

US Department of Transportation  
Federal Aviation Administration

## STAR - Standard Terminal Arrival

1. Bearings, headings, courses and radials are listed to the nearest hundredth (e.g. 360.00)
2. Distances are in nautical miles to nearest hundredth (e.g. 00.00)
3. Altitudes are minimum altitudes unless otherwise indicated

### (1) Transition Routes

(a) Transition Name	(b) Transition Computer Codes	(c) From RNAV WP / FIX / NAVAID	(d) To RNAV WP / FIX / NAVAID	(e) Mag Course / Distance	(f) MEA	(g) MOCA	(h) MAA	(i) Crossing Altitudes / Fixes
HNKER	HNKER.NANDR1	HNKER	HNKER DEDWT ZORDA GUMMP GREGS	068.63/56.48 104.51/45.71 104.87/32.00 105.16/18.00	10000 10000 10000 5000	3400 2800 2600 4000		AT/ABOVE FL240, AT/BELOW FL280 AT/ABOVE 15000, AT/BELOW 17000 AT/ABOVE 10000, AT/BELOW 11000
HYDES	HYDES.NANDR1	HYDES	HYDES GZNTA JTROE MASTY GREGS	133.17/22.10 133.33/10.44 133.41/18.46 133.54/21.10	10000 10000 10000 5000	2500 2300 2400 4000		AT/ABOVE FL240, AT/BELOW FL280 AT/ABOVE FL230 AT/ABOVE 16000 AT/ABOVE 10000, AT/BELOW 11000
NUKLZ	NUKLZ.NANDR1	NUKLZ	NUKLZ MUSLS GREGS	174.06/31.99 174.35/18.00	10000 5000	2700 4000		AT/ABOVE FL240, AT/BELOW FL280 AT/ABOVE 15000, AT/BELOW 17000 AT/ABOVE 10000, AT/BELOW 11000
STNLI	STNLI.NANDR1	STNLI	STNLI					

(2) **Arrival Route Description:** FROM GREGS ON TRACK 116.49/15.61 TO CROSS GUUCH AT OR BELOW 8000 AND AT 250 KIAS (MEA 4000), THEN ON TRACK 116.46/3.26 TO CROSS NANDR AT OR BELOW 6000 AND AT 250 KIAS (MEA 4000), THEN ON TRACK 115.04/9.78 TO CROSS CROEW AT 5000 AND AT 250 KIAS (MEA 3000), THEN ON TRACK 115.03/9.93 TO CROSS ROGRZ AT 4000 AND AT 250 KIAS (MEA 3000), THEN ON TRACK 157.43/7.00 TO SWYFT (MEA 3000), THEN ON TRACK 157.43. EXPECT RADAR VECTORS TO FINAL APPROACH COURSE.

### (3) Procedural Data Notes:

NOTE: RADAR REQUIRED.

NOTE: RNAV 1.

NOTE: DME/DME/IRU OR GPS REQUIRED.

NOTE: TURBOJET AIRCRAFT ONLY.

NOTE: CROSS BUROZ AT 280 KIAS. CROSS LNDUS AT 280 KIAS. CROSS GREGS AT 250 KIAS. CROSS ZORDA AT 280 KIAS. CROSS GUMMP AT 280 KIAS. CROSS GZNTA AT 280 KIAS. CROSS JTROE AT 280 KIAS. CROSS MASTY AT 280 KIAS. CROSS NUKLZ AT 280 KIAS. CROSS MUSLS AT 280 KIAS.

Continued on block 16...

(4) **Fixes and/or Holding Patterns:** CHART HOLDING AT POTZY: HOLD N, LT, 173.00 INBOUND, 10 NM LEGS. CHART HOLDING AT LNDUS: HOLD W, LT, 112.31 INBOUND, 10 NM LEGS. CHART HOLDING AT DEDWT: HOLD W, LT, 104.51 INBOUND, 10 NM LEGS. CHART JALIM AS A STAND-ALONE WAYPOINT.

(5) **Communications:** DAL ATIS, REGIONAL APP CON.

(6) Arrival Name NANDR RNAV	(7) Number ONE	(8) STAR Computer Code GREGS.NANDR1	(9) Superseded Nr. NONE	(10) Dated	(11) Effective Date <b>18 SEP 2014</b>
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<b>(12) Airports Served</b>					
<b>Airport Name</b>	DALLAS-LOVE FIELD	<b>City/State</b>	DALLAS, TX		
<b>Airport Name</b>		<b>City/State</b>			
<b>Airport Name</b>		<b>City/State</b>			
<b>Airport Name</b>		<b>City/State</b>			
<b>Airport Name</b>		<b>City/State</b>			
<b>Airport Name</b>		<b>City/State</b>			
<b>(13) Lost Communications Procedure:</b>					
<b>(14) Remarks:</b>					
<b>(15) Additional Flight Data:</b> DME/DME ASSESSMENT: SAT (RNP 2.0). REFERENCE MAGNETIC VARIATION: KDAL 06E/1990          					
<b>(6) Arrival Name</b> NANDR RNAV	<b>(7) Number</b> ONE	<b>(8) STAR Computer Code</b> GREGS.NANDR1	<b>(9) Superseded Nr.</b> NONE	<b>(10) Dated</b>	<b>(11) Effective Date</b> 18 SEP 2014

(16) Continuation:									
(1) Transition Routes									
(a) Transition Name	(b) Transition Computer Codes	(c) From RNAV WP / FIX / NAVAID	(d) To RNAV WP / FIX / NAVAID	(e) Mag Course / Distance	(f) MEA	(g) MOCA	(h) MAA	(i) Crossing Altitudes / Fixes	
TURKI	TURKI.NANDR1	TURKI WP	POTZY	111.45/51.47	10000	3200		AT/ABOVE FL240, AT/BELOW FL280 AT/ABOVE 15000, AT/BELOW 17000 AT/ABOVE 10000, AT/BELOW 11000	
			BUROZ	111.74/16.77	10000	3100			
			LNDUS	112.31/32.00	10000	2600			
			GREGS	112.62/18.00	5000	4000			
			TURKI						
			GANJA	091.99/40.52	10000	4400		AT/ABOVE FL240, AT/BELOW FL280 AT/ABOVE 15000, AT/BELOW 17000 AT/ABOVE 10000, AT/BELOW 11000	
			DEDWT	096.07/51.10	10000	3200			
			ZORDA	104.51/45.71	10000	2800			
			GUMMP	104.87/32.00	10000	2600			
GREGS	105.16/18.00	5000	4000						
(3) Procedural Data Notes: NOTE: FILE THIS PROCEDURE WHEN KDAL IS LANDING NORTH. NOTE: WHEN KDFW IS LANDING SOUTH, EXPECT THE JFRIE RNAV STAR.									
(17) Changes:									
(18) Reasons for Changes: 05/24/2014: THIS IS AN UPDATED COPY OF THE FORM DEVELOPED ON 01/24/2014. 1. ADDED ENROUTE HIGH TO REQUIRED CHARTING OF THE WAYPOINT HNKER. CODING CHANGED TO REFLECT THIS CHARTING.									
(6) Arrival Name NANDR RNAV	(7) Number ONE	(8) STAR Computer Code GREGS.NANDR1	(9) Superseded Nr. NONE	(10) Dated	(11) Effective Date 18 SEP 2014				

US Department of Transportation Federal Aviation Administration					RNAV STAR (Data Record)					
(1) FIX/NAVAID	(2) LAT/LONG	(3) C	(4) FO/FB	(5) LEG	(6) TC	(7) DIST	(8) ALTITUDE	(9) SPEED	(10) REMARKS	
En Route Transition										
HNKER	334635.42N / 1002040.46W	Y		IF					HNKER.NANDR1	
DEDWT	340118.10N / 0991509.24W	Y	FB	TF	074.63	56.48				
ZORDA	334504.72N / 0982348.44W	Y	FB	TF	110.51	45.71	AT/ABOVE FL240 AT/BELOW FL280	AT 280K		
GUMMP	333334.38N / 0974801.55W	Y	FB	TF	110.87	32.00	AT/ABOVE 15000 AT/BELOW 17000	AT 280K		
GREGS	332702.19N / 0972757.80W	Y	FB	TF	111.16	18.00	AT/ABOVE 10000 AT/BELOW 11000	AT 250K		
En Route Transition										
HYDES	342154.28N / 0982418.19W	Y		IF					HYDES.NANDR1	
GZNTA	340508.00N / 0980654.34W	Y	FB	TF	139.17	22.10	AT/ABOVE FL240 AT/BELOW FL280	AT 280K		
JTROE	335711.91N / 0975843.79W	Y	FB	TF	139.33	10.44	AT/ABOVE FL230	AT 280K		
MASTY	334308.32N / 0974419.62W	Y	FB	TF	139.41	18.46	AT/ABOVE 16000	AT 280K		
GREGS	332702.19N / 0972757.80W	Y	FB	TF	139.54	21.10	AT/ABOVE 10000 AT/BELOW 11000	AT 250K		
En Route Transition										
NUKLZ	341706.71N / 0972747.43W	Y		IF			AT/ABOVE FL240 AT/BELOW FL280	AT 280K	NUKLZ.NANDR1	
(11) Arrival Name NANDR RNAV		(12) Number ONE		(13) STAR Computer Code GREGS.NANDR1			(14) Superseded Nr. NONE		(15) Dated	(16) Effective Date 18 SEP 2014

US Department of Transportation Federal Aviation Administration					RNAV STAR (Data Record)				
(1) FIX/NAVAID	(2) LAT/LONG	(3) C	(4) FO/FB	(5) LEG	(6) TC	(7) DIST	(8) ALTITUDE	(9) SPEED	(10) REMARKS
MUSLS	334504.16N / 0972749.94W	Y	FB	TF	180.06	31.99	AT/ABOVE 15000 AT/BELOW 17000	AT 280K	
GREGS	332702.19N / 0972757.80W	Y	FB	TF	180.35	18.00	AT/ABOVE 10000 AT/BELOW 11000	AT 250K	
En Route Transition									
STNLI	342247.59N / 0993318.75W	Y		IF					STNLI.NANDR1
POTZY	335849.35N / 0983823.48W	Y	FB	TF	117.45	51.47			
BUROZ	335058.86N / 0982034.38W	Y	FB	TF	117.74	16.77	AT/ABOVE FL240 AT/BELOW FL280	AT 280K	
LNDUS	333541.98N / 0974650.81W	Y	FB	TF	118.31	32.00	AT/ABOVE 15000 AT/BELOW 17000	AT 280K	
GREGS	332702.19N / 0972757.80W	Y	FB	TF	118.62	18.00	AT/ABOVE 10000 AT/BELOW 11000	AT 250K	
En Route Transition									
TURKI	341803.33N / 1010339.02W	Y		IF					TURKI.NANDR1
GANJA	341215.08N / 1001516.30W	Y	FB	TF	097.99	40.52			
DEDWT	340118.10N / 0991509.24W	Y	FB	TF	102.07	51.10			
ZORDA	334504.72N / 0982348.44W	Y	FB	TF	110.51	45.71	AT/ABOVE FL240 AT/BELOW FL280	AT 280K	
GUMMP	333334.38N / 0974801.55W	Y	FB	TF	110.87	32.00	AT/ABOVE 15000 AT/BELOW 17000	AT 280K	
(11) Arrival Name NANDR RNAV	(12) Number ONE	(13) STAR Computer Code GREGS.NANDR1		(14) Superseded Nr. NONE		(15) Dated		(16) Effective Date 18 SEP 2014	



US Department of Transportation Federal Aviation Administration				RNAV STAR (Data Record)						
(1) FIX/NAVAID	(2) LAT/LONG	(3) C	(4) FO/FB	(5) LEG	(6) TC	(7) DIST	(8) ALTITUDE	(9) SPEED	(10) REMARKS	
GREGS	332702.19N / 0972757.80W	Y	FB	TF	111.16	18.00	AT/ABOVE 10000 AT/BELOW 11000	AT 250K		
Common Route										
GREGS	332702.19N / 0972757.80W	Y		IF			AT/ABOVE 10000 AT/BELOW 11000	AT 250K	GREGS.NANDR1	
GUUCH	331837.11N / 0971215.16W	Y	FB	TF	122.49	15.61	AT/BELOW 8000	AT 250K		
NANDR	331651.83N / 0970858.22W	Y	FB	TF	122.46	03.26	AT/BELOW 6000	AT 250K		
CROEW	331148.34N / 0965859.26W	Y	FB	TF	121.04	09.78	AT 5000	AT 250K		
ROGRZ	330640.25N / 0964851.47W	Y	FB	TF	121.03	09.93	AT 4000	AT 250K		
SWYFT	325956.90N / 0964629.02W		FO	TF	163.43	07.00				
KDAL				FM	163.43					
(11) Arrival Name NANDR RNAV		(12) Number ONE		(13) STAR Computer Code GREGS.NANDR1			(14) Superseded Nr. NONE		(15) Dated	(16) Effective Date 18 SEP 2014

### STAR (Data Record)

ARINC PACKET - 424-18 - STAR

[illegible][illegible][illegible][illegible]

(11) <b>Arrival Name</b> NANDR RNAV	(12) <b>Number</b> ONE	(13) <b>STAR Computer Code</b> NANDR.NANDR1	(14) <b>Superseded Nr.</b> NONE	(15) <b>Dated</b>	(16) <b>Effective Date</b> 18 SEP 2014
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### STAR (Data Record)

[illegible]

(11) <b>Arrival Name</b> NANDR RNAV	(12) <b>Number</b> ONE	(13) <b>STAR Computer Code</b> NANDR.NANDR1	(14) <b>Superseded Nr.</b> NONE	(15) <b>Dated</b>	(16) <b>Effective Date</b> 18 SEP 2014
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**US Department of Transportation  
Federal Aviation Administration****STAR (Data Record)**

SUSAP KDALK4GRW36 0061473595 N32503065W096511852+0000 +0120200482000050150D

(11) Arrival Name	(12) Number	(13) STAR Computer Code	(14) Superseded Nr.	(15) Dated	(16) Effective Date
NANDR RNAV	ONE	NANDR.NANDR1	NONE		18 SEP 2014

**US Department of Transportation  
Federal Aviation Administration**
**STAR (Data Record)**

ARINC SUMMARY - 424-18 - STAR

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
	HNKER	HNKER	010		IF		FB					
	HNKER	DEDWT	020		TF		FB	1.0				
	HNKER	ZORDA	030		TF		FB	1.0			BT FL280FL240	AT 280
	HNKER	GUMMP	040		TF		FB	1.0			BT 1700015000	AT 280
	HNKER	GREGS	050		TF		FB	1.0			BT 1100010000	AT 250
	HYDES	HYDES	010		IF		FB					
	HYDES	GZNTA	020		TF		FB	1.0			BT FL280FL240	AT 280
	HYDES	JTROE	030		TF		FB	1.0			AA FL230	AT 280
	HYDES	MASTY	040		TF		FB	1.0			AA 16000	AT 280
	HYDES	GREGS	050		TF		FB	1.0			BT 1100010000	AT 250
	NUKLZ	NUKLZ	010		IF		FB				BT FL280FL240	AT 280
	NUKLZ	MUSLS	020		TF		FB	1.0			BT 1700015000	AT 280
	NUKLZ	GREGS	030		TF		FB	1.0			BT 1100010000	AT 250
	STNLI	STNLI	010		IF		FB					
	STNLI	POTZY	020		TF		FB	1.0				
	STNLI	BUROZ	030		TF		FB	1.0			BT FL280FL240	AT 280
	STNLI	LNDUS	040		TF		FB	1.0			BT 1700015000	AT 280
	STNLI	GREGS	050		TF		FB	1.0			BT 1100010000	AT 250
	TURKI	TURKI	010		IF		FB					
	TURKI	GANJA	020		TF		FB	1.0				
	TURKI	DEDWT	030		TF		FB	1.0				
	TURKI	ZORDA	040		TF		FB	1.0			BT FL280FL240	AT 280
	TURKI	GUMMP	050		TF		FB	1.0			BT 1700015000	AT 280
	TURKI	GREGS	060		TF		FB	1.0			BT 1100010000	AT 250
	ALL	GREGS	010		IF		FB				BT 1100010000	AT 250
	ALL	GUUCH	020		TF		FB	1.0			AB 08000	AT 250
	ALL	NANDR	030		TF		FB	1.0			AB 06000	AT 250
	ALL	CROEW	040		TF		FB	1.0			AT 05000	AT 250
	ALL	ROGRZ	050		TF		FB	1.0			AT 04000	AT 250
	ALL	SWYFT	060		TF		FO	1.0				
	ALL	SWYFT	070		FM		FB		157.4 ()			

## POINT DATA

## WAYPOINT

## LAT IN SECS

## LONG IN SECS

## LAT IN MINS

## LONG IN MINS

CVE	N325325.13	W0965414.27	N3253.419	W09654.238
BUROZ	N335058.86	W0982034.38	N3350.981	W09820.573
DEDWT	N340118.10	W0991509.24	N3401.302	W09915.154
GANJA	N341215.08	W1001516.30	N3412.251	W10015.272

(11)  
**Arrival Name**  
NANDR RNAV

(12)  
**Number**  
ONE

(13)  
**STAR Computer Code**  
NANDR.NANDR1

(14)  
**Superseded Nr.**  
NONE

(15)  
**Dated**

(16)  
**Effective Date**  
18 SEP 2014

**US Department of Transportation  
Federal Aviation Administration**
**STAR (Data Record)**

GREGS	N332702.19	W0972757.80	N3327.037	W09727.963
GUMMP	N333334.38	W0974801.55	N3333.573	W09748.026
GZNTA	N340508.00	W0980654.34	N3405.133	W09806.906
HNKER	N334635.42	W1002040.46	N3346.590	W10020.674
HYDES	N342154.28	W0982418.19	N3421.905	W09824.303
JTROE	N335711.91	W0975843.79	N3357.199	W09758.730
LNDUS	N333541.98	W0974650.81	N3335.700	W09746.847
MASTY	N334308.32	W0974419.62	N3343.139	W09744.327
NUKLZ	N341706.71	W0972747.43	N3417.112	W09727.791
POTZY	N335849.35	W0983823.48	N3358.823	W09838.391
STNLI	N342247.59	W0993318.75	N3422.793	W09933.313
TURKI	N341803.33	W1010339.02	N3418.056	W10103.650
ZORDA	N334504.72	W0982348.44	N3345.079	W09823.807
CROEW	N331148.34	W0965859.26	N3311.806	W09658.988
GUUCH	N331837.11	W0971215.16	N3318.619	W09712.253
MUSLS	N334504.16	W0972749.94	N3345.069	W09727.832
NANDR	N331651.83	W0970858.22	N3316.864	W09708.970
ROGRZ	N330640.25	W0964851.47	N3306.671	W09648.858
SWYFT	N325956.90	W0964629.02	N3259.948	W09646.484
RW13L	N325123.36	W0965121.20	N3251.389	W09651.353
RW13R	N325101.28	W0965144.41	N3251.021	W09651.740
RW18	N325131.18	W0965111.59	N3251.520	W09651.193
RW31L	N325002.51	W0965036.30	N3250.042	W09650.605
RW31R	N325031.35	W0965020.95	N3250.523	W09650.349
RW36	N325030.65	W0965118.52	N3250.511	W09651.309

**RUNWAY DATA**

RWY	THRESHOLD ELEVATION	TCH
RW13L	00480	40
RW13R	00476	48
RW18	00480	52
RW31L	00476	55
RW31R	00487	49
RW36	00482	50

(11)  
**Arrival Name**  
NANDR RNAV

(12)  
**Number**  
ONE

(13)  
**STAR Computer Code**  
NANDR.NANDR1

(14)  
**Superseded Nr.**  
NONE

(15)  
**Dated**

(16)  
**Effective Date**  
18 SEP 2014