

Flight Procedures Cover Page	Task Action: FLIGHT CHECK	Task Type: STAR	Estimated Chart Date: 09/03/2026	APWS Task ID: 17AD5E9E209B4D27974596346C68E5DF	APWS Project ID: 77562E0E138B412D932EA2A232154222
Procedure: PREDS ONE ARRIVAL (RNAV)		Enroute: YES	Specialist: Kuklish, Thomas		Agreement Number:
Airport ID: KMQY			Airport City: SMYRNA		State: TN
Facility ID:	Facility Type:	Flight Inspection Remark Type: New FC Slot			

Procedure Comments:

REASON FOR PROJECT: INCREASED TRAFFIC VOLUME INTO KMQY, KBNA, AND SATELLITE AIRPORTS REQUIRING STARS REDESIGN.

(1) WAIVER: AFS 8260.19 NO ALT ON COMMON ROUTE AND RUNWAY TRANSITIONS.

CONTACT: CASIMIR TABAKA 405-954-7931.

4/13/26: THIS IS AN UPDATED COPY OF THE FORMS DEVELOPED ON 3/27/26.

ADDED WAIVER LETTER: AFS 8260.19 STAR TERMINATION ALTITUDE.

03/27/2026



1. FLIGHT PROCEDURE IDENTIFICATION:

Smyrna, TN
Smyrna Airport, TN (KMQY)
PREDS (RNAV) STAR

2. WAIVER REQUIRED AND APPLICABLE STANDARD:

Per 8260.3, Para. 2-2-7e. Common route and runway transitions. Establish a mandatory, minimum or block altitude restriction at a fix that represents the lowest altitude authorized by the STAR or STAR runway transition.

3. REASON FOR WAIVER (JUSTIFICATION FOR NONSTANDARD TREATMENT):

The PREDS STAR serves multiple airports and runway configurations within Nashville area airspace and utilizes varying altitude restrictions to all airports based on dynamic traffic situations. The PREDS arrival also must be managed while Nashville International Airport arrivals utilize the same airspace structure. Additionally, the procedure authorizes differing aircraft types, thus introducing different performance characteristics from one aircraft to another. The PREDS STAR is not a descend via procedure and ATC will issue CROSS (FIX) AT AND MAINTAIN or DESCEND AND MAINTAIN clearances to control the flow of traffic.

Coding the procedure with an altitude on the common route that serves multiple airports with mixed aircraft types and differing performance characteristics will cause confusion and additional workload when the issued altitude is different from the coded restriction on the procedure. Coding two different altitudes on one procedure based on aircraft type is not allowed per design criteria. Additionally, designing an arrival as a descend via while interacting within the same airspace corridors as Nashville International traffic creates a pilot discretionary descent, thereby delaying other traffic's descent.

4. EQUIVALENT LEVEL OF SAFETY PROVIDED:

With RADAR required and ATC issuing a "CROSS (FIX) AT AND MAINTAIN" or "DESCEND AND MAINTAIN" clearance for all aircraft ensures the requirements are met. These altitudes provide obstacle clearance, communication, and navigable facility requirements for aircraft to utilize the procedure. When radio communications are in use, ATC will provide appropriate altitudes for separation, including obstacle clearance.

5. ALTERNATIVE ACTIONS DEEMED NOT FEASIBLE:

Consideration was given to designing the procedure with coded altitudes and deemed not feasible. Procedures with coded altitudes for different aircraft types or performance is not allowed within design criteria. Establishing coded altitudes on the STAR common route restricts ATC ability to dynamically assign altitudes based upon the traffic scenarios, differing aircraft performance characteristics, and airports of intended landing and creates pilot confusion and questions resulting in a significant workload increase for ATC and pilots.

6. COORDINATION WITH USER ORGANIZATIONS (SPECIFY):

BNA Full Work Group
ESC OSG PBN Co-Leads
Memphis ARTCC (ZME)
Nashville ATCT (KBNA)
Southwest Airlines

7. SUBMITTED BY:

DATE OFFICE IDENTIFICATION TITLE

SIGNATURE

Digitally signed by
TARA N MARTINELLI
Mar 30, 2026

8. AFS ACTIONS:

APPROVED DISAPPROVED NOT REQUIRED

COMMENTS:

DATE **ROUTING SYMBOL** **SIGNATURE**



Federal Aviation Administration

Memorandum

Date: August 11, 2023

To: Instrument Flight Procedures Service Providers
WADE EK
TERRELL

From: Eric S. Parker, Acting Manager, Flight Technologies and Procedures
Division

Subject: Waiver to FAA Order 8260.19, Flight Procedures and Airspace, STAR
Termination Altitude

Digitally signed by WADE
EK TERRELL
Date: 2023.08.11 13:46:53
-05'00'

This memorandum waives the requirement of FAA Order 8260.19 paragraph 4-5-2.j for an altitude to be specified at the termination fix at the STAR termination point [see memo dated July 18, 2023, subject: Waiver to FAA Order 8260.3, paragraph 2-2-7.f(2)].

When no altitude is specified at that fix, the lowest altitude that will be assigned by air traffic control at the termination fix must be used for descent gradient and obstacle clearance calculations and noted in the Remarks section of Form 8260-17.1. Example: LOWEST ASSIGNED ATC ALTITUDE AT GIZMO, 3000.

No additional waiver request action is required. Please direct all inquiries to the Flight Procedures and Airspace, Standards Section (405) 954-1139 or 9-AWA-AVS-AFS420@faa.gov.

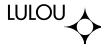
(PREDS.PREDS1) FIG

PREDS ONE ARRIVAL (RNAV)

NASHVILLE APP CON
118.4 360.7
JWN ATIS
127.075

RNAV 1 - DME/DME/IRU or GPS.
RADAR required.

PROTOTYPE-
NOT FOR NAVIGATION



7000
*2400
182°
(40)
(180°T)



SMSHH
Ldg JWN/M02/M91/MRC

LOGGN
Ldg 1M5/3M7/LUG/M54/
MBT/MQY/SYI/XNX

SPRINGFIELD ROBERTSON
COUNTY



DOUGLAS HUNTER
FLD



LAFAYETTE
MUNI

JOHN C TUNE

MUSIC CITY
EXEC

DICKSON MUNI



LEBANON
MUNI

MAURY COUNTY
RGNL



SMYRNA

MURFREESBORO
MUNI

ELLINGTON



BOMAR FLD/SHELBYVILLE
MUNI



NOTE: Chart not to scale.

ARRIVAL ROUTE DESCRIPTION

LULOU TRANSITION (LULOU.PREDS1)

LANDING MQY/3M7/LUG/M54/XNX/MBT/SYI/1M5: From PREDS on track 129° to SSCOT, then on track 117° to LOGGN, then on track 192°. Expect RADAR vectors to final approach course.

LANDING MRC/JWN/M02/M91: From PREDS on track 235° to SMSHH, then on track 230°. Expect RADAR vectors to final approach course.

PREDS ONE ARRIVAL (RNAV)

(PREDS.PREDS1) FIG

PROCEDURE ID: PREDs ONE ARRIVAL
STATE: TN
AMDT: ORIGINAL
SCALE: 1:500,000

LULOU to PREDs TOWER (1375)
21-000228

PREDs to SSMH TOWER (1086)
21-001703

SK SSMH to LOOHN TOWER (1298)
8547-023547

PREDs to SSCOT TOWER (1146)
47-002221

