

<b>Flight Procedure Tracking Form</b>		<b>Action:</b> FLIGHT CHECK	<b>Task Type:</b> DP	<b>Date Open:</b> 02/17/2010	<b>Task #:</b> 2010021723363801001	<b>Request #:</b> 20100217233638
<b>Procedure:</b> DP KINGSTON NY K20N AMDT 1			<b>Airport ID:</b> K20N	<b>Airport:</b> KINGSTON-ULSTER		<b>Reimbursable #:</b>
<b>City:</b> KINGSTON		<b>ST:</b> NY	<b>GPS #:</b>	<b>Estimated Chart Date:</b> 01/10/2013		<b>FICO #:</b>
<b>Fac ID:</b>	<b>Fac. Type:</b> Proc I		<b>Specialist:</b> CHRIS MCCARTHY			

**Procedure Review**

	Rec'd	Rel'd	Full Name	Comments
<b>Lead:</b>	10/27/2010	09/26/2012	KEN CHEERS	
<b>QA:</b>	09/26/2012	09/27/2012	STEVEN SZUKALA	
<b>Liaison:</b>	09/27/2012		Spurlin	APPROVAL REQUEST

*92*

**Procedure Comments:** NON-ENROUTE      **Remark Type:** INFORMATION      *119 3 of 3*

KINGSTON, NY KINGSTON-ULSTER (K20N) TAKEOFF DEP/MINS, AMDT 1 ENROUTE-NO FC: 11.27.12 PUB: 1.10.13

ATTACHED FORMS: 8260-15A; 8260-2(S): (INFO ONLY) TRESA-INT, REV 5.

CONTACT: DON SMITH/MARLON ROBINSON-AJV-352 LEADS, 405.954.1036 / 405.954.3636

**U.S. DEPARTMENT OF TRANSPORTATION – FEDERAL AVIATION ADMINISTRATION**  
**TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)**

Bearings, headings, courses, tracks and radials are magnetic. Elevation and altitudes are in feet MSL. Altitudes are minimum altitudes unless otherwise indicated.  
Ceilings are in feet above airport elevation. Distances are in nautical miles. Visibilities are in statute miles or feet RVR unless otherwise indicated.

City, State	Airport	Effective Date	Amdt. No.
KINGSTON, NY	KINGSTON-ULSTER		1

**TAKEOFF MINIMUMS:**

RWY 33, 300-2 WITH MINIMUM CLIMB OF 255 FT PER NM TO 1200 FT.  
RWY 15, STANDARD.

**TEXTUAL DEPARTURE PROCEDURES:**

RWY 15 - CLIMB TO 3000 ON HEADING 153.14 AND PWL VOR/DME R-316 TO TRESA INT BEFORE PROCEEDING ON COURSE.

RWY 33: CLIMBING RIGHT TURN TO 3000 ON HEADING 170 AND PWL VOR/DME R-316 TO TRESA INT BEFORE PROCEEDING ON COURSE.

**TAKEOFF OBSTACLE NOTES:**

NOTE: RWY 15, TREES AND POLES ABEAM DER, 806 FT LEFT OF CENTERLINE, UP TO 99 FT AGL/221 FT MSL. TREES AND POLES BEGINNING 27 FT FROM DER, 170 FT RIGHT OF CENTERLINE, UP TO 40 FT AGL/162 FT MSL. VEHICLES ON ROAD 235 FT FROM DER, 37 FT RIGHT OF CENTERLINE, UP TO 17 FT AGL/141 FT MSL. TREES BEGINNING 1322 FT FROM DER, 835 FT RIGHT OF CENTERLINE, UP TO 89 FT AGL/203 FT MSL. TREES BEGINNING 1325 FT FROM DER, 846 FT LEFT OF CENTERLINE, UP TO 99 FT AGL/215 FT MSL.

NOTE: RWY 33, CONSTRUCTION CONE 6 FT FROM DER, 39 FT RIGHT OF CENTERLINE, 10 FT AGL/149 FT MSL. TREES AND POLES BEGINNING 19 FT FROM DER, 933 FT LEFT OF CENTERLINE, UP TO 99 FT AGL/349 FT MSL. TREES AND POLES BEGINNING 60 FT FROM DER, 922 FT RIGHT OF CENTER LINE, UP TO 69 FT AGL/215 FT MSL. BUILDINGS BEGINNING 60 FT FROM DER, FROM 577 FT LEFT OF CENTERLINE TO 569 FT RIGHT OF CENTERLINE, UP TO 29 FT AGL/271 FT MSL. VEHICLES ON ROAD BEGINNING 184 FT FROM DER, FROM 285 FT LEFT OF CENTERLINE TO 496 FT RIGHT OF CENTERLINE, UP TO 17 FT AGL/182 FT MSL. TREES BEGINNING 2004 FT FROM DER, 1936 FT LEFT OF CENTERLINE, UP TO 94 FT AGL/362 FT MSL. TREES BEGINNING 2004 FT FROM DER, 1908 RIGHT OF CENTERLINE, UP TO 110 FT AGL/388 FT MSL.

**CONTROLLING OBSTACLES:**

RWY 33: 303 FT MSL TREE 415917.71N/0735813.46W, 419 FT MSL AAO 420046.77N/0735911.01W, 939 FT MSL AAO 420340.01N/0735937.31W

OBSTACLE MANDATING ODP ROUTE DEVELOPMENT: RWY 15, 33 - 3225 FT MSL TOWER 420506.00N/0740559.00W

QUALITY  
1  
CHECKED

**U.S. DEPARTMENT OF TRANSPORTATION – FEDERAL AVIATION ADMINISTRATION**  
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<b>City, State</b>	<b>Airport</b>	<b>Effective Date</b>	<b>Amdt. No.</b>
KINGSTON, NY	KINGSTON-ULSTER		1

**REMARKS:**

VCOA NOT DEVELOPED PER ATC REQUEST.

**FLIGHT INSPECTED BY:**

RUSSELL P. ELLIOTT

11/29/2012

**REQUIRED EFFECTIVE DATE:**

ROUTINE

**DEVELOPED BY:**

DON SMITH  
(CHRIS MCCARTHY)

AJV-352

08/28/2012

**APPROVED BY:**

DARRYEL ADAMS

AJV-352

**COORDINATED WITH:**

ALPA, AOPA, NBAA, ZNY, N90

**CHANGES:**

1. ADDED 3488 FT/NM AND 255 FT/NM TO 1200 FT CLIMB GRADIENT TO RWY 33 DP.
2. UPDATED RWY 33 TAKEOFF MINS FROM 300-1 TO 300-2.
3. UPDATED TAKEOFF OBSTACLES FOR RWY 15 AND RWY 33.
4. UPDATED RWY 33 CONTROLLING OBSTACLES.

**REASONS:**

- 1-4. UPDATED SURVEY AND OBSTACLE EVALUATION.

02/04/2013: THIS IS AN UPDATED COPY OF THE FORM DEVELOPED ON 08/28/2012.  
REMOVED STANDARD WITH MINIMUM CLIMB OF 3488 FT PER NM TO 400 FT. PER PRB.

01/11/13  
1  
CHECKED

# RADIO FIX AND HOLDING DATA RECORD

# INFO ONLY

**NAME:** TRESA **STATE:** NY **COUNTRY:** US

**LATITUDE/LONGITUDE:** 415249.61N/0734906.80W **TYPE:** WP, INT, DME

**AIRSPACE DOCKET:** **FIX TYPE OF ACTION:** MODIFY

**FIX MAKE-UP FACILITIES:**

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	FEET	MRA	MAA
1	PAWLING	PWL	VOR/DME	L	316.24	304.24	11.82	11.82		6100	17500
2	KINGSTON	IGN	VOR/DME	L	012.73	000.73	12.90	12.90		3000	17500
3	CARMEL	CMK	VOR/DME	L	355.56	343.56		37.56		3000	17500
4	ALBANY	ALB	VORTAC	L	193.76	180.76		52.00		8000	17500

**EXPANDED SERVICE VOLUME (ESV):**

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
ALB	VORTAC	R-194	52	8000	17500

**HOLDING:** **HOLDING TYPE OF ACTION:** NO CHANGE

**REMARKS:**

PAWLING (FAC 1) AND KINGSTON (FAC 2) USED TO ESTABLISH FIX COORDINATES

**FIX USE:**

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	T212					(US)
EN ROUTE	V123	1, 3				(US)
EN ROUTE	V157	1, 2				(US)
EN ROUTE	V205	1, 2				(US)
EN ROUTE	V433	1, 2				(US)
IAP	RNAV(GPS) RWY 16			KSWF	NEWBURGH	NY (US)
STAR	BRIDGEPORT	1, 2		KBDR	BRIDGEPORT	CT (US)
STAR	HAARP	1, 2		KLGA	NEW YORK	NY (US)
STAR	NOBBI	1, 2, 4		KLGA	NEW YORK	NY (US)
STAR	HUDSON			KSWF	NEWBURGH	NY (US)

**REQUIRED CHARTING:** STAR, IAP, CONTROLLER, EN ROUTE LOW

**COMPULSORY REPORTING POINT:** NO

**RECORD REVISION NUMBER:** 5 **DATE OF REVISION:** 05/31/2012

**REASON FOR REVISION:**

ADDED DIST FROM FAC VALUES TO ALL FACS.  
 RAISED FAC 1 (PWL) MRA FROM 4000 TO 6100.  
 DELETED FAC 3 (HOZAN).  
 ADDED FAC 3 (CMK) AND FAC 4 (ALB); REMOVED FROM BACKUP FACILITIES.  
 UPDATED ESV, FIX USE, AND REMARKS.

**DEVELOPED BY:** **DATE:** 12/08/2011 **OFFICE:** AJV-352 **NAME:** KELLY DEAN

**APPROVED BY:** **DATE:** 05/07/2012 **OFFICE:** AJV-352 **NAME:** DARRYEL ADAMS

**SIGNATURE:**

**DISTRIBUTION:** NFDC  
 FPO: EST  
 ARTCC: ZBW  
 ATC FACILITY: NYC APP CON, ALB APP CON  
 OTHER:





# Federal Aviation Administration

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## Memorandum

Date:

To: Leslie H. Smith, Manager, Flight Technologies and  
Procedures Division  
THRU: Stacey L. Zinke-McKee, Manager, Flight Procedure Implementation &  
Oversight Branch

From: Gregory Yamamoto  
Manager, Terminal Products Group

Subject: **ACTION:** Approval Request

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TAKEOFF MINIMUMS ODP, KINGSTON-ULSTER, KINGSTON, NY (K20N)

Climb gradient exceeds 500 feet per NM, 8260.46d, Para. 2-1d.(2).

Request approval for climb gradient of 3488 ft per NM for RWY 33 departures through 400 MSL (253 ft above airport elevation). This climb gradient avoids the 303 ft MSL tree (K20NT0316) 350 ft from DER and 568 ft left of centerline. Aircraft unable to maintain this climb gradient can depart with a ceiling and visibility of 300-2 using a 255 ft per NM to 1200 MSL climb gradient.

Please respond as soon as possible.