

US DEPARTMENT of TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION  
**STANDARD TERMINAL ARRIVAL (STAR)**

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Distances are in nautical miles (NM). Graphic depiction attached.

Arrival Name	Number	STAR Computer Code	Superseded Number	Dated	Effective Date
<b>DAMEN (RNAV)</b>	<b>THREE</b>	<b>SACKO.DAMEN3</b>	<b>TWO</b>	<b>18 SEP 2014</b>	

TRANSITION ROUTES:

Transition Name	Transition Computer Codes	From FIX/NAVAID	To FIX/NAVAID	Mag Course	Distance	MEA	MOCA	MAA	Crossing Altitudes / Fixes
ALENN	ALENN.DAMEN3	ALENN	ALENN						
			SACKO	070.90	47.99	10000	2500		
DAAVE	DAAVE.DAMEN3	DAAVE	DAAVE						
			ZARDA	096.03	40.00	FL180	2100		
			PENTO	096.55	43.45	10000	2100		
			SACKO	101.95	26.99	10000	2100		
JAYVO	JAYVO.DAMEN3	JAYVO	JAYVO						
			REDLG	164.34	22.07	16000	2000		
			SCHMT	164.83	25.70	10000	2100		
			SACKO	164.35	27.01	10000	2100		

ARRIVAL ROUTE DESCRIPTION:

FROM SACKO ON TRACK 102.26/10.01 TO CHERI (MEA 6000/MOCA 2200), THEN ON TRACK 102.42/20.53 TO DAMEN (MEA 6000/MOCA 2200), THEN ON ASSIGNED RUNWAY TRANSITION.

LANDING RWY 17L/R: FROM DAMEN ON TRACK 116.59/6.80 TO CAESR (MEA 6000/MOCA 2400), THEN ON TRACK 076.59/5.40 TO HAUGN (MEA 6000/MOCA 2400), THEN ON TRACK 346.86/6.50 TO CURNL (MEA 4000/MOCA 2400), THEN ON TRACK 346.86. EXPECT RADAR VECTORS TO FINAL APPROACH COURSE.

LANDING RWY 29: FROM DAMEN ON TRACK 109.11/15.38 TO COORN (MEA 6000/MOCA 2400), THEN ON TRACK 114.32/12.33 TO SQWRL (MEA 4000/MOCA 2300), THEN ON TRACK 114.32. EXPECT RADAR VECTORS TO FINAL APPROACH COURSE.

LANDING RWY 35L/R: FROM DAMEN ON TRACK 098.95/11.48 TO HAUGN (MEA 6000/MOCA 2400), THEN ON TRACK 163.74/8.15 TO LEWSS (MEA 5000/MOCA 2400), THEN ON TRACK 168.39. EXPECT RADAR VECTORS TO FINAL APPROACH COURSE.

PROCEDURAL DATA NOTES:

NOTE: RADAR REQUIRED

NOTE: RNAV 1

NOTE: DME/DME/IRU OR GPS REQUIRED

NOTE: TURBOJET AIRCRAFT ONLY

CHART AT CHERI: "EXPECT CLEARANCE TO CROSS AT 11000/250 KIAS."

FIXES AND/OR HOLDING PATTERNS:

CHART HOLDING AT CHERI: W, LT, 102.42 INBOUND, 10 NM LEGS.

CHART BRBON AND SCARY AS STAND-ALONE WAYPOINTS.

CHART IIU VORTAC.

COMMUNICATIONS:

LOUISVILLE APP CON

STANDIFORD ATIS

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AIRPORTS SERVED:

LOUISVILLE INTL-STANDIFORD FIELD, LOUISVILLE, KY

LOST COMMUNICATIONS PROCEDURE:

LANDING RWY 17L/R: TRACK TO CURNL, CROSS CURNL AT 4000, THEN PROCEED DIRECT SCARY, AT SCARY FLY HEADING 080, MAINTAIN 4000: INTERCEPT AND EXECUTE ILS OR LOC RWY 17R APPROACH, IF UNABLE PROCEED TO IIU VORTAC AND HOLD, MAINTAIN 6000.

LANDING RWY 35L/R: TRACK TO LEWSS, CROSS LEWSS AT 5000, THEN PROCEED DIRECT BRON, MAINTAIN 5000, EXECUTE ILS OR LOC RWY 35L APPROACH. IF UNABLE, PROCEED TO IIU VORTAC AND HOLD, MAINTAIN 6000.

LANDING RWY 29: TRACK TO SQWRL, CROSS SQWRL AT 3000, AT SQWRL FLY HEADING 020, MAINTAIN 3000. INTERCEPT AND EXECUTE LOC RWY 29 APPROACH. IF UNABLE, PROCEED TO IIU VORTAC AND HOLD, MAINTAIN 6000.

REMARKS:

DEPICT SCARY OFFSET FROM FM LEG AFTER CURNL TO AVOID AIRCREW MISUNDERSTANDING.

ADDITIONAL FLIGHT DATA:

DME/DME ASSESSMENT: SAT (RNP 2.0)

REFERENCE MAGNETIC VARIATION = KSDF 03W/1995

SPECIAL CHARTING REQUEST: INSERT "TRK" ON GRAPHIC DEPICTION AFTER MAGNETIC COURSES FOR FM LEGS AFTER CURNL, LEWSS AND SQWRL.

CHART AT LEWSS: "LANDING RWY 35L/R: EXPECT RADAR VECTORS TO FINAL APPROACH COURSE AFTER LEWSS."

CHART AT CURNL: "LANDING RWY 17L/R: EXPECT RADAR VECTORS TO FINAL APPROACH COURSE AFTER CURNL."

CHART AT SQWRL: "LANDING RWY 29: EXPECT RADAR VECTORS TO FINAL APPROACH COURSE AFTER SQWRL."

FLIGHT INSPECTED BY:

Name	Organization	Date	Signature
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DEVELOPED BY:

THOMAS DURY, MANAGER AIRSPACE AND  
PROCEDURES

INDIANAPOLIS ARTCC.

Name	Organization	Date	Signature
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APPROVED BY:

MARLON J. ROBINSON, MANAGER

AJV-5410

Name	Organization	Date	Signature
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CHANGES:

1. ALL ALTITUDE AND SPEED RESTRICTIONS REMOVED FROM PROCEDURE.
2. ENL ENROUTE TRANSITION DELETED.
3. DAAVE ENROUTE TRANSITION CREATED.
4. PXV ENROUTE TRANSITION DELETED.
5. ALENN ENROUTE TRANSITION CREATED.

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6. TTH ENROUTE TRANSITION DELETED.
7. JAYVO ENROUTE TRANSITION CREATED.
8. REDLG ADDED TO JAYVO ENROUTE TRANSITION.
9. SCHMT ADDED TO JAYVO ENROUTE TRANSITION.
10. NEW RWY 29 TRANSITION CREATED WITH COORN AND SQWRL WAYPOINTS.
11. LOST COMMUNICATION PROCEDURES REVISED TO REFLECT THE NEW RWY 9 AND RECONFIGURED TRANSITIONS.
12. PILOT PLANNING GRAPHIC CHART NOTES FOR LANDING RWY 35L/R, 17L/R AND 29 AMENDED.
13. LAANG LOM STAND-ALONE FIX REMOVED.
14. CURNL ADDED TO RWY 17L/R TRANSITION.
15. LEWSS ADDED TO RWY 35L/R TRANSITION.
16. BNETT REMOVED FROM RWY 35L/R TRANSITION.
17. YUNDV REMOVED FROM RWY 17L/R TRANSITION.
18. COBLR REMOVED FROM RWY 17L/R TRANSITION.
19. STUGZ REMOVED FROM RWY 35L/R TRANSITION.
20. CAESR MOVED 0.40 NM WSW.

REASONS:

1. CORRECTIVE ACTION REPORT AND AIR TRAFFIC SAFETY ACTION PROGRAM REPORTS RESOLUTION.
- 2-7. GROUND-BASED NAVAIDS REMOVED FROM PROCEDURE.
- 8-9. AIRSPACE REFERENCE WAYPOINTS.
- 11-12 ARRIVAL ROUTES AMENDED.
13. NAVAID NOT RELEVANT TO PROCEDURE.
- 14-19. PROCEDURE DISCONNECTED FROM RNP APPROACHES.
20. LEG SEGMENT LENGTH CRITERIA.

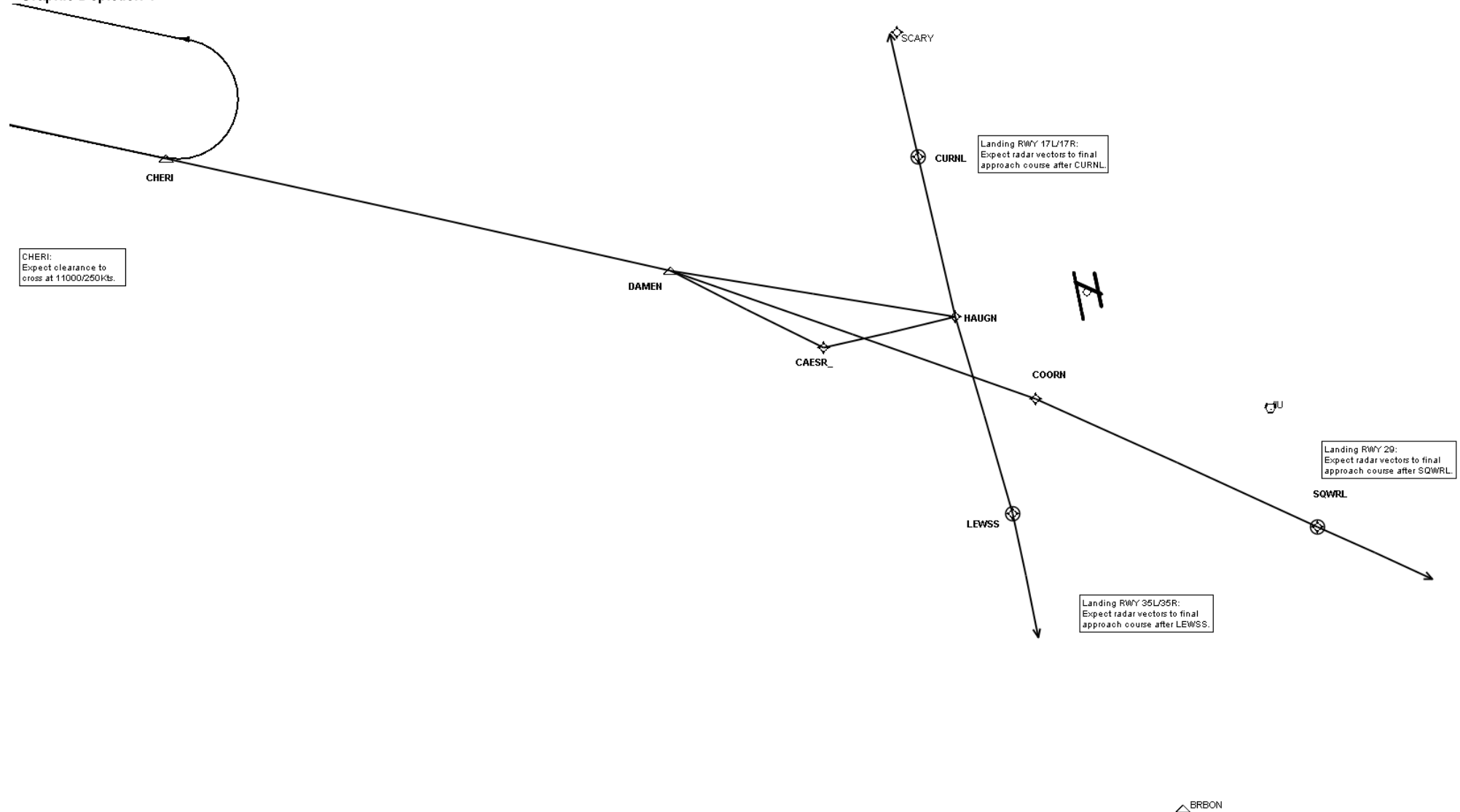
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**Graphic Depiction 1**



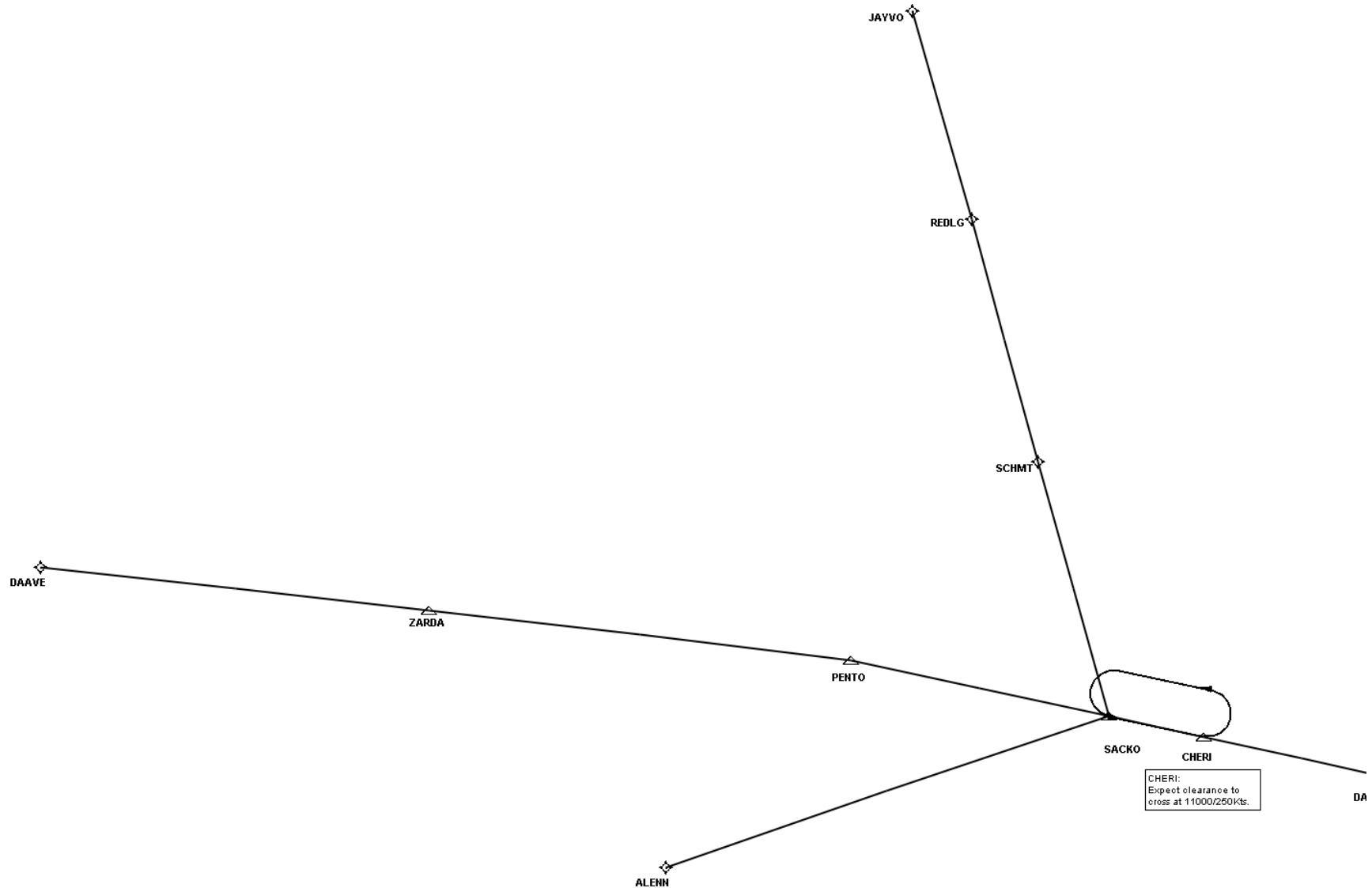
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Graphic Depiction 2



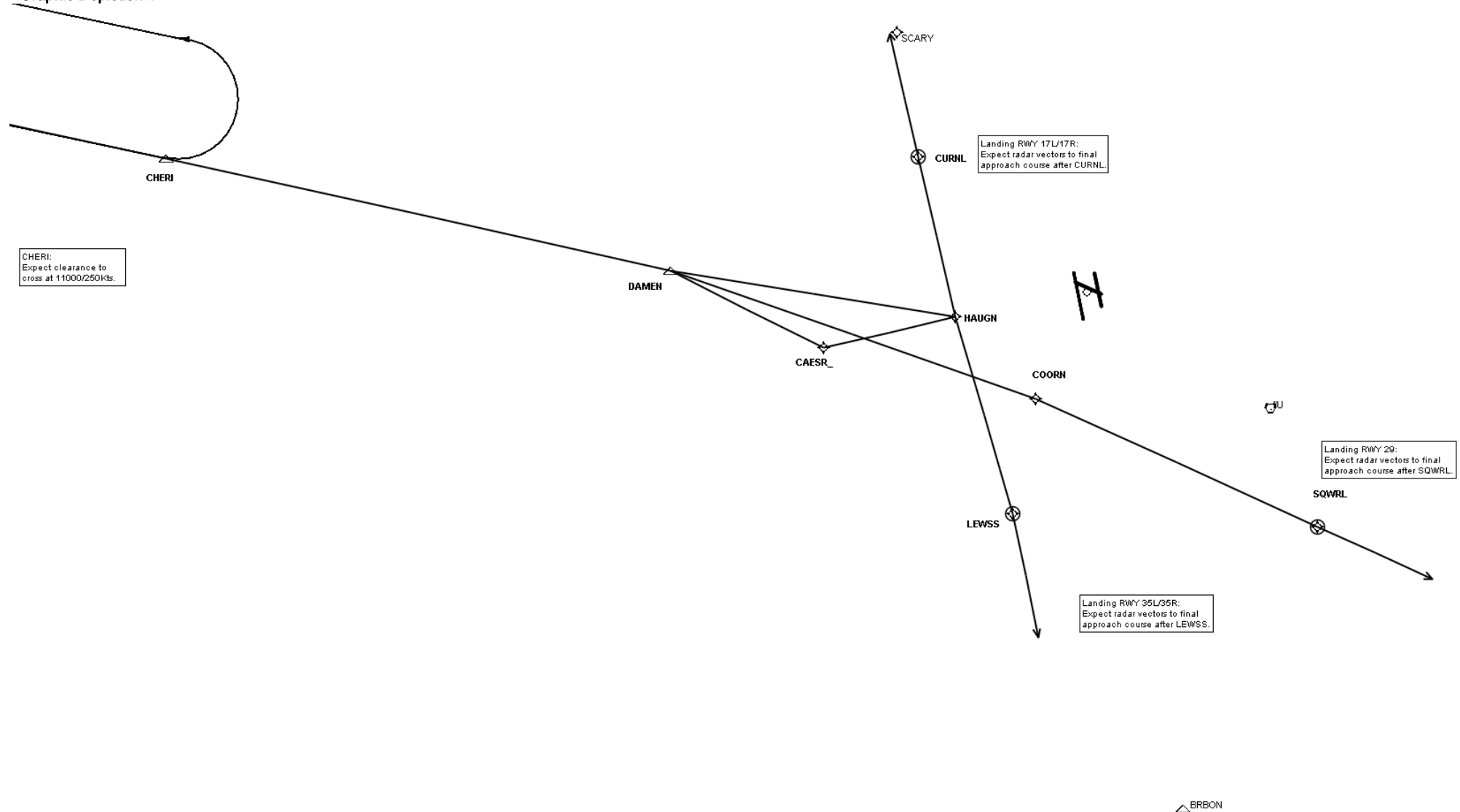
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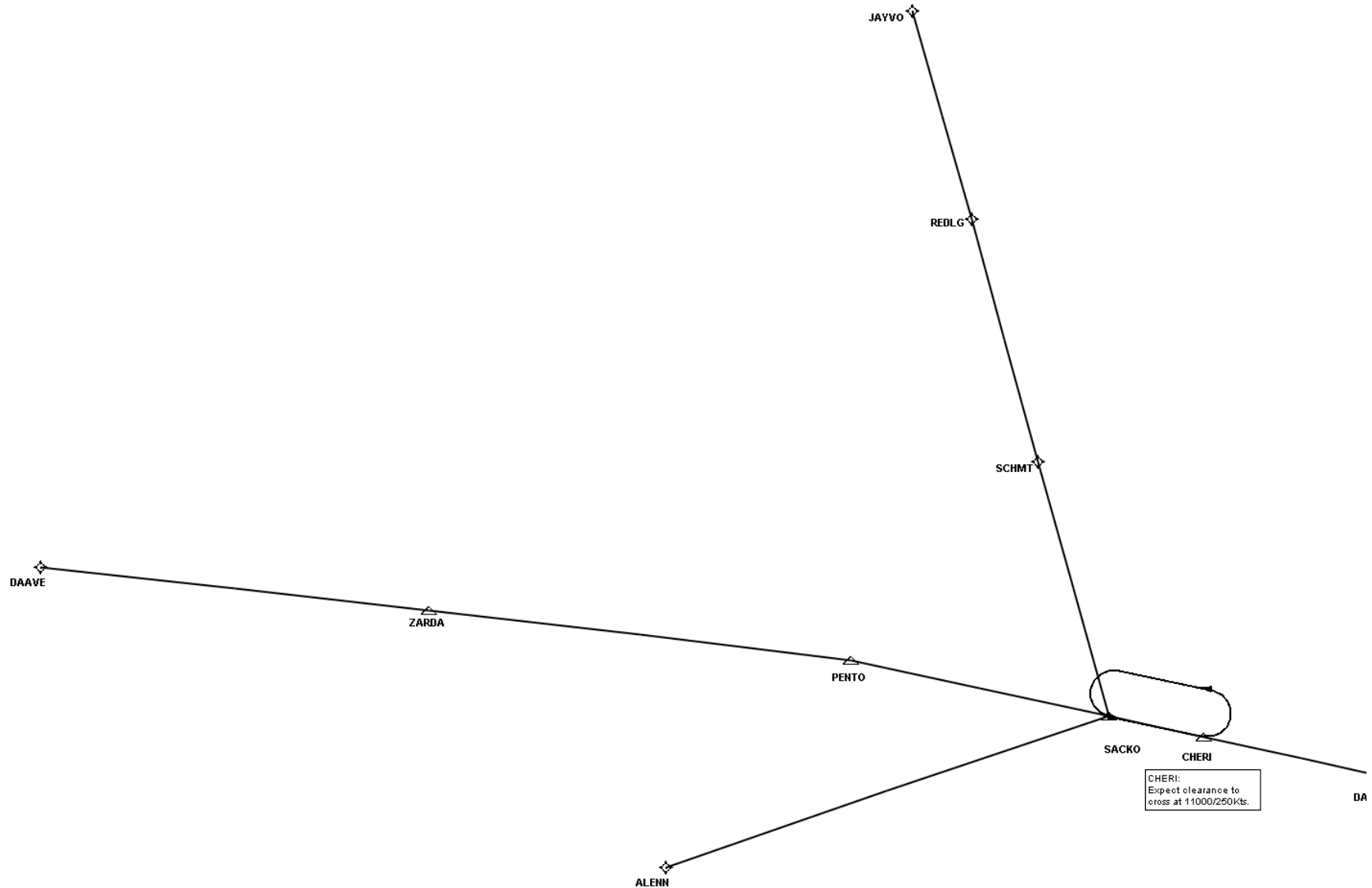
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Graphic Depiction 2



## STAR (DATA RECORD)

Arrival Name DAMEN (RNAV)	Number THREE	STAR Computer Code SACKO.DAMEN3	Superseded Number TWO	Dated 18 SEP 2014	Effective Date				
FIX/NAVAID	LAT/LONG	C	FO/FB	LEG TYPE	TC	DIST (NM)	ALTITUDE	SPEED	REMARKS
En Route Transition									
ALENN	375735.09N / 0873953.25W	Y		IF					ALENN.DAMEN3
SACKO	381526.16N / 0864325.83W	Y	FB	TF	067.90	47.99			
En Route Transition									
DAAVE	382456.27N / 0890311.20W	Y		IF					DAAVE.DAMEN3
ZARDA	382238.06N / 0881223.33W	Y	FB	TF	093.03	40.00			
PENTO	381943.31N / 0871716.73W	Y	FB	TF	093.55	43.45			
SACKO	381526.16N / 0864325.83W	Y	FB	TF	098.95	26.99			
En Route Transition									
JAYVO	392626.98N / 0871342.00W	Y		IF					JAYVO.DAMEN3
REDLG	390531.00N / 0870438.00W	Y	FB	TF	161.34	22.07			
SCHMT	384103.95N / 0865423.78W	Y	FB	TF	161.83	25.70			
SACKO	381526.16N / 0864325.83W	Y	FB	TF	161.35	27.01			
Common Route									
SACKO	381526.16N / 0864325.83W	Y		IF					SACKO.DAMEN3
CHERI	381348.75N / 0863053.65W	Y	FB	TF	099.26	10.01			
DAMEN	381024.14N / 0860513.01W	Y	FB	TF	099.42	20.53			
Runway Transition									
DAMEN	381024.14N / 0860513.01W	Y		IF					
CAESR	380740.30N / 0855718.83W	Y	FB	TF	113.59	06.80			
HAUGN	380911.74N / 0855044.80W	Y	FB	TF	073.59	05.40			
CURNL	381526.75N / 0855302.45W	Y	FO	TF	343.86	06.50			
KSDF:RWY 17B				FM	343.86				RECOMMENDED NAVAID: RID VORTAC.
Runway Transition									
DAMEN	381024.14N / 0860513.01W	Y		IF					

QUALITY  
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FIX/NAVAID	LAT/LONG	C	FO/FB	LEG TYPE	TC	DIST (NM)	ALTITUDE	SPEED	REMARKS
COORN	380606.36N / 0854630.09W	Y	FB	TF	106.11	15.38			
SQWRL	380136.14N / 0853157.60W	Y	FO	TF	111.32	12.33			
KSDF:RWY 29				FM	111.32				RECOMMENDED NAVAID: RID VORTAC

**Runway Transition**

DAMEN	381024.14N / 0860513.01W	Y		IF					
HAUGN	380911.74N / 0855044.80W	Y	FB	TF	095.95	11.48			
LEWSS	380129.42N / 0854720.62W	Y	FO	TF	160.74	08.15			
KSDF:RWY 35B				FM	165.39				RECOMMENDED NAVAID: RID VORTAC

QUALITY  
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