Flight Procedure Tracking Form	Action: FLIGHT CHECK	Task Type: STAR	Date Open: 11/08/2010	Task #: 2010110825948101002	Request #: 20101108259481
Procedure: STAR LZZRD (RNAV) ONE ALBUQUERQUE NM KABQ		Airport ID: KABQ	Airport: ALBUQUERQUE INTL SUNPORT		Reimbursable #:
City: ALBUQUERQUE	ST: NM	GPS #:		Estimated Chart Date: 01/10/2013	FICO #:
Fac ID:	Fac. Type: Proc D	Specialist: STEPHEN PETERSON			

Procedure Review

	Rec'd	Rel'd	Full Name	Comments
Lead:	05/07/2012	09/13/2012	JILL OLSON	
QA:	09/13/2012	09/13/2012	SCOTT BEARD	
Liaison:	09/13/2012		Spurlin	REPLACEMENT 9/13/12 - DME/DME

DME / DME

ESV REQUEST INCLUDE

Procedure Comments: ENROUTE

Remark Type: INFORMATION

Ag 4 of 5

ALBUQUERQUE, NM ALBUQUERQUE INTL SUNPORT (KABQ) LZZRD ONE (RNAV) (STAR) ENROUTE-YES FC: 11.13.12 PUB: 1.10.13

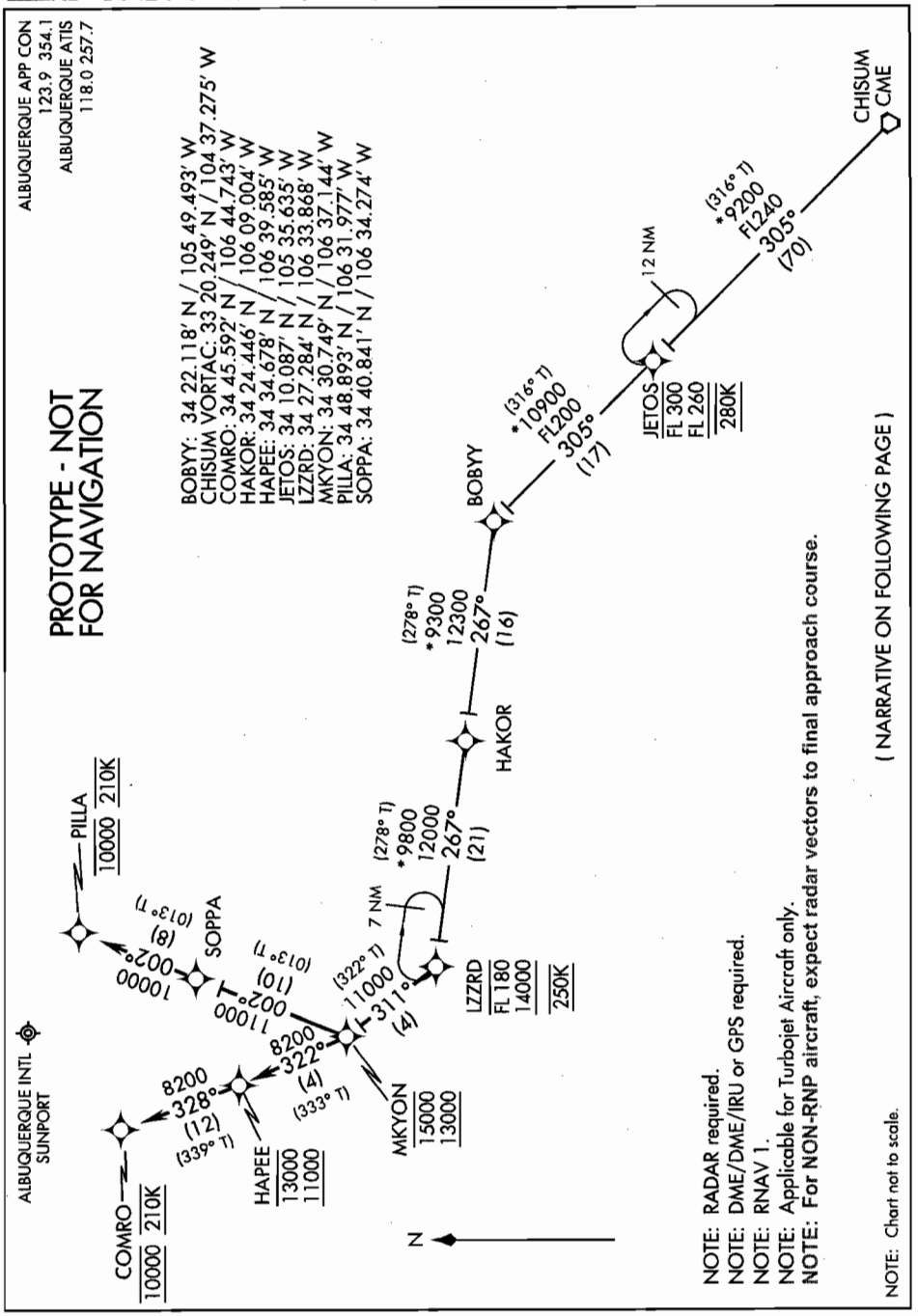
ATTACHED FORMS: ESV REPORTS; 7100-4; 7100-3; 8260-2(S): BOBYY, ORIG; CHISUM (CME) VTAC, REV 17; COMRO, REV 1; HAKOR, ORIG; HAPEE, ORIG; JETOS, ORIG; LZZRD, ORIG; MKYON, ORIG; PILLA, REV 1; SOPPA, ORIG.

CONTACT: JILL OLSON/STEVE BARNETT -AVJ-353 LEADS, 405.954.4014 / 405.954.9307.

LZZRD ONE ARRIVAL (RNAV)

ST-12 (FAA)

ALBUQUERQUE, NEW MEXICO



ARRIVAL ROUTE DESCRIPTION

CHISUM TRANSITION (CME.LZZRD1)

Landing Rwys 03/08: From over LZZRD on track 311° to cross MKYON at or above 13000 and at or below 15000, then on track 322° to cross HAPEE at or above 11000 and at or below 13000, then on track 328° to cross COMRO at 10000 at 210 KTS. Expect RNAV (RNP) approach.

Landing Rwys 21/26: From over LZZRD on track 311° to cross MKYON at or above 13000 and at or below 15000, then on track 002° to SOPPA, then on track 002° to cross PILLA at 10000 at 210 KTS. Expect RNAV (RNP) approach.

LOST COMMUNICATIONS: Standard.

PROTOTYPE - NOT FOR NAVIGATION

ESV Details

Originating Office :	Airspace Docket Number :	Request Type : Establish

Facility Data

Chart Name : ALBUQUERQUE	City : ALBUQUERQUE	Ident : ABQ	State : NM
Type/Class : TACR	Frequency : M1166	Reference No.: 11065647	

Expanded Service Volume Data: (Requesting Officer)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude
FAA 704131-021	136	190	44	80	200

Requirement: ESTABLISH AN ESV FOR THE RNAV STAR LZZRD INTO ABQ.

Signature: Mallett Gary	Routing Symbol: AJV-C2	Date: 06/23/2011

Expanded Service Volume Data: (FMO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 704131-021	136	190	44	80	200	APPROVE

Requirement/Remarks: ESTABLISH AN ESV FOR THE RNAV STAR LZZRD INTO ABQ.Approved. Pend. Flight Chk/Inspect @ the req. dist. and MIN ALT.

Signature: Meza Michael	Routing Symbol:	Date: 06/27/2011

Expanded Service Volume Data: (Super FMO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 704131-021	136	190	44	80	200	APPROVE

Requirement/Remarks: ESTABLISH AN ESV FOR THE RNAV STAR LZZRD INTO ABQ.Approved. Pend. Flight Chk/Inspect @ the req. dist. and MIN ALT.

Signature: CHRISTEIN THOMAS	Routing Symbol:	Date: 06/27/2011

Expanded Service Volume Data: (FIFO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 704131-021	136	190				

Requirement/Remarks:

Signature:	Routing Symbol:	Date:

(FACILITY) PLANE

ESV Details

Originating Office :	Airspace Docket Number :	Request Type : Establish

Facility Data

Chart Name : CNX	City : CORONA	Ident : CNX	State : NM
Type/Class : TACR	Frequency : M1189	Reference No.: 11065648	

Expanded Service Volume Data: (Requesting Officer)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude
FAA 850151-021	260	291	68	80	200

Requirement: ESTABLISH AN ESV FOR THE RNAV STAR LZZRD INTO ABQ.

Signature: Mallett Gary	Routing Symbol: AJV-C2	Date: 06/23/2011

Expanded Service Volume Data: (FMO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 850151-021	260	291	68	80	200	APPROVE

Requirement/Remarks: ESTABLISH AN ESV FOR THE RNAV STAR LZZRD INTO ABQ.Approved. Pend. Flight Chk/Inspect @ the req. dist. and MIN ALT.

Signature: mai kimberly	Routing Symbol:	Date: 06/24/2011

Expanded Service Volume Data: (Super FMO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 850151-021	260	291	68	80	200	APPROVE

Requirement/Remarks: ESTABLISH AN ESV FOR THE RNAV STAR LZZRD INTO ABQ.Approved. Pend. Flight Chk/Inspect @ the req. dist. and MIN ALT.

Signature: CHRISTEIN THOMAS	Routing Symbol:	Date: 06/27/2011

Expanded Service Volume Data: (FIFO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 850151-021	260	291				

Requirement/Remarks:

Signature:	Routing Symbol:	Date:

FACILITY NAME

ESV Details

Originating Office :	Airspace Docket Number :	Request Type : Establish	
Facility Data			
Chart Name : ONM	City : SOCORRO	Ident : ONM	State : NM
Type/Class : TACR	Frequency : M1202	Reference No.: 11065646	

Expanded Service Volume Data: (Requesting Officer)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude
FAA 698219-030	339	68	37	80	200

Requirement: ESTABLISH AN ESV FOR THE RNAV STAR LZZRD INTO ABQ.

Signature: Mallett Gary	Routing Symbol: AJV-C2	Date: 06/23/2011

Expanded Service Volume Data: (FMO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 698219-030	339	68	37	80	200	APPROVE

Requirement/Remarks: ESTABLISH AN ESV FOR THE RNAV STAR LZZRD INTO ABQ.Approved. Pend. Flight Chk/Inspect @ the req. dist. and MIN ALT.

Signature: mai kimberly	Routing Symbol:	Date: 06/24/2011

Expanded Service Volume Data: (Super FMO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 698219-030	339	68	37	80	200	APPROVE

Requirement/Remarks: ESTABLISH AN ESV FOR THE RNAV STAR LZZRD INTO ABQ.Approved. Pend. Flight Chk/Inspect @ the req. dist. and MIN ALT.

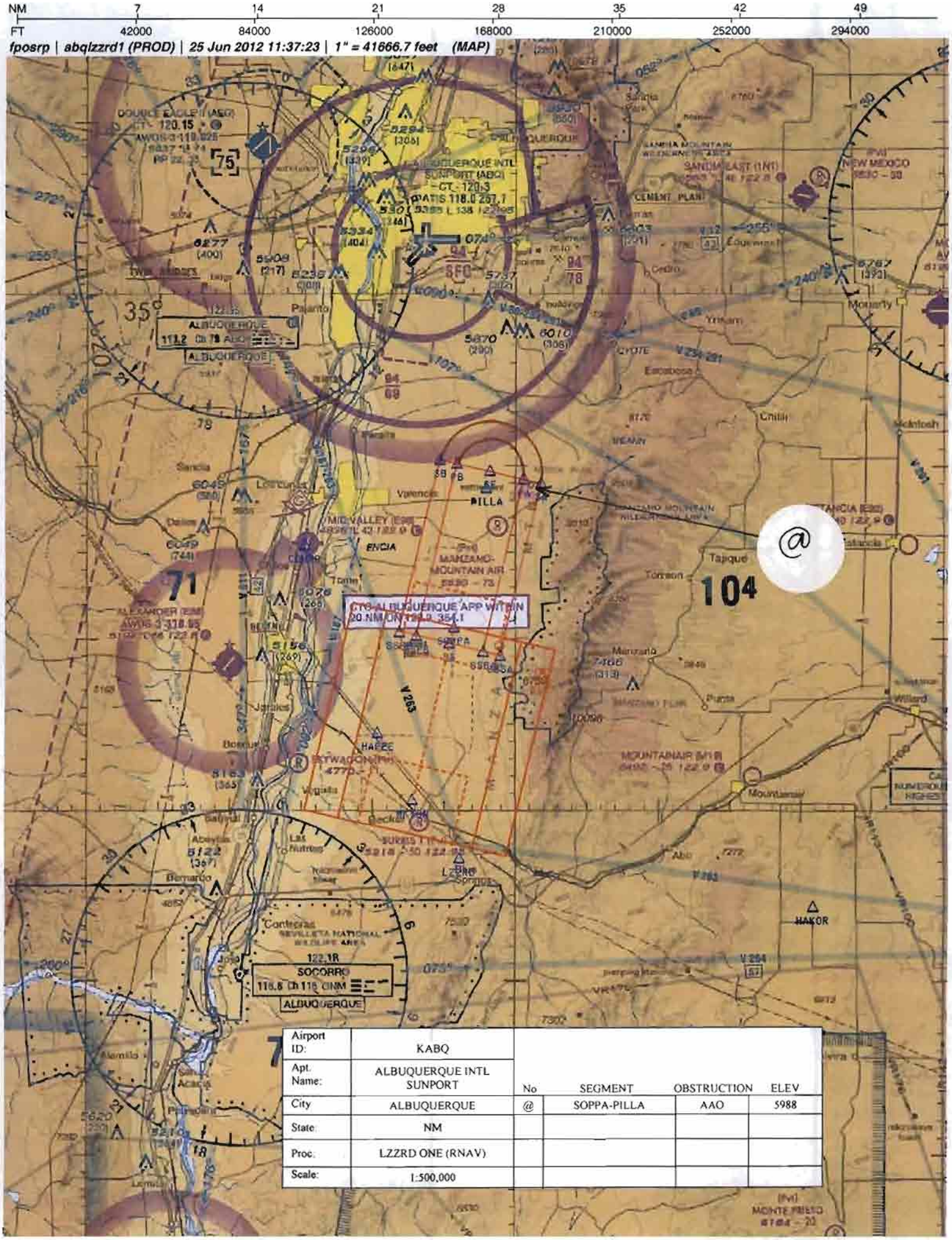
Signature: CHRISTEIN THOMAS	Routing Symbol:	Date: 06/27/2011

Expanded Service Volume Data: (FIFO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 698219-030	339	68				

Requirement/Remarks:

Signature:	Routing Symbol:	Date:



Airport ID:	KABQ				
Apt. Name:	ALBUQUERQUE INTL SUNPORT	No	SEGMENT	OBSTRUCTION	ELEV
City	ALBUQUERQUE	@	SOPPA-PILLA	AAO	5988
State	NM				
Proc.	LZZRD ONE (RNAV)				
Scale:	1:500,000				

US Department of Transportation
Federal Aviation Administration

STAR - Standard Terminal Arrival

1. Bearings, headings, courses and radials are listed to the nearest hundredth (e.g. 360.00)
2. Distances are in nautical miles to nearest hundredth (e.g. 00.00)
3. Altitudes are minimum altitudes unless otherwise indicated

(1) Transition Routes

(a) Transition Name	(b) Transition Computer Codes	(c) From RNAV WP / FIX / NAVAID	(d) To RNAV WP / FIX / NAVAID	(e) Mag Course / Distance	(f) MEA	(g) MOCA	(h) MAA	(i) Crossing Altitudes / Fixes
CHISUM	CME.LZZRD1	CME	***JETOS***	304.90/69.59	FL240	9200		+FL260/-FL300
			BOBYY	305.34/16.62	FL200	10900		
			HAKOR	267.28/16.31	12300	9300		
			LZZRD	266.96/20.76	12000	9800		+14000/-FL180

(2) Arrival Route Description: LANDING RWYS 3/8: FROM OVER LZZRD ON TRACK 310.96/4.39 TO CROSS MKYON AT OR ABOVE 13000 AND AT OR BELOW 15000 (MEA 11000), THEN ON TRACK 321.80/4.41 TO CROSS HAPEE AT OR ABOVE 11000 AND AT OR BELOW 13000 (MEA 8200), THEN ON TRACK 327.69/11.70 TO CROSS COMRO AT 10000 AT 210 KTS (MEA 8200). EXPECT RNAV (RNP) APPROACH.
LANDING RWYS 21/26: FROM OVER LZZRD ON TRACK 310.96/4.39 TO CROSS MKYON AT OR ABOVE 13000 AND AT OR BELOW 15000 (MEA 11000), THEN ON TRACK 002.22/10.35 TO SOPPA (MEA 11000), THEN ON TRACK 002.24/8.26 TO CROSS PILLA AT 10000 AT 210 KTS (MEA 10000). EXPECT RNAV (RNP) APPROACH.

(3) Procedural Data Notes: CROSS JETOS AT 280 KTS. CROSS LZZRD AT 250 KTS.

NOTE: RADAR REQUIRED.
NOTE: DME/DME/IRU OR GPS REQUIRED.
NOTE: RNAV 1.
NOTE: CHART NOT TO SCALE.
NOTE: APPLICABLE FOR TURBOJET AIRCRAFT ONLY.
NOTE: FOR NON-RNP AIRCRAFT, EXPECT RADAR VECTORS TO FINAL APPROACH COURSE.

(4) Fixes and/or Holding Patterns: CHART HOLDING AT LZZRD: HOLD E, RT, 266.69 INBOUND, 7 NM LEGS.
CHART HOLDING AT JETOS: HOLD SE, RT, 304.90 INBOUND, 12 NM LEGS.

(5) Communications: ABQ ARTCC, ABQ APP CON, ABQ ATIS

QUALITY 4 CHECKED

(6) Arrival Name	(7) Number	(8) STAR Computer Code	(9) Superseded Nr.	(10) Dated	(11) Effective Date
LZZRD RNAV	ONE	LZZRD.LZZRD1	NONE		

FAA Form 7100-4 (7/02)

(12) Airports Served	
Airport Name ALBUQUERQUE INTL SUNPORT	City/State ALBUQUERQUE, NM
Airport Name	City/State
Airport Name	City/State
Airport Name	City/State
Airport Name	City/State
Airport Name	City/State

(13) Lost Communications Procedure: STANDARD

(14) Remarks: REFERENCE MAGNETIC VARIATION = KABQ 11E/1995

(15) Additional Flight Data: (DO NOT CHART) DME/DME ASSESSMENT: SAT (RNP 2.0)

QUALITY 4 CHECKED

(6) Arrival Name	(7) Number	(8) STAR Computer Code	(9) Superseded Nr.	(10) Dated	(11) Effective Date
LZZRD RNAV	ONE	LZZRD.LZZRD1	NONE		

(16) Continuation:

(17) Changes:

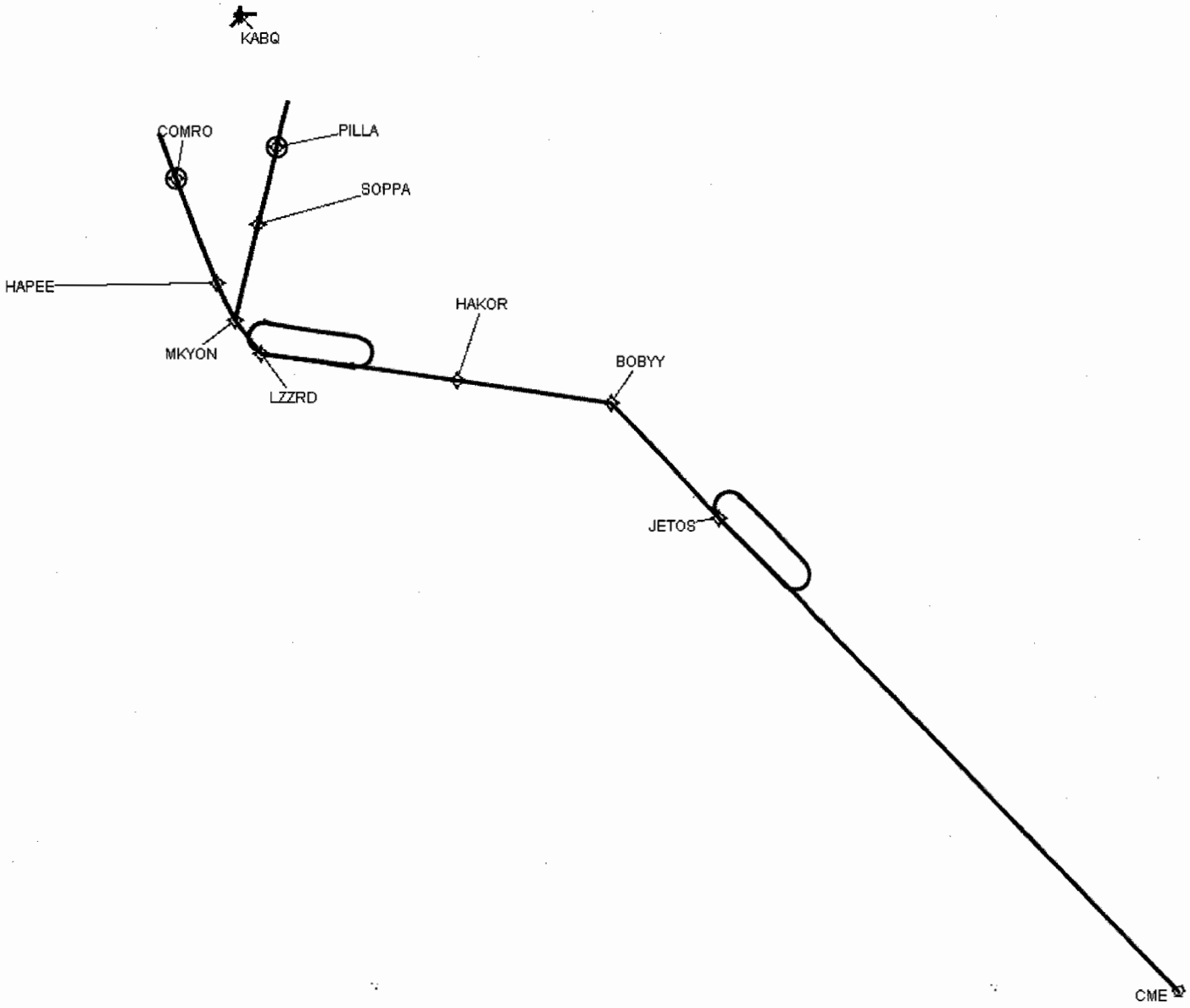
(18) Reasons for Changes:
8/28/2012: THIS IS AN UPDATED COPY OF THE FORM DEVELOPED ON 4/5/2012.
1. CHANGED ALL RWY TRANSITIONS FROM EXPECTING RADAR VECTORS TO EXPECTING RNAV (RNP) APPROACH.
2. REMOVED "LANDING RWY" NOTES AND REPLACED WITH "NON-RNP AIRCRAFT" NOTE.

QUALITY CHECKED 4

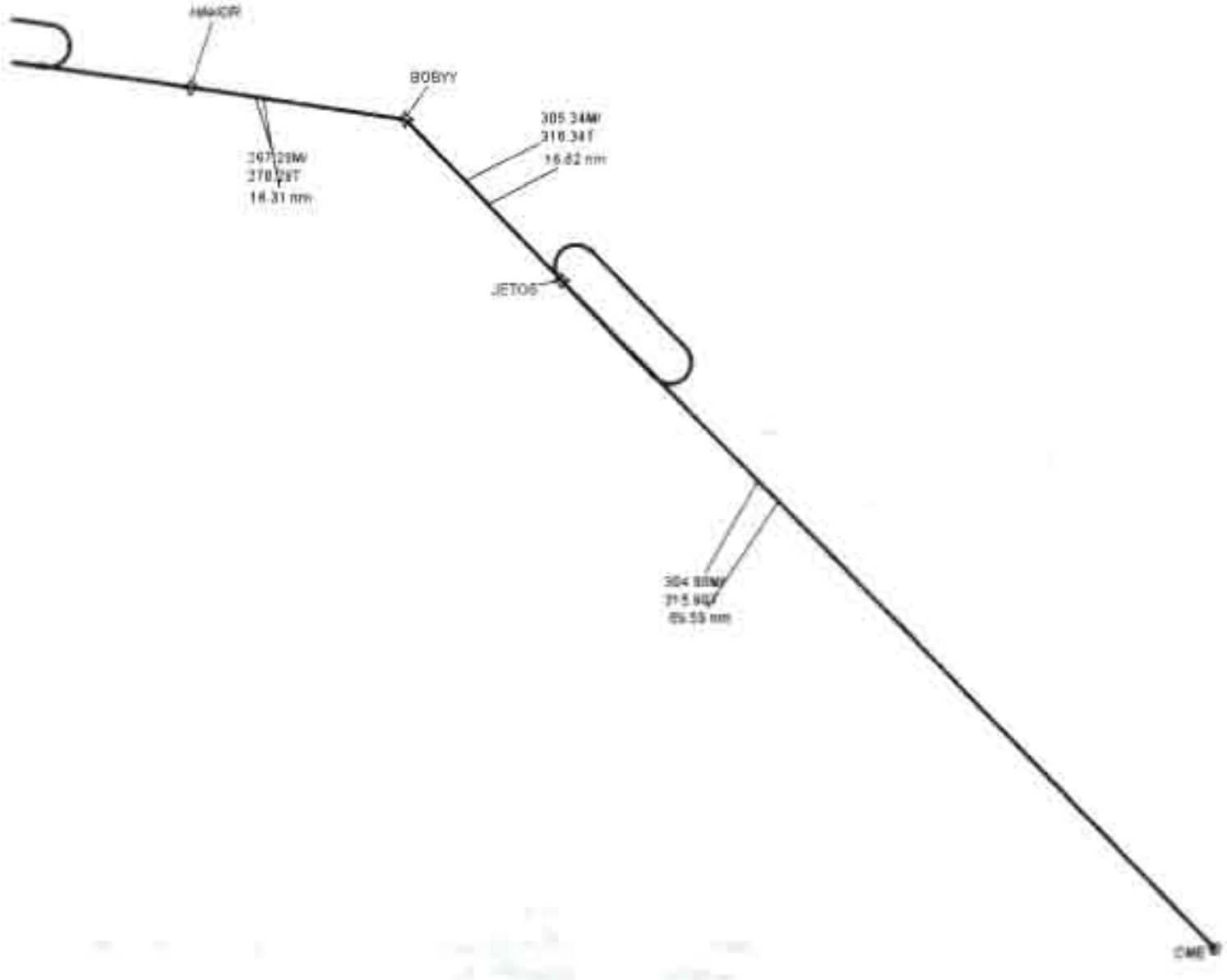
	Name (Typed and Signed), Title and Organization		DATE
Developed By	Leonie Sanmiguel, Support Manager, Airspace & Procedures, Albuquerque ARTCC		
Approved	**NFPG**		
	Reg. ATD		

(6) Arrival Name	(7) Number	(8) STAR Computer Code	(9) Superseded Nr.	(10) Dated	(11) Effective Date
LZZRD RNAV ARRIVAL	ONE	LZZRD.LZZRD1	NONE		

(19) Graphic Depiction (1 of 13)



(19) Graphic Depiction (2 of 13)



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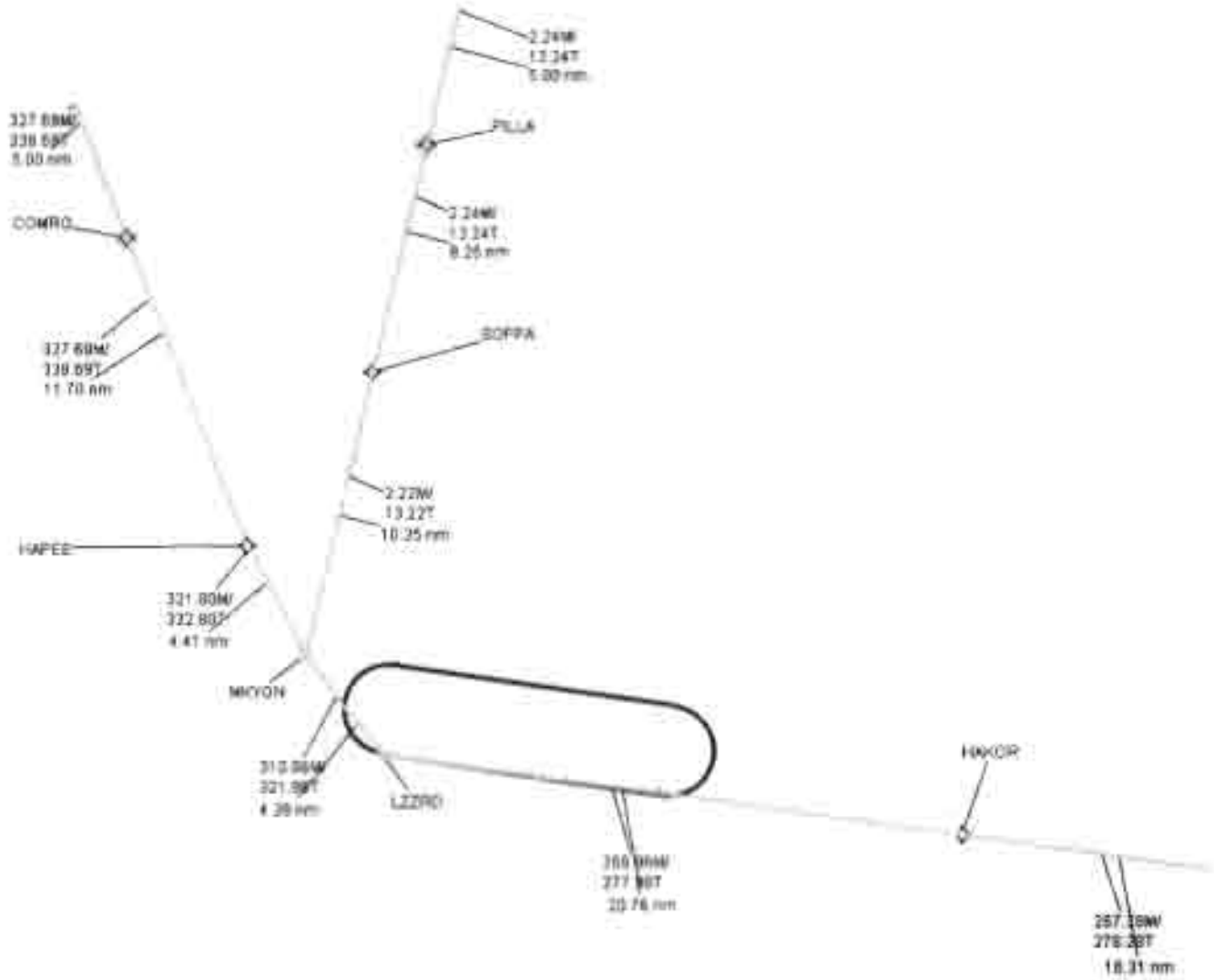
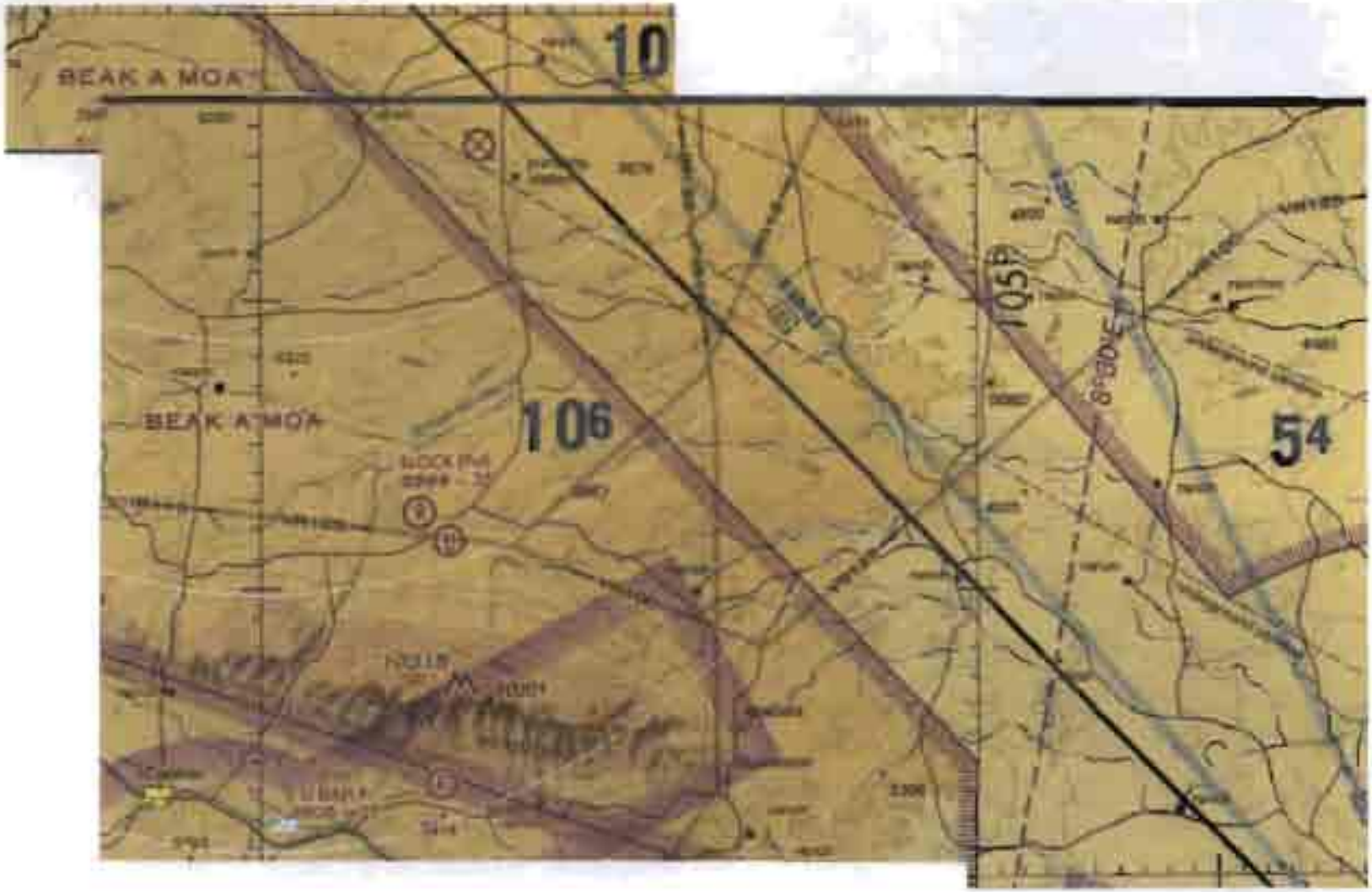


(19) Graphic Depiction (4 of 13)

(19) Graphic Depiction (5 of 13)



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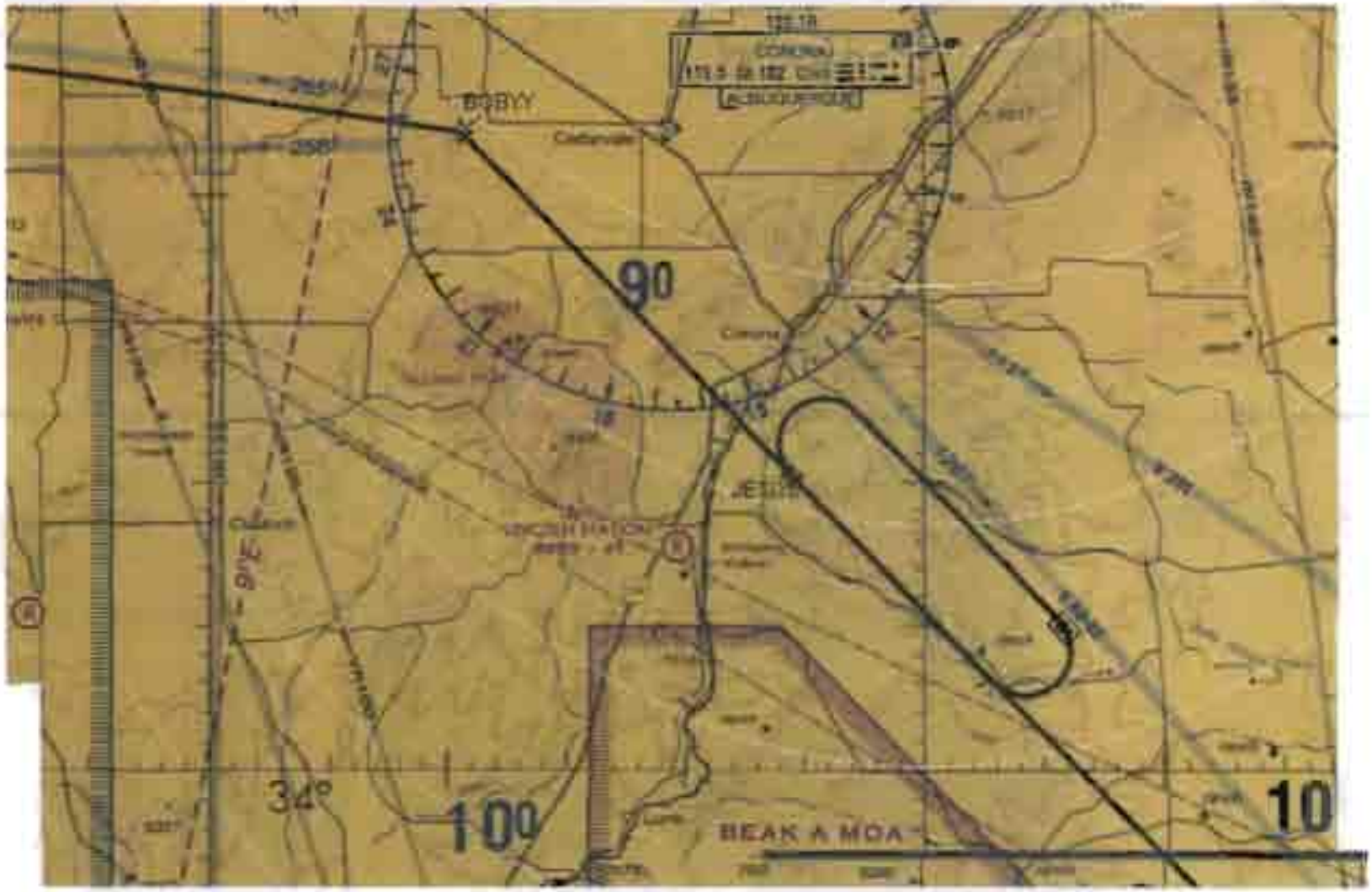

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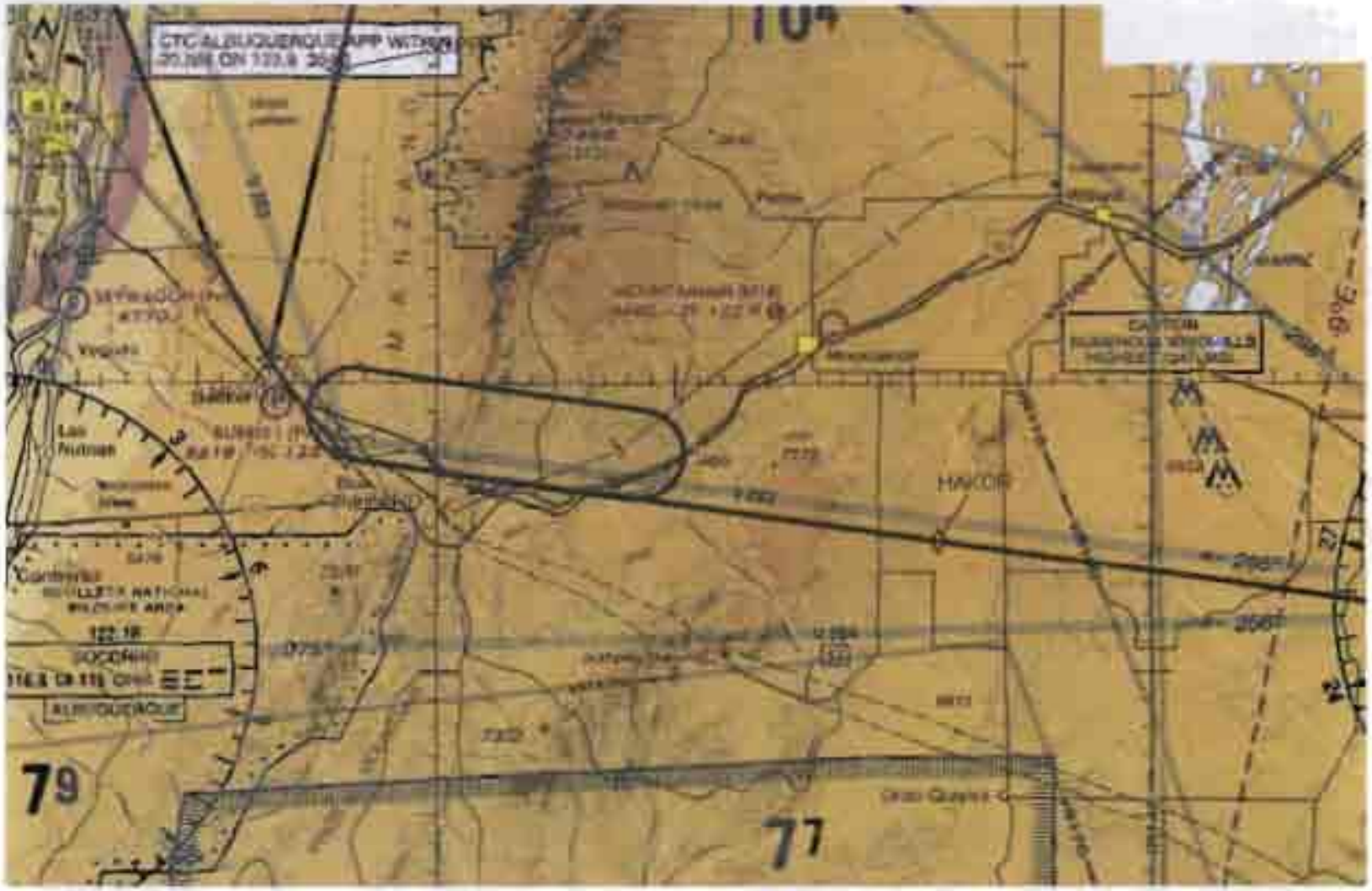
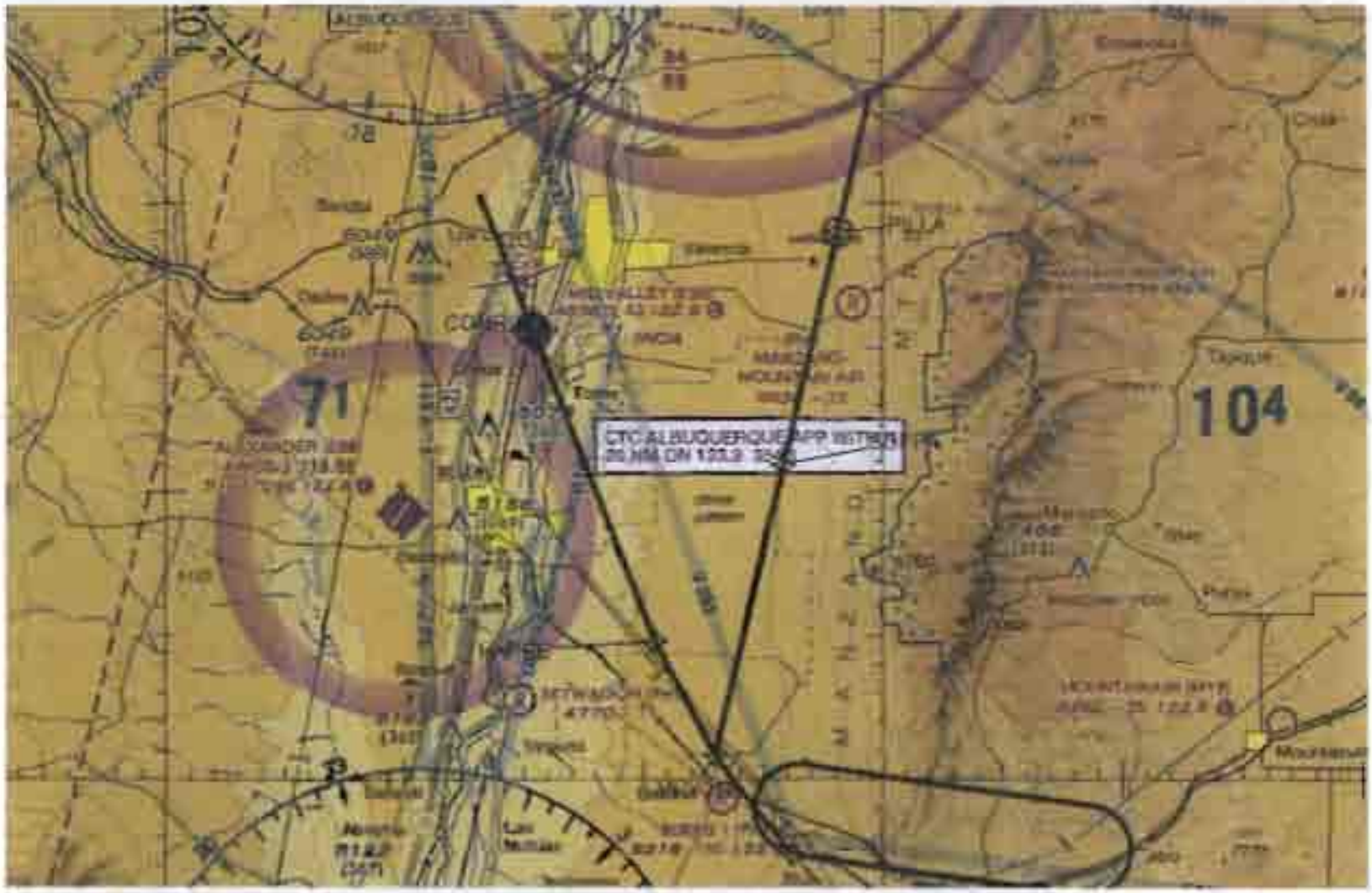


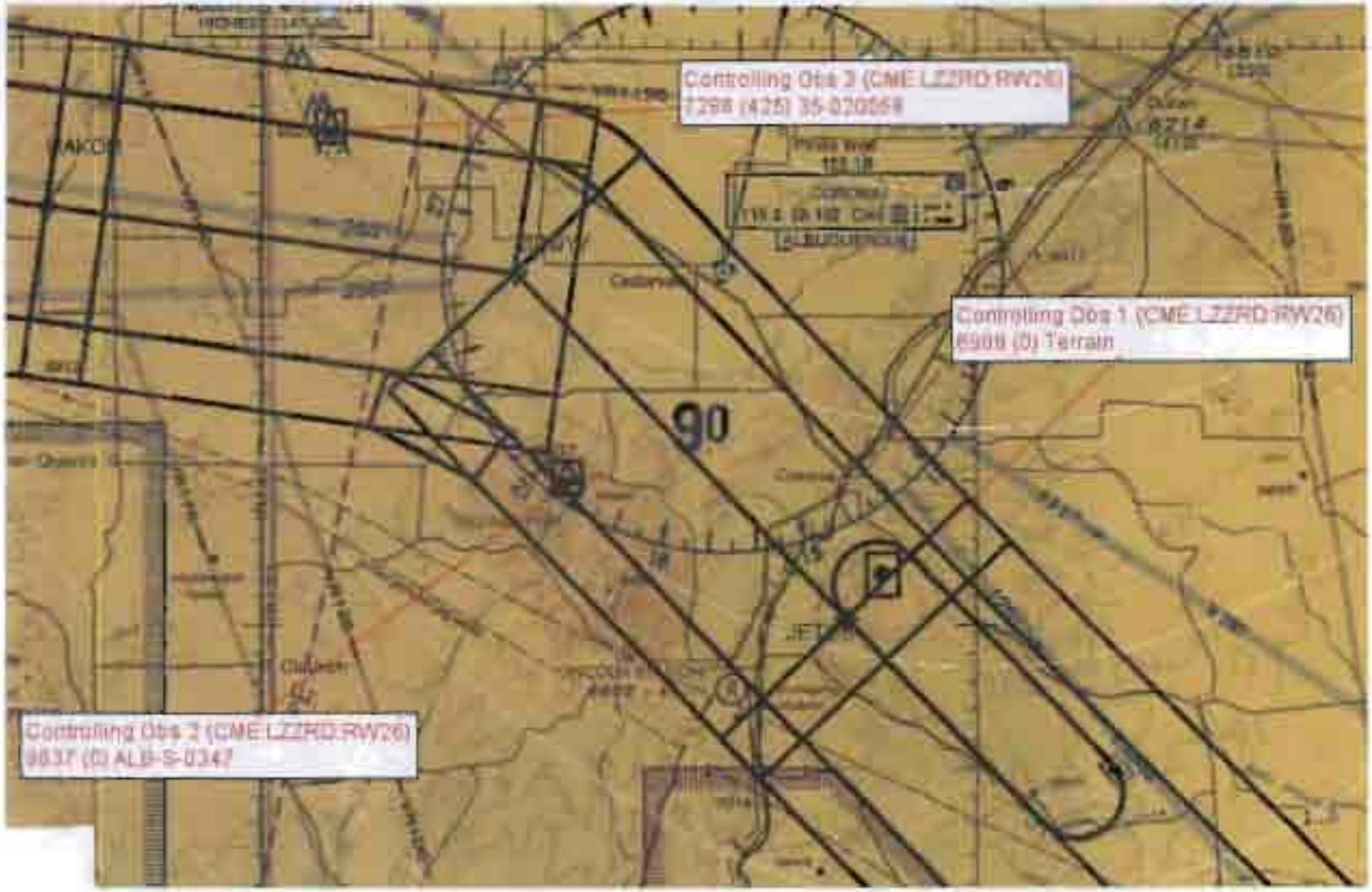
(19) Graphic Depiction (8 of 13)



(19) Graphic Depiction (9 of 13)

(19) Graphic Depiction (10 of 13)

(19) Graphic Depiction (11 of 13)



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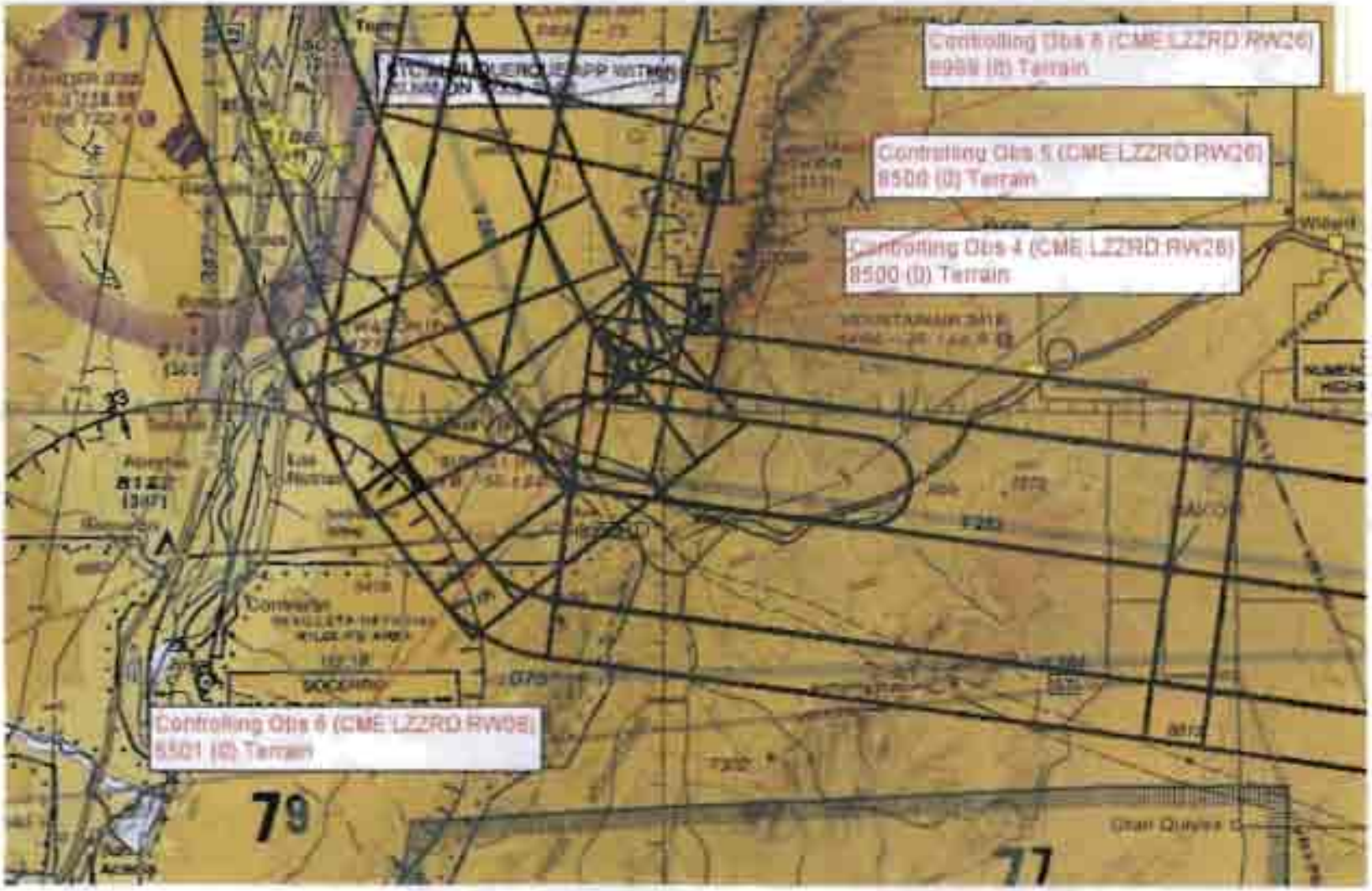

(19) Graphic Depiction (13 of 13)

US Department of Transportation
Federal Aviation Administration

RNAV STAR (Data Record)

(1) FIX/NAVAID	(2) LAT/LONG	(3) C	(4) FO/FB	(5) LEG	(6) TC	(7) DIST	(8) ALTITUDE	(9) SPEED	(10) REMARKS
En Route Transition									
CME VORTAC	332014.92N / 1043716.48W	Y		IF					CME.LZZRD1
JETOS	341005.21N / 1053538.10W	Y	FB	TF	315.90	69.59	+FL260/-FL300	280	HOLDING, RT, 304.90 INBOUND
BOBYY	342207.06N / 1054929.58W	Y	FB	TF	316.34	16.62			
HAKOR	342426.74N / 1060900.26W	Y	FB	TF	278.28	16.31			
LZZRD	342717.05N / 1063352.07W	Y	FB	TF	277.96	20.76	+14000/-FL180	250	HOLDING, RT, 266.96 INBOUND
Common Route									
LZZRD	342717.05N / 1063352.07W	Y		IF			+14000/-FL180	250	LZZRD.LZZRD1
MKYON	343044.94N / 1063708.61W	Y	FB	TF	321.96	04.39	+13000/-15000		
Runway Transition									
MKYON	343044.94N / 1063708.61W	Y		IF					RW03.LZZRD1
HAPEE	343440.69N / 1063935.09W	Y	FB	TF	332.80	04.41	+11000/-13000		
COMRO	344535.52N / 1064444.58W	Y	FB	TF	338.69	11.70	10000	210	
RW03									

(11) Arrival Name	(12) Number	(13) STAR Computer Code	(14) Superseded Nr.	(15) Dated	(16) Effective Date
LZZRD RNAV	ONE	LZZRD.LZZRD1	NONE		

QUALITY CHECKED

FAA Form 7100-3 (9/02)

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Federal Aviation Administration

RNAV STAR (Data Record)

(1) FIX/NAVAID	(2) LAT/LONG	(3) C	(4) FO/FB	(5) LEG	(6) TC	(7) DIST	(8) ALTITUDE	(9) SPEED	(10) REMARKS
Runway Transition									
MKYON	343044.94N / 1063708.61W	Y		IF					RW08.LZZRD1
HAPEE	343440.69N / 1063935.09W	Y	FB	TF	332.80	04.41	+11000/-13000		
COMRO	344535.52N / 1064444.58W	Y	FB	TF	338.69	11.70	10000	210	
RW08									
Runway Transition									
MKYON	343044.94N / 1063708.61W	Y		IF					RW21.LZZRD1
SOPPA	344050.48N / 1063416.42W	Y	FB	TF	013.22	10.35			
PILLA	344853.57N / 1063158.59W	Y	FB	TF	013.24	08.26	10000	210	
RW21									
Runway Transition									
MKYON	343044.94N / 1063708.61W	Y		IF					RW26.LZZRD1
SOPPA	344050.48N / 1063416.42W	Y	FB	TF	013.22	10.35			

QUALITY CHECK

(11) Arrival Name	(12) Number	(13) STAR Computer Code	(14) Superseded Nr.	(15) Dated	(16) Effective Date
LZZRD RNAV	ONE	LZZRD.LZZRD1	NONE		

FAA Form 7100-3 (9/02)

US Department of Transportation
Federal Aviation Administration

RNAV STAR (Data Record)

(1) FIX/NAVAID	(2) LAT/LONG	(3) C	(4) FO/FB	(5) LEG	(6) TC	(7) DIST	(8) ALTITUDE	(9) SPEED	(10) REMARKS
PILLA	344853.57N / 1063158.59W	Y	FB	TF	013.24	08.26	10000	210	
RW26									

(11) Arrival Name	(12) Number	(13) STAR Computer Code	(14) Superseded Nr.	(15) Dated	(16) Effective Date
LZZRD RNAV	ONE	LZZRD.LZZRD1	NONE		

QUALITY CHECKED

FAA Form 7100-3 (9/02)

US Department of Transportation
Federal Aviation Administration

STAR (Data Record)

ARINC PACKET - 424-18 - STAR

```
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                 1         2         3         4         5         6         7         8         9         0         1         2         3
WP      123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
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        SUSAEAENRT   BOBYY K20    W   H N34220706W105492958                      E0087     NAR           BOBYY
        SUSAEAENRT   COMRO K20    W   L N34453552W106444458                      E0091     NAR           COMRO
        SUSAEAENRT   HAKOR K20    W   B N34242674W106090026                      E0088     NAR           HAKOR
        SUSAEAENRT   HAPEE K20    W   L N34344069W106393509                      E0090     NAR           HAPEE
        SUSAEAENRT   JETOS K20    W   H N34100521W105353810                      E0085     NAR           JETOS
        SUSAEAENRT   LZZRD K20    W   B N34271705W106335207                      E0090     NAR           LZZRD
        SUSAEAENRT   MKYON K20    W   L N34304494W106370861                      E0090     NAR           MKYON
        SUSAEAENRT   PILLA K20    W   L N34485357W106315859                      E0090     NAR           PILLA
        SUSAEAENRT   SOPPA K20    W   L N34405048W106341642                      E0090     NAR           SOPPA

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AIRPORT 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
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SEGMENT 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KABQK2ELZZRD14CME   010CME  K2D 0V       IF                                                  18000
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        SUSAP KABQK2ELZZRD14CME   030BOBYYK2EA0E    010TF                    30530166
        SUSAP KABQK2ELZZRD14CME   040HAKORK2EA0E    010TF                    26730163
        SUSAP KABQK2ELZZRD14CME   050LZZRDK2EA0EE H 010TF                    26700208    B FL18014000     250
        SUSAP KABQK2ELZZRD15      010LZZRDK2EA0E  H    IF                                B FL1801400018000250
        SUSAP KABQK2ELZZRD15      020MKYONK2EA0EE   010TF                    31100044    B 1500013000
        SUSAP KABQK2ELZZRD16RW03  010MKYONK2EA0E       IF                                B 150001300018000
        SUSAP KABQK2ELZZRD16RW03  020HAPEEK2EA0E    010TF                    32180044    B 1300011000
        SUSAP KABQK2ELZZRD16RW03  030COMROK2EA0EE   010TF                    32770117      10000          210
        SUSAP KABQK2ELZZRD16RW08  010MKYONK2EA0E       IF                                B 150001300018000
        SUSAP KABQK2ELZZRD16RW08  020HAPEEK2EA0E    010TF                    32180044    B 1300011000
        SUSAP KABQK2ELZZRD16RW08  030COMROK2EA0EE   010TF                    32770117      10000          210
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QUALITY CHECKED

(11) Arrival Name	(12) Number	(13) STAR Computer Code	(14) Superseded Nr.	(15) Dated	(16) Effective Date
LZZRD RNAV	ONE	LZZRD.LZZRD1	NONE		

FAA Form 7100-3 (9/02)

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SUSAP KABQK2ELZZRD16RW21  020SOPPAK2EA0E    010TF                    00220104
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SUSAP KABQK2ELZZRD16RW26  010MKYONK2EA0E       IF                                B 150001300018000
SUSAP KABQK2ELZZRD16RW26  020SOPPAK2EA0E    010TF                    00220104
SUSAP KABQK2ELZZRD16RW26  030PILLAK2EA0EE   010TF                    00220083      10000          210
```

```
                 1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KABQK2GRW03    0100000338 N35012009W106375017+0100    +1595705305000060150IIBZY1
        SUSAP KABQK2GRW08    0137930794 N35023960W106370569+0300    +1598705315100054150IISPT1
        SUSAP KABQK2GRW21    0100002138 N35023027W106362546-0100    +1599205316000055150R
        SUSAP KABQK2GRW26    0137932595 N35023863W106343189-0300    +1611205355000050150R
```

QUALITY CHECKED 4

(11) Arrival Name	(12) Number	(13) STAR Computer Code	(14) Superseded Nr.	(15) Dated	(16) Effective Date
LZZRD RNAV	ONE	LZZRD.LZZRD1	NONE		

US Department of Transportation
Federal Aviation Administration

STAR (Data Record)

ARINC SUMMARY - 424-18 - STAR

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	CME	CME	010		IF		FB					
	CME	JETOS	020		TF		FB	1.0	304.9()	069.6	BT FL300FL260	AT 280
	CME	BOBYY	030		TF		FB	1.0	305.3()	016.6		
	CME	HAKOR	040		TF		FB	1.0	267.3()	016.3		
	CME	LZZRD	050		TF		FB	1.0	267.0()	020.8	BT FL18014000	AT 250
		LZZRD	010		IF		FB				BT FL18014000	AT 250
		MKYON	020		TF		FB	1.0	311.0()	004.4	BT 1500013000	
	RW03	MKYON	010		IF		FB				BT 1500013000	
	RW03	HAPEE	020		TF		FB	1.0	321.8()	004.4	BT 1300011000	
	RW03	COMRO	030		TF		FB	1.0	327.7()	011.7	AT 10000	AT 210
	RW08	MKYON	010		IF		FB				BT 1500013000	
	RW08	HAPEE	020		TF		FB	1.0	321.8()	004.4	BT 1300011000	
	RW08	COMRO	030		TF		FB	1.0	327.7()	011.7	AT 10000	AT 210
	RW21	MKYON	010		IF		FB				BT 1500013000	
	RW21	SOPPA	020		TF		FB	1.0	002.2()	010.4		
	RW21	PILLA	030		TF		FB	1.0	002.2()	008.3	AT 10000	AT 210
	RW26	MKYON	010		IF		FB				BT 1500013000	
	RW26	SOPPA	020		TF		FB	1.0	002.2()	010.4		
	RW26	PILLA	030		TF		FB	1.0	002.2()	008.3	AT 10000	AT 210

POINT DATA

WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
CME	N332014.92	W1043716.48	N3320.249	W10437.275
BOBYY	N342207.06	W1054929.58	N3422.118	W10549.493
COMRO	N344535.52	W1064444.58	N3445.592	W10644.743
HAKOR	N342426.74	W1060900.26	N3424.446	W10609.004
HAPEE	N343440.69	W1063935.09	N3434.678	W10639.585
JETOS	N341005.21	W1053538.10	N3410.087	W10535.635
LZZRD	N342717.05	W1063352.07	N3427.284	W10633.868
MKYON	N343044.94	W1063708.61	N3430.749	W10637.144
PILLA	N344853.57	W1063158.59	N3448.893	W10631.977
SOPPA	N344050.48	W1063416.42	N3440.841	W10634.274
RW03	N350120.09	W1063750.17	N3501.335	W10637.836
RW08	N350239.60	W1063705.69	N3502.660	W10637.095
RW21	N350230.27	W1063625.46	N3502.505	W10636.424
RW26	N350238.63	W1063431.89	N3502.644	W10634.532

RUNWAY DATA THRESHOLD

QUALITY CHECKED

(11) Arrival Name	(12) Number	(13) STAR Computer Code	(14) Superseded Nr.	(15) Dated	(16) Effective Date
LZZRD RNAV	ONE	LZZRD.LZZRD1	NONE		

FAA Form 7100-3 (9/02)

RWY	ELEVATION	TCH
RW03	05305	60
RW08	05315	54
RW21	05316	55
RW26	05355	50

QUALITY CHECKED

(11) Arrival Name	(12) Number	(13) STAR Computer Code	(14) Superseded Nr.	(15) Dated	(16) Effective Date
LZZRD RNAV	ONE	LZZRD.LZZRD1	NONE		

RADIO FIX AND HOLDING DATA RECORD

NAME: BOBYY **STATE:** NM **COUNTRY:** US

LATITUDE/LONGITUDE: 342207.06N/1054929.58W **TYPE:** WP

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

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
STAR	LZZRD (RNAV)			KABQ	ALBUQUERQUE	NM (US)

REQUIRED CHARTING: STAR, CONTROLLER, EN ROUTE HIGH

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG **DATE OF REVISION:** 11/15/2012

DEVELOPED BY: **DATE:** 06/28/2012 **OFFICE:** AJV-353 **NAME:** JILL OLSON (STEPHEN PETERSON)

APPROVED BY: **DATE:** **OFFICE:** AJV-353 **NAME:** LARRY STROUT

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: CEN
ARTCC: ZAB
ATC FACILITY: ABQ APP CON
OTHER:

RADIO FIX AND HOLDING DATA RECORD

NAME: CHISUM VORTAC **STATE:** NM **COUNTRY:** US

LATITUDE/LONGITUDE: 332014.92N/1043716.48W **TYPE:**

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	DIST FROM FAC FEET	MRA	MAA
1	CHISUM	CME	VORTAC	H							45000

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

PATTERNS:

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG LENGTH TIME	LEG LENGTH DME	HOLDING ALTITUDES MIN	HOLDING ALTITUDES MAX	TEMPLATES MIN	TEMPLATES MAX
1	W	CME	VORTAC	278.00	098.00	R	1-1 1/2		6000	17500	5	16

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
UPN	230	AAO	331721.00N/1045612.00W	5050	4E
1	200	AAO	332136.00N/1044915.00W	4551	4E
1	265	AAO	332154.00N/1045657.00W	5082	4E
1	310	AAO	332012.00N/1045818.00W	5319	4E

HOLDING RESTRICTIONS:
UNPLANNED HOLDING AUTHORIZED AT OR ABOVE 8000.

PROCEDURES REQUIRING CLIMB-IN-HOLD:

PAT	PROCEDURE TITLE	AIRPORT IDENT	CITY	STATE
1	LOC BC RWY 3	KROW	ROSWELL	NM (US)
1	VOR-B	KROW	ROSWELL	NM (US)

REMARKS:
PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	DOOKK (RNAV)			KABQ	ALBUQUERQUE	NM (US)
DP	JETOK			KABQ	ALBUQUERQUE	NM (US)
DP	T/O MINS AND ODP			KROW	ROSWELL	NM (US)
DP	LATVE (RNAV)			KELP	EL PASO	TX (US)
DP	MIDLAND			KMAF	MIDLAND	TX (US)
EN ROUTE	J15					(US)
EN ROUTE	J166					(US)
EN ROUTE	J26					(US)
EN ROUTE	J65					(US)
EN ROUTE	V280					(US)
EN ROUTE	V291					(US)
EN ROUTE	V68					(US)
EN ROUTE	V83					(US)
EN ROUTE	V14					NM (US)
IAP	VOR/DME RWY 3			KALM	ALAMOGORDO	NM (US)
IAP	NDB RWY 12			KATS	ARTESIA	NM (US)
IAP	NDB RWY 30			KATS	ARTESIA	NM (US)
IAP	RNAV (GPS) RWY 12			KATS	ARTESIA	NM (US)
IAP	RNAV (GPS) RWY 21			KATS	ARTESIA	NM (US)
IAP	HI ILS OR LOC RWY 21		1	KROW	ROSWELL	NM (US)
IAP	ILS OR LOC RWY 21		1	KROW	ROSWELL	NM (US)
IAP	LOC BC RWY 3		1	KROW	ROSWELL	NM (US)
IAP	RNAV (GPS) RWY 17			KROW	ROSWELL	NM (US)
IAP	RNAV (GPS) RWY 21			KROW	ROSWELL	NM (US)
IAP	RNAV (GPS) RWY 3			KROW	ROSWELL	NM (US)
IAP	RNAV (GPS) RWY 35			KROW	ROSWELL	NM (US)
IAP	VOR-B		1	KROW	ROSWELL	NM (US)
IAP	ILS OR LOC/DME RWY 24			KSRR	RUIDOSO	NM (US)
STAR	LZZRD (RNAV)			KABQ	ALBUQUERQUE	NM (US)
STAR	MIERA			KABQ	ALBUQUERQUE	NM (US)
STAR	MIERA			KAEG	ALBUQUERQUE	NM (US)
STAR	SAMMR (RNAV)			KELP	EL PASO	TX (US)

REQUIRED CHARTING: DP, STAR, MILITARY IAP, IAP, CONTROLLER, EN ROUTE LOW, EN ROUTE HIGH

COMPULSORY REPORTING POINT: LOW

RECORD REVISION NUMBER: 17 **DATE OF REVISION:** 11/15/2012

QUALITY CHECKED

REASON FOR REVISION:
ADDED DP TO REQUIRED CHARTING.

DEVELOPED BY:	**DATE:** 06/22/2012	**OFFICE:** AJV-353	**NAME:** BEV L BORDY
APPROVED BY:	**DATE:**	**OFFICE:** AJV-353	**NAME:** LARRY STROUT
	SIGNATURE:		

DISTRIBUTION:
NFDC
FPO: CEN
ARTCC: ZAB
ATC FACILITY: ROW APP CON, ELP APP CON, ABQ AP CON
OTHER:

RADIO FIX AND HOLDING DATA RECORD

NAME: COMRO **STATE:** NM **COUNTRY:** US

LATITUDE/LONGITUDE: 344535.52N/1064444.58W **TYPE:** WP

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

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

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	RNAV (RNP) Z RWY 3			KABQ	ALBUQUERQUE	NM (US)
IAP	RNAV (RNP) Z RWY 8			KABQ	ALBUQUERQUE	NM (US)
STAR	LZZRD (RNAV)			KABQ	ALBUQUERQUE	NM (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1 **DATE OF REVISION:** 11/15/2012

REASON FOR REVISION:
ADDED STAR, CONTROLLER, AND EN ROUTE LOW TO REQUIRED CHARTING.

DEVELOPED BY: **DATE:** 07/20/2012 **OFFICE:** AJV-353 **NAME:** JILL OLSON (STEPHEN PETERSON)

APPROVED BY: **DATE:** **OFFICE:** AJV-353 **NAME:** LARRY STROUT

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: CEN
ARTCC: ZAB
ATC FACILITY: ABQ APP CON/ABQ TOWER
OTHER:

RADIO FIX AND HOLDING DATA RECORD

NAME: HAKOR **STATE:** NM **COUNTRY:** US

LATITUDE/LONGITUDE: 342426.74N/1060900.26W **TYPE:** WP

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

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
STAR	LZZRD (RNAV)			KABQ	ALBUQUERQUE	NM (US)

REQUIRED CHARTING: STAR, CONTROLLER, EN ROUTE LOW, EN ROUTE HIGH

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG **DATE OF REVISION:** 11/15/2012

DEVELOPED BY: **DATE:** 06/28/2012 **OFFICE:** AJV-353 **NAME:** JILL OLSON (STEPHEN PETERSON)

APPROVED BY: **DATE:** **OFFICE:** AJV-353 **NAME:** LARRY STROUT

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: CEN
ARTCC: ZAB
ATC FACILITY: ABQ APP CON
OTHER:

RADIO FIX AND HOLDING DATA RECORD

NAME: HAPEE **STATE:** NM **COUNTRY:** US

LATITUDE/LONGITUDE: 343440.69N/1063935.09W **TYPE:** WP

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

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	LZZRD (RNAV)			KABQ	ALBUQUERQUE	NM (US)

REQUIRED CHARTING: STAR, CONTROLLER, EN ROUTE LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG **DATE OF REVISION:** 11/15/2012

DEVELOPED BY: **DATE:** 06/29/2012 **OFFICE:** AJV-353 **NAME:** JILL OLSON (STEPHEN PETERSON)

APPROVED BY: **DATE:** **OFFICE:** AJV-353 **NAME:** LARRY STROUT

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: CEN
ARTCC: ZAB
ATC FACILITY: ABQ APP CON
OTHER:

QUALITY CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: JETOS **STATE:** NM **COUNTRY:** US

LATITUDE/LONGITUDE: 341005.21N/1053538.10W **TYPE:** WP

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

HOLDING: **HOLDING TYPE OF ACTION:** ESTABLISH

PATTERNS:

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG LENGTH TIME	LEG LENGTH DME	HOLDING ALTITUDES MIN	HOLDING ALTITUDES MAX	TEMPLATES MIN	TEMPLATES MAX
1	SE		WP	124.90	304.90	R		12	24000	30000	20	23

HOLDING RESTRICTIONS:
HOLDING LIMITED TO ESTABLISHED PATTERN.

REMARKS:
PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
STAR	LZZRD (RNAV)		1	KABQ	ALBUQUERQUE	NM (US)

REQUIRED CHARTING: STAR, CONTROLLER, EN ROUTE HIGH

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG **DATE OF REVISION:** 11/15/2012

DEVELOPED BY: **DATE:** 06/28/2012 **OFFICE:** AJV-353 **NAME:** JILL OLSON (STEPHEN PETERSON)

APPROVED BY: **DATE:** **OFFICE:** AJV-353 **NAME:** LARRY STROUT

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: CEN
ARTCC: ZAB
ATC FACILITY: ABQ APP CON
OTHER:

QUALITY CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: LZZRD **STATE:** NM **COUNTRY:** US

LATITUDE/LONGITUDE: 342717.05N/1063352.07W **TYPE:** WP

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

HOLDING: **HOLDING TYPE OF ACTION:** ESTABLISH

PATTERNS:

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG LENGTH TIME	LEG LENGTH DME	HOLDING ALTITUDES MIN	HOLDING ALTITUDES MAX	TEMPLATES MIN	TEMPLATES MAX
1	E		WP	086.96	266.96	R		7	12000	18000	10	17

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	230	AAO	343514.40N/1062722.30W	9919	2C

HOLDING RESTRICTIONS:
HOLDING LIMITED TO ESTABLISHED PATTERN.

REMARKS:
PRECIPITOUS TERRAIN EVALUATION COMPLETED.
PAT 1 EVALUATED AS EN ROUTE.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	LZZRD (RNAV)		1	KABQ	ALBUQUERQUE	NM (US)

REQUIRED CHARTING: STAR, CONTROLLER, EN ROUTE LOW, EN ROUTE HIGH

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG **DATE OF REVISION:** 11/15/2012

DEVELOPED BY: **DATE:** 06/29/2012 **OFFICE:** AJV-353 **NAME:** JILL OLSON (STEPHEN PETERSON)

APPROVED BY: **DATE:** **OFFICE:** AJV-353 **NAME:** LARRY STROUT

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: CEN
ARTCC: ZAB
ATC FACILITY: ABQ APP CON
OTHER:

ORIGINAL & CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: MKYON **STATE:** NM **COUNTRY:** US

LATITUDE/LONGITUDE: 343044.94N/1063708.61W **TYPE:** WP

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

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	LZZRD (RNAV)			KABQ	ALBUQUERQUE	NM (US)

REQUIRED CHARTING: STAR, CONTROLLER, EN ROUTE LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG **DATE OF REVISION:** 11/15/2012

DEVELOPED BY: **DATE:** 06/29/2012 **OFFICE:** AJV-353 **NAME:** JILL OLSON (STEPHEN PETERSON)

APPROVED BY: **DATE:** **OFFICE:** AJV-353 **NAME:** LARRY STROUT

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: CEN
ARTCC: ZAB
ATC FACILITY: ABQ APP CON
OTHER:

RADIO FIX AND HOLDING DATA RECORD

NAME: PILLA **STATE:** NM **COUNTRY:** US

LATITUDE/LONGITUDE: 344853.57N/1063158.59W **TYPE:** WP

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

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

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	RNAV (RNP) Z RWY 21			KABQ	ALBUQUERQUE	NM (US)
IAP	RNAV (RNP) Z RWY 26			KABQ	ALBUQUERQUE	NM (US)
STAR	LZZRD (RNAV)			KABQ	ALBUQUERQUE	NM (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1 **DATE OF REVISION:** 11/15/2012

REASON FOR REVISION:
ADDED CONTROLLER AND EN ROUTE LOW TO REQUIRED CHARTING.

DEVELOPED BY: **DATE:** 07/20/2012 **OFFICE:** AJV-353 **NAME:** JILL OLSON (STEPHEN PETERSON)

APPROVED BY: **DATE:** **OFFICE:** AJV-353 **NAME:** LARRY STROUT

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: CEN
ARTCC: ZAB
ATC FACILITY: ABQ APP CON/ABQ TOWER
OTHER:

RADIO FIX AND HOLDING DATA RECORD

NAME: SOPPA **STATE:** NM **COUNTRY:** US

LATITUDE/LONGITUDE: 344050.48N/1063416.42W **TYPE:** WP

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

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	LZZRD (RNAV)			KABQ	ALBUQUERQUE	NM (US)

REQUIRED CHARTING: STAR, CONTROLLER, EN ROUTE LOW

COMPULSORY REPORTING POINT: NO

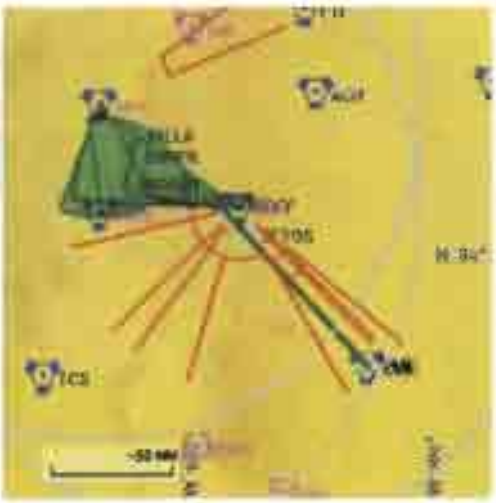
RECORD REVISION NUMBER: ORIG **DATE OF REVISION:** 11/15/2012

DEVELOPED BY: **DATE:** 06/29/2012 **OFFICE:** AJV-353 **NAME:** JILL OLSON (STEPHEN PETERSON)

APPROVED BY: **DATE:** **OFFICE:** AJV-353 **NAME:** LARRY STROUT

SIGNATURE:

DISTRIBUTION: **NFDC**
FPO: CEN
ARTCC: ZAB
ATC FACILITY: ABQ APP CON
OTHER:



Name:	enanders
Project Name:	
Output File:	LZZRD STAR CME PILLA 20120420_0750
Procedure Name:	LZZRD
Software:	RNAV-Pro™
Version:	2.36
Date/Time:	4/20/2012 7:50:48 AM
Input File:	KABQ LZZRD STAR CME PILLA 20120420_0743.txt
Databases:	AVNIS Date: 02/07/2012
	Obstacle Date: 08/26/2011
	NFD Date: 09/30/2010
	DTED® (MAX) Date: 2002

Results Summary:

Flyability	✔
DME/DME	✔
Radars	✔
Comms	?
TERPS	?

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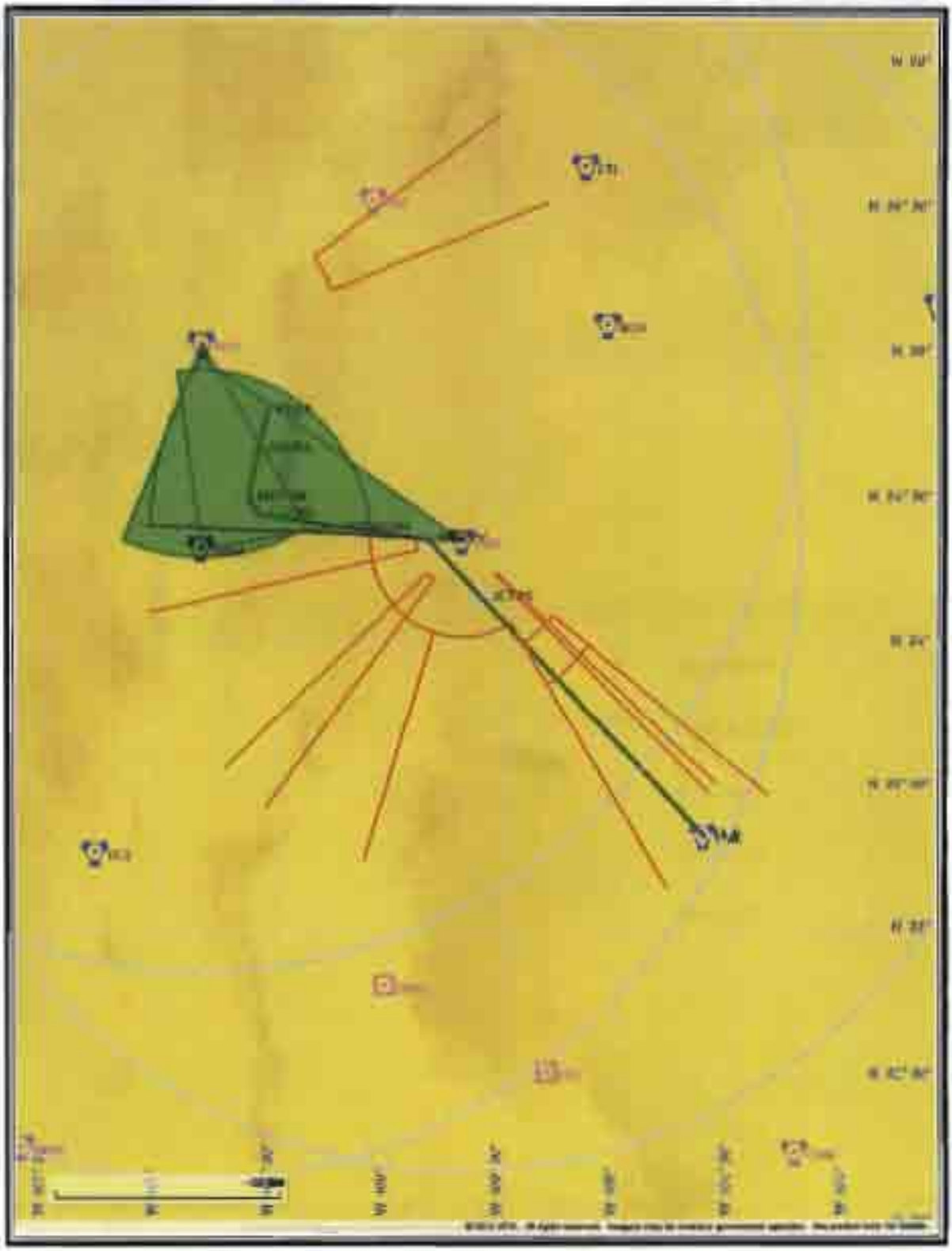


Flight Plan

Return To Summary

Name	Type	Lat/Lon	Alt [Ft]	VNAV Mode	IAS [Kts]	Turn Type	Leg Type
CME	WP	N 33° 20' 14.92" W 104° 37' 16.48"	24000.0	Step	280.0	Fly By	TF
JETOS	WP	N 34° 10' 5.21" W 105° 35' 38.10"	24000.0	Step	280.0	Fly By	TF
BOBYY	WP	N 34° 22' 7.06" W 105° 49' 29.58"	20000.0	Step	240.0	Fly By	TF
HAKOR	WP	N 34° 24' 26.74" W 106° 9' 0.26"	12300.0	Step	210.0	Fly By	TF
LZZRD	WP	N 34° 27' 17.05" W 106° 33' 52.07"	11000.0	Step	250.0	Fly By	TF
MKYON	WP	N 34° 30' 44.94" W 106° 37' 8.61"	11000.0	Step	210.0	Fly By	TF
SOPPA	WP	N 34° 40' 50.48" W 106° 34' 16.42"	11000.0	Step	210.0	Fly By	TF
PILLA	WP	N 34° 48' 53.57" W 106° 31' 58.59"	10000.0	Step	210.0	Fly Over	TF

Flyability

Return To Summary

Settings:

Flight Type: Arrival
Aircraft Category: Cat D
Climb Gradient: *None assigned*
Ground Speeds:

Table

200.0 Kts up to **11000.0 Ft.**
240.0 Kts up to **18000.0 Ft.**
260.0 Kts up to **24000.0 Ft.**
340.0 Kts up to **99900.0 Ft.**

Wind Settings: *None assigned*
Descent During a Turn: Allowed
VNAV Mode: Flight Plan

Entire track is fly-able

DME/DME

Return To Summary

Settings:

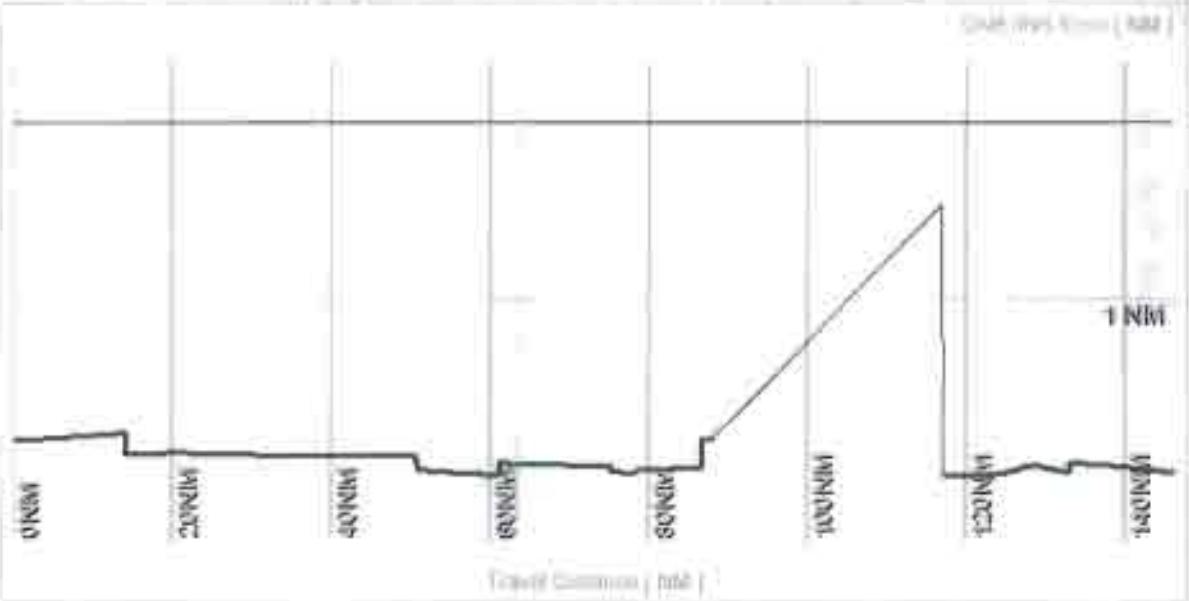
RNP: 2.0
Flight Mode: Manual
Line of Sight (DTED Level 0 Max): Evaluated
DME Restrictions: Evaluated
Inertial Drift: Enabled
Initial Drift: 0.558 NM
INS Drift Rate: 8.000 NM/Hour
Range Mode: OSV
Co-Frequencies: Evaluated
RNP Edges: Evaluated
Min DME Range: 3.0 NM
Allowed Gap Length: 4.0 NM
DME Types: VOR/DME , VORTAC , TACAN , and User
DME Include Angles: 30 to 150
Critical DMEs: Allowed
DoD Facilities: Not included
Foreign Facilities: Not included
Low & Terminal DMEs: Included
Flight Check DMEs: Selected
Higher Altitudes: Evaluated
Near Maximum Altitude: Evaluated

Total Number of DMEs Used: 9

Maximum DME Error: 1.390 NM.

No Critical DMEs were found.

Available DMEs: CNX, ACH, ELP, INK, TCC, TXO, CME, TCS, ONM, ABQ, FTI



DME/DME (Continued.)

Return To Summary

DMEs Used

#	Name	Lat/Lon/MAGVAR	Range	Source	Critical	Err. [NM]	Status	Time	Distance
1	INK	N 31° 52' 29.15" W 103° 14' 37.60" E 11	H	Database	NO	1.390	Enabled	7.9 %	9.5 %
2	TXO	N 34° 29' 42.46" W 102° 50' 22.79" E 11	H	Database	NO	1.390	Enabled	12.5 %	15.1 %
3	CNX	N 34° 22' 1.26" W 105° 40' 40.82" E 13	H + ESV	User	NO	1.390	Enabled	9.1 %	9.4 %
4	CME	N 33° 20' 14.92" W 104° 37' 16.48" E 12	H	Database	NO	1.395	Enabled	23.1 %	26.0 %
5	TCC	N 35° 10' 55.70" W 103° 35' 54.67" E 12	H	Database	NO	1.390	Enabled	16.1 %	19.5 %
6	ONM	N 34° 20' 20.04" W 106° 49' 13.69" E 13	H + ESV	User	NO	1.530	Enabled	38.8 %	36.6 %
7	ACH	N 35° 6' 42.19" W 105° 2' 23.79" E 12	H	Database	NO	1.390	Enabled	14.4 %	15.0 %
8	FTI	N 35° 39' 27.26" W 105° 8' 8.12" E 13	H	Database	NO	1.390	Enabled	8.6 %	9.6 %
9	ABQ	N 35° 2' 37.66" W 106° 48' 58.72" E 13	H + ESV	User	NO	1.619	Enabled	23.4 %	19.2 %

Flight Check DME Selection

Distance [NM]	Selected DMEs					Alternate
0.0	CNX	TXO	INK	ACH	TCC	ELP
20.0	CNX	TXO	CME	ACH	TCC	
40.4	CNX	ONM	CME	ACH	TCC	TCS
59.2	CNX	ONM	CME	ACH	FTI	ABQ
69.4	ABQ	ONM	CME	ACH	FTI	CNX
85.2	CNX	ONM	CME	ACH		
102.4	ABQ	ONM				
122.2	ABQ	ONM	CNX			
126.4	ABQ	ONM	CNX			
137.8	ABQ	ONM				

DME/DME (Continued.)

Return To Summary

Inertial Drift Segments

#	Start Location	End Location	Length [NM]
1	N 34° 22' 21.32" W 105° 51' 25.91"	N 34° 26' 25.70" W 106° 26' 16.90"	29.1
	VOR: CNX	Available from N 34° 22' 21.32" W 105° 51' 25.91" to N 34° 26' 25.70" W 106° 26' 16.90"	
	VOR: ONM	Available from N 34° 23' 30.41" W 106° 1' 3.93" to N 34° 26' 25.70" W 106° 26' 16.90"	

User DMEs

#	Name	Lat/Lon/MAGVAR	Range	Elevation [Ft]	Frequency	Replaces:	Status
1	ONM	N 34° 20' 20.04" W 106° 49' 13.69" E 13	H	4910.0	116.80	ONM	Used
		ESV: Bearing [True]: 352.0° to 81.0° Bearing [Mag]: 339.0° to 68.0°			Arc Distance: Out to 37.0 NM Altitude: 8000.0 to 20000.0 Ft.		
2	ABQ	N 35° 2' 37.66" W 106° 48' 58.72" E 13	H	5748.5	113.20	ABQ	Used
		Restriction: Bearing [True]: 53.0° to 68.0° Bearing [Mag]: 40.0° to 55.0°			Distance: Beyond 30.0 NM Altitude: Below 15000.0 Ft.		
		ESV: Bearing [True]: 149.0° to 203.0° Bearing [Mag]: 136.0° to 190.0°			Arc Distance: Out to 44.0 NM Altitude: 8000.0 to 20000.0 Ft.		

DME/DME (Continued.)

Return To Summary

User DMEs (Continued.)

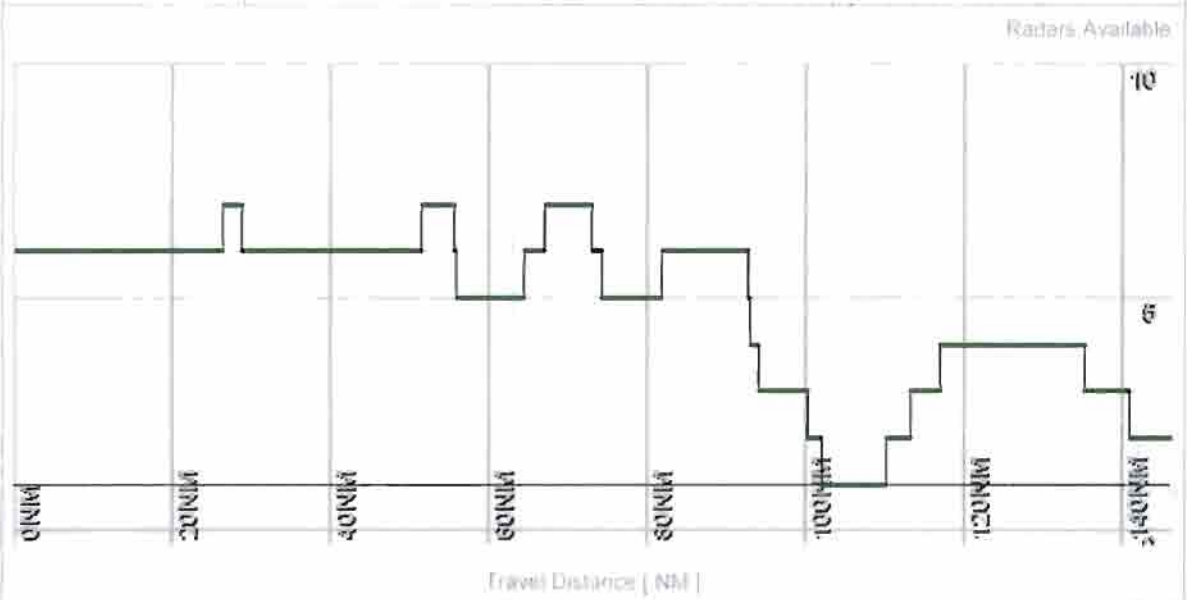
#	Name	Lat/Lon/MAGVAR	Range	Elevation [Ft]	Frequency	Replaces:	Status
3	CNX	N 34° 22' 1.26" W 105° 40' 40.82" E 13	H	6412.0	115.50	CNX	Used

Restriction:	Bearing [True]: 128.0° to 132.0° Bearing [Mag]: 115.0° to 119.0°	Distance: Beyond 25.0 NM Altitude: Below 10000.0 Ft.
Restriction:	Bearing [True]: 128.0° to 148.0° Bearing [Mag]: 115.0° to 135.0°	Distance: Beyond 35.0 NM Altitude: Below 10000.0 Ft.
Restriction:	Bearing [True]: 132.0° to 134.0° Bearing [Mag]: 119.0° to 121.0°	Distance: Beyond 10.0 NM Altitude: Below 11800.0 Ft.
Restriction:	Bearing [True]: 134.0° to 148.0° Bearing [Mag]: 121.0° to 135.0°	Distance: Beyond 25.0 NM Altitude: Below 10000.0 Ft.
Restriction:	Bearing [True]: 148.0° to 198.0° Bearing [Mag]: 135.0° to 185.0°	Distance: Beyond 20.0 NM Altitude: Below 12000.0 Ft.
Restriction:	Bearing [True]: 198.0° to 218.0° Bearing [Mag]: 185.0° to 205.0°	Distance: Beyond 20.0 NM Altitude: Below 13000.0 Ft.
Restriction:	Bearing [True]: 218.0° to 228.0° Bearing [Mag]: 205.0° to 215.0°	Distance: Beyond 10.0 NM Altitude: Below 11800.0 Ft.
Restriction:	Bearing [True]: 218.0° to 273.0° Bearing [Mag]: 205.0° to 260.0°	Distance: Beyond 20.0 NM Altitude: Below 14000.0 Ft.
Restriction:	Bearing [True]: 228.0° to 258.0° Bearing [Mag]: 215.0° to 245.0°	Distance: Beyond 20.0 NM Altitude: Below 14000.0 Ft.
Restriction:	Bearing [True]: 258.0° to 273.0° Bearing [Mag]: 245.0° to 260.0°	Distance: Beyond 10.0 NM Altitude: Below 11800.0 Ft.
ESV:	Bearing [True]: 273.0° to 304.0° Bearing [Mag]: 260.0° to 291.0°	Arc Distance: Out to 68.0 NM Altitude: 8000.0 to 20000.0 Ft.

Radar Analysis

Return To Summary

Settings: **Radar Types:** ARSR and ASR



Name:	enanders
Project Name:	
Output File:	LZZRD STAR CME PILLA 20120420_0758
Procedure Name:	LZZRD
Software:	RNAV-Pro™
Version:	2.36
Date/Time:	4/20/2012 7:58:49 AM
Input File:	KABQ LZZRD STAR CME PILLA 20120420_0751.txt
Databases:	AVNIS Date: 02/07/2012
	Obstacle Date: 08/26/2011
	NFD Date: 09/30/2010
	DTED® (MAX) Date: 2002

Results Summary:

Flyability	✔
DME/DME	✔
Radars	✔
Comms	?
TERPS	?

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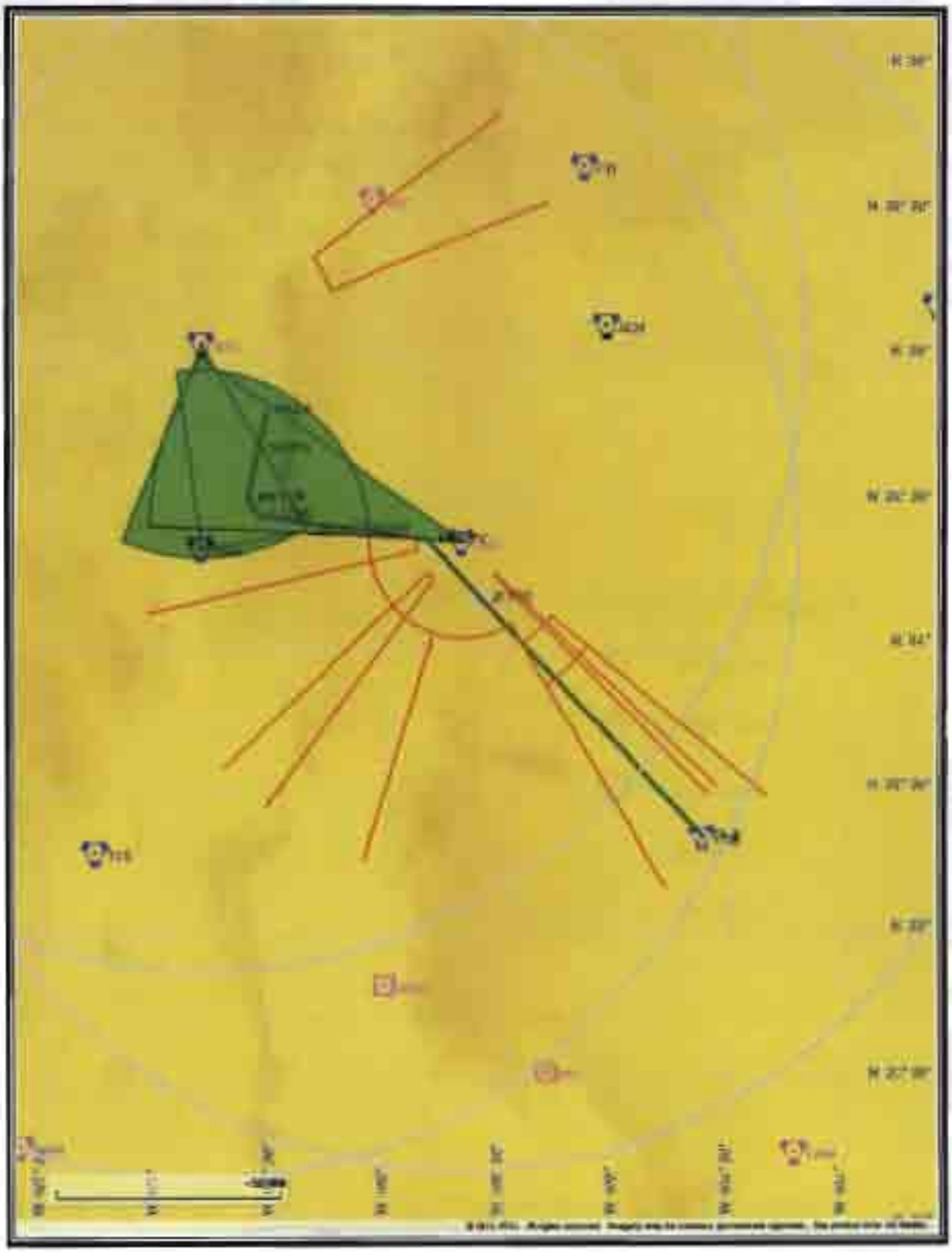


Flight Plan

Return To Summary

Name	Type	Lat/Lon	Alt [Ft]	VNAV Mode	IAS [Kts]	Turn Type	Leg Type
CME	WP	N 33° 20' 14.92" W 104° 37' 16.48"	24000.0	Step	280.0	Fly By	TF
JETOS	WP	N 34° 10' 5.21" W 105° 35' 38.10"	24000.0	Step	280.0	Fly By	TF
BOBYY	WP	N 34° 22' 7.06" W 105° 49' 29.58"	20000.0	Step	240.0	Fly By	TF
HAKOR	WP	N 34° 24' 26.74" W 106° 9' 0.26"	12300.0	Step	210.0	Fly By	TF
LZZRD	WP	N 34° 27' 17.05" W 106° 33' 52.07"	11000.0	Step	250.0	Fly By	TF
MKYON	WP	N 34° 30' 44.94" W 106° 37' 8.61"	11000.0	Step	210.0	Fly By	TF
SOPPA	WP	N 34° 40' 50.48" W 106° 34' 16.42"	11000.0	Step	210.0	Fly By	TF
PILLA	WP	N 34° 48' 53.57" W 106° 31' 58.59"	10000.0	Step	210.0	Fly Over	TF

Flyability

Return To Summary

Settings:

Flight Type: Arrival
Aircraft Category: Cat D
Climb Gradient: *None assigned*
Ground Speeds:

Table

200.0 Kts up to **11000.0 Ft.**
240.0 Kts up to **18000.0 Ft.**
260.0 Kts up to **24000.0 Ft.**
340.0 Kts up to **99900.0 Ft.**

Wind Settings: *None assigned*
Descent During a Turn: Allowed
VNAV Mode: Flight Plan

Entire track is fly-able

DME/DME

Return To Summary

Settings:

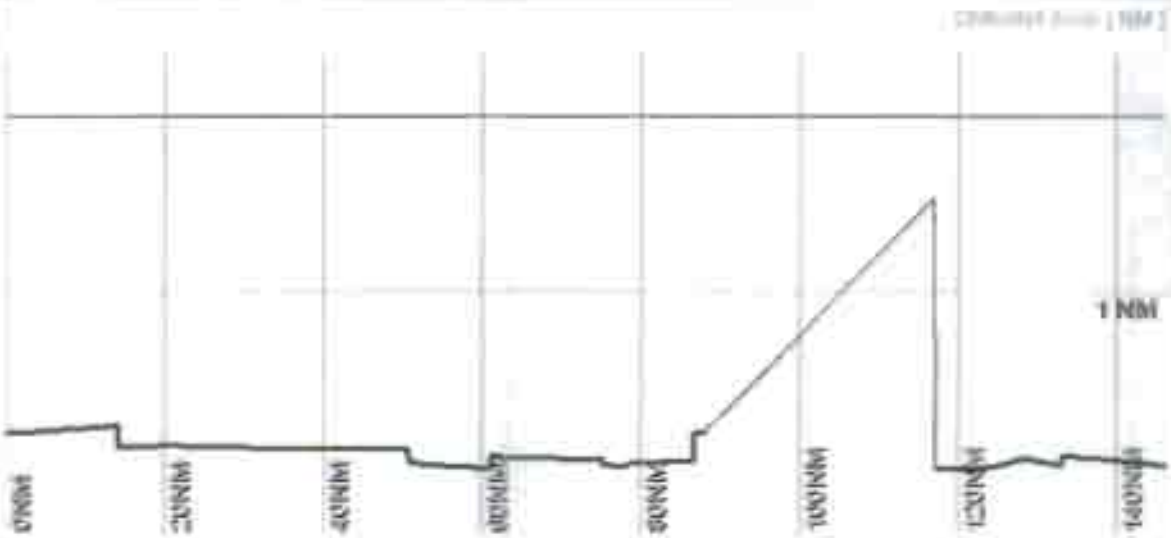
RNP: 2.0
Flight Mode: Manual
Line of Sight (DTED Level 0 Max): Evaluated
DME Restrictions: Evaluated
Inertial Drift: Enabled
Initial Drift: 0.558 NM
INS Drift Rate: 8.000 NM/Hour
Range Mode: OSV
Co-Frequencies: Evaluated
RNP Edges: Evaluated
Min DME Range: 3.0 NM
Allowed Gap Length: 4.0 NM
DME Types: VOR/DME , VORTAC , TACAN , and User
DME Include Angles: 30 to 150
Critical DMEs: Allowed
DoD Facilities: Not included
Foreign Facilities: Not included
Low & Terminal DMEs: Included
Flight Check DMEs: Selected
Higher Altitudes: Evaluated
Near Maximum Altitude: Evaluated

Total Number of DMEs Used: 9

Maximum DME Error: 1.390 NM.

No Critical DMEs were found.

Available DMEs: CNX, ACH, ELP, INK, TCC, TXO, CME, TCS, ONM, ABQ, FTI



DME/DME (Continued.)

Return To Summary

DMEs Used

#	Name	Lat/Lon/MAGVAR	Range	Source	Critical	Err. (NM)	Status	Time	Distance
1	INK	N 31° 52' 29.15" W 103° 14' 37.60" E 11	H	Database	NO	1.390	Enabled	7.9 %	9.5 %
2	TXO	N 34° 29' 42.46" W 102° 50' 22.79" E 11	H	Database	NO	1.390	Enabled	12.5 %	15.1 %
3	CNX	N 34° 22' 1.26" W 106° 40' 40.62" E 13	H + ESV	User	NO	1.390	Enabled	9.1 %	9.4 %
4	CME	N 33° 20' 14.92" W 104° 37' 16.48" E 12	H	Database	NO	1.395	Enabled	23.1 %	26.0 %
5	TCC	N 35° 10' 55.70" W 103° 35' 54.07" E 12	H	Database	NO	1.390	Enabled	16.1 %	19.5 %
6	ONM	N 34° 20' 20.04" W 106° 49' 13.69" E 13	H + ESV	User	NO	1.530	Enabled	36.6 %	36.6 %
7	ACH	N 35° 6' 42.19" W 105° 2' 23.79" E 12	H	Database	NO	1.390	Enabled	14.4 %	15.0 %
8	FTI	N 35° 39' 27.26" W 105° 8' 8.12" E 13	H	Database	NO	1.390	Enabled	8.6 %	9.6 %
9	ABQ	N 35° 2' 37.68" W 106° 46' 58.72" E 13	H + ESV	User	NO	1.619	Enabled	23.4 %	19.2 %

Flight Check DME Selection

Distance [NM]	Selected DMEs					Alternate
0.0	CNX	TXO	INK	ACH	TCC	ELP
20.0	CNX	TXO	CME	ACH	TCC	
40.4	CNX	ONM	CME	ACH	TCC	TCS
59.2	CNX	ONM	CME	ACH	FTI	ABQ
69.4	ABQ	ONM	CME	ACH	FTI	CNX
85.2	CNX	ONM	CME	ACH		
102.4	ABQ	ONM				
122.2	ABQ	ONM	CNX			
126.4	ABQ	ONM	CNX			
137.8	ABQ	ONM				

DME/DME (Continued.)

Return To Summary

Inertial Drift Segments

#	Start Location	End Location	Length [NM]
1	N 34° 22' 21.32" W 105° 51' 25.91"	N 34° 26' 25.70" W 106° 26' 16.90"	29.1
	VOR: CNX	Available from N 34° 22' 21.32" W 105° 51' 25.91" to N 34° 26' 25.70" W 106° 26' 16.90"	
	VOR: ONM	Available from N 34° 23' 30.41" W 106° 1' 3.93" to N 34° 26' 25.70" W 106° 26' 16.90"	

User DMEs

#	Name	Lat/Lon/MAGVAR	Range	Elevation [Ft]	Frequency	Replaces:	Status
1	ONM	N 34° 20' 20.04" W 106° 49' 13.69" E 13	H	4910.0	116.80	ONM	Used
		ESV:	Bearing [True]: 352.0° to 81.0° Bearing [Mag]: 339.0° to 68.0°		Arc Distance: Out to 37.0 NM Altitude: 8000.0 to 20000.0 Ft.		
2	ABQ	N 35° 2' 37.66" W 106° 48' 58.72" E 13	H	5748.5	113.20	ABQ	Used
		Restriction:	Bearing [True]: 53.0° to 68.0° Bearing [Mag]: 40.0° to 55.0°		Distance: Beyond 30.0 NM Altitude: Below 15000.0 Ft.		
		ESV:	Bearing [True]: 149.0° to 203.0° Bearing [Mag]: 136.0° to 190.0°		Arc Distance: Out to 44.0 NM Altitude: 8000.0 to 20000.0 Ft.		

DME/DME (Continued.)

Return To Summary

User DMEs (Continued.)

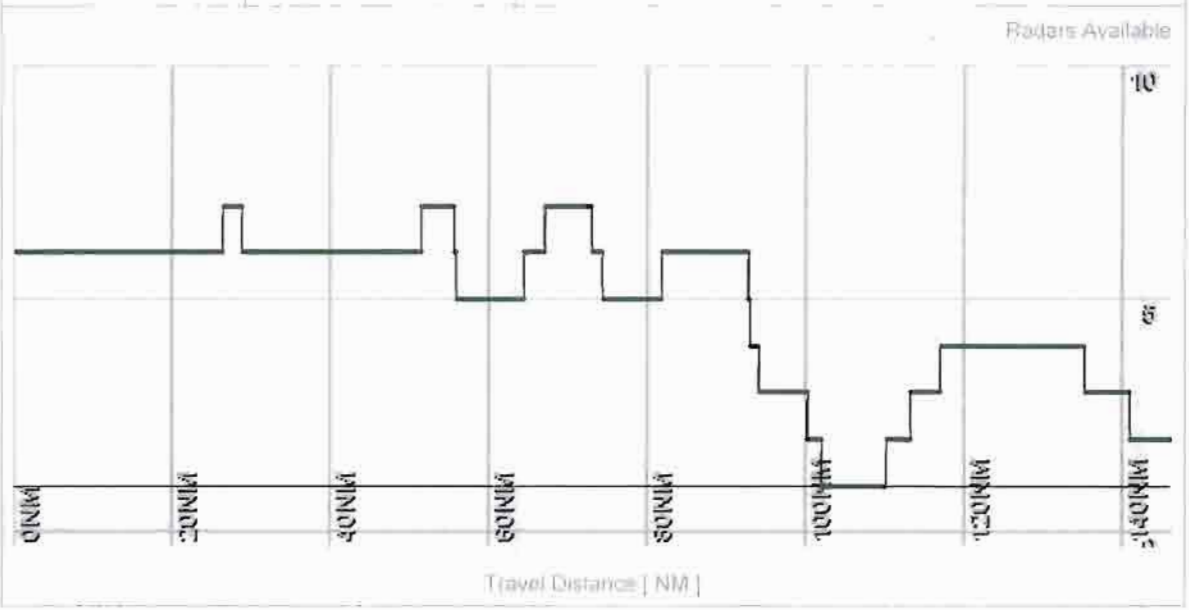
#	Name	Lat/Lon/MAGVAR	Range	Elevation [Ft]	Frequency	Replaces:	Status
3	CNX	N 34° 22' 1.28" W 105° 40' 40.82" E 13	H	6412.0	115.50	CNX	Used

Restriction:	Bearing [True]: 128.0° to 132.0° Bearing [Mag]: 115.0° to 119.0°	Distance: Beyond 25.0 NM Altitude: Below 10000.0 Ft.
Restriction:	Bearing [True]: 128.0° to 148.0° Bearing [Mag]: 115.0° to 135.0°	Distance: Beyond 35.0 NM Altitude: Below 10000.0 Ft.
Restriction:	Bearing [True]: 132.0° to 134.0° Bearing [Mag]: 119.0° to 121.0°	Distance: Beyond 10.0 NM Altitude: Below 11600.0 Ft.
Restriction:	Bearing [True]: 134.0° to 148.0° Bearing [Mag]: 121.0° to 135.0°	Distance: Beyond 25.0 NM Altitude: Below 10000.0 Ft.
Restriction:	Bearing [True]: 148.0° to 198.0° Bearing [Mag]: 135.0° to 185.0°	Distance: Beyond 20.0 NM Altitude: Below 12000.0 Ft.
Restriction:	Bearing [True]: 198.0° to 218.0° Bearing [Mag]: 185.0° to 205.0°	Distance: Beyond 20.0 NM Altitude: Below 13000.0 Ft.
Restriction:	Bearing [True]: 218.0° to 228.0° Bearing [Mag]: 205.0° to 215.0°	Distance: Beyond 10.0 NM Altitude: Below 11800.0 Ft.
Restriction:	Bearing [True]: 218.0° to 273.0° Bearing [Mag]: 205.0° to 260.0°	Distance: Beyond 20.0 NM Altitude: Below 14000.0 Ft.
Restriction:	Bearing [True]: 228.0° to 258.0° Bearing [Mag]: 215.0° to 245.0°	Distance: Beyond 20.0 NM Altitude: Below 14000.0 Ft.
Restriction:	Bearing [True]: 258.0° to 273.0° Bearing [Mag]: 245.0° to 260.0°	Distance: Beyond 10.0 NM Altitude: Below 11800.0 Ft.
ESV:	Bearing [True]: 273.0° to 304.0° Bearing [Mag]: 260.0° to 291.0°	Arc Distance: Out to 68.0 NM Altitude: 8000.0 to 20000.0 Ft.

Radar Analysis

Return To Summary

Settings: **Radar Types:** ARSR and ASR



Name:	enanders
Project Name:	
Output File:	LZZRD STAR CME COMRO 20120420_0741
Procedure Name:	LZZRD
Software:	RNAV-Pro™
Version:	2.36
Date/Time:	4/20/2012 7:41:09 AM
Input File:	KABQ LZZRD STAR CME COMRO 20120420_0733.txt
Databases:	AVNIS Date: 02/07/2012 Obstacle Date: 08/26/2011 NFD Date: 09/30/2010 DTED® (MAX) Date: 2002

Results Summary:

Flyability	✔ **Please Check Flyability Results**
DME/DME	✔
Radars	✔
Comms	?
TERPS	?

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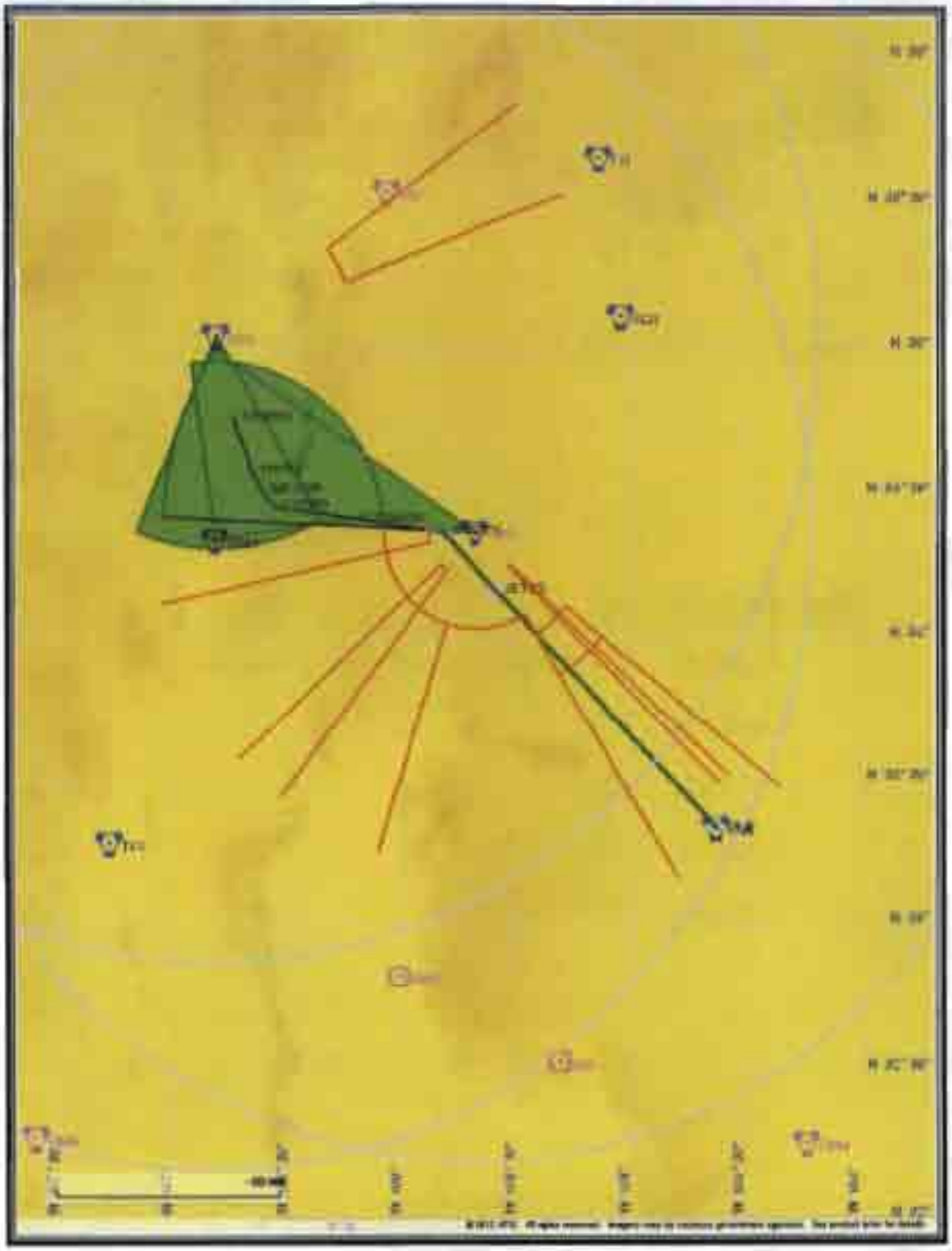


Flight Plan

Return To Summary

Name	Type	Lat/Lon	Alt [Ft]	VNAV Mode	IAS [Kts]	Turn Type	Leg Type
CME	WP	N 33° 20' 14.92" W 104° 37' 16.48"	24000.0	Step	280.0	Fly By	TF
JETOS	WP	N 34° 10' 5.21" W 105° 35' 38.10"	24000.0	Step	280.0	Fly By	TF
BOBYY	WP	N 34° 22' 7.06" W 105° 49' 29.58"	20000.0	Step	240.0	Fly By	TF
HAKOR	WP	N 34° 24' 26.74" W 106° 9' 0.26"	12300.0	Step	210.0	Fly By	TF
LZZRD	WP	N 34° 27' 17.05" W 106° 33' 52.07"	11000.0	Step	250.0	Fly By	TF
MKYON	WP	N 34° 30' 44.94" W 106° 37' 8.61"	11000.0	Step	210.0	Fly By	TF
HAPEE	WP	N 34° 34' 40.69" W 106° 39' 35.09"	8200.0	Step	180.0	Fly By	TF
COMRO	WP	N 34° 45' 35.52" W 106° 44' 44.58"	8200.0	Step	210.0	Fly Over	TF

Flyability

Return To Summary

Settings:

Flight Type: Arrival
Aircraft Category: Cat D
Climb Gradient: *None assigned*
Ground Speeds:

Table:

200.0 Kts up to **11000.0 Ft.**
240.0 Kts up to **18000.0 Ft.**
260.0 Kts up to **24000.0 Ft.**
340.0 Kts up to **99900.0 Ft.**

Wind Settings: *None assigned*
Descent During a Turn: Allowed
VNAV Mode: Flight Plan

Aircraft ALTITUDE at Fly-By WP HAPEE too high

DME/DME

Return To Summary

Settings:

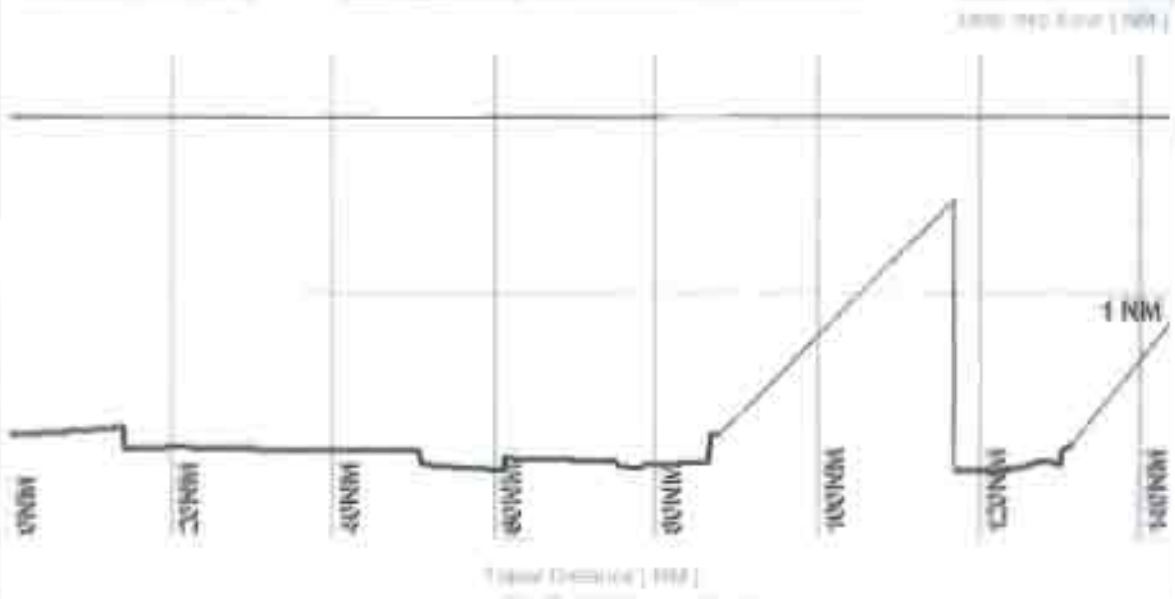
RNP: 2.0
Flight Mode: Manual
Line of Sight (DTED Level 0 Max): Evaluated
DME Restrictions: Evaluated
Inertial Drift: Enabled
Initial Drift: 0.558 NM
INS Drift Rate: 8.000 NM/Hour
Range Mode: OSV
Co-Frequencies: Evaluated
RNP Edges: Evaluated
Min DME Range: 3.0 NM
Allowed Gap Length: 4.0 NM
DME Types: VOR/DME , VORTAC , TACAN , and User
DME Include Angles: 30 to 150
Critical DMEs: Allowed
DoD Facilities: Not included
Foreign Facilities: Not included
Low & Terminal DMEs: Included
Flight Check DMEs: Selected
Higher Altitudes: Evaluated
Near Maximum Altitude: Evaluated

Total Number of DMEs Used: 9

Maximum DME Error: 1.390 NM

No Critical DMEs were found

Available DMEs: CNX, ACH, ELP, INK, TCC, TXO, CME, TCS, ONM, ABQ, FTI



DME/DME (Continued.)

Return To Summary

DMEs Used

#	Name	Lat/Lon/MAGVAR	Range	Source	Critical	Err. [NM]	Status	Time	Distance
1	INK	N 31° 52' 29.15" W 103° 14' 37.60" E 11	H	Database	NO	1.390	Enabled	7.9 %	9.7 %
2	TXO	N 34° 29' 42.46" W 102° 50' 22.79" E 11	H	Database	NO	1.390	Enabled	12.5 %	15.3 %
3	CNX	N 34° 22' 1.26" W 105° 40' 40.82" E 13	H + ESV	User	NO	1.390	Enabled	7.3 %	7.7 %
4	CME	N 33° 20' 14.92" W 104° 37' 16.48" E 12	H	Database	NO	1.395	Enabled	23.2 %	26.5 %
5	TCC	N 35° 10' 55.70" W 103° 35' 54.57" E 12	H	Database	NO	1.390	Enabled	16.2 %	19.9 %
6	ONM	N 34° 20' 20.04" W 106° 49' 13.89" E 13	H + ESV	User	NO	1.530	Enabled	25.2 %	26.8 %
7	ACH	N 35° 8' 42.19" W 105° 2' 23.79" E 12	H	Database	NO	1.390	Enabled	14.5 %	15.3 %
8	FTI	N 35° 39' 27.26" W 105° 8' 8.12" E 13	H	Database	NO	1.390	Enabled	8.6 %	9.7 %
9	ABQ	N 35° 2' 37.68" W 106° 48' 58.72" E 13	H + ESV	User	NO	1.619	Enabled	13.2 %	11.3 %

Flight Check DME Selection

Distance [NM]	Selected DMEs					Alternate
0.0	CNX	TXO	INK	ACH	TCC	ELP
20.0	CNX	TXO	CME	ACH	TCC	
40.4	CNX	ONM	CME	ACH	TCC	TCS
59.2	CNX	ONM	CME	ACH	FTI	ABQ
69.4	ABQ	ONM	CME	ACH	FTI	CNX
85.2	CNX	ONM	CME	ACH		
102.4	ABQ	ONM				
122.2	ABQ	ONM	CNX			
127.0	ABQ	ONM	CNX			
131.7	ABQ	ONM				

DME/DME (Continued.)

Return To Summary

Inertial Drift Segments

#	Start Location	End Location	Length [NM]
1	N 34° 22' 21.32" W 105° 51' 25.91"	N 34° 26' 25.70" W 106° 26' 16.90"	29.1
	VOR: CNX	Available from N 34° 22' 21.32" W 105° 51' 25.91" to N 34° 26' 25.70" W 106° 26' 16.90"	
	VOR: ONM	Available from N 34° 23' 30.41" W 106° 1' 3.93" to N 34° 26' 25.70" W 106° 26' 16.90"	
2	N 34° 34' 7.46" W 106° 39' 14.50"	N 34° 45' 33.27" W 106° 44' 43.53"	12.3
	VOR: ABQ	Available from N 34° 34' 7.46" W 106° 39' 14.50" to N 34° 45' 33.27" W 106° 44' 43.53"	
	VOR: ONM	Available from N 34° 34' 7.46" W 106° 39' 14.50" to N 34° 45' 33.27" W 106° 44' 43.53"	

User DMEs

#	Name	Lat/Lon/MAGVAR	Range	Elevation [Ft]	Frequency	Replaces:	Status
1	ONM	N 34° 20' 20.04" W 106° 49' 13.69" E 13	H	4910.0	116.80	ONM	Used
		ESV:	Bearing [True]: 352.0° to 81.0° Bearing [Mag]: 339.0° to 68.0°		Arc Distance: Out to 37.0 NM Altitude: 8000.0 to 20000.0 Ft.		
2	ABQ	N 35° 2' 37.66" W 106° 48' 58.72" E 13	H	5748.5	113.20	ABQ	Used
		Restriction:	Bearing [True]: 53.0° to 68.0° Bearing [Mag]: 40.0° to 55.0°		Distance: Beyond 30.0 NM Altitude: Below 15000.0 Ft.		
		ESV:	Bearing [True]: 149.0° to 203.0° Bearing [Mag]: 136.0° to 190.0°		Arc Distance: Out to 44.0 NM Altitude: 8000.0 to 20000.0 Ft.		

DME/DME (Continued.)

Return To Summary

User DMEs (Continued.)

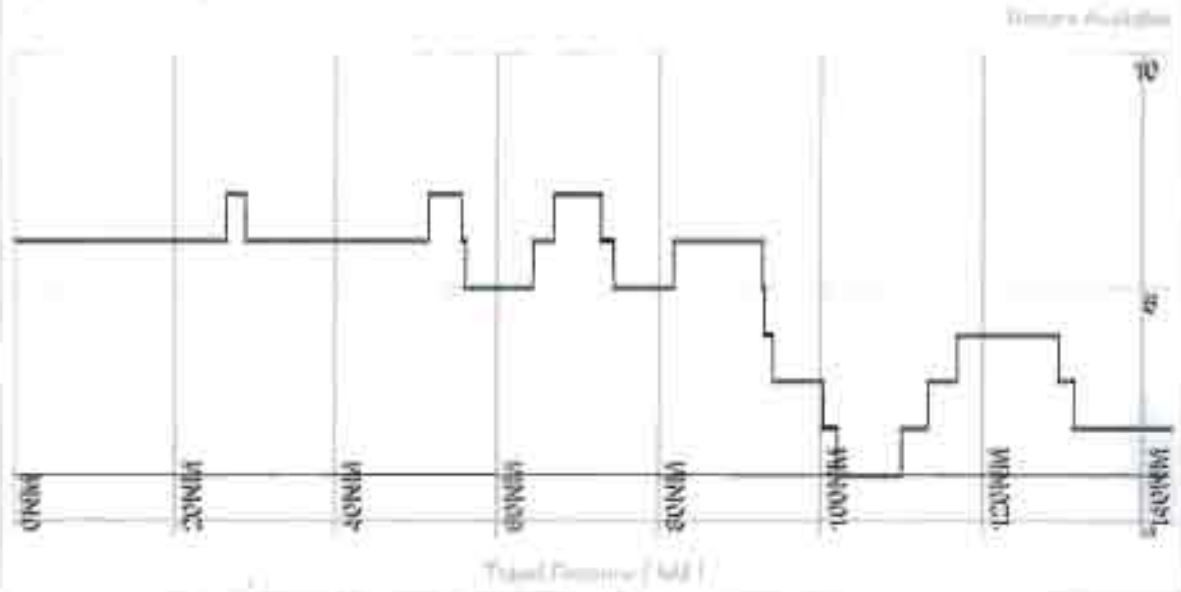
#	Name	Lat/Lon/MAGVAR	Range	Elevation [Ft]	Frequency	Replaces:	Status
3	CNX	N 34° 22' 1.26" W 105° 40' 40.82" E 13	H	8412.0	115.50	CNX	Used

Restriction:	Bearing [True]: 128.0° to 132.0° Bearing [Mag]: 115.0° to 119.0°	Distance: Beyond 25.0 NM Altitude: Below 10000.0 Ft
Restriction:	Bearing [True]: 128.0° to 148.0° Bearing [Mag]: 115.0° to 135.0°	Distance: Beyond 35.0 NM Altitude: Below 10000.0 Ft
Restriction:	Bearing [True]: 132.0° to 134.0° Bearing [Mag]: 119.0° to 121.0°	Distance: Beyond 10.0 NM Altitude: Below 11800.0 Ft
Restriction:	Bearing [True]: 134.0° to 148.0° Bearing [Mag]: 121.0° to 135.0°	Distance: Beyond 25.0 NM Altitude: Below 10000.0 Ft
Restriction:	Bearing [True]: 148.0° to 198.0° Bearing [Mag]: 135.0° to 185.0°	Distance: Beyond 20.0 NM Altitude: Below 12000.0 Ft
Restriction:	Bearing [True]: 198.0° to 218.0° Bearing [Mag]: 185.0° to 205.0°	Distance: Beyond 20.0 NM Altitude: Below 13000.0 Ft
Restriction:	Bearing [True]: 218.0° to 228.0° Bearing [Mag]: 205.0° to 215.0°	Distance: Beyond 10.0 NM Altitude: Below 11800.0 Ft
Restriction:	Bearing [True]: 218.0° to 273.0° Bearing [Mag]: 205.0° to 260.0°	Distance: Beyond 20.0 NM Altitude: Below 14000.0 Ft
Restriction:	Bearing [True]: 228.0° to 258.0° Bearing [Mag]: 215.0° to 245.0°	Distance: Beyond 20.0 NM Altitude: Below 14000.0 Ft
Restriction:	Bearing [True]: 258.0° to 273.0° Bearing [Mag]: 245.0° to 260.0°	Distance: Beyond 10.0 NM Altitude: Below 11800.0 Ft
ESV	Bearing [True]: 273.0° to 304.0° Bearing [Mag]: 260.0° to 291.0°	Arc Distance: Out to 68.0 NM Altitude: 8000.0 to 20000.0 Ft

Radar Analysis

Return To Summary

Settings: **Radar Types:** ARSR and ASR



Name:	enanders
Project Name:	
Output File:	LZZRD STAR CME COMRO 20120419_1502
Procedure Name:	LZZRD
Software:	RNAV-Pro™
Version:	2.36
Date/Time:	4/19/2012 3:02:01 PM
Input File:	KABQ LZZRD STAR CME COMRO 20120419_1449.txt
Databases:	AVNIS Date: 02/07/2012 Obstacle Date: 08/26/2011 NFD Date: 09/30/2010 DTED® (MAX) Date: 2002

Results Summary:

Flyability	✔	**Please Check Flyability Results**
DME/DME	✔	
Radars	✔	
Comms	?	
TERPS	?	

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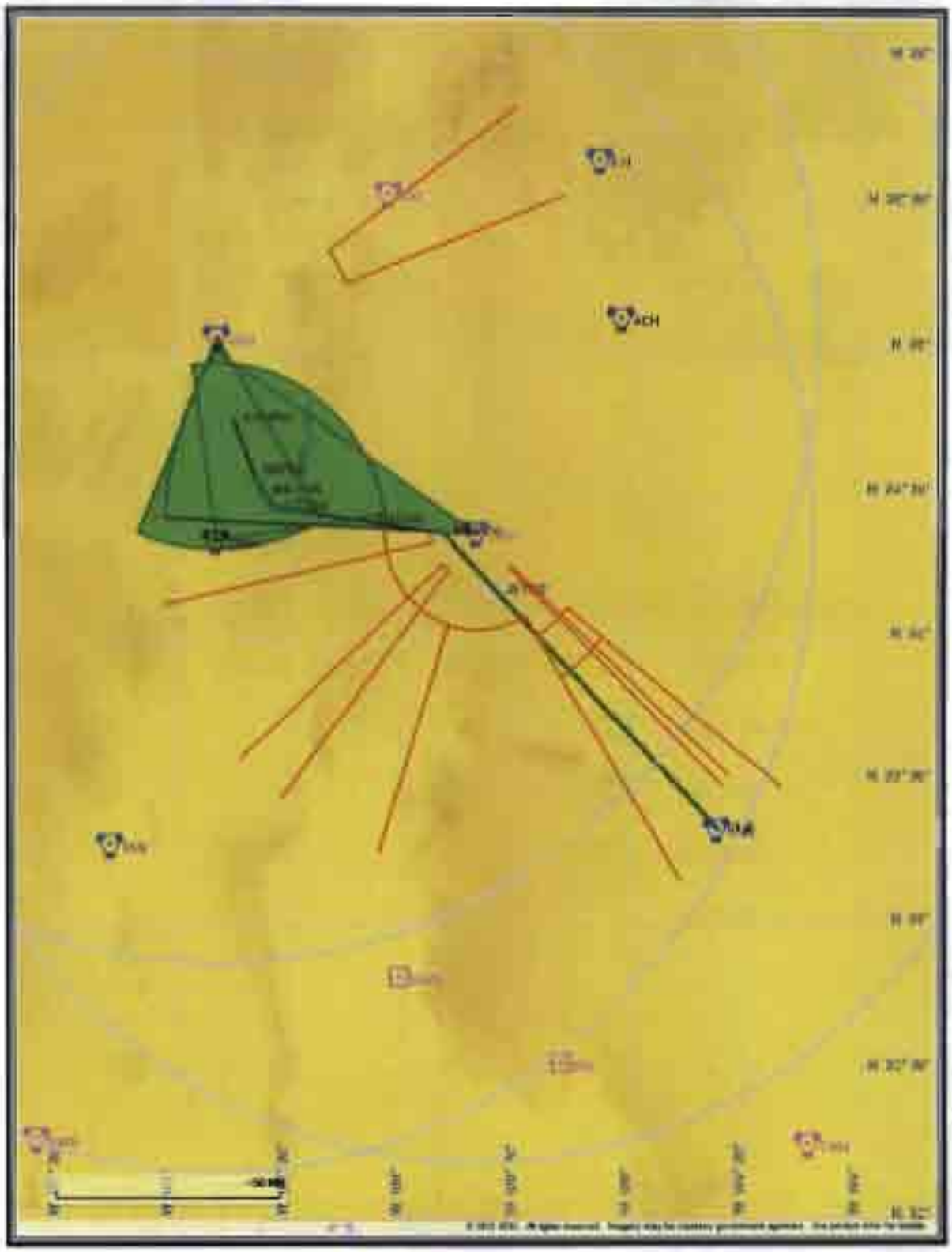


Flight Plan

Return To Summary

Name	Type	Lat/Lon	Alt [Ft]	VNAV Mode	IAS [Kts]	Turn Type	Leg Type
CME	WP	N 33° 20' 14.92" W 104° 37' 16.48"	24000.0	Step	280.0	Fly By	TF
JETOS	WP	N 34° 10' 5.21" W 105° 35' 38.10"	24000.0	Step	280.0	Fly By	TF
BOBYY	WP	N 34° 22' 7.06" W 105° 49' 29.58"	20000.0	Step	240.0	Fly By	TF
HAKOR	WP	N 34° 24' 26.74" W 106° 9' 0.26"	12300.0	Step	210.0	Fly By	TF
LZZRD	WP	N 34° 27' 17.05" W 106° 33' 52.07"	11000.0	Step	250.0	Fly By	TF
MKYON	WP	N 34° 30' 44.94" W 106° 37' 8.61"	11000.0	Step	210.0	Fly By	TF
HAPEE	WP	N 34° 34' 40.69" W 106° 39' 35.09"	8200.0	Step	180.0	Fly By	TF
COMRO	WP	N 34° 45' 35.52" W 106° 44' 44.58"	8200.0	Step	210.0	Fly Over	TF

Flyability

Return To Summary

Settings:

Flight Type: Arrival
Aircraft Category: Cat D
Climb Gradient: *None assigned*
Ground Speeds:

Table:

200.0 Kts up to **11000.0 Ft.**
240.0 Kts up to **18000.0 Ft.**
260.0 Kts up to **24000.0 Ft.**
340.0 Kts up to **99900.0 Ft.**

Wind Settings: *None assigned*
Descent During a Turn: Allowed
VNAV Mode: Flight Plan

Aircraft ALTITUDE at Fly-By WP HAPEE too high

DME/DME

Return To Summary

Settings:

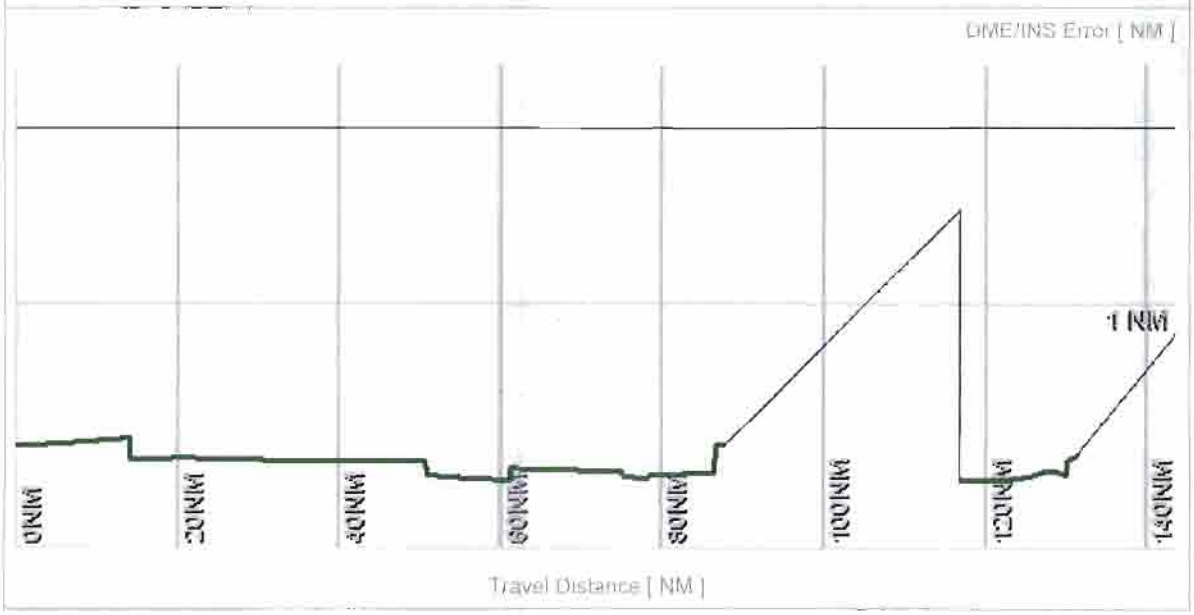
RNP: 2.0
Flight Mode: Manual
Line of Sight (DTED Level 0 Max): Evaluated
DME Restrictions: Evaluated
Inertial Drift: Enabled
Initial Drift: 0.558 NM
INS Drift Rate: 8.000 NM/Hour
Range Mode: OSV
Co-Frequencies: Evaluated
RNP Edges: Evaluated
Min DME Range: 3.0 NM
Allowed Gap Length: 4.0 NM
DME Types: VOR/DME , VORTAC , TACAN , and User
DME Include Angles: 30 to 150
Critical DMEs: Allowed
DoD Facilities: Not included
Foreign Facilities: Not included
Low & Terminal DMEs: Included
Flight Check DMEs: Selected
Higher Altitudes: Evaluated
Near Maximum Altitude: Evaluated

Total Number of DMEs Used: 9

Maximum DME Error: 1.390 NM.

No Critical DMEs were found.

Available DMEs: CNX, ACH, ELP, INK, TCC, TXO, CME, TCS, ONM, ABQ, FTI



DME/DME (Continued.)

Return To Summary

DMEs Used

#	Name	Lat/Lon/MAGVAR	Range	Source	Critical	Err. [NM]	Status	Time	Distance
1	INK	N 31° 52' 29.15" W 103° 14' 37.60" E 11	H	Database	NO	1.390	Enabled	7.9 %	9.7 %
2	TXO	N 34° 29' 42.46" W 102° 50' 22.79" E 11	H	Database	NO	1.390	Enabled	12.5 %	15.3 %
3	CNX	N 34° 22' 1.26" W 105° 40' 40.82" E 13	H + ESV	User	NO	1.390	Enabled	7.3 %	7.7 %
4	CME	N 33° 20' 14.92" W 104° 37' 16.48" E 12	H	Database	NO	1.395	Enabled	23.2 %	26.5 %
5	TCC	N 35° 10' 55.70" W 103° 35' 54.67" E 12	H	Database	NO	1.390	Enabled	16.2 %	19.9 %
6	ONM	N 34° 20' 20.04" W 106° 49' 13.69" E 13	H + ESV	User	NO	1.530	Enabled	26.2 %	26.8 %
7	ACH	N 35° 6' 42.19" W 105° 2' 23.79" E 12	H	Database	NO	1.390	Enabled	14.5 %	15.3 %
8	FTI	N 35° 39' 27.26" W 105° 8' 8.12" E 13	H	Database	NO	1.390	Enabled	8.6 %	9.7 %
9	ABQ	N 35° 2' 37.66" W 106° 48' 58.72" E 13	H + ESV	User	NO	1.619	Enabled	13.2 %	11.3 %

Flight Check DME Selection

Distance [NM]	Selected DMEs					Alternate
0.0	CNX	TXO	INK	ACH	TCC	ELP
20.0	CNX	TXO	CME	ACH	TCC	
40.4	CNX	ONM	CME	ACH	TCC	TCS
59.2	CNX	ONM	CME	ACH	FTI	ABQ
69.4	ABQ	ONM	CME	ACH	FTI	CNX
85.2	CNX	ONM	CME	ACH		
102.4	ABQ	ONM				
122.2	ABQ	ONM	CNX			
127.0	ABQ	ONM	CNX			
131.7	ABQ	ONM				

DME/DME (Continued.)

Return To Summary

Inertial Drift Segments

#	Start Location	End Location	Length [NM]
1	N 34° 22' 21.32" W 105° 51' 25.91"	N 34° 26' 25.70" W 106° 26' 16.90"	29.1
	VOR: CNX	Available from N 34° 22' 21.32" W 105° 51' 25.91" to N 34° 26' 25.70" W 106° 26' 16.90"	
	VOR: ONM	Available from N 34° 23' 30.41" W 106° 1' 3.93" to N 34° 26' 25.70" W 106° 26' 16.90"	
2	N 34° 34' 7.46" W 106° 39' 14.50"	N 34° 45' 33.27" W 106° 44' 43.53"	12.3
	VOR: ABQ	Available from N 34° 34' 7.46" W 106° 39' 14.50" to N 34° 45' 33.27" W 106° 44' 43.53"	
	VOR: ONM	Available from N 34° 34' 7.46" W 106° 39' 14.50" to N 34° 45' 33.27" W 106° 44' 43.53"	

User DMEs

#	Name	Lat/Lon/MAGVAR	Range	Elevation [Ft]	Frequency	Replaces:	Status
1	ONM	N 34° 20' 20.04" W 106° 49' 13.69" E 13	H	4910.0	116.80	ONM	Used
		ESV: Bearing [True]: 352.0° to 81.0° Bearing [Mag]: 339.0° to 68.0°			Arc Distance: Out to 37.0 NM Altitude: 8000.0 to 20000.0 Ft		
2	ABQ	N 35° 2' 37.66" W 106° 48' 58.72" E 13	H	5748.5	113.20	ABQ	Used
		Restriction: Bearing [True]: 53.0° to 68.0° Bearing [Mag]: 40.0° to 55.0°			Distance: Beyond 30.0 NM Altitude: Below 15000.0 Ft		
		ESV: Bearing [True]: 149.0° to 203.0° Bearing [Mag]: 136.0° to 190.0°			Arc Distance: Out to 44.0 NM Altitude: 8000.0 to 20000.0 Ft		

DME/DME (Continued.)

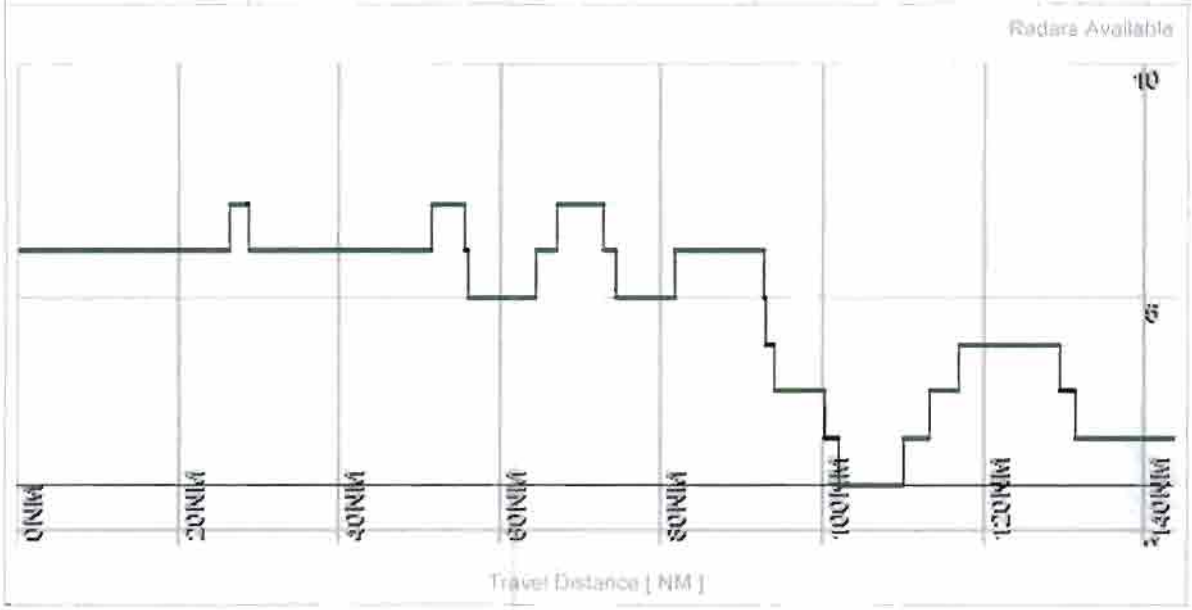
Return To Summary

User DMEs (Continued.)

#	Name	Lat/Lon/MAGVAR	Range	Elevation (Ft)	Frequency	Replaces:	Status
3	CNX	N 34° 22' 1.26" W 105° 40' 40.82" E 13	H	6412.0	115.50	CNX	Used

Restriction:	Bearing [True]: 128.0° to 132.0° Bearing [Mag]: 115.0° to 119.0°	Distance: Beyond 25.0 NM Altitude: Below 10000.0 Ft
Restriction:	Bearing [True]: 128.0° to 148.0° Bearing [Mag]: 115.0° to 135.0°	Distance: Beyond 35.0 NM Altitude: Below 10000.0 Ft
Restriction:	Bearing [True]: 132.0° to 134.0° Bearing [Mag]: 119.0° to 121.0°	Distance: Beyond 10.0 NM Altitude: Below 11800.0 Ft
Restriction:	Bearing [True]: 134.0° to 148.0° Bearing [Mag]: 121.0° to 135.0°	Distance: Beyond 25.0 NM Altitude: Below 10000.0 Ft
Restriction:	Bearing [True]: 148.0° to 198.0° Bearing [Mag]: 135.0° to 185.0°	Distance: Beyond 20.0 NM Altitude: Below 12000.0 Ft
Restriction:	Bearing [True]: 198.0° to 218.0° Bearing [Mag]: 185.0° to 205.0°	Distance: Beyond 20.0 NM Altitude: Below 13000.0 Ft
Restriction:	Bearing [True]: 218.0° to 228.0° Bearing [Mag]: 205.0° to 215.0°	Distance: Beyond 10.0 NM Altitude: Below 11800.0 Ft
Restriction:	Bearing [True]: 218.0° to 273.0° Bearing [Mag]: 205.0° to 260.0°	Distance: Beyond 20.0 NM Altitude: Below 14000.0 Ft
Restriction:	Bearing [True]: 228.0° to 258.0° Bearing [Mag]: 215.0° to 245.0°	Distance: Beyond 20.0 NM Altitude: Below 14000.0 Ft
Restriction:	Bearing [True]: 258.0° to 273.0° Bearing [Mag]: 245.0° to 260.0°	Distance: Beyond 10.0 NM Altitude: Below 11800.0 Ft
ESV:	Bearing [True]: 273.0° to 304.0° Bearing [Mag]: 260.0° to 291.0°	Arc Distance: Out to 68.0 NM Altitude: 8000.0 to 20000.0 Ft

Radar Analysis

Return To Summary

Settings: **Radar Types:** ARSR and ASR