Constructing an Arc Transition

Problem: The approach in use has an arc transition that is not in your database.
Solution #1: Create wpts on the arc using the Place-Bearing/Distance format.
Solution #2: Use a FIX page to create the arc (distance entry) and fly with MCP HDG SEL.
ATC: *"Savoia Marchetti 75, cleared for the ILS to Runway One One via the 14 DME arc."*
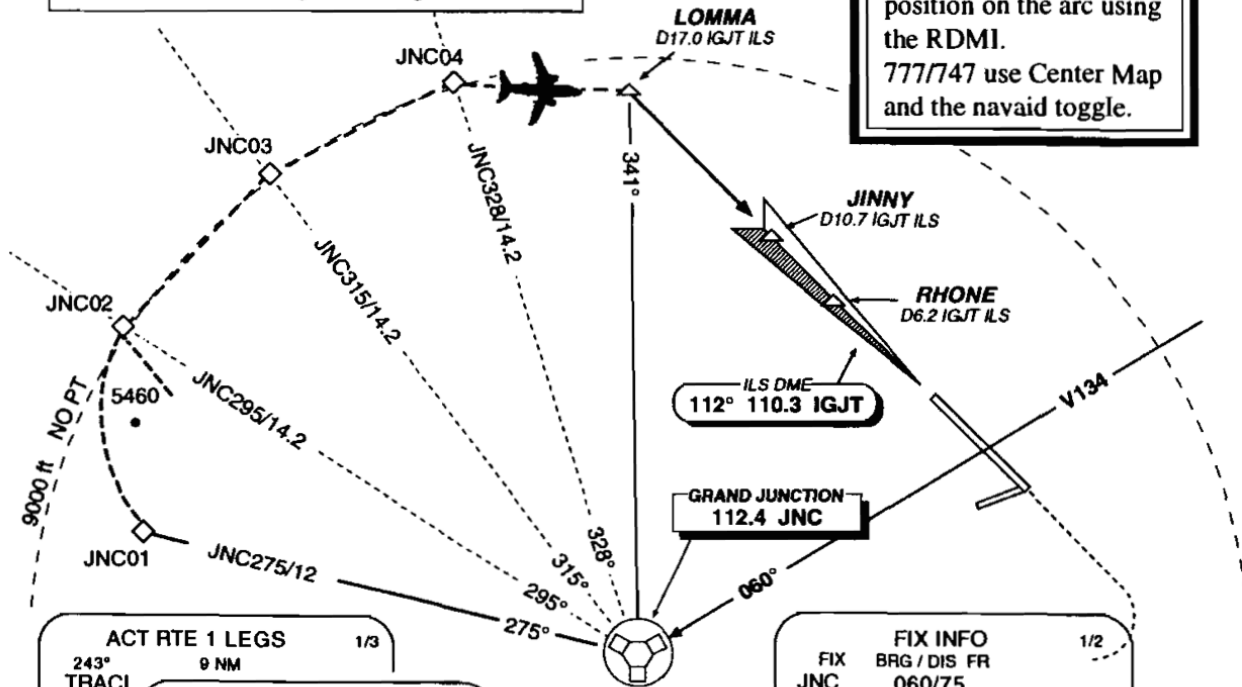
❶
- These steps must be performed at altitude, during a time of low work load.
- Select ILS 11.
- Using the LEGS page and the *place-bearing/distance* format, build wpts along the arc at 15-20 degree intervals.
- Extend the wpt one or two tenths of a mile outside the published arc distance so that the turn - which never goes exactly over the wpt - remains close to the published distance. The arc is round but the pilot must fly it in a series of small, straight-line segments.

❷
- Enter only the restrictions at RHONE (150/6309) and examine all advisory altitudes for descent planning.
- If a DISCO is inserted, enter a slower speed to restrict the turn radius.
- Check MEAs and crossing restrictions; enter necessary constraints and EXECute. (Note that the minimum altitude on the arc is 9000 ft.)

CAUTION
757/767: Monitor position on the arc using the RDMI.
777/747 use Center Map and the navaid toggle.

ACT RTE 1 LEGS 1/3

243°	9 NM
TRACI	
242°	
JNC	
277°	
JNC01	
351°	
JNC02	
037°	
JNC03	

<RTE :	

ACT RTE 1 LEGS 2/3

053°	3 NM	
JNC04		180/ 9000
084°	3 NM	
LOMMA		170/ 9000
112°	6 NM	
JINNY		170/ 7311
112°	4 NM	
RHONE		150/ 6300
112°	4 NM	
RWY11		130/ 4880

<RTE 2 LEGS	RTE DATA>	

ACT RTE 1 LEGS

242°	
JNC	• Example of an arc
277°	transition from the
D275L	nav database.
351°	• Wpts coded in the
D295N	*bearing-distance*
037°	format are much
D315N	easier to track
053°	around the arc.
D328N	

FIX INFO 1/2

FIX	BRG / DIS FR
JNC	060/75

BRG / DIS	ETA	DTG	ALT
295/14	*(No predictions)*		
315/			
328/			

- PIP only: To create the green dashed circle (arc), enter JNC in a FIX page and /14.
- Create the dashed lines by entering a bearing from JNC at the desired intervals. This makes it easier to track your progress while on the arc.
- If the clearance comes at the last moment, this method may serve as the quickest way to build the transition. Use MCP HDG SEL to fly the arc.