral limits: 311855N 0321900E to 294443N 0322815E to 281650N 0331928E to 272900N 0341900E to 292920N 0345500E then along the Egypt/Israel border to 311800N 0341300E to 311855N 0321900E. A. Applicability. This NOTAM applies to: all United States air carriers and commercial OPERATORS; all persons exercising the privileges of an airman certificate issued by the FAA, except such persons operating U.S.-Registered aircraft for A foreign air CARRIER; and all operators of aircraft registered IN the united states, except where the operator of such aircraft IS A foreign air carrier. B. Planning. Those persons described IN paragraph A planning to fly into, out of, within, OR over the above-named area must review current security/threat information and NOTAMS; comply with all applicable FAA regulations, operations specifications, management specifications, and letters of authorization, including updating B450; and provide at least 72 hours advance notice of planned flights to the FAA at AEO-CITEWATCH@FAA.Governor with specific flight details to the maximum extent possible. C. Operations. Exercise extreme caution during flight operations due to the risk from potential extremist/militant attacks involving Anit-aircraft weapons, including MAN-portable air defense systems (MANPADS), Anit-tank missiles, small-arms fire, and indirect fire from mortars and rockets targeting aircraft and Sinai airports. Those persons described IN paragraph A must report safety and/OR security incidents to the FAA at +1 20,200 feet-26,700 feet-3333 OR 1 20,200 feet-26,700 feet-3203. The justification for this advisory will be RE-evaluated by 30 march 2019. Additional information IS provided at: https://WWW.FAA.Governor/AIR_TRAFFIC/publications/US_RESTRICTIONS/. Surface - flight level 259 30 March 10:45 2018 until 30 March 10:45 2019. Created: 30 March 10:45 2018

KICZ 18/A0005 KICZ 20180226120000 PERM Security..United states of America advisory for Mali. Those persons described IN paragraph A below should avoid flying into, out of, within OR over the territory and airspace of Mali at altitudes below flight level 260 due to ongoing fighting and extremist/militant activity. A. Applicability. This NOTAM applies to: all United States air carriers and commercial OPERATORS; all persons exercising the privileges of an airman certificate issued by the FAA, except such persons operating U.S.-Registered aircraft for A foreign air CARRIER; and all operators of aircraft registered IN the united states, except where the operator of such aircraft IS A foreign air carrier. B. Planning. Those persons described IN paragraph A planning to fly into, out of, within, OR over the above-named area at altitudes below flight level 260 must review current security/threat information and NOTAMS; comply

with all applicable FAA regulations, operations specifications, management specifications, and letters of authorization, including updating B450; and provide at least 72 hours advance notice of planned flights to the FAA at AEO-CITEWATCH@FAA.Governor with specific flight details to the maximum extent possible. C. Operations. Exercise caution during flight operations due to the possibility of attacks on civil aviation by extremists/militants. Aircraft May encounter fire from small ARMS; indirect fire weapons, such as mortars and ROCKETS; and Anit-aircraft capable weapons, including MAN-portable air defense systems (MANPADS). Such weapons could target aircraft at low altitudes, including during the arrival and departure phases of flight, and/OR airports and aircraft on the ground. Those persons described IN paragraph A must report safety and/OR security incidents to the FAA at +1 20,200 feet-26,700 feet-3333 OR +1 20,200 feet-26,700 feet-3203. The justification for this advisory will be RE-evaluated by 26 February 2019. Additional information IS provided at: https://WWW.FAA.Governor/AIR_TRAFFIC/publications/US_RESTRICTIONS/. Surface - flight level 259 26 February 12:00 2018 until 26 February 23:59 2019 estimated. Created: 26 February 12:00 2018

KICZ 18/A0003 KICZ 20180226120000 PERM Security..United states of America advisory for Kenya those persons described IN paragraph A below are advised to exercise caution when flying into, out of, within, OR over the territory and airspace of Kenya east of 40 degrees east longitude at altitudes below flight level 260 due to the possibility of extremist/militant activity. A. Applicability. This NOTAM applies to: all United States air carriers and commercial OPERATORS; all persons exercising the privileges of an airman certificate issued by the FAA, except such persons operating U.S.-Registered aircraft for A foreign air CARRIER; and all operators of aircraft registered IN the united states, except where the operator of such aircraft IS A foreign air carrier. B. Planning. Those persons described IN paragraph A planning to fly into, out of, within, OR over the above-named area must review current security/threat information and NOTAMS and comply with all applicable FAA regulations, letters of authorization, management specifications, and operations specifications, including updating B450. C. Operations. Exercise caution during flight operations due to the possibility of attacks by extremists/militants on United States civil aviation. Aircraft May encounter various weapons, including small ARMS; indirect fire weapons, such as mortars and ROCKETS; and Anit-aircraft-capable weapons, including MAN-portable air defense systems (MANPADS). Anit-aircraft-capable weapons could target aircraft at low altitudes, including during the arrival and departure phases of flight, and other weapons could target airports and aircraft on the ground. Those persons described IN paragraph A must report safety and/OR security incidents to the FAA at +1 20,200 feet-26,700 feet-3333 OR +1 20,200 feet-26,700 feet-3203. The justification for this advisory will be RE-evaluated by 26 February 2019. Additional information IS provided at: http://WWW.FAA.Governor/AIR_TRAFFIC/publications/US_RESTRICTIONS/. Surface - flight level 259 26 February 12:00 2018 until 26 February 23:59 2019 estimated. Created: 26 February 11:48 2018

KICZ 17/A0033 KICZ 20171230131300 PERM Security..United states of America advisory for Pakistan. Those persons described IN paragraph A below are advised to exercise caution when flying into, out of, within, OR over the territory and airspace of Pakistan due to extremist/militant activity. A. Applicability. This NOTAM applies to: all United States air carriers and commercial OPERATORS; all persons exercising the privileges of an airman

certificate issued by the FAA, except such persons operating U.S.-Registered aircraft for A foreign air CARRIER; and all operators of aircraft registered IN the united states, except where the operator of such aircraft IS A foreign air carrier. B. Planning. Those persons described IN paragraph A planning to fly into, out of, within, OR over the above-named area must review current security/threat information and NOTAMS and comply with all applicable FAA regulations, letters of authorization, management specifications, and operations specifications, including updating B450. C. Operations. Exercise caution during flight operations. There IS A risk to United States civil aviation operating IN the territory and airspace of Pakistan due to extremist/militant activity. This includes A risk to United States civil aviation from attacks against airports and aircraft, particularly for aircraft on the ground and aircraft operating at low altitudes, including during the arrival and departure phases of flight. While there have been no reports of MAN-portable air defense systems (MANPADS) being used against civil aviation IN the territory and airspace of PAKSITAN, there IS A potential risk for extremists/militants to target civil aviation with MANPADS at low altitudes. Those persons described IN paragraph A must report safety and/OR security incidents to the FAA at +1 20,200 feet-26,700 feet-3333 OR 1-84,400 feet-41,200 feet-1794. The justification for this advisory will be RE-evaluated by 30 December 2018. Additional information IS provided at: http://WWW.FAA.Governor/AIR_TRAFFIC/publications/US_RESTRICTIONS/. Surface feet - unlimited 30 December 13:13 2017 until 30 December 23:59 2018 estimated. Created: 30 December 13:18 2017

KICZ 17/A0029 KICZ 20171214115500 20200107235900 Security..United states of America flight prohibition against certain flights IN specified areas of the Sanaa (OYSC) flight information region (FIR) 14 CFR 91.1611 special federal aviation regulation (SFAR) no. 11,500 feet prohibition against certain flights IN specified areas of the Sanaa (OYSC) flight information region (FIR) was published IN the federal register on 14 December 2017 and was effective immediately. Additional information IS provided at: https://WWW.FAA.Governor/AIR_TRAFFIC/publications/US_RESTRICTIONS/. Surface - unlimited, 14 December 11:55 2017 until 07 January 23:59 2020. Created: 14 December 11:52 2017

KICZ 17/A0027 KICZ 20171213141000 20200107235900 Security..United states of America flight prohibition against certain flights IN the territory and AIRPSACE of SOMALIA 14 CFR 91.1613 special federal aviation regulation (SFAR) no. 10,700 feet prohibition against certain flights IN the territory and airspace of SOMALIA was published IN the federal register on 13 December 2017 and was effective immediately. Additional information IS provided at: https://WWW.FAA.Governor/AIR_TRAFFIC/publications/US_RESTRICTIONS/. Surface - flight level 259, 13 December 14:10 2017 until 07 January 23:59 2020. Created: 13 December 14:14 2017

KICZ 17/A0007 KICZ 20170320221700 20190320235900 Security..United states of America flight prohibition against certain flights within the Tripoli (HLLL) flight information region (FIR) 14 CFR 91.1603 special federal aviation regulation (SFAR) no. 11,200 feet extension of the prohibition against certain flights within the Tripoli (HLLL) flight information region (FIR) IS published IN the federal register and IS now effective. Additional information IS provided at: https://WWW.FAA.Governor/AIR_TRAFFIC/publications/US_RESTRICTIONS/. Surface -

unlimited, 20 March 22:17 2017 until 20 March 23:59 2019. Created: 20 March 22:27 2017

***** Notices *****

If flying outside the United States, check data as soon as practical after entering foreign airspace, as our international data may be inaccurate or incomplete. Contact the country whose airspace you will enter at the first opportunity.