

**ORSU/ISU**  
SULAIMANIYAH INTL

**JEPPESSEN**  
24 JAN 20 10-2 EFF 30 JAN

**SULAIMANIYAH, IRAQ**  
STAR

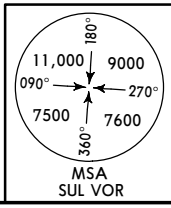
SULAIMANIYAH Tower 121.7	Apt Elev 2492'	Alt Set: hPa Trans level: FL160 FL170 when QNH below 980 hPa	Trans alt: 14000'
All arriving aircraft are to contact SULAIMANIYAH Tower prior to entry and announce position and intentions.			

**ARRIVALS**

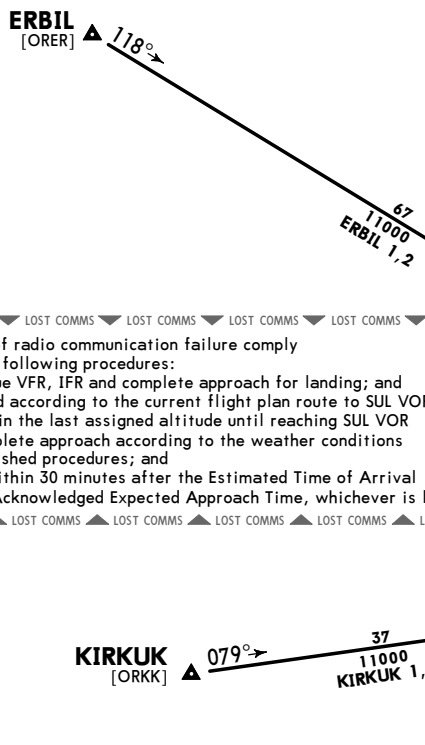
ERBIL 1 [ERBIL1] KIRKUK 1 [KIRKK1] (RWY 31)	ERBIL 2 [ERBIL2] KIRKUK 2 [KIRKK2] (RWY 13)
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**HOLDINGS OVER SUL VOR**

<p>Runway 13</p>	<p>Runway 31</p>
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SULAIMANIYAH  
D 117.0 SUL  
N35 34.8 E045 17.4



In case of radio communication failure comply with the following procedures:

- Continue VFR, IFR and complete approach for landing; and
- Proceed according to the current flight plan route to SUL VOR; and
- Maintain the last assigned altitude until reaching SUL VOR and complete approach according to the weather conditions and published procedures; and
- Land within 30 minutes after the Estimated Time of Arrival or Last Acknowledged Expected Approach Time, whichever is later.

FOR FLIGHT SIMULATORS LIGHTS CHANGES: SULAIMANIYAH Tower frequency revised: © JEPPESSEN, 2008 - 2020. ALL RIGHTS RESERVED.

**ORSU/ISU**  
SULAIMANIYAH INTL

**JEPPESSEN**  
20 MAR 20 10-3 EFF 26 Mar

**SULAIMANIYAH, IRAQ**  
SID

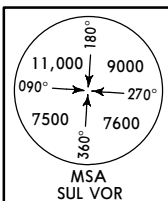
Apt Elev  
**2492'**

Trans level: FL160

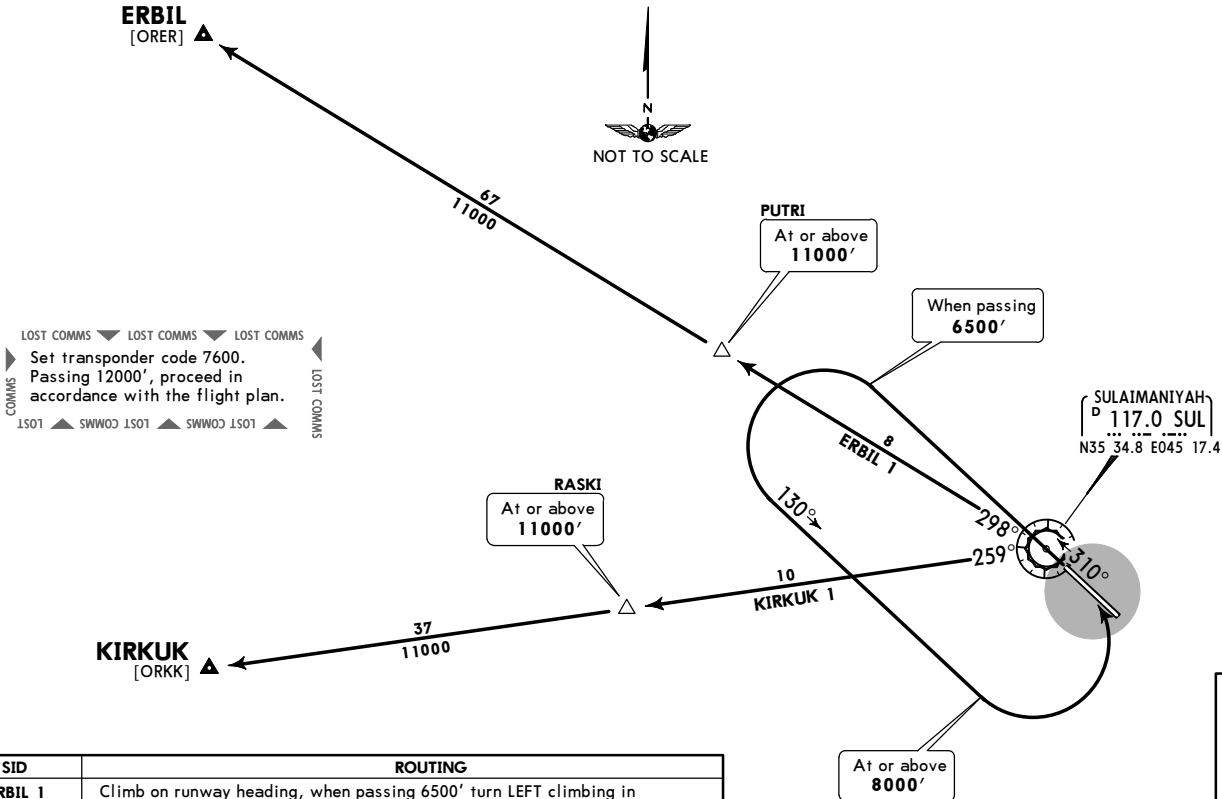
FL170 when QNH below 980 hPa

Trans alt: 14000'

**ERBIL 1 [ERBIL1], KIRKUK 1 [KIRKK1]**  
**DEPARTURES**  
**(RWY 31)**



SULAIMANIYAH  
D 117.0 SUL  
N35 34.8 E045 17.4



LOST COMMS ▼ LOST COMMS ▼ LOST COMMS  
Set transponder code 7600.  
Passing 12000', proceed in  
accordance with the flight plan.  
LOST COMMS ▲ LOST COMMS ▲ LOST COMMS ▲

SID	ROUTING
ERBIL 1	Climb on runway heading, when passing 6500' turn LEFT climbing in holding pattern to SUL VOR, SUL R-298 via PUTRI to ERBIL.
KIRKUK 1	Climb on runway heading, when passing 6500' turn LEFT climbing in holding pattern to SUL VOR, SUL R-259 via RASKI to KIRKUK.

FOR FLIGHT SIMULATION PURPOSES

**ORSU/ISU**  
SULAIMANIYAH INTL

**JEPPESSEN**  
20 MAR 20 10-3A EFF 26 Mar

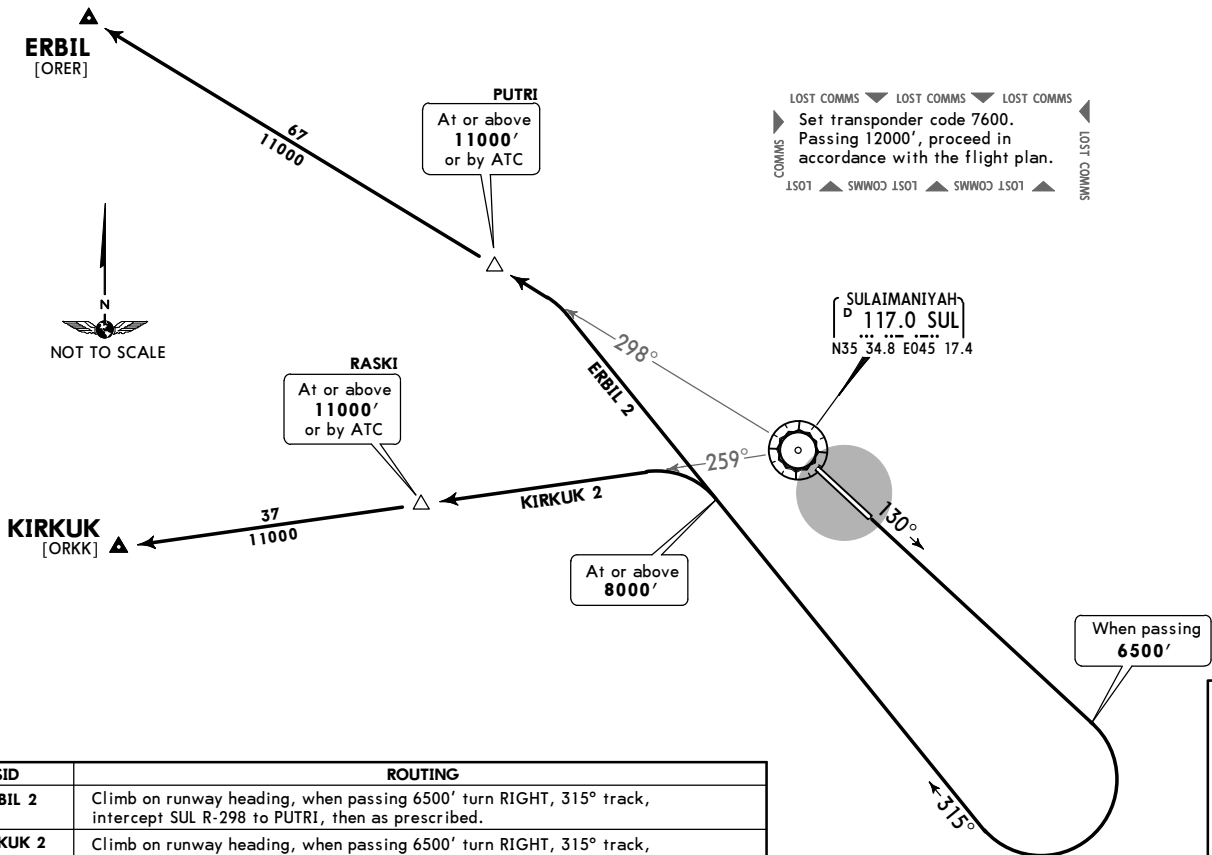
**SULAIMANIYAH, IRAQ**  
SID

Apt Elev  
**2492'**

Trans level: FL160  
FL170 when QNH below 980 hpa

Trans alt: 14000'

**ERBIL 2 [ERBIL2], KIRKUK 2 [KIRKK2]**  
**DEPARTURES**  
**(RWY 13)**



LOST COMMS ▼ LOST COMMS ▼ LOST COMMS  
Set transponder code 7600.  
Passing 12000', proceed in accordance with the flight plan.  
LOST COMMS ▲ LOST COMMS ▲ LOST COMMS ▲



FOR FLIGHT PLANNING PURPOSES ONLY

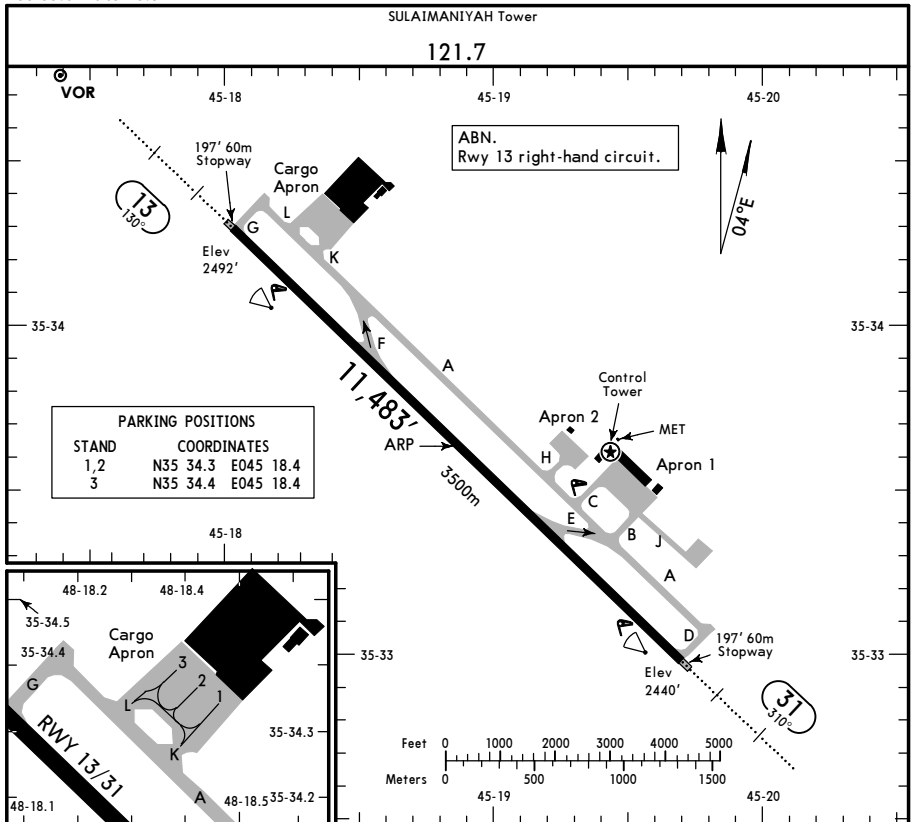
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SID	ROUTING
ERBIL 2	Climb on runway heading, when passing 6500' turn RIGHT, 315° track, intercept SUL R-298 to PUTRI, then as prescribed.
KIRKUK 2	Climb on runway heading, when passing 6500' turn RIGHT, 315° track, intercept SUL R-259 to RASKI, then as prescribed.

**ORSU/ISU**  
 Apt Elev **2492'**  
 N55 33.6 E045 18.9

**JEPPESSEN**  
 1 NOV 19 **(10-9)** Eff 7 Nov

**SULAIMANIYAH, IRAQ**  
 SULAIMANIYAH INTL



**ADDITIONAL RUNWAY INFORMATION**

RWY	LANDING BEYOND	USABLE LENGTHS		TAKE-OFF	WIDTH
		Threshold	Glide Slope		
13 31	HIRL (60m) HIALS PAPI-L (angle 3.0°)	RVR	10,389' 3167m 10,572' 3222m		148' 45m

**LOW VISIBILITY PROCEDURES (LVP)**

Low visibility operations shall be applied when VIS is less than 1500m.  
 The initiation and cancellation of LVP is the responsibility of the controller. All departing and arriving aircraft shall be guided by follow-me car. All aircraft shall be requested to report 'runway vacated'.

**TAKE-OFF**

AIR CARRIER (JAA)  
**All Rwys**

RCLM (DAY only)  
 or RL

A	RVR 550m VIS 1000m
B	
C	
D	

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ORSU/ISU

**JEPPESEN**

**Standard**

17 FEB 17  
Eff 2 Mar (10-9S)

**SULAIMANIYAH, IRAQ**  
**SULAIMANIYAH INTL**

STRAIGHT-IN RWY		A	B	C	D	
13	ILS	2692'(200') 1000m	2692'(200') 1000m	2692'(200') 1000m	2692'(200') 1000m	
	ALS out	1200m	1200m	1200m	1200m	
	RNAV (LNAV) ①	2840'(348') 1000m	2840'(348') 1000m	2840'(348') 1000m	2840'(348') 1000m	
	ALS out	1500m	1500m	1600m	1600m	
	VOR ①	2800'(308') 1000m	2800'(308') 1000m	2800'(308') 1000m	2800'(308') 1000m	
	ALS out	1400m	1400m	1400m	1400m	
	VOR	2800'(308') 1000m	2800'(308') 1000m	2800'(308') 1200m	2800'(308') 1200m	
	ALS out	1600m	1600m	1800m	1800m	
	31	ILS	2640'(200') 1000m	2640'(200') 1000m	2640'(200') 1000m	2640'(200') 1000m
		ALS out	1200m	1200m	1200m	1200m
RNAV (LNAV) ①		2780'(340') 1000m	2780'(340') 1000m	2780'(340') 1000m	2780'(340') 1000m	
ALS out		1500m	1500m	1500m	1500m	
VOR ①		2740'(300') 1000m	2740'(300') 1000m	2740'(300') 1000m	2740'(300') 1000m	
ALS out		1400m	1400m	1400m	1400m	
VOR		2740'(300') 1000m	2740'(300') 1000m	2740'(300') 1200m	2740'(300') 1200m	
ALS out		1600m	1600m	1800m	1800m	

① Continuous Descent Final Approach.

CIRCLE-TO-LAND ②	100 KT	135 KT	180 KT	205 KT
After apch to rwy 13	2910'(418')	3000'(508')	3100'(608')	3200'(708')
After apch to rwy 31 ③	2900'(460') V1500m ④	3000'(560') V1600m	3100'(660') V2400m	3200'(760') V3600m

② Not authorized East of airport.

③ Circling height based on rwy 31 thresh elev of 2440'.

④ or higher minimums of preceding straight-in approach.

**TAKE-OFF RWY 13, 31**

	RCLM (DAY only) or RL	NIL (DAY only)
A		
B		
C		
D		

R550m  
V1000m

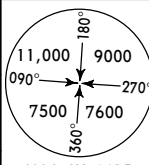
FOR FLIGHT SIMULATION USE ONLY!

**ORSU/ISU**  
**SULAIMANIYAH INTL**

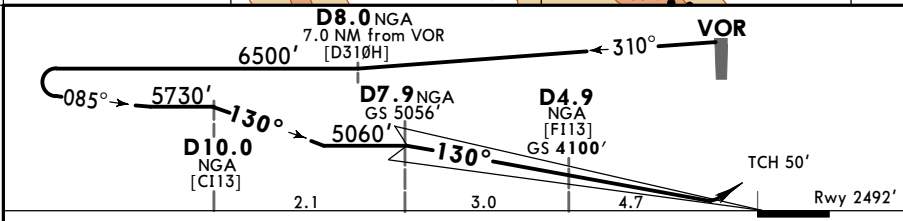
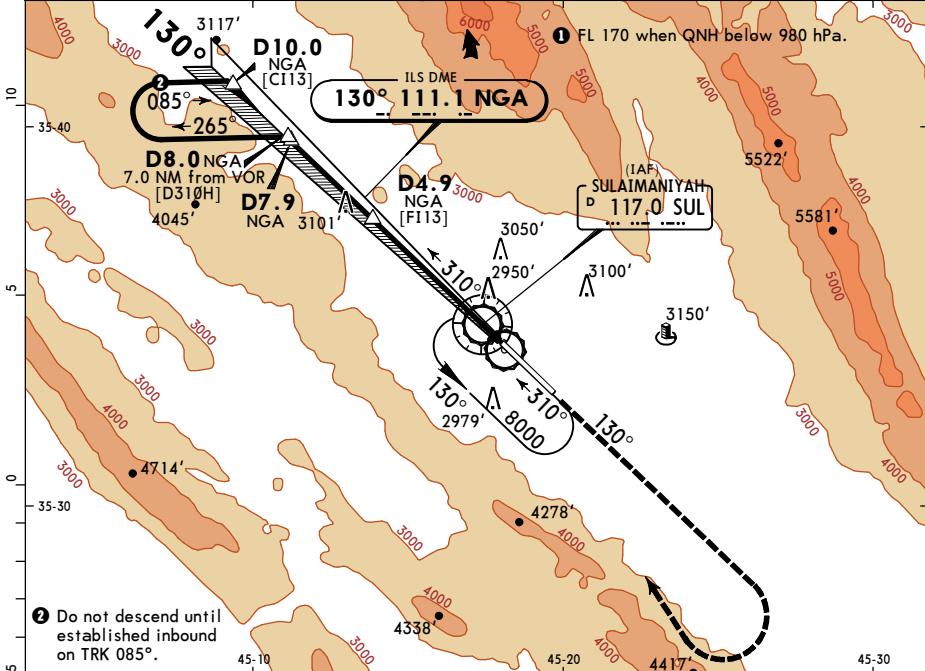
**JEPPESEN**  
1 NOV 19 **11-1** Eff 7 Nov

**SULAIMANIYAH, IRAQ**  
**ILS DME Rwy 13**

BAGHDAD Approach				SULAIMANIYAH Tower	
127.7			121.7		
LOC NGA <b>111.1</b>	Final ApcH Crs <b>130°</b>	GS <b>D4.9 NGA</b> 4100' (1608')	ILS DA(H) <b>2692' (200')</b>	Apt Elev 2492' Rwy 2492'	
<b>MISSED APCH:</b> Climb on runway heading to 6500', then turn RIGHT to join VOR at 8000', or as directed.					
Alt Set: hPa		Rwy Elev: 88 hPa	Trans level: FL 160 <b>1</b>		Trans alt: 14000'
					MSA SUL VOR



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Gnd speed-Kts	70	90	100	120	140	160
GS	3.00°	372	478	531	637	743

HIALS REIL PAPI-L	<b>6500'</b>	Rwy hdg
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STRAIGHT-IN LANDING RWY 13			CIRCLE-TO-LAND Not authorized East of airport	
ILS DA(H) <b>2692' (200')</b>		LOC (GS out)		Max Kts
FULL	ALS out			
A				100
B				135
C	1000m	1200m	NOT APPLICABLE	180
D				205
				MDA(H)
				2910' (418')
				2990' (498')
				3090' (598')
				3190' (698')

PANS OPS

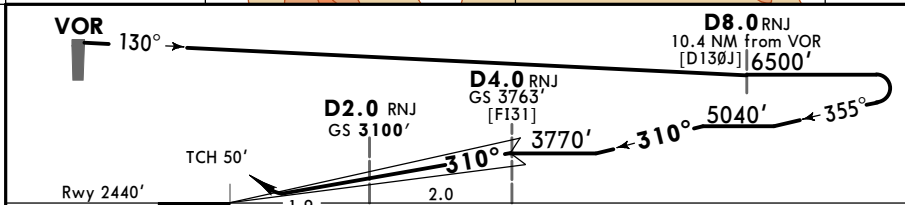
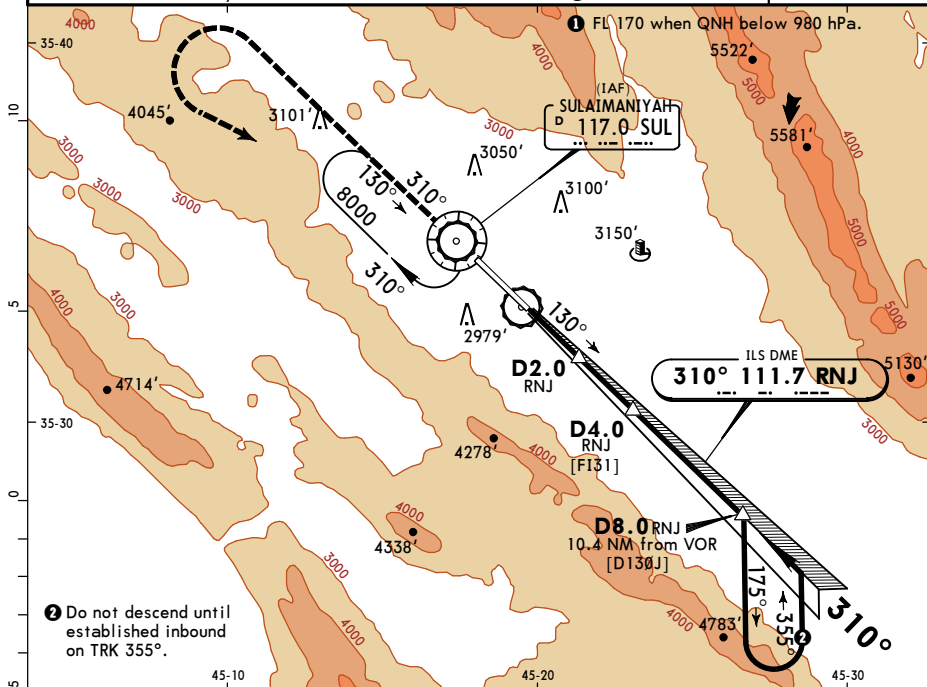
CHANGES: Communication. PAPI changed to PAPI-L.

**ORSU/ISU**  
**SULAIMANIYAH INTL**

**JEPPESON**  
1 NOV 19 **11-2** Eff 7 Nov

**SULAIMANIYAH, IRAQ**  
**ILS DME Rwy 31**

BAGHDAD Approach				SULAIMANIYAH Tower		
127.7				121.7		
LOC RNJ <b>111.7</b>	Final Apch Crs <b>310°</b>	GS <b>D2.0 RNJ</b> 3100' (660')	ILS DA(H) <b>2640'</b> (200')	Apt Elev 2492'		
MISSED APCH: Climb on runway heading to 6500', then turn LEFT to join VOR at 8000', or as directed.						
Alt Set: hPa		Rwy Elev: 86 hPa	Trans level: FL 160		Trans alt: 14000'	MSA SUL VOR



Gnd speed-Kts	70	90	100	120	140	160	HIALS REIL PAPI-L	6500' ↑ Rwy hdg
GS	3.00°	372	478	531	637	849		

STRAIGHT-IN LANDING RWY 31				CIRCLE-TO-LAND	
ILS		LOC (GS out)		Not authorized East of airport	
DA(H) <b>2640'</b> (200')				Max Kts	MDA(H)
FULL		ALS out		100	2910' (418') 1600m
1000m		1200m		135	2990' (498') 1600m
		NOT APPLICABLE		180	3090' (598') 2400m
				205	3190' (698') 3600m

PANS OPS

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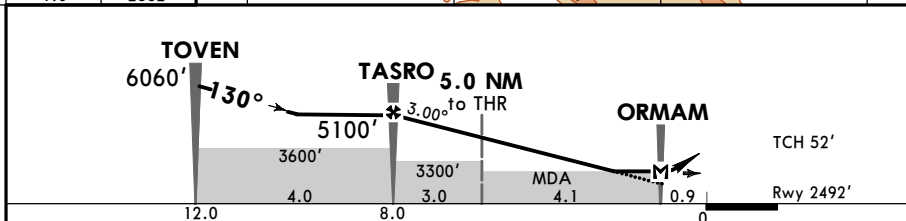
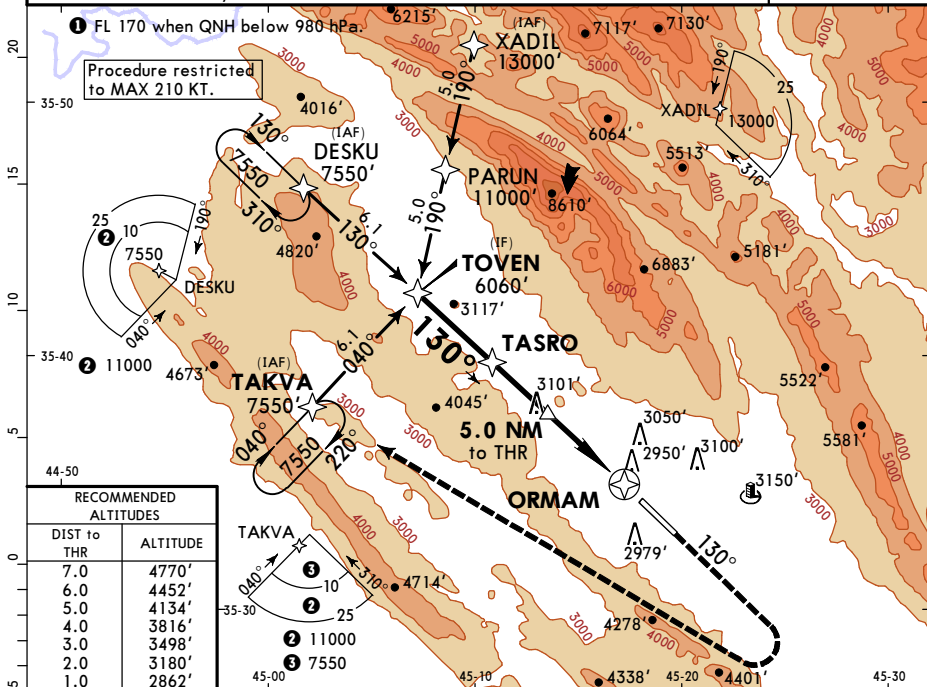
# ORSU/ISU SULAIMANIYAH INTL

**JEPPESON**  
1 NOV 19 **(12-1)** Eff 7 Nov

# SULAIMANIYAH, IRAQ RNAV (GNSS) Rwy 13

BAGHDAD Approach				SULAIMANIYAH Tower	
127.7				121.7	
RNAV	Final Apch Crs <b>130°</b>	<b>TASRO</b> 5100' (2608')	RNAV MDA(H) <b>2840' (348')</b>	Apt Elev 2492'	Rwy 2492'
<b>MISSED APCH:</b> Climb on runway heading to 6500', then turn RIGHT to TAKVA, continue climbing to 7550' and enter holding, or as directed.					TAA 25 NM IAF
Alt Set: hPa		Rwy Elev: 88 hPa	Trans level: FL 160	Trans alt: 14000'	

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Gnd speed-Kts	70	90	100	120	140	160	HIALS REIL PAPI-L 6500' on Rwy hdg
Descent Angle 3.00°	372	478	531	637	743	849	
MAP at ORNAM							

STRAIGHT-IN LANDING RWY 13	
RNAV MDA(H) <b>2840' (348')</b>	
ALS out	

PANS OPS

A		
B	1000m	
C		1600m
D	1200m	



**ORSU/ISU**  
**SULAIMANIYAH INTL**

**JEPPESEN**  
1 NOV 19 **(12-2)** **Eff 7 Nov**

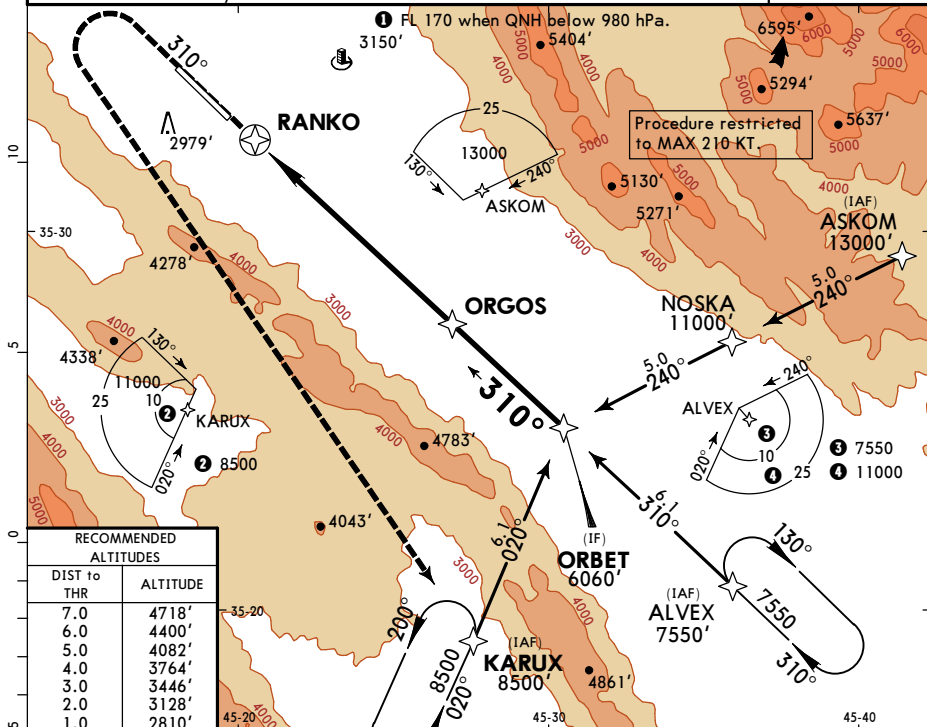
**SULAIMANIYAH, IRAQ**  
**RNAV (GNSS) Rwy 31**

BAGHDAD Approach <b>127.7</b>			SULAIMANIYAH Tower <b>121.7</b>		
RNAV	Final Aptch Crs <b>310°</b>	<b>ORGOS</b> 5100' (2660')	LNAV MDA(H) <b>2780' (340')</b>	Apt Elev 2492'	Rwy 2440'

**MISSED APCH:** Climb on runway heading to 6500', then turn LEFT to KARUX, continue climbing to 8500' and enter holding, or as directed.

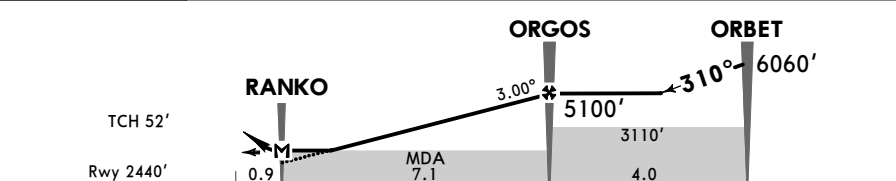
TAA  
25 NM  
IAF

Alt Set: hPa    Rwy Elev: 86 hPa    Trans level: FL 160 **1**    Trans alt: 14000'



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RECOMMENDED ALTITUDES	
DIST to THR	ALTITUDE
7.0	4718'
6.0	4400'
5.0	4082'
4.0	3764'
3.0	3446'
2.0	3128'
1.0	2810'



Gnd speed-Kts	70	90	100	120	140	160
Descent Angle 3.00°	372	478	531	637	743	849

HIALS REIL PAPI-L	6500'	↑ on ↑	Rwy hdg
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STRAIGHT-IN LANDING RWY 31  
LNAV  
MDA(H) **2780' (340')**

PANS OPS	A		ALS out
	B	1000m	
	C		1600m
	D	1200m	

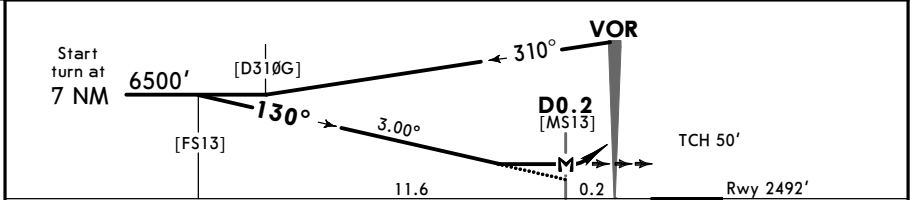
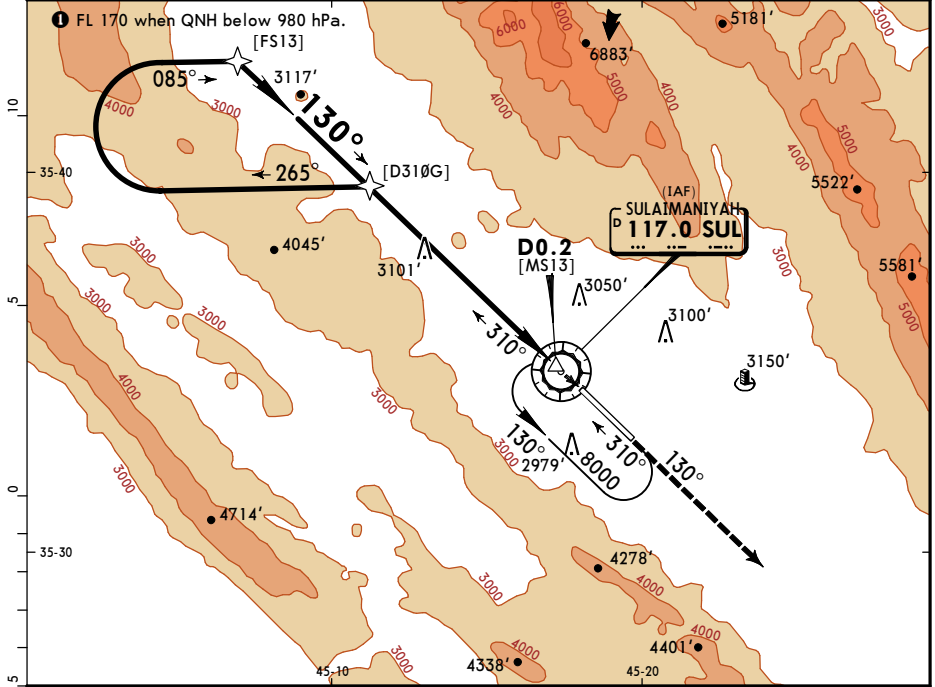
CHANGES: Communication. PAPI changed to PAPI-L.

**ORSU/ISU**  
**SULAIMANIYAH INTL**

**JEPPESN**  
1 NOV 19 **13-1** Eff 7 Nov

**SULAIMANIYAH, IRAQ**  
**Rwy 13**

BAGHDAD Approach			SULAIMANIYAH Tower		
127.7			121.7		
VOR SUL <b>117.0</b>	Final ApcH Crs <b>130°</b>	No FAF	MDA(H) <b>2800'</b> (308')	Apt Elev 2492'	Rwy 2492'
<b>MISSED APCH:</b> Climb on runway heading to 6500', then turn RIGHT to join VOR at 8000', or as directed.					
Alt Set: hPa	Rwy Elev: 88 hPa	Trans level: FL 160	Trans alt: 14000'	MSA SUL VOR	



Gnd speed-Kts	70	90	100	120	140	160	HIALS REIL PAPI-L	6500' on Rwy hdg
Descent Angle 3.00°	372	478	531	637	743	849		
MAP at D0.2								

STRAIGHT-IN LANDING RWY 13			CIRCLE-TO-LAND	
MDA(H) <b>2800'</b> (308')			Not authorized East of airport	
		ALS out	Max Kts	MDA(H)
A			100	2910' (418') 1600m
B	1000m	1600m	135	2990' (498') 1600m
C			180	3090' (598') 2400m
D		1600m	205	3190' (698') 3600m

PANS OPS

CHANGES: Communication. PAPI changed to PAPI-L.

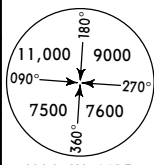
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**ORSU/ISU**  
**SULAIMANIYAH INTL**

**JEPPESEN**  
1 NOV 19 **13-2** Eff 7 Nov

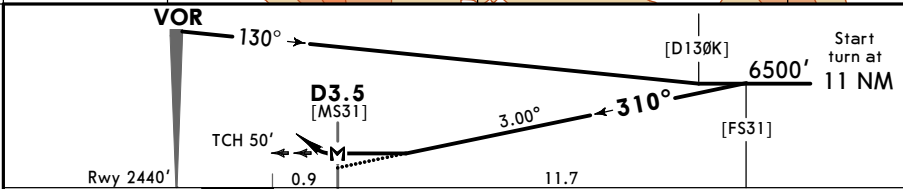
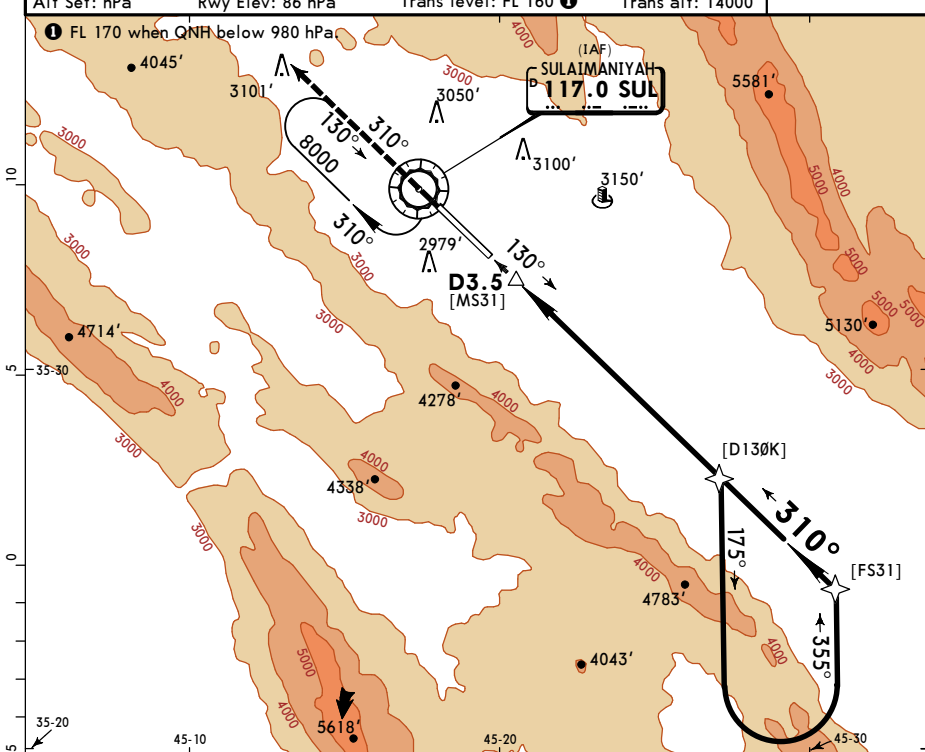
**SULAIMANIYAH, IRAQ**  
**VOR Rwy 31**

BAGHDAD Approach <b>127.7</b>		SULAIMANIYAH Tower <b>121.7</b>		
VOR SUL <b>117.0</b>	Final Apch Crs <b>310°</b>	No FAF	MDA(H) <b>2740'</b> (300')	Apt Elev 2492' Rwy 2440'



**MISSED APCH:** Climb on runway heading to 6500', then turn LEFT to join VOR at 8000', or as directed.

Alt Set: hPa    Rwy Elev: 86 hPa    Trans level: FL 160 **I**    Trans alt: 14000'



Gnd speed-Kts	70	90	100	120	140	160
Descent Angle 3.00°	372	478	531	637	743	849

HIALS REIL PAPI-L	<b>6500'</b>	Rwy hdg
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STRAIGHT-IN LANDING RWY 31		Max Kts.	CIRCLE-TO-LAND <b>I</b>	
MDA(H) <b>2740'</b> (300')			Not authorized East of airport	
A	ALS out	100	2890' (450')	1600m
B	1000m	135	2990' (550')	1600m
C		180	3090' (650')	2800m
D	1600m	205	3190' (750')	4000m

**I** Circling heights based on rwy 31 thresh elev of 2440'.

CHANGES: Communication. PAPI changed to PAPI-L.

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