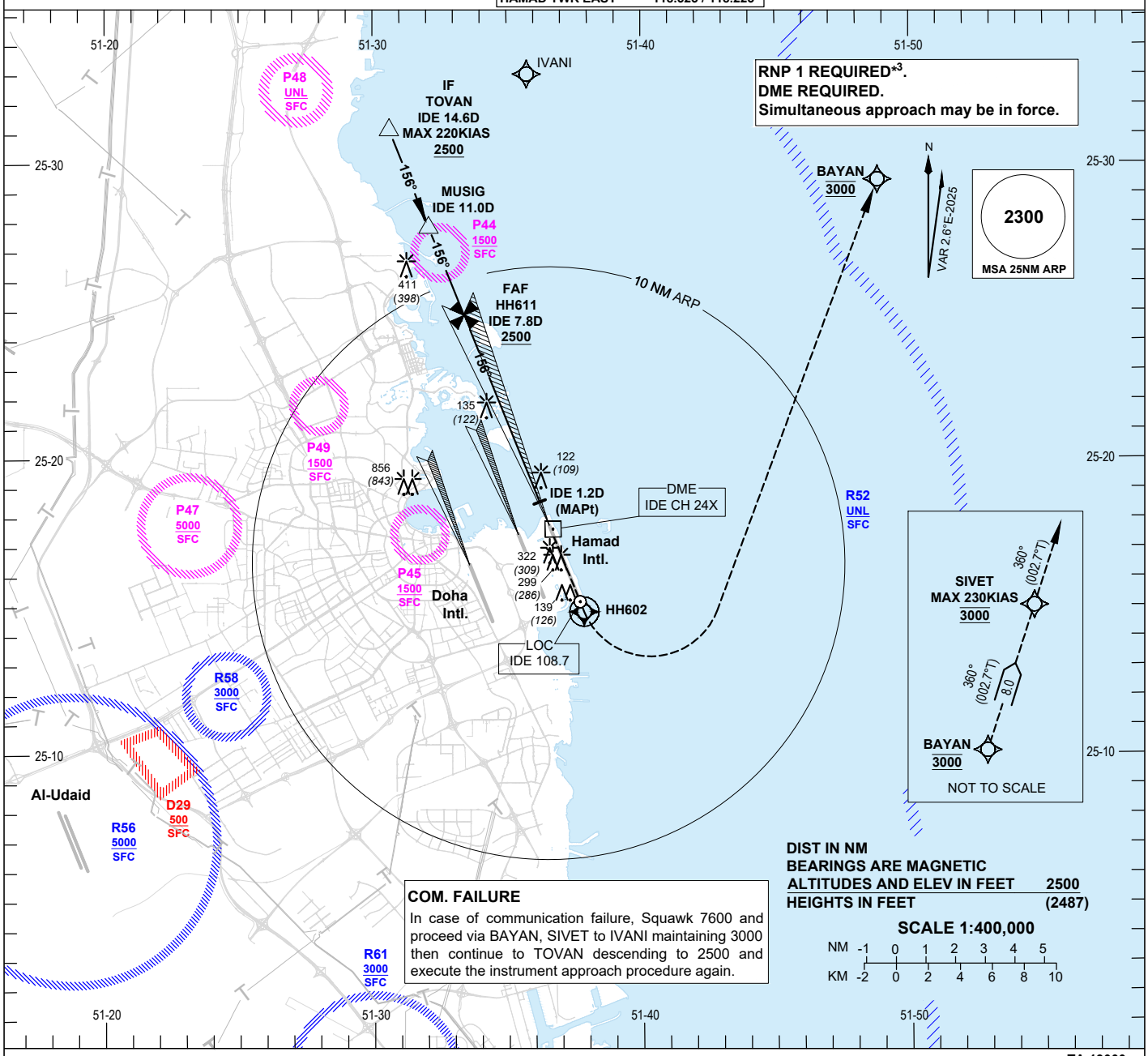
INSTRUMENT APPROACH CHART - ICAO

AD ELEV 13
HEIGHTS RELATED TO THR RWY 16L - ELEV 13

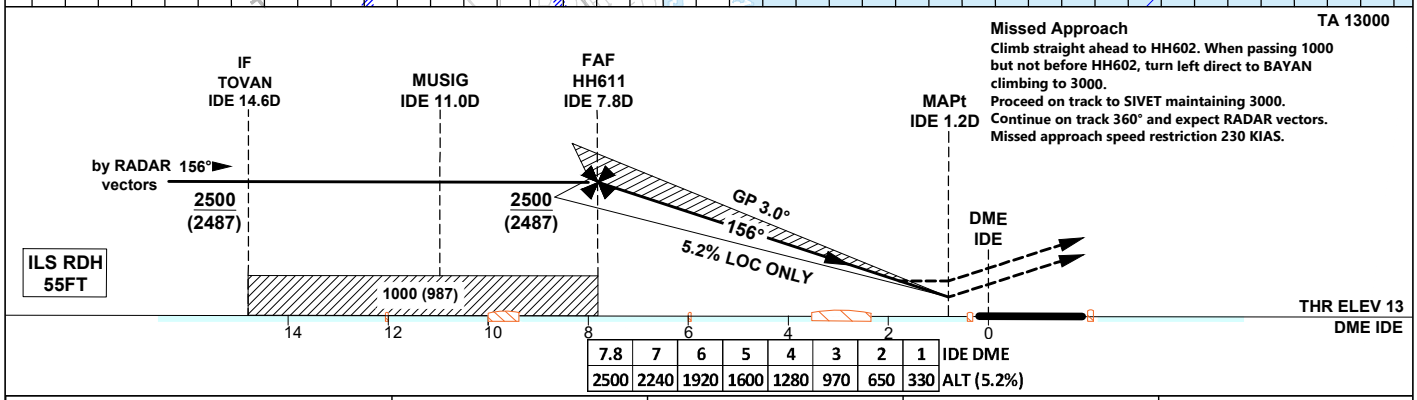
DOHA RADAR NORTH	121.100 / 121.625
DOHA RADAR SOUTH	120.675 / 119.150
DOHA APP EAST	124.775 / 120.600
DOHA DIRECTOR EAST	119.400 / 121.125
HAMAD TWR EAST	118.525 / 118.225

DOHA/Hamad Intl. (OTHH)
ILS RWY16L CAT II & III
ACFT CAT A B C D



COM. FAILURE

In case of communication failure, Squawk 7600 and proceed via BAYAN, SIVET to IVANI maintaining 3000 then continue to TOVAN descending to 2500 and execute the instrument approach procedure again.



OCA (OCH)		A	B	C	D
Straight in Approach	ILS CAT I	188 (175)	200 (187)	213 (200)	230 (217)
	ILS CAT II	108 (95)	119 (106)	130 (117)	147 (134)
	LOC ONLY	490 (477)			
Circling		620 (607)		1260 (1247)	

1. IDE DME Zero Ranged to TDZ.
2. CAT IIIA and CAT IIIB Approved.
3. *RNP 1 required in the Missed Approach.
4. In case of Missed Approach inform ATC immediately.

LOC ONLY Approach: MAPt at IDE 1.2D							
Speed	KT	80	100	120	140	160	180
Time	MIN:SEC	Timing Not Authorized					
RATE OF DESCENT	FT/MIN	420	530	640	740	850	960

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INSTRUMENT APPROACH CHART- ICAO

DOHA/Hamad Intl.(OTHH)
ILS RWY 16L CAT II & III
ACFT CAT A B C D

AERONAUTICAL DATA TABULATION

TABULAR DESCRIPTION

ILS approach to RWY16L from TOVAN (IF)

Serial Num	Path Descriptor	Waypoint Identifier	Fly-over	Course °M(°T)	Recom. Navaid	Distance (NM)	Turn Direction	Altitude (ft)	Speed (kt)	VPA(°)/ TCH(ft)	Navigation Specification
1	IF	TOVAN	-	-	-	-	-	+2500	-220	-	-
2	CF	MUSIG	-	156 (158.2)	IDE	3.6	-	-	-	-	-
3	CF	HH611	-	156 (158.2)	IDE	3.2	-	+2500	-	-	-
4	CF	THR 16L	-	156 (158.2)	IDE	7.6	-	-	-	-3.00 / 55	-
5	CF	HH602	Y	156 (158.2)	DOH	-	-	-	-	-	RNP 1
6	CA	-	-	156 (158.2)	-	-	-	+1000	-	-	RNP 1
7	DF	BAYAN	-	-	-	-	L	@3000	-	-	RNP 1
8	TF	SIVET	-	360 (002.7)	-	8.0	-	@3000	-	-	RNP 1
9	FM	SIVET	-	360 (002.8)	-	-	-	-	-230	-	RNP 1

Waypoint & Fix/Point list

Waypoint/Fix/Point	Coordinates
TOVAN (IF) - BRG 155.57° / 14.56 NM IDE	253109.81N 0513037.05E
MUSIG - BRG 155.57° / 11.00 NM IDE	252751.10N 0513204.88E
HH611 (FAF) - BRG 155.57° / 7.81 NM IDE	252452.74N 0513323.71E
Final approach descent angle (LOC Only) - 3.00°	-
IDE 1.2D (MAPt LOC Only) - BRG 155.57° / 1.20 NM IDE	251843.56N 0513606.58E
HH602 (MATF)	251449.85N 0513749.52E
BAYAN (MATF)	252926.00N 0514849.00E
SIVET (MATF)	253727.14N 0514914.49E

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