

Flight Procedures Cover Page	Task Action: FLIGHT CHECK	Task Type: STAR	Estimated Chart Date: 05/14/2026	APWS Task ID: 34707EC57BDB42C3849F6AD678DC9907	APWS Project ID: 6A71CB033D8A4D0C8E199877005B8D63
Procedure: STAR EMMLN THREE - HAWTHORNE, CA - KHHR		Enroute: YES	Specialist: Stuckey, Boyd		Agreement Number:
Airport ID: KHHR			Airport City: HAWTHORNE	State: CA	
Facility ID:	Facility Type:	Flight Inspection Remark Type: New FC Slot			

**Procedure Comments:**

PENDING DATA USED.

**SUMMARY OF CHANGES:**

1. REMOVED THE VCV VOR/DME FROM THE PROCEDURE, AND FROM APLES AND EMMLN 8260-2S.
2. ADDED FAC 2 PMD VORTAC R-089.94 AND PMD ESV TO EMMLN 8260-2; FAC 2 EDW VORTAC R-119.87 AND EDW ESV TO APLES 8260-2.
3. CHANGED DAG VORTAC R-213.88 MRA FROM 7500 TO 7000 ON APLES 8260-2.
4. REVISED CAPTZ 8260-2 CHANGED FAC 2 (PMD) MRA FROM 10700 TO 10000; ESV MIN ALTITUDE FROM 10700 TO 10000.

ESV(S): (2): PALMDALE (PMD) VTAC (1); EDWARDS (EDW) VTAC (1).

CONTACT: CASIMIR L TABAKA 405-954-7931

03/19/2026: THIS IS A CORRECTED COPY OF THE FORM APPROVED ON 03/17/2026.

**1. APLES REV 25 8260-2:**

- (1) FIX USE: REMOVE FAC 5 FROM ALL PROCEDURES AND AIRWAYS.
- (2) FIX MAKE-UP FACILITIES: REMOVED FAC 5 (EDW) AND ALL DATA.
- (3) ESV: REMOVED EDW VORTAC DATA.

01/05/2026



## FIPC BASIC FORM

<b>PROCEDURE:</b> EMMLN THREE ARRIVAL		<b>AIRPORT NAME:</b> JACK NORTHROP FLD/HAWTHORNE		<b>AIRPORT ID:</b> KHHR	<b>SPECIAL CONTROL NO:</b> SP-01-028-26
<b>FAC ID:</b> EMMLN3		<b>CITY:</b> HAWTHORNE		<b>ST:</b> CA	<b>ORIG CHART DATE:</b> 05/14/2026
<b>DFL TYPE:</b> PROC/T	<b>THIRD PARTY:</b> <input type="checkbox"/> YES	<b>EST. TIME ON SITE:</b> 0.4	<b>REIMB. NUMBER:</b>	<b>PTS TASK ID:</b> 34707EC57BDB42C3849F6AD678DC9907	

### PREFLIGHT NOTES

<b>REVIEWER:</b>	<b>DATE:</b>
<b>COMMENTS:</b>	<b>CHECK ONE:</b> <input type="checkbox"/> FLT CK REQ <input type="checkbox"/> NFCR <input type="checkbox"/> REJECT
	<b>YES</b> <b>NO</b>
	<b>CPV COMPLETE?</b> <input checked="" type="checkbox"/> X <input type="checkbox"/>

### PROCEDURE RESULTS

<b>INSPECTION DATE:</b> 03/16/2026	<b>CREW #:</b> VN141	<b>N #:</b> N76	<b>INSTRUMENT PROCEDURE STATUS:</b> <input checked="" type="checkbox"/> SAT <input type="checkbox"/> SAT W/CHANGES <input type="checkbox"/> UNSAT	<b>ARINC CODING:</b> <input type="checkbox"/> SAT <input type="checkbox"/> SAT/GOLD <input type="checkbox"/> UNSAT
<b>FLIGHT INSPECTOR SIGNATURE:</b> james l reinebold @ 03/25/2026 12:03		<b>PRINTED NAME:</b> REINEBOLD, JAMES LUTHER		<b>NOTAM INITIATED?</b> <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO

**FLIGHT INSPECTOR REMARKS:**  
 EDW VTAC/V ESV request for Fix APLES on KHHR EMMLN 3 STAR and KLGB ANAHEIM 2 DP UNSAT  
 ESV request is R120/39/10000/17500 for Fix displacement. UNSAT for VOR SS and Structure. Flown at 10000 and 11000. EDW ESV for APLES fix make-up removed from EMMLN3 STAR and ANAHM2 SID by Procedures on 25 MAR 2026.  
  
 PMD VTAC/V ESV R090/44/10000/17000 Fix EMMLN on the KHHR EMMLN 3 STAR Flown SAT.

### IN-FLIGHT OBSTACLE REPORT

<b>OBSTRUCTION ID #:</b>	<b>COORDINATES OR LOCATION:</b>	<b>GNSS ALTITUDE (MSL):</b>	<b>BAROMETRIC ALTITUDE (MSL):</b>	<b>HEIGHT ABOVE GROUND LEVEL:</b>
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## FIPC BASIC FORM

<b>PROCEDURE:</b> EMMLN THREE ARRIVAL		<b>AIRPORT NAME:</b> JACK NORTHROP FLD/HAWTHORNE		<b>AIRPORT ID:</b> KHHR	<b>SPECIAL CONTROL NO:</b> SP-01-028-26
<b>FAC ID:</b> EMMLN3		<b>CITY:</b> HAWTHORNE		<b>ST:</b> CA	<b>ORIG CHART DATE:</b> 05/14/2026
<b>DFL TYPE:</b> PROC/T	<b>THIRD PARTY:</b> <input type="checkbox"/> YES	<b>EST. TIME ON SITE:</b> 0.4	<b>REIMB. NUMBER:</b>	<b>PTS TASK ID:</b> 34707EC57BDB42C3849F6AD678DC9907	

### PREFLIGHT NOTES

<b>REVIEWER:</b>	<b>DATE:</b>
<b>COMMENTS:</b>	<b>CHECK ONE:</b> <input type="checkbox"/> FLT CK REQ <input type="checkbox"/> NFCR <input type="checkbox"/> REJECT
	<b>YES</b> <b>NO</b>
	<b>CPV COMPLETE?</b> <input checked="" type="checkbox"/> X <input type="checkbox"/>

### PROCEDURE RESULTS

<b>INSPECTION DATE:</b> 03/16/2026	<b>CREW #:</b> VN141	<b>N #:</b> N76	<b>INSTRUMENT PROCEDURE STATUS:</b> <input type="checkbox"/> SAT <input type="checkbox"/> SAT W/CHANGES <input checked="" type="checkbox"/> UNSAT	<b>ARINC CODING:</b> <input type="checkbox"/> SAT <input type="checkbox"/> SAT/GOLD <input type="checkbox"/> UNSAT
<b>FLIGHT INSPECTOR SIGNATURE:</b> james l reinebold @ 03/23/2026 10:24		<b>PRINTED NAME:</b> REINEBOLD, JAMES LUTHER		<b>NOTAM INITIATED?</b> <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO

**FLIGHT INSPECTOR REMARKS:**  
 EDW VTAC/V ESV request for Fix APLES on KHHR EMMLN 3 STAR and KLGB ANAHEIM 2 DP UNSAT  
 ESV request is R120/39/10000/17500 for Fix displacement. UNSAT for VOR SS and Structure. Flown at 10000 and 11000.  
  
 PMD VTAC/V ESV R090/44/10000/17000 Fix EMMLN on the KHHR EMMLN 3 STAR Flown SAT.

### IN-FLIGHT OBSTACLE REPORT

<b>OBSTRUCTION ID #:</b>	<b>COORDINATES OR LOCATION:</b>	<b>GNSS ALTITUDE (MSL):</b>	<b>BAROMETRIC ALTITUDE (MSL):</b>	<b>HEIGHT ABOVE GROUND LEVEL:</b>
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<b>FAC ID:</b> EMMLN3		<b>CITY:</b> HAWTHORNE		<b>ST:</b> CA	<b>ORIG CHART DATE:</b> 05/14/2026
<b>DFL TYPE:</b> PROC/T	<b>THIRD PARTY:</b> <input type="checkbox"/> YES	<b>EST. TIME ON SITE:</b> 0.4	<b>REIMB. NUMBER:</b>	<b>PTS TASK ID:</b> 34707EC57BDB42C3849F6AD678DC9907	

### PREFLIGHT NOTES

<b>REVIEWER:</b>	<b>DATE:</b>
<b>COMMENTS:</b>	<b>CHECK ONE:</b> <input type="checkbox"/> FLT CK REQ <input type="checkbox"/> NFCR <input type="checkbox"/> REJECT
	<b>YES</b> <b>NO</b>
	<b>CPV COMPLETE?</b> <input checked="" type="checkbox"/> X

### PROCEDURE RESULTS

<b>INSPECTION DATE:</b> 03/16/2026	<b>CREW #:</b> VN141	<b>N #:</b> N76	<b>INSTRUMENT PROCEDURE STATUS:</b> <input checked="" type="checkbox"/> SAT <input type="checkbox"/> SAT W/CHANGES <input type="checkbox"/> UNSAT	<b>ARINC CODING:</b> <input type="checkbox"/> SAT <input type="checkbox"/> SAT/GOLD <input type="checkbox"/> UNSAT
<b>FLIGHT INSPECTOR SIGNATURE:</b> james l reinebold @ 03/16/2026 23:25		<b>PRINTED NAME:</b> REINEBOLD, JAMES LUTHER		<b>NOTAM INITIATED?</b> <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO

**FLIGHT INSPECTOR REMARKS:**  
 EDW VTAC/V ESV request for Fix APLES on KHHR EMMLN 3 STAR and KLGB ANAHEIM 2 DP UNSAT  
 ESV request is R120/39/10000/17500 for Fix displacement. Unsat for VOR SS and Structure. Flown at 10000 and 11000.  
  
 PMD VTAC/V ESV R090/44/10000/17000 Fix EMMLN on the KHHR EMMLN 3 STAR Flown SAT.

### IN-FLIGHT OBSTACLE REPORT

<b>OBSTRUCTION ID #:</b>	<b>COORDINATES OR LOCATION:</b>	<b>GNSS ALTITUDE (MSL):</b>	<b>BAROMETRIC ALTITUDE (MSL):</b>	<b>HEIGHT ABOVE GROUND LEVEL:</b>
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NEW

EMMLN THREE ARRIVAL  
(APLES, EMMLN3) FIG

SOCAL APP CON  
127.0 318.2  
FUL ATIS  
125.05  
HHR ATIS  
118.4  
KSLI ATIS  
118.875 379.975  
LGB ATIS  
127.75  
SNA D-ATIS  
126.0

RADAR required.

EDWARDS  
116.4 EDW  
Chan 111

DAGGETT  
113.2 DAG  
Chan 79

PALMDALE  
115.55 PMD  
Chan 102(Y)

POMONA  
110.4 POM  
Chan 41

HECTOR  
112.7 HEC  
Chan 74

NOTE: Turboprop and prop aircraft only.

Ldg KLGB/KFUL/KSLI/KSNA

SEAL BEACH  
115.7 SLI  
Chan 104

JACK NORTHROP  
FIELD/  
HAWTHORNE  
MUNI

LONG BEACH  
(DAUGHERTY FLD)

LOS ALAMITOS  
AAF

FULLERTON  
MUNI

DOWDD  
6000

AHEIM  
6000

POXKU  
6000

JOHN WAYNE/  
ORANGE COUNTY

RNDAL  
6000  
Ldg KHHR

PARADISE  
112.2 PDZ  
Chan 59  
6000

CAPTZ  
10000

RRIZE  
8100

EMMLN

GILLM  
10000

APLES  
10000

PROTOTYPE: NOT  
FOR NAVIGATION

N

(CONTINUED ON FOLLOWING PAGE)

NOTE: Chart not to scale

(APLES, EMMLN3) FIG  
EMMLN THREE ARRIVAL

AL-236 (FAA)

LONG BEACH, CALIFORNIA

AUTOMATED AL-236 EMMLN ARRIVAL

SW-3  
30 DEC 2025  
COMPILER: CG  
REVIEWER:  
DBL CHKR:  
EFF: FIG

ARRIVAL ROUTE DESCRIPTION

DAGGETT TRANSITION (DAG.EMMLN3): From over DAG VORTAC on DAG R-214 to APLES. Thence. . . .

HECTOR TRANSITION (HEC.EMMLN3): From over HEC VORTAC on HEC R-232 to APLES. Thence. . . .

LANDING LGB/FUL/SLI: From over APLES on PARADISE VORTAC (PDZ) R-012 to cross CAPTZ at 10000, then on PDZ R-012 to cross RRIZE at 8100, then on PDZ R-012 to cross PDZ VORTAC at 6000, then on PDZ R-270 to cross DOWDD at 6000, then on POMONA VORTAC (POM) R-187 to cross AHEIM at 6000, then on SEAL BEACH VORTAC (SLI) R-058 to cross SLI VORTAC at 6000.

LANDING LGB: From over SLI VORTAC, fly heading 210°, expect RADAR vectors to final approach course.

LANDING FUL: From over SLI VORTAC, expect VOR-A approach.

LANDING SLI: From over SLI VORTAC, expect VOR or TACAN RWY 22L approach or RADAR vectors to final approach course.

LANDING HHR: From over APLES on PARADISE VORTAC (PDZ) R-012 to cross CAPTZ at 10000, then on PDZ R-012 to cross RRIZE at 8100, then on PDZ R-012 to cross PDZ VORTAC at 6000, then on PDZ R-270 to cross RNDAL at 6000, then fly heading 235°. Expect RADAR vectors to final approach course.

LANDING SNA: From over APLES on PARADISE VORTAC (PDZ) R-012 to cross CAPTZ at 10000, then on PDZ R-012 to cross RRIZE at 8100, then on PDZ R-012 to cross PDZ VORTAC at 6000, then on PDZ R-270 to cross RNDAL at 6000, then on POM R-164 to cross POXKU at 6000, then on SLI R-058 to cross SLI VORTAC at 6000. Expect RADAR vectors to final approach course.

PROTOTYPE: NOT FOR NAVIGATION

AUTOMATED AL-236 EMMLN ARRIVAL (CONT PAGE)

SW-3  
30 DEC 2025  
COMPILER: CG  
REVIEWER:  
DBL CHKR:  
EFF: FIG

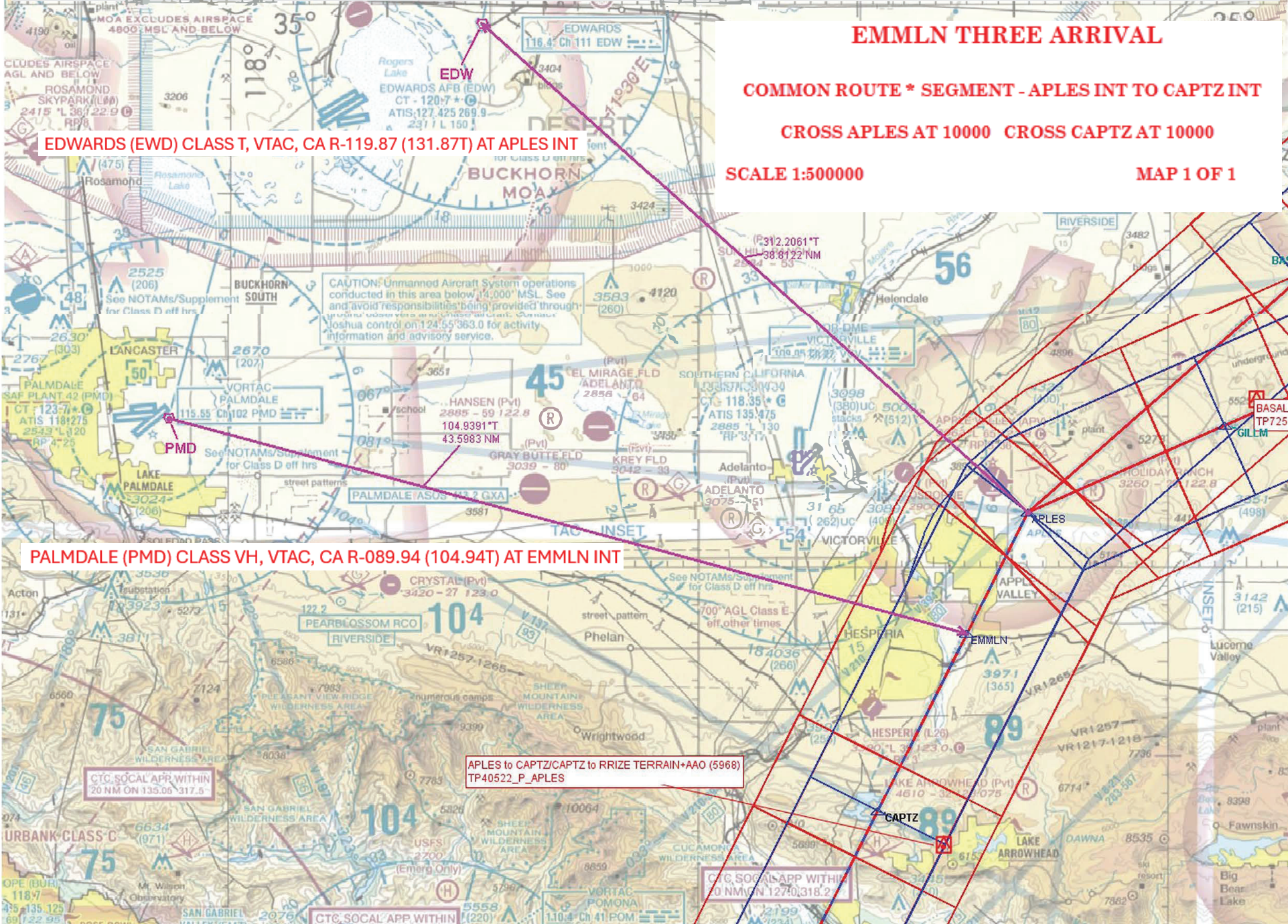
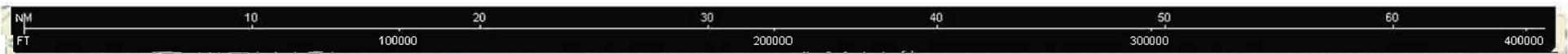
**ESV Details**

Originating Office :AJV-A42		Airspace Docket Number :		Request Type :Establish		
<b>Facility Data</b>						
Chart Name:XING RADIAL APLES EMMLN STAR		City:EDWARDS		Ident:EDW		State:CA
Type/Class: NONE		Frequency: M116.4		Reference Number: 25112099		
<b>Extended Service Volume Data: (Requesting Officer)</b>						
ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	
AF 670308 - 018	120		39	100	175	
Requirement: XING RADIAL FIX APLES EMMLN STAR						
Signature:STUCKEY BOYD		Routing Symbol:AJV-A432			Date:11/05/2025	
<b>Extended Service Volume Data: (FMO)</b>						
ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
AF 670308 - 018	120		39	100	175	APPROVE
Requirement/Remarks: XING RADIAL FIX APLES EMMLN STARAPPROVED. FREQ. PROTECTION & FIELD STRENGTH. PENDING FLIGHT INSPECT @ REQUIRED. DIST. & MIN ALT..						
Signature:Hughes Dennis		Routing Symbol:			Date:11/12/2025	
<b>Extended Service Volume Data: (Super FMO)</b>						
ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
AF 670308 - 018	120		39	100	175	APPROVE
Requirement/Remarks: XING RADIAL FIX APLES EMMLN STARAPPROVED. FREQ. PROTECTION & FIELD STRENGTH. PENDING FLIGHT INSPECT @ REQUIRED. DIST. & MIN ALT..						
Signature:Hughes Dennis		Routing Symbol:			Date:11/12/2025	
<b>Extended Service Volume Data: (FIFO)</b>						
ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
AF 670308 - 018	120					
Requirement/Remarks:						
Signature:		Routing Symbol:			Date:	

**ESV Details**

Originating Office :AJV-A42		Airspace Docket Number :		Request Type :Establish		
<b>Facility Data</b>						
Chart Name:EMMLN CROSSING RADIAL		City:PALMDALE		Ident:PMD		State:CA
Type/Class: H-VOR		Frequency: M115.55		Reference Number: 25112071		
<b>Extended Service Volume Data: (Requesting Officer)</b>						
ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	
FAA 230351 - 014	90		44	100	170	
Requirement: EMMNL CROSSING RADIAL						
Signature:STUCKEY BOYD		Routing Symbol:AJB-A432			Date:11/04/2025	
<b>Extended Service Volume Data: (FMO)</b>						
ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 230351 - 014	90		44	100	170	APPROVE
Requirement/Remarks: EMMNL CROSSING RADIALAPPROVED. FREQ. PROTECTION & FIELD STRENGTH. PENDING FLIGHT INSPECT @ REQUIRED. DIST. & MIN ALT..						
Signature:Hughes Dennis		Routing Symbol:			Date:11/10/2025	
<b>Extended Service Volume Data: (Super FMO)</b>						
ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 230351 - 014	90		44	100	170	APPROVE
Requirement/Remarks: EMMNL CROSSING RADIALAPPROVED. FREQ. PROTECTION & FIELD STRENGTH. PENDING FLIGHT INSPECT @ REQUIRED. DIST. & MIN ALT..						
Signature:Hughes Dennis		Routing Symbol:			Date:11/10/2025	
<b>Extended Service Volume Data: (FIFO)</b>						
ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 230351 - 014	90					
Requirement/Remarks:						
Signature:		Routing Symbol:			Date:	





# EMMLN THREE ARRIVAL

COMMON ROUTE \* SEGMENT - APLES INT TO CAPTZ INT

CROSS APLES AT 10000 CROSS CAPTZ AT 10000

SCALE 1:500000

MAP 1 OF 1

EDWARDS (EDW) CLASS T, VTAC, CA R-119.87 (131.87T) AT APLES INT

PALMDALE (PMD) CLASS VH, VTAC, CA R-089.94 (104.94T) AT EMMLN INT

APLES to CAPTZ/CAPTZ to RRIZE TERRAIN+AAO (5968)  
TP40522\_P\_APLES

CTC, SOCAL APP WITHIN  
20 NM ON 135.06/317.5

CTC, SOCAL APP WITHIN  
20 NM ON 127.0/318.2