



# Federal Aviation Administration

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## Memorandum

Date:

To: Bruce DeCleene, Manager, Flight Technologies and Procedures Division  
THRU: Sherri Hubbard, Manager, Flight Procedure Implementation &  
Oversight Branch

From: Steve Szukala, Manager, Instrument Flight Procedures Team 3, AJV-5430

Subject: **ACTION:** Waiver Cancellation

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The attached Waivers for San Bernardino Intl (KSBD) are forwarded for your review and approval. Please return a signed copy for our files.

8260-1 (2) RNAV (GPS) Z RWY 06 (CANCEL)

Please respond as soon as possible.

Attachments:

JAN 07 RECD

US Department of Transportation  
Federal Aviation Administration

## FLIGHT PROCEDURES STANDARDS WAIVER

FLIGHT STANDARDS USE ONLY

CONTROL NO:

## 1. Flight Procedure Identification:

SAN BERNARDINO, CA  
SAN BERNARDINO INTERNATIONAL  
RNAV (GPS) Z RWY 6

## 2. Waiver Required and Applicable Standard:

TERPS, PARA 3.9.1.E (2), 40:1 OBSTACLE CLEARANCE SLOPE (OCS), AND TERPS PARA 3.9.3. MISSED APPROACH CLIMB GRADIENT.  
CLIMB GRADIENT CALCULATIONS DERIVED USING 8260.54A, FORMULA 6-9.

## 3. Reason for Waiver (Justification for nonstandard treatment):

MISSED APPROACH 40:1 OBSTACLE ASSESSMENT WOULD NOT ALLOW A MISSED APPROACH REGARDLESS OF ROUTING OR ALTITUDE ADJUSTMENTS. BY USING A 333 FT/NM CLIMB GRADIENT A 1720' MSL MDA AND A 629' HAT CAN BE ACHIEVED. THE OBSTACLE CAUSING THE CLIMB GRADIENT IS A 3306 MSL AAO, 335924.90N/1171452.70W.

## 4. Equivalent Level of Safety Provided:

1. A PUBLISHED CLIMB GRADIENT OF 333 FT/NM TO 3700 FT MSL MEETS THE LEVEL OF SAFETY PROVIDED BY STANDARD CRITERIA FOR 40:1 MISSED APPROACH EVALUATION.
2. A SEPARATE PROCEDURE, RNAV (GPS) Y RWY 6, WAS DEVELOPED WITH A LINE OF MINIMA FOR AIRCRAFT UNABLE TO MEET THE CLIMB GRADIENT.
3. A NOTE IS ADDED TO THE PROCEDURE, "IF UNABLE TO MEET RATE OF CLIMB, SEE RNAV (GPS) Y RWY 6."

## 5. How Relocation or Additional Facilities Will Affect Waiver Requirement:

REROUTING THE MISSED APPROACH WILL NOT ALLEVIATE PENETRATIONS OF 40:1 OCS BY HIGH TERRAIN AND OBSTRUCTIONS.

## 6. Coordination With User Organizations (Specify):

AVN-130 *CH*AVN-101 *JN*

## 7. SUBMITTED BY

DATE:

JAN 06 2009

Office Identification:

AVN-100

Title:

MANAGER, NATIONAL FLIGHT  
PROCEDURES OFFICE

Signature:

DANNY E. HAMILTON

8. CONTINUATION

Comments:

This waiver is canceled effective May 24, 2018. A waiver is no longer required and an approval letter request submitted to AFS-400, IAW FAAO 8260.3C, CH 16, para 16-1-8a(6).

9. AFS ACTION

|    |              |
|----|--------------|
| xx | Approved     |
|    | Disapproved  |
|    | Not Required |

Comments:

Approved Based on the Equivalent Level of Safety in Block 4.

Date: JAN 30 2009

Routing Symbol:  
AFS-400

Signature:  Les Smith  
Acting Manager, Flight Technologies Division

JAN 14 RECD

US Department of Transportation  
Federal Aviation Administration

## FLIGHT PROCEDURES STANDARDS WAIVER

FLIGHT STANDARDS USE ONLY

CONTROL NO:

1. Flight Procedure Identification:

SAN BERNARDINO, CA  
SAN BERNARDINO INTERNATIONAL  
RNAV (GPS) Z RWY 6

2. Waiver Required and Applicable Standard:

USAGE OF 8260.38A.

3. Reason for Waiver (*Justification for nonstandard treatment*):

THE 8260.38A WAS USED INSTEAD OF 8260.54A, DUE TO AUTOMATION.

4. Equivalent Level of Safety Provided:

NO IMPACT ON SAFETY.

5. How Relocation or Additional Facilities Will Affect Waiver Requirement:

NONE.

6. Coordination With User Organizations (*Specify*):

AVN-130  
AVN-101

7. SUBMITTED BY

DATE:

DEC 31 2008

Office Identification:

AVN-100

Title:

MANAGER, NATIONAL FLIGHT  
PROCEDURES OFFICE

Signature:

DANNY E. HAMILTON

8. CONTINUATION

Comments:

This waiver is canceled effective May 24, 2018.  
A waiver is no longer required and an approval  
letter request submitted to AFS-400, IAW FAAO  
8260.3C, CH 16, para 16-1-8a(6).

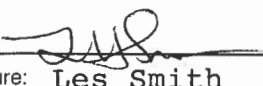
9. AFS ACTION

|                                     |              |
|-------------------------------------|--------------|
| <input checked="" type="checkbox"/> | Approved     |
| <input type="checkbox"/>            | Disapproved  |
| <input type="checkbox"/>            | Not Required |

Comments: Approved Based on the Equivalent Level of Safety in Block 4.

Date:  
**JAN 30 2009**

Routing Symbol:  
AFS-400

Signature:  Les Smith  
Acting Manager, Flight Technologies Division