

US DEPARTMENT of TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

STANDARD TERMINAL ARRIVAL (STAR)

Bearings, headings, courses, tracks and radials are magnetic. Elevations and altitudes are in feet. MSL. Altitudes are minimum altitudes unless otherwise indicated.

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

Arrival Name	Number	STAR Computer Code	Superseded Number	Dated	Effective Date
DRLLR (RNAV)	FIVE	MPORT.DRLLR5	FOUR	08 Jan 2015	26 MAY 2016

TRANSITION ROUTES:

Transition Name	Transition Computer Codes	From FIX/NAVAID	To FIX/NAVAID	Mag Course	Distance	MEA	MOCA	MAA	Crossing Altitudes / Fixes
COWBOY	CVE.DRLLR5	CVE VOR/DME	CVE VOR/DME						
			CHMPZ	163.31	20.00	8000	2400		
			TORNN	163.37	64.39	8000	2400		
			REFYN	149.27	17.12	6000	1900		
			OILL	149.35	17.84	6000	1800		AT/ABOVE FL240
			DPLAN	147.93	09.97	6000	1900		AT/ABOVE FL220
			SSTAX	147.98	10.00	6000	1900		BETWEEN FL200 AND FL240
			MPORT	148.02	15.00	6000	2200		BETWEEN 16000 AND FL190
DIESL	DIESL.DRLLR5	DIESL	DIESL						
			STOCK	093.20	47.50	6000	3400		
			FFUEL	093.67	46.41	6000	2500		
			ARNNE	094.12	25.31	6000	2300		AT/ABOVE FL240
			PPUMP	094.38	11.28	6000	2100		AT/ABOVE FL220
			PPIPE	114.87	12.11	6000	2000		BETWEEN FL200 AND FL240
			MPORT	114.98	15.00	6000	3000		BETWEEN 16000 AND FL190
IEXY	IEXY.DRLLR5	IEXY	IEXY						
			BEANE	062.97	37.33	6000	2000		
			WUUDZ	095.19	14.50	6000	1900		AT/BELOW FL230
			MPORT	105.30	14.86	6000	3000		BETWEEN 16000 AND FL190
MILLSAP	MQP.DRLLR5	MQP VORTAC	MQP VORTAC						
			TORNN	130.30	104.50	8000	3000		
			REFYN	149.27	17.12	6000	1900		
			OILL	149.35	17.84	6000	1800		AT/ABOVE FL240
			DPLAN	147.93	09.97	6000	1900		AT/ABOVE FL220
			SSTAX	147.98	10.00	6000	1900		BETWEEN FL200 AND FL240
			MPORT	148.02	15.00	6000	2200		BETWEEN 16000 AND FL190
OILL	OILL.DRLLR5	OILL	OILL						AT/ABOVE FL240
			DPLAN	147.93	09.97	6000	1900		AT/ABOVE FL220

QUALITY
17
CHECKED

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Arrival Name DRLLR (RNAV)		Number FIVE		STAR Computer Code MPORT.DRLLR5		Superseded Number FOUR			Dated 08 Jan 2015	Effective Date 26 MAY 2016
Transition Name	Transition Computer Codes	From FIX/NAVAID	To FIX/NAVAID	Mag Course	Distance	MEA	MOCA	MAA	Crossing Altitudes / Fixes	
			SSTAX	147.98	10.00	6000	1900		BETWEEN FL200 AND FL240	
			MPORT	148.02	15.00	6000	2200		BETWEEN 16000 AND FL190	
TORNN	TORNN.DRLLR5	TORNN	TORNN							
			REFYN	149.27	17.12	6000	1900			
			OILL	149.35	17.84	6000	1800		AT/ABOVE FL240	
			DPLAN	147.93	09.97	6000	1900		AT/ABOVE FL220	
			SSTAX	147.98	10.00	6000	1900		BETWEEN FL200 AND FL240	
			MPORT	148.02	15.00	6000	2200		BETWEEN 16000 AND FL190	

ARRIVAL ROUTE DESCRIPTION:

FROM MPORT ON TRACK 136.48/10.61 TO CROSS DRLLR BETWEEN 13000 AND 16000 AND AT 250 KIAS (MEA 6000/MOCA 2200), THEN ON TRACK 137.01/9.94 TO CROSS PTROL BETWEEN 11000 AND 13000 (MEA 5000/MOCA 1900), THEN ON TRACK 137.13/10.71 TO CROSS DOMNO BETWEEN 8000 AND 10000 AND AT 240 KIAS (MEA 3000/MOCA 1700).

LANDING RWY 26L: FROM DOMNO ON TRACK 087.02/10.07 TO CROSS ZOEER AT 7000 AND AT 210 KIAS (MEA 3000/MOCA 1700), THEN ON TRACK 087.02. EXPECT VECTORS TO FINAL APPROACH COURSE.

LANDING RWY 26R: FROM DOMNO ON TRACK 086.92/13.36 TO CROSS SKLER AT 6000 AND AT 210 KIAS (MEA 3000/MOCA 1700), THEN ON TRACK 086.92. EXPECT VECTORS TO FINAL APPROACH COURSE.

LANDING RWY 27: FROM DOMNO ON TRACK 136.01/8.93 TO CROSS BYSUN AT 6000 (MEA 3000/MOCA 1500), THEN ON TRACK 136.07/6.98 TO SMOCR (MEA 3000/MOCA 1500), THEN ON TRACK 087.21/4.84 TO CROSS PRAYY AT 6000 AND AT 210 KIAS (MEA 3000/MOCA 1600), THEN ON TRACK 087.21. EXPECT VECTORS TO FINAL APPROACH COURSE.

PROCEDURAL DATA NOTES:

NOTE: RADAR REQUIRED

NOTE: RNAV 1

NOTE: DME/DME/IRU OR GPS REQUIRED

CHART: CROSS OILL AT 280 KIAS. CROSS MPORT AT 280 KIAS. CROSS ARNNE AT 280 KIAS. CROSS WUUDZ AT 280 KIAS.

NOTE: Turbojet and turboprop aircraft capable of 280 KIAS or greater only.

NOTE: Fly the Runway 26R transition; Houston Approach control may assign a different transition on initial contact.

NOTE: CORRESPONDING RNAV STAR IS GUSHR. EXPECT GUSHR WHEN IAH IS LANDING EAST.

NOTE: Turbojet aircraft descend via mach number until intercepting 280 knots. Maintain 280 knots until slowed by the STAR.

NOTE: ILEXY Transition for Austin Terminal Area departures only.

FIXES AND/OR HOLDING PATTERNS:

CHART HOLDING AT ARNNE (HOLD NW, RT, 134.93 INBOUND, 20 NM LEGS); CHART HOLDING AT DPLAN (HOLD NW, RT, 147.93 INBOUND, 10 NM LEGS); CHART HOLDING AT MPORT (HOLD NW, RT, 148.02 INBOUND, 10 NM LEGS); CHART HOLDING AT TORNN (HOLD N, RT, 163.37 INBOUND, 10 NM LEGS); CHART HOLDING AT CHMPZ (HOLD N, RT, 163.37 INBOUND, 10 NM LEGS)

COMMUNICATIONS:

HOUSTON APP CON

ATIS: IAH

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Arrival Name	Number	STAR Computer Code	Superseded Number	Dated	Effective Date
DRLLR (RNAV)	FIVE	MPORT.DRLLR5	FOUR	08 Jan 2015	26 MAY 2016

AIRPORTS SERVED:

GEORGE BUSH INTERCONTINENTAL/HOUSTON, HOUSTON, TX

LOST COMMUNICATIONS PROCEDURE:REMARKS:ADDITIONAL FLIGHT DATA:

REFERENCE MAGNETIC VARIATION = KIAH 03E/2015

CHANGES:

1. Added CHMPZ waypoint and holding to CVE enroute transition.
2. Added holding at TORNN.
3. Added chart note: ILEXY Transition for Austin Terminal Area departures only.
4. Amended propulson restriction chart note to: NOTE: TURBOJET AND TURBOPROP AIRCRAFT CAPABLE OF 280 KIAS OR GREATER ONLY.

REASONS:

- 1,2,3. To match the underlying Eastbound landing GUSHR RNAV STAR. Items added here already exist on the GUSHR.
4. Emphasizes the 280 KIAS speed restrictions in place on all enroute transions on this STAR.



US DEPARTMENT of TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

STAR (DATA RECORD)

Arrival Name DRLLR (RNAV)	Number FIVE	STAR Computer Code MPORT.DRLLR5	Superseded Number FOUR	Dated 08 Jan 2015	Effective Date 26 MAY 2016
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FIX/NAVAID	LAT/LONG	C	FO/FB	LEG TYPE	TC	DIST (NM)	ALTITUDE	SPEED	REMARKS
En Route Transition									
CVE VOR/DME	325325.13N / 0965414.27W	Y		IF					CVE.DRLLR5
CHMPZ	323356.77N / 0964838.22W	Y	FB	TF	166.31	20.00			
TORNN	313113.39N / 0963052.96W	Y	FB	TF	166.37	64.39			
REFYN	311601.85N / 0962135.24W	Y	FB	TF	152.27	17.12			
OILL	310011.08N / 0961157.14W	Y	FB	TF	152.35	17.84	AT/ABOVE FL240	AT 280K	
DPLAN	305127.10N / 0960619.54W	Y	FB	TF	150.93	09.97	AT/ABOVE FL220		
SSTAX	304241.12N / 0960041.85W	Y	FB	TF	150.98	10.00	FL200BFL240		
MPORT	302931.68N / 0955217.22W	Y	FB	TF	151.02	15.00	16000BFL190	AT 280K	
En Route Transition									
DIESL	305752.17N / 0985031.61W	Y		IF					DIESL.DRLLR5
STOCK	305232.02N / 0975539.24W	Y	FB	TF	096.20	47.50			
FFUEL	304656.61N / 0970208.41W	Y	FB	TF	096.67	46.41			
ARNNE	304344.68N / 0963300.25W	Y	FB	TF	097.12	25.31	AT/ABOVE FL240	AT 280K	
PPUMP	304216.94N / 0962001.60W	Y	FB	TF	097.38	11.28	AT/ABOVE FL220		
PPIPE	303635.80N / 0960737.15W	Y	FB	TF	117.87	12.11	FL200BFL240		
MPORT	302931.68N / 0955217.22W	Y	FB	TF	117.98	15.00	16000BFL190	AT 280K	
En Route Transition									
ILEXY	302110.00N / 0970445.46W	Y		IF					ILEXY.DRLLR5
BEANE	303618.52N / 0962514.77W	Y	FB	TF	065.97	37.33			
WUUDZ	303413.26N / 0960836.97W	Y	FB	TF	098.19	14.50	AT/BELOW FL230	AT 280K	
MPORT	302931.68N / 0955217.22W	Y	FB	TF	108.30	14.86	16000BFL190	AT 280K	
En Route Transition									
MQP VORTAC	324334.25N / 0975950.79W	Y		IF					MQP.DRLLR5
TORNN	313113.39N / 0963052.96W	Y	FB	TF	133.30	104.50			
REFYN	311601.85N / 0962135.24W	Y	FB	TF	152.27	17.12			
OILL	310011.08N / 0961157.14W	Y	FB	TF	152.35	17.84	AT/ABOVE FL240	AT 280K	

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FIX/NAVAID	LAT/LONG	C	FO/FB	LEG TYPE	TC	DIST (NM)	ALTITUDE	SPEED	REMARKS
DPLAN	305127.10N / 0960619.54W	Y	FB	TF	150.93	09.97	AT/ABOVE FL220		
SSTAX	304241.12N / 0960041.85W	Y	FB	TF	150.98	10.00	FL200BFL240		
MPORT	302931.68N / 0955217.22W	Y	FB	TF	151.02	15.00	16000BFL190	AT 280K	
En Route Transition									
OILLL	310011.08N / 0961157.14W	Y		IF			AT/ABOVE FL240	AT 280K	OILLL.DRLLR5
DPLAN	305127.10N / 0960619.54W	Y	FB	TF	150.93	09.97	AT/ABOVE FL220		
SSTAX	304241.12N / 0960041.85W	Y	FB	TF	150.98	10.00	FL200BFL240		
MPORT	302931.68N / 0955217.22W	Y	FB	TF	151.02	15.00	16000BFL190	AT 280K	
En Route Transition									
TORNN	313113.39N / 0963052.96W	Y		IF					TORNN.DRLLR5
REFYN	311601.85N / 0962135.24W	Y	FB	TF	152.27	17.12			
OILLL	310011.08N / 0961157.14W	Y	FB	TF	152.35	17.84	AT/ABOVE FL240	AT 280K	
DPLAN	305127.10N / 0960619.54W	Y	FB	TF	150.93	09.97	AT/ABOVE FL220		
SSTAX	304241.12N / 0960041.85W	Y	FB	TF	150.98	10.00	FL200BFL240		
MPORT	302931.68N / 0955217.22W	Y	FB	TF	151.02	15.00	16000BFL190	AT 280K	
Common Route									
MPORT	302931.68N / 0955217.22W	Y		IF			16000BFL190	AT 280K	MPORT.DRLLR5
DRLLR	302126.43N / 0954419.17W	Y	FB	TF	139.48	10.61	13000B16000	AT 250K	
PTROL	301348.04N / 0953656.64W	Y	FB	TF	140.01	09.94	11000B13000		
DOMNO	300533.28N / 0952901.63W	Y	FB	TF	140.13	10.71	8000B10000	AT 240K	
Runway Transition									
DOMNO	300533.28N / 0952901.63W	Y		IF			8000B10000	AT 240K	
ZOEEO	300532.56N / 0951725.16W	Y	FO	TF	090.02	10.07	AT 7000	AT 210K	
KIAH:RWY 26L				FM	090.02				RECOMMENDED NAVAID: AEX VORTAC

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DRLLR (RNAV)	FIVE	MPORT.DRLLR5	FOUR	08 Jan 2015	26 MAY 2016

FIX/NAVAID	LAT/LONG	C	FO/FB	LEG TYPE	TC	DIST (NM)	ALTITUDE	SPEED	REMARKS
Runway Transition									
DOMNO	300533.28N / 0952901.63W	Y		IF			8000B10000	AT 240K	
SKLER	300533.56N / 0951337.25W	Y	FO	TF	089.92	13.36	AT 6000	AT 210K	
KIAH:RWY 26R				FM	089.92				RECOMMENDED NAVAID: AEX VORTAC

Runway Transition									
DOMNO	300533.28N / 0952901.63W	Y		IF			8000B10000	AT 240K	
BYSUN	295847.55N / 0952216.85W	Y	FB	TF	139.01	08.93	AT 6000		
SMOCR	295330.49N / 0951701.42W	Y	FB	TF	139.07	06.98			
PRAYY	295329.33N / 0951127.36W	Y	FO	TF	090.21	04.84	AT 6000	AT 210K	
KIAH:RWY 27				FM	090.21				RECOMMENDED NAVAID: AEX VORTAC

