

**Attachment B: Records of Changes to Final Design Submission
Packages**

North Texas OAPM Design Package

DFW SIDs, HUDAD, HRPER, KATZZ, ALIAN and WSTEX DFW RNAV SIDs

RECORD OF CHANGE

Change Number	Date	Document
002	01/17/2014	HUDAD, HRPER, KATZZ, ALIAN and WSTEX RNAV SIDs
Updated TARGETS File	Updated TARGETS Distro	Updated Associated Data Files (if any)
DFW HUDAD1 FD 20140109.tgs DFW ALIAN1 FD 20140109.tgs DFW WSTEX1 FD 20140109.tgs	TBD	N/A

Description of Change

After discussions between Dallas-Fort Worth TRACON (D10) and Fort Worth Air Route Traffic Control Center (ZFW) the following change was made under **Proposed Design**.

The sentence:

“West bound turbojet aircraft departing from the eastern satellite airports may be stacked above the DFW/DAL west bound departures, and west bound turbojet aircraft departing from the western satellite airports may be stacked below the DFW/DAL departures”

Was amended to read:

“West bound turbojet aircraft departing from DAL and the eastern satellite airports may be stacked above the DFW west bound departures, and west bound turbojet aircraft departing from the western satellite airports may be stacked below the DFW departures.”

On the ALIAN and WSTEX RNAV SIDs, OWWLL waypoint was renamed HOOTT waypoint due to a similar sounding waypoint on an adjacent procedure.

On the HUDAD RNAV SID, NUDIE waypoint was renamed BGLEE waypoint due to waypoint name reservation availability.

Figure 2 below replaced Figure 3 in the FD.

Figure 4 below replaced Figure 4 in the FD.

Figure 6 below replaced Figure 5 in the FD.

North Texas OAPM Design Package

DFW SIDs, HUDAD, HRPER, KATZZ, ALIAN and WSTEX DFW RNAV SIDs

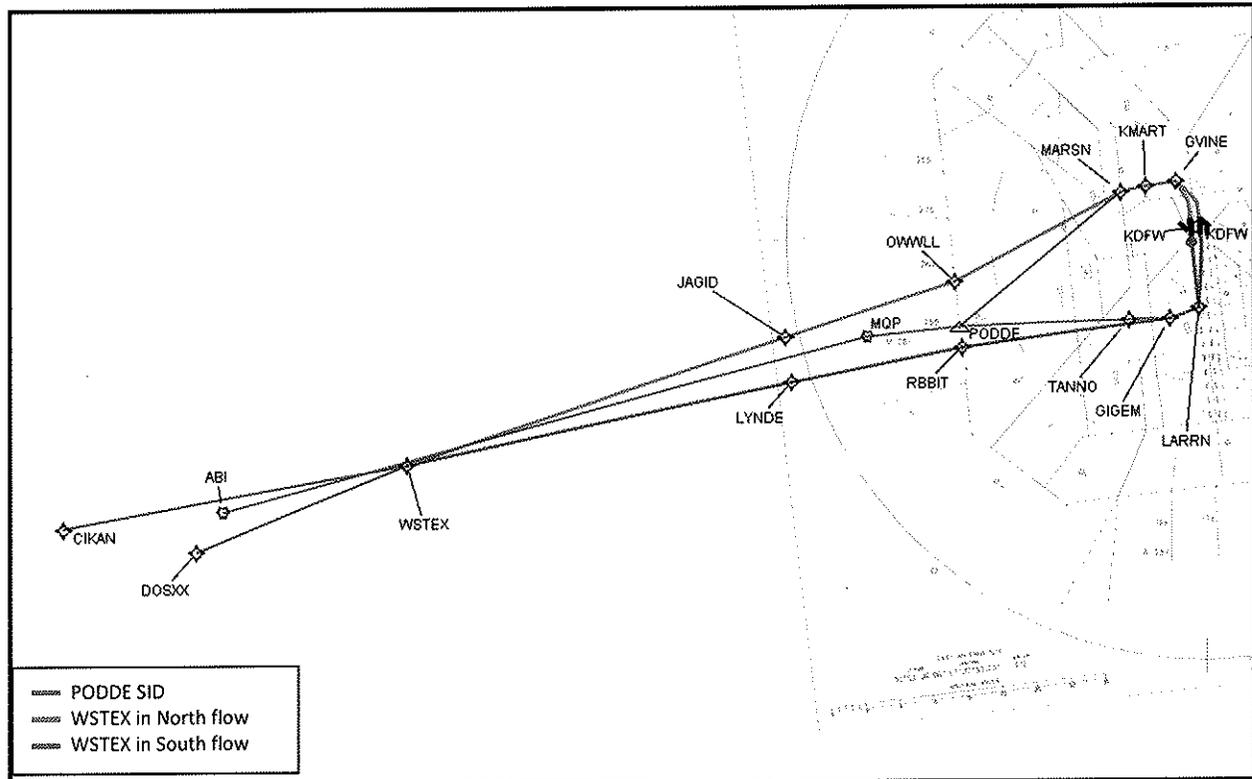


Figure 1. Proposed WSTEX RNAV SID and PODDE THREE RNAV SID (Figure 3 in the FD)

North Texas OAPM Design Package

DFW SIDs, HUDAD, HRPER, KATZZ, ALIAN and WSTEX DFW RNAV SIDs

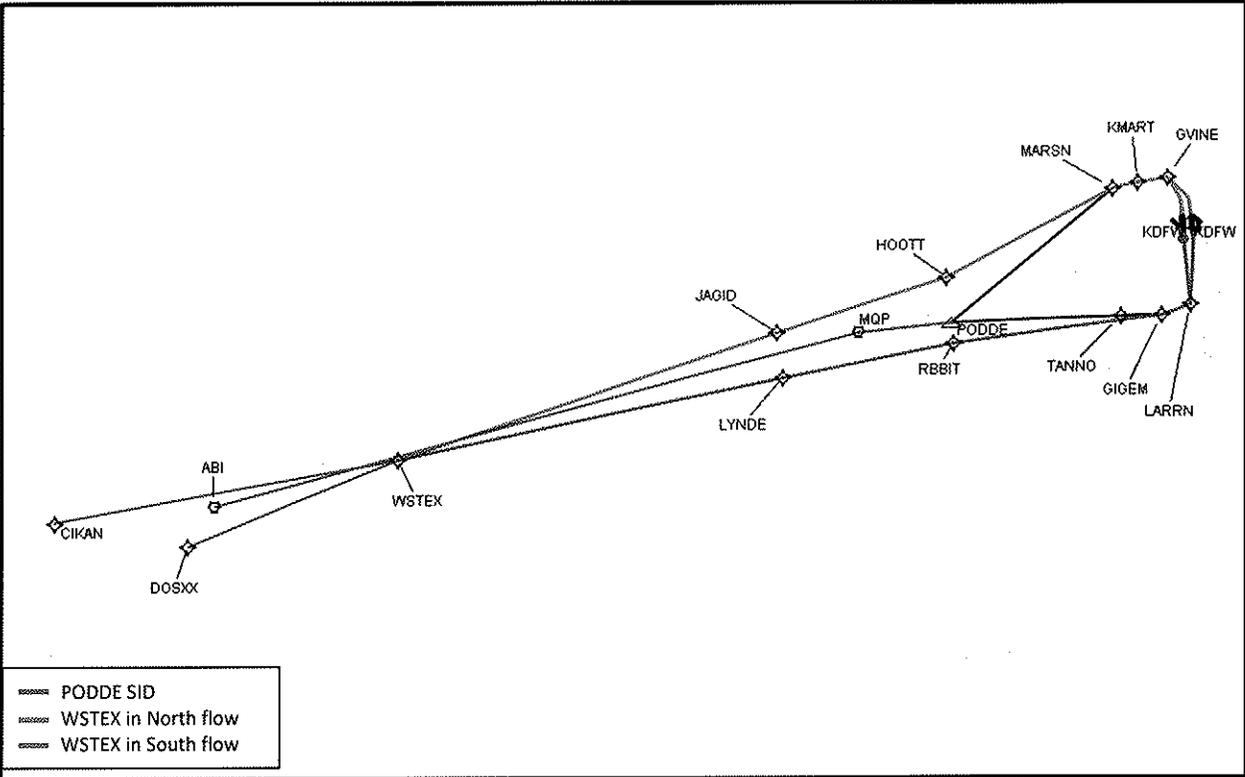


Figure 2. Proposed WSTEX RNAV SID and PODDE THREE RNAV SID (Will replace Figure 3 in the FD)

North Texas OAPM Design Package

DFW SIDs, HUDAD, HRPER, KATZZ, ALIAN and WSTEX DFW RNAV SIDs

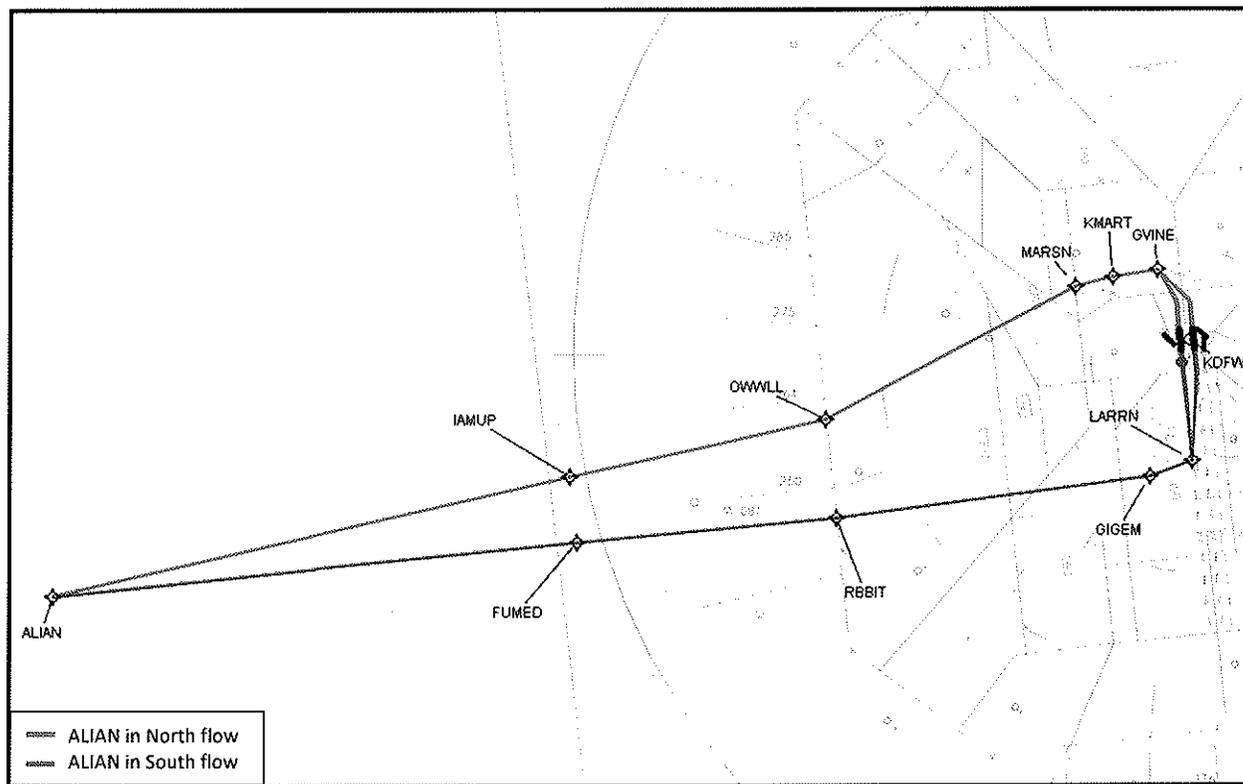


Figure 3. Proposed ALIAN RNAV SID (Figure 4 in the FD)

North Texas OAPM Design Package
DFW SIDs, HUDAD, HRPER, KATZZ, ALIAN and WSTEX DFW
RNAV SIDs

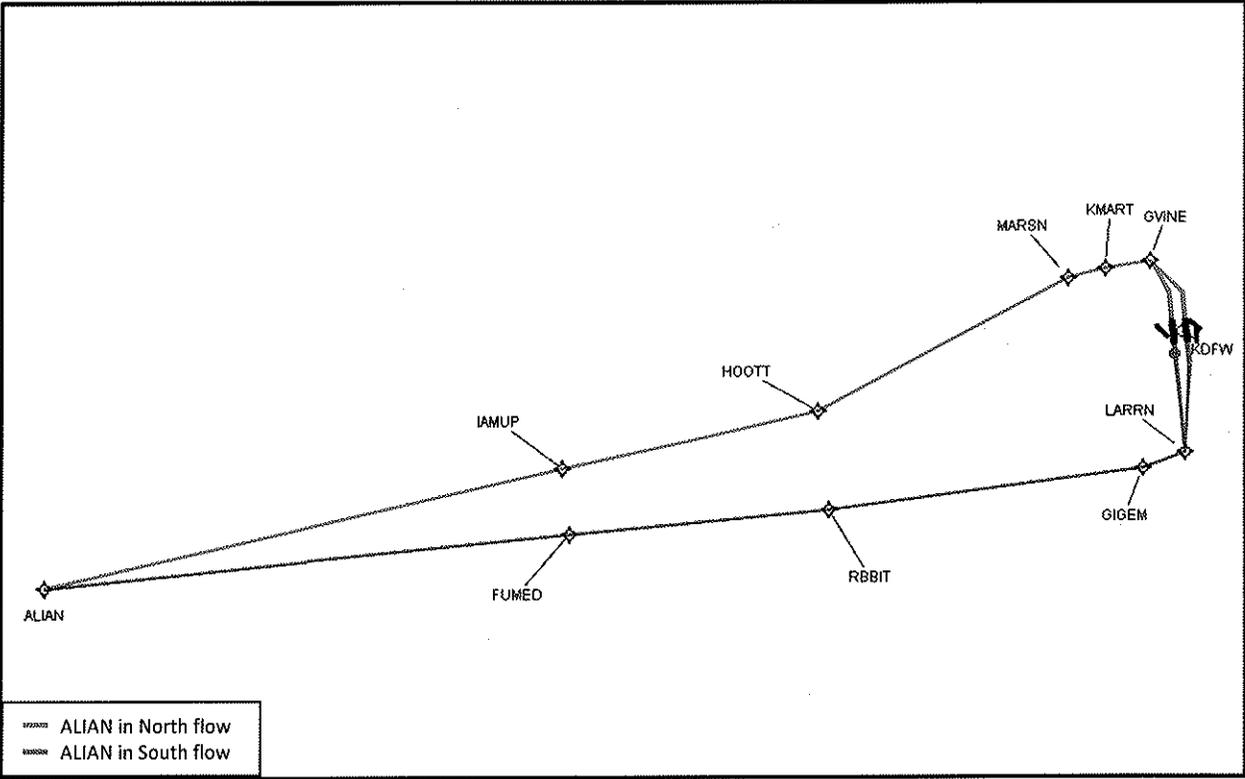


Figure 4. Proposed ALIAN RNAV SID (Will replace Figure 4 in the FD)

North Texas OAPM Design Package

DFW SIDs, HUDAD, HRPER, KATZZ, ALIAN and WSTEX DFW RNAV SIDs

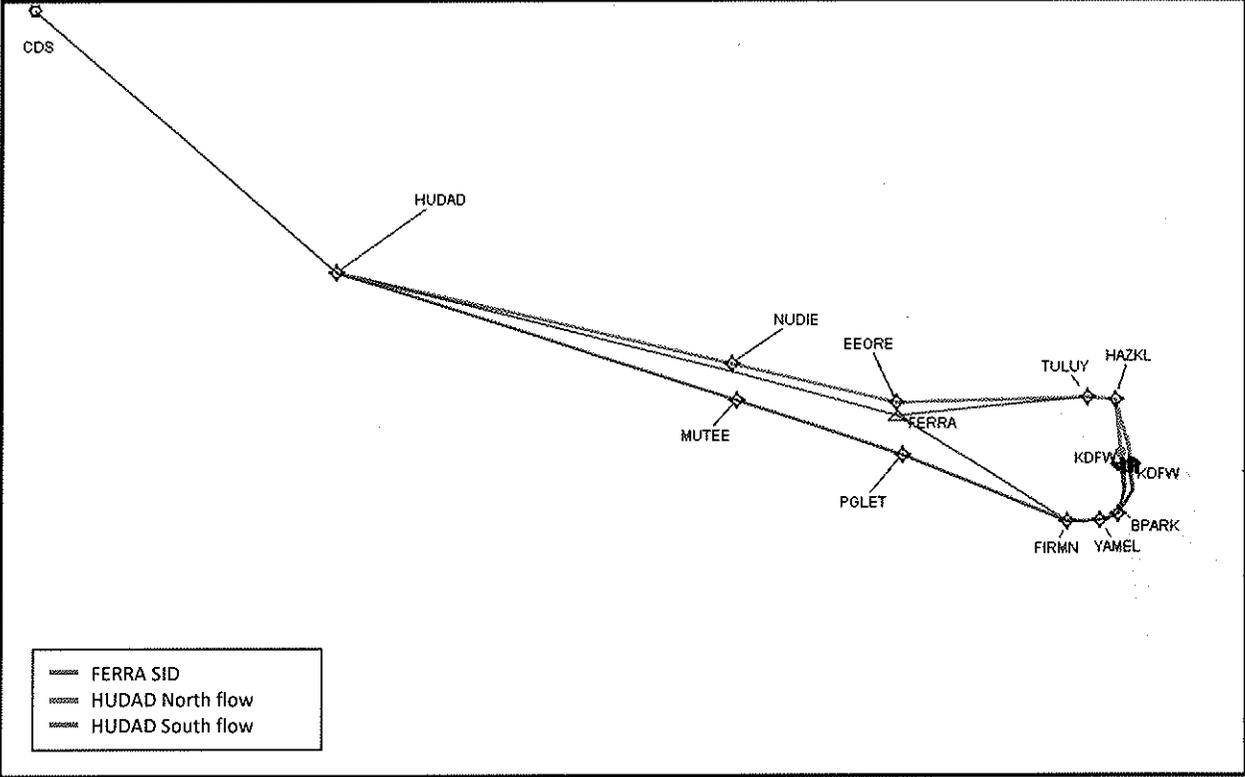


Figure 5. Proposed HUDAD RNAV SID and FERRA FOUR RNAV SID (Figure 5 in the FD)

North Texas OAPM Design Package
DFW SIDs, HUDAD, HRPER, KATZZ, ALIAN and WSTEX DFW
RNAV SIDs

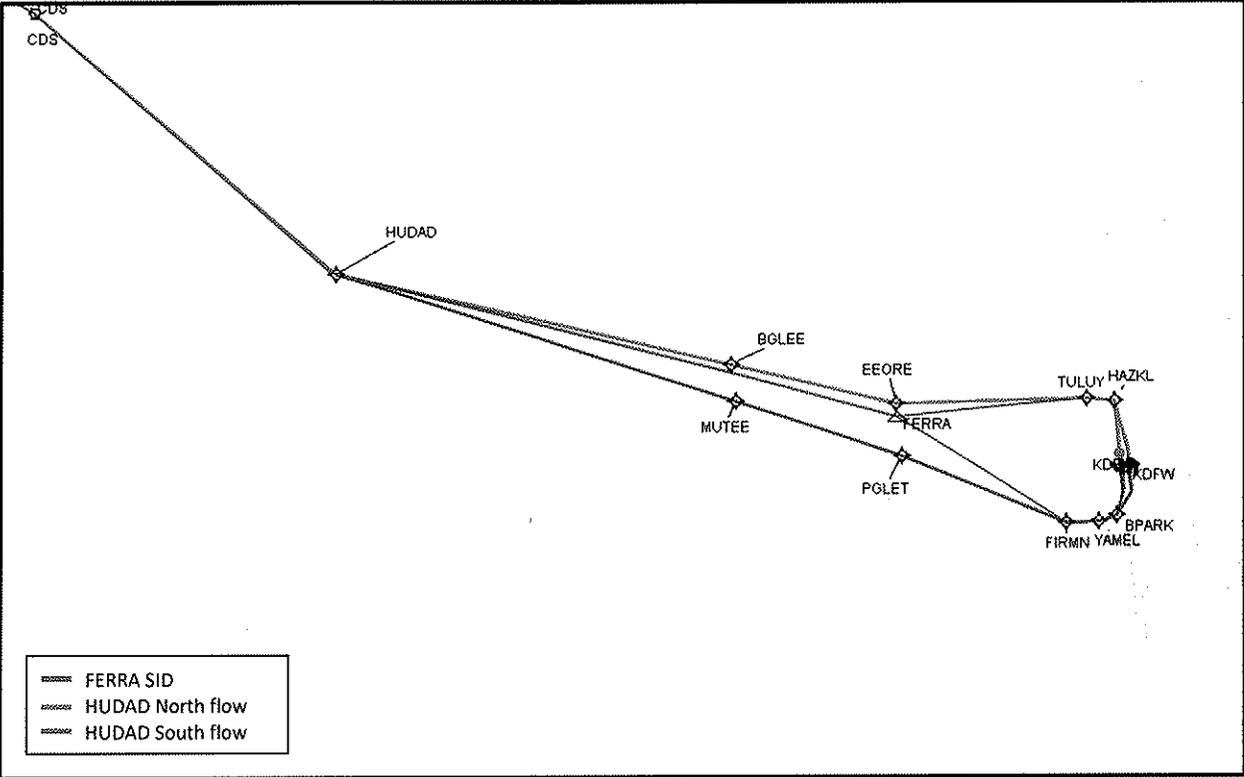


Figure 6. Proposed HUDAD RNAV SID and FERRA FOUR RNAV SID (Will replace Figure 5 in the FD)

North Texas OAPM Design Package

DFW SIDs, HUDAD, HRPER, KATZZ, ALIAN and WSTEX DFW RNAV SIDs

Design Team Lead's signatures indicate the appropriate coordination with any concerned parties has been conducted with regards to the changes/amendments listed on this document.



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North Texas OAPM Design Package

DFW SIDs, ARDIA, DARTZ, JASPA and NELYN DFW RNAV SIDs

RECORD OF CHANGE

Change Number	Date	Document
002	01/17/2014	ARDIA, DARTZ, JASPA and NELYN RNAV SIDs
Updated TARGETS File	Updated TARGETS Distro	Updated Associated Data Files (if any)
DARTZ RNAV 20131204.tgs	TBD	N/A

Description of Change

On the DARTZ RNAV SID, KALEB waypoint was renamed OUTTR waypoint due to waypoint name reservation availability.

Figure 2 below replaced Figure 2 in the FD.

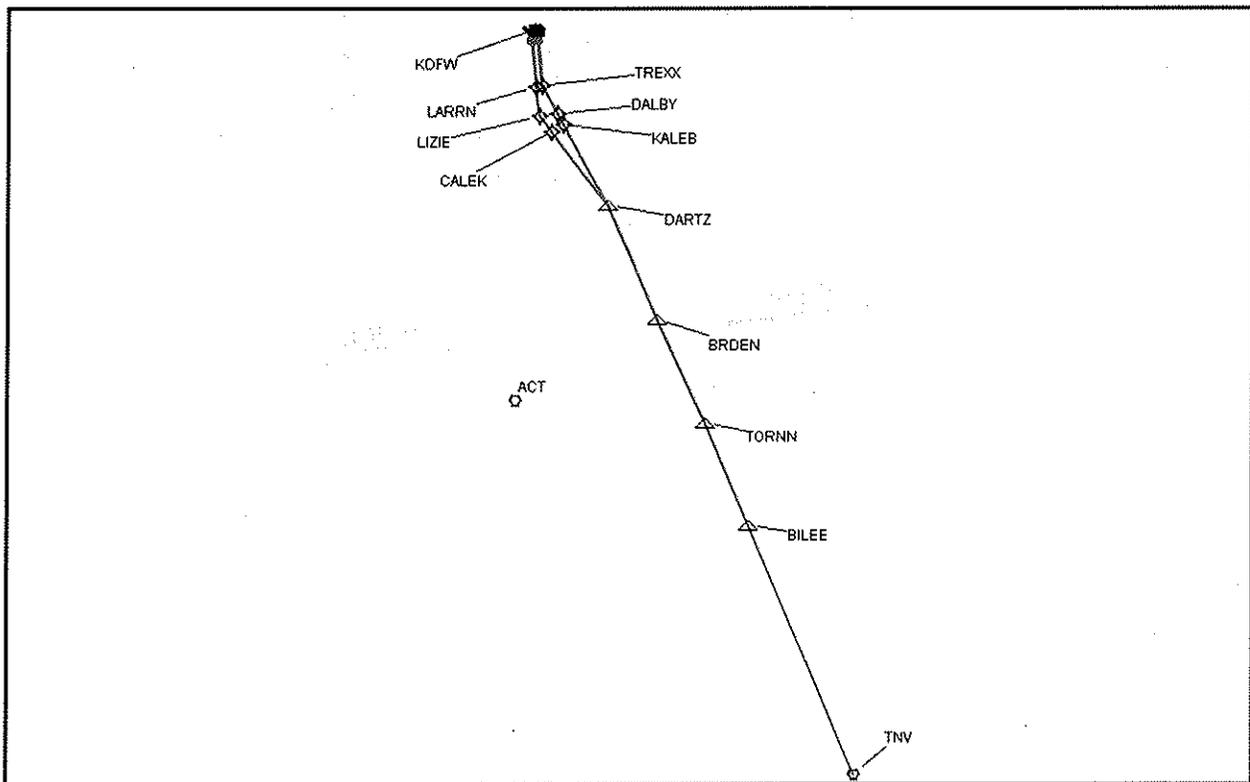


Figure 1. Proposed DARTZ FIVE RNAV SID (Figure 2 in FD)

North Texas OAPM Design Package

DFW SIDs, ARDIA, DARTZ, JASPA and NELYN DFW RNAV SIDs

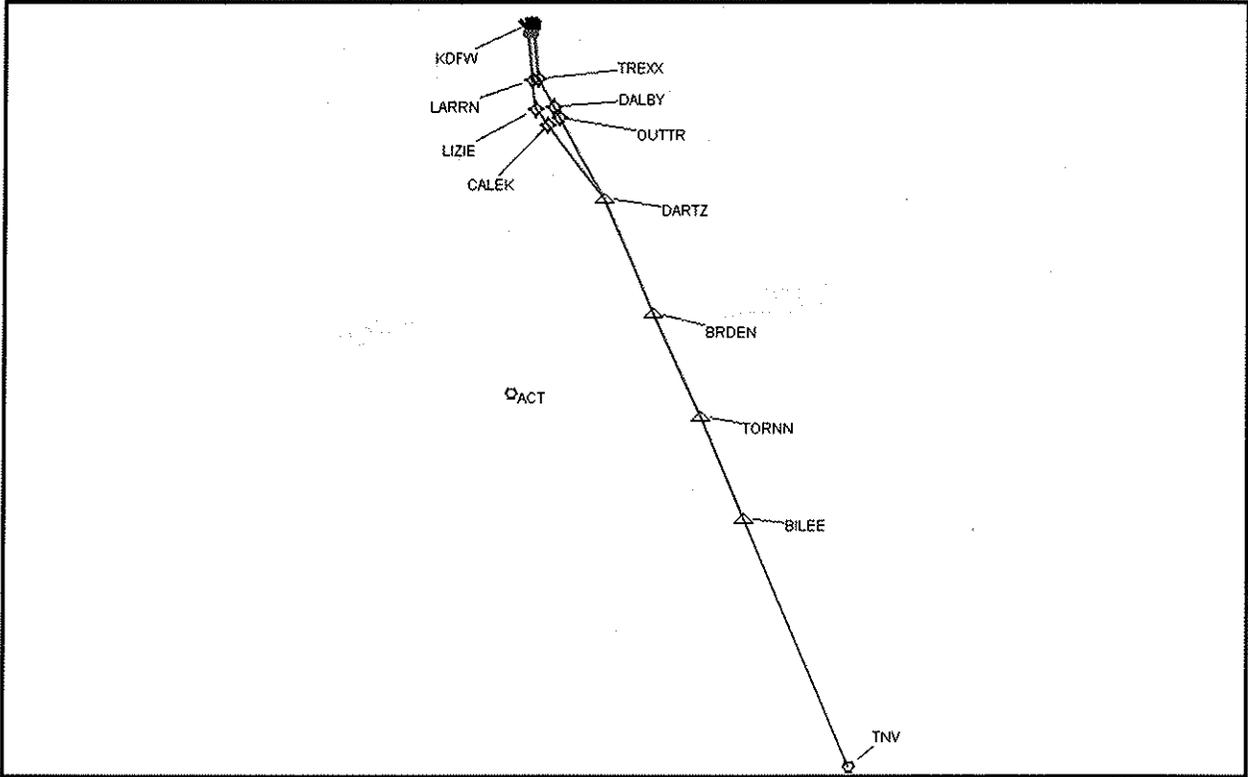


Figure 2. Proposed DARTZ FIVE RNAV SID (Will replace Figure 2 of FD)

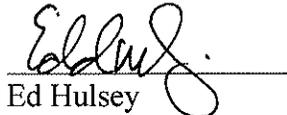
North Texas OAPM Design Package
DFW SIDs, ARDIA, DARTZ, JASPA and NELYN DFW RNAV
SIDs

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North Texas OAPM Design Package

DAL STARs, BACHR and NRTAY DAL RNAV STARs

RECORD OF CHANGE

Change Number	Date	Document
002	05/05/2014	BACHR and NRTAY RNAV STARs
Updated TARGETS File	Updated TARGETS Distro	Updated Associated Data Files (if any)
DAL BACHR1 FD 20140502.tgs DAL NRTAY1 FD 20140502.tgs	TBD	N/A

Description of Change

On the BACHR RNAV STAR in Figure 3 a holding pattern was added to SHLLY waypoint, and the AGAIN waypoint was deleted.

On the NRTAY RNAV STAR in Figure 3 a holding pattern was added to SHLLY waypoint.

These changes are due to errors on the TARGETS files initially used.

Figure 2 below replaced Figure 3 in the PFD.

Figure 4 below replaced Figure 4 in the PFD.

North Texas OAPM Design Package

DAL STARs, BACHR and NRTAY DAL RNAV STARs

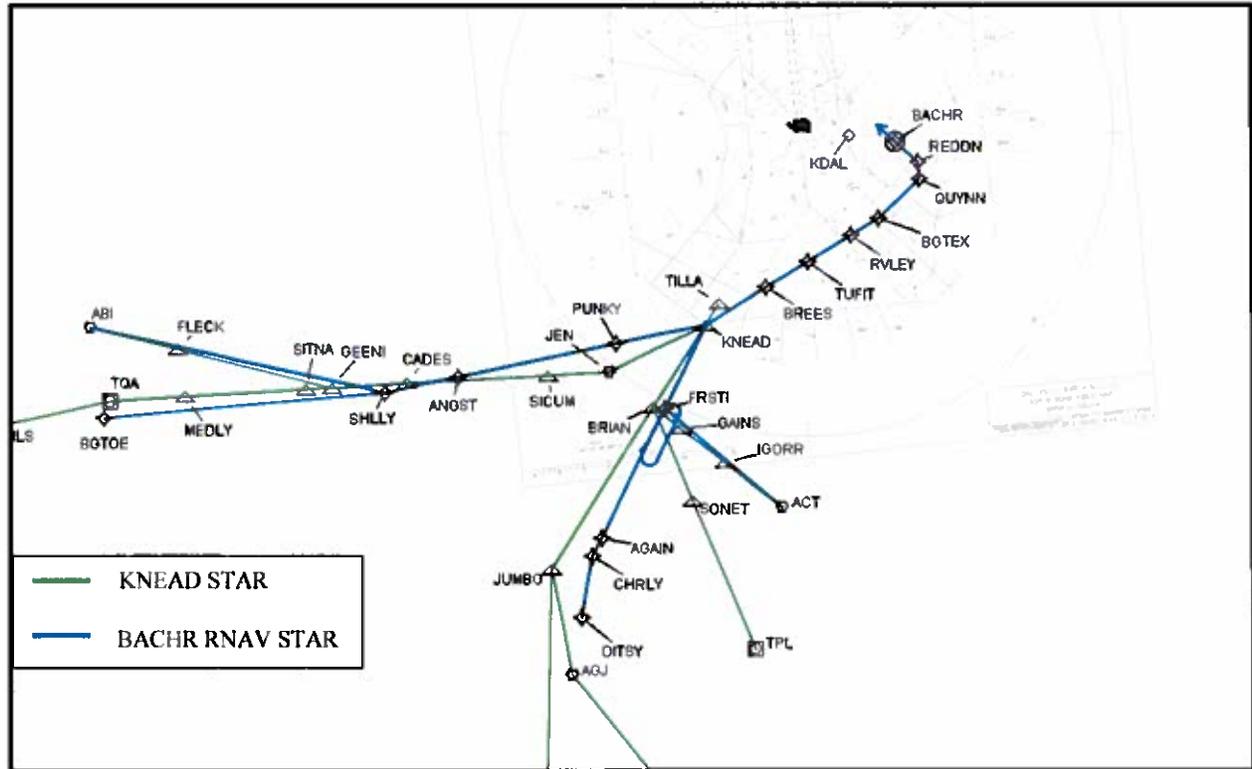


Figure 1. Proposed BACHR RNAV STAR and KNEAD STAR (Figure 3 in PFD)

North Texas OAPM Design Package

DAL STARs, BACHR and NRTAY DAL RNAV STARs

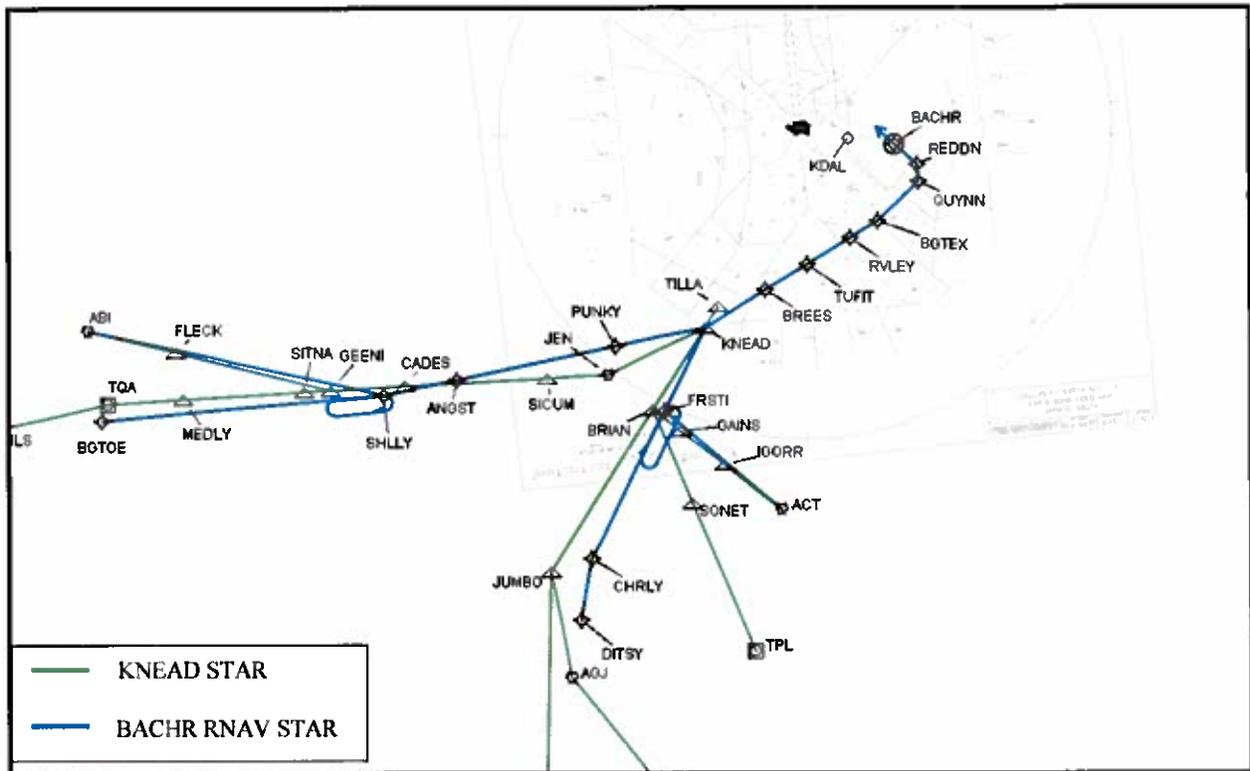


Figure 2. Proposed BACHR RNAV STAR and KNEAD STAR (Will replace Figure 3 of PFD)

North Texas OAPM Design Package

DAL STARs, BACHR and NRTAY DAL RNAV STARs

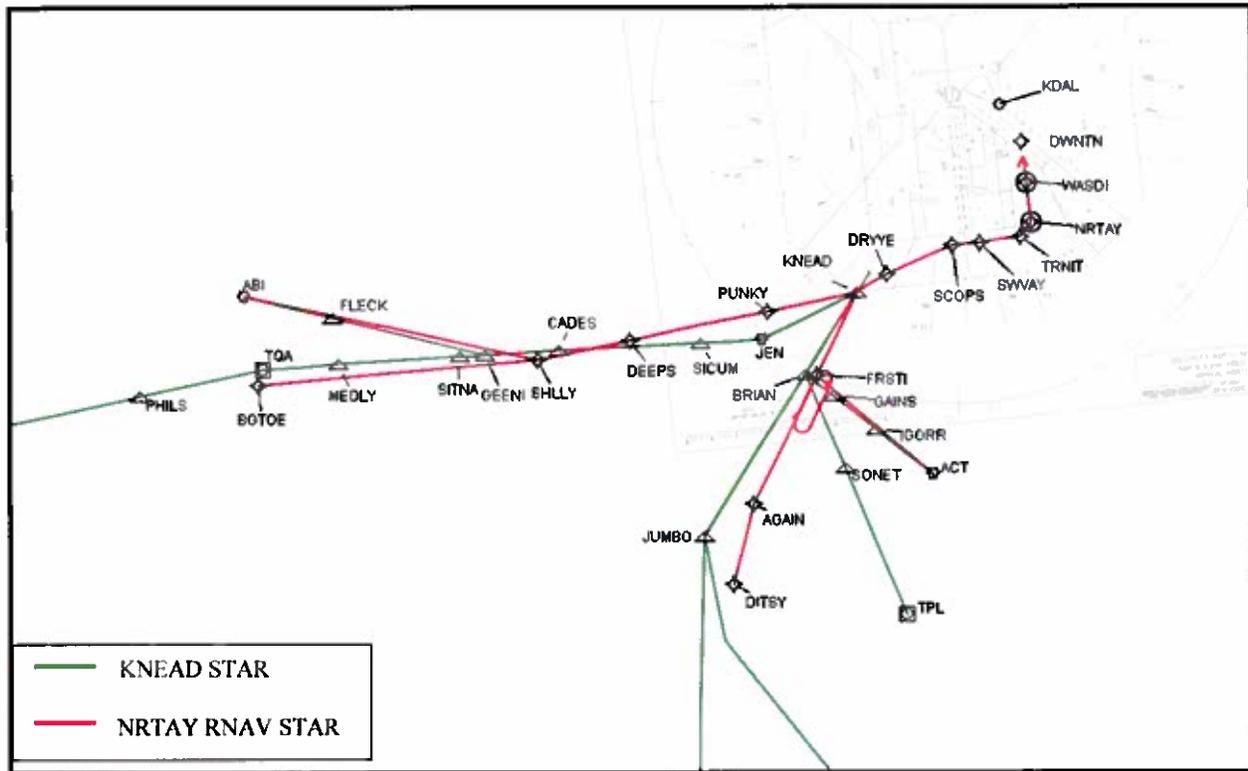


Figure 3. Proposed NRTAY RNAV STAR and KNEAD STAR (Figure 4 in PFD)

North Texas OAPM Design Package

DAL STARs, BACHR and NRTAY DAL RNAV STARs

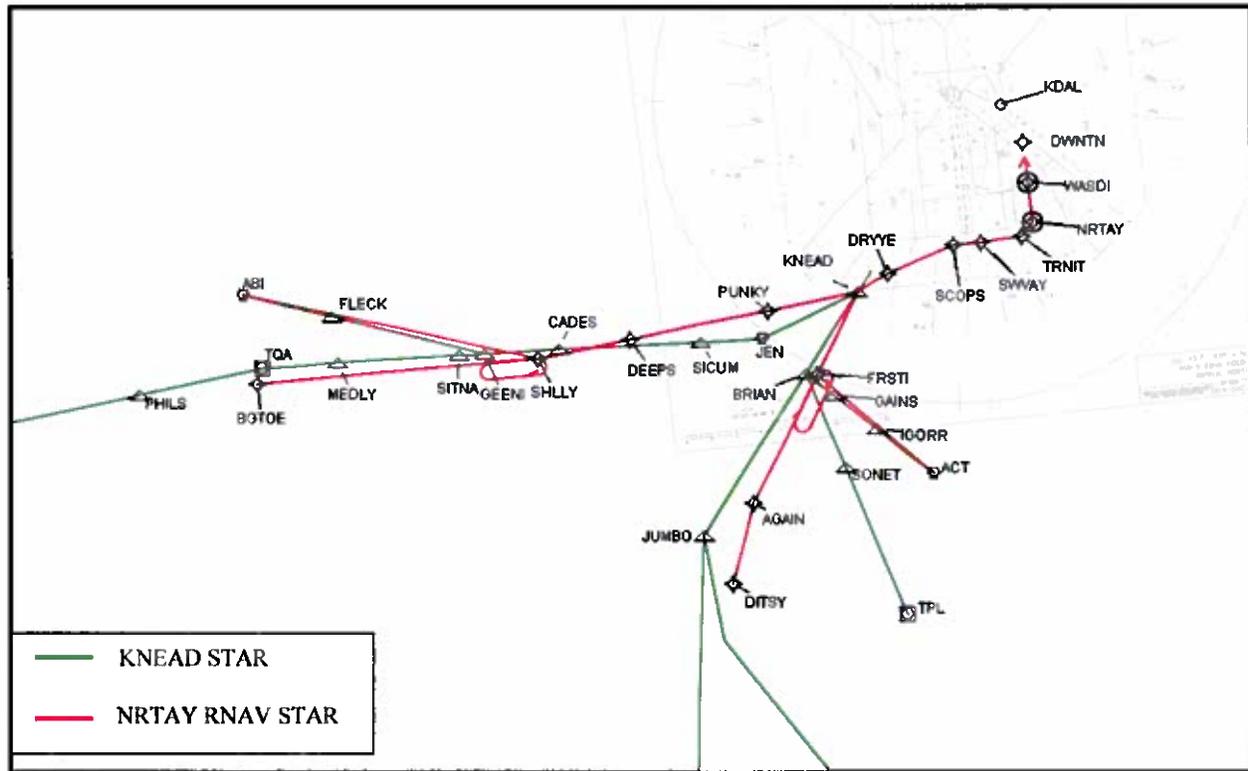


Figure 4. Proposed NRTAY RNAV STAR and KNEAD STAR (Will replace Figure 4 of PFD)

North Texas OAPM Design Package

DAL STARS, BACHR and NRTAY DAL RNAV STARS

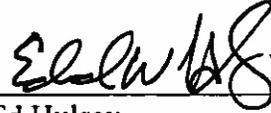
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DFW STARs, BOOVE and SOCKK RNAV STARs

RECORD OF CHANGE

Change Number	Date	Document
003	01/17/2014	BOOVE and SOCKK RNAV STARs
Updated TARGETS File	Updated TARGETS Distro	Updated Associated Data Files (if any)
DFW SOCKK1 FD 20131220.tgs	TBD	N/A

Description of Change

On the SOCKK RNAV STAR, FEEFE waypoint was renamed WERMO waypoint due to waypoint name reservation availability.

Figure 2 below replaced Figure 3 in the FD.

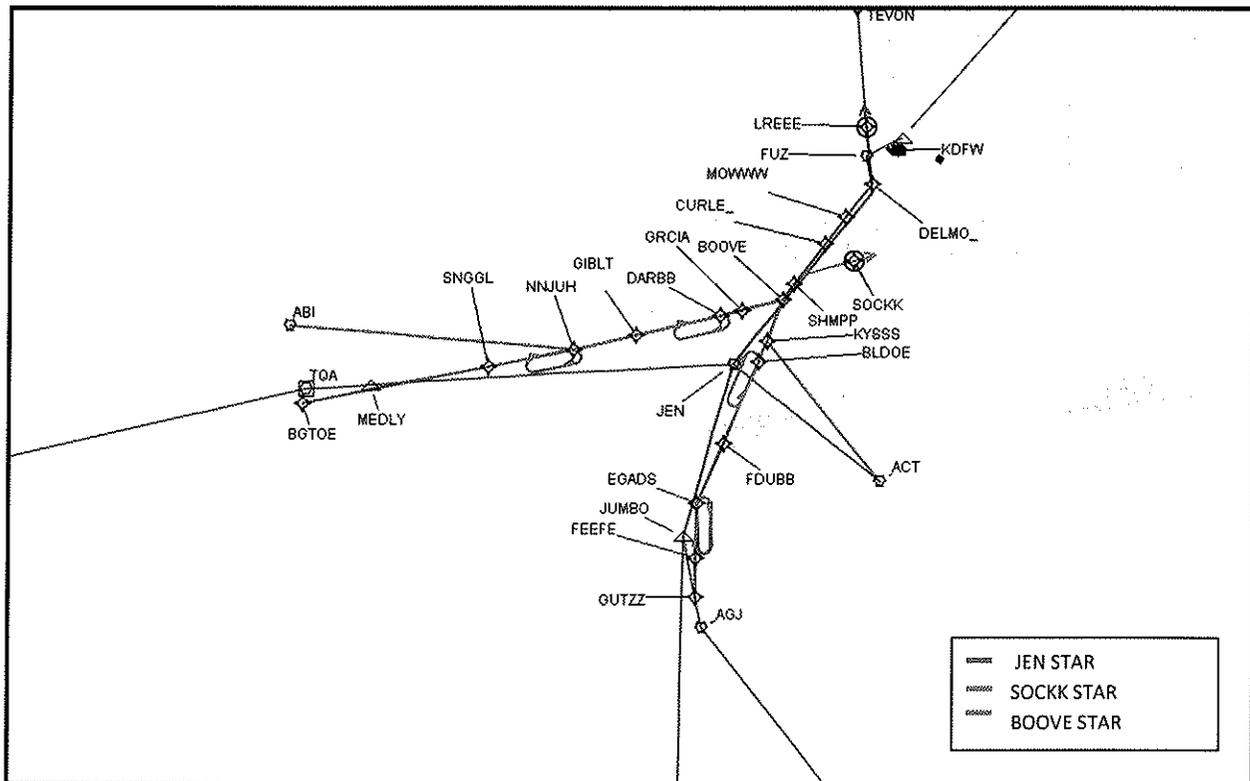


Figure 1. Proposed BOOVE and SOCKK RNAV STARs and JEN STAR (Figure 3 in FD)

North Texas OAPM Design Package

DFW STARS, BOOVE and SOCKK DFW RNAV STARS

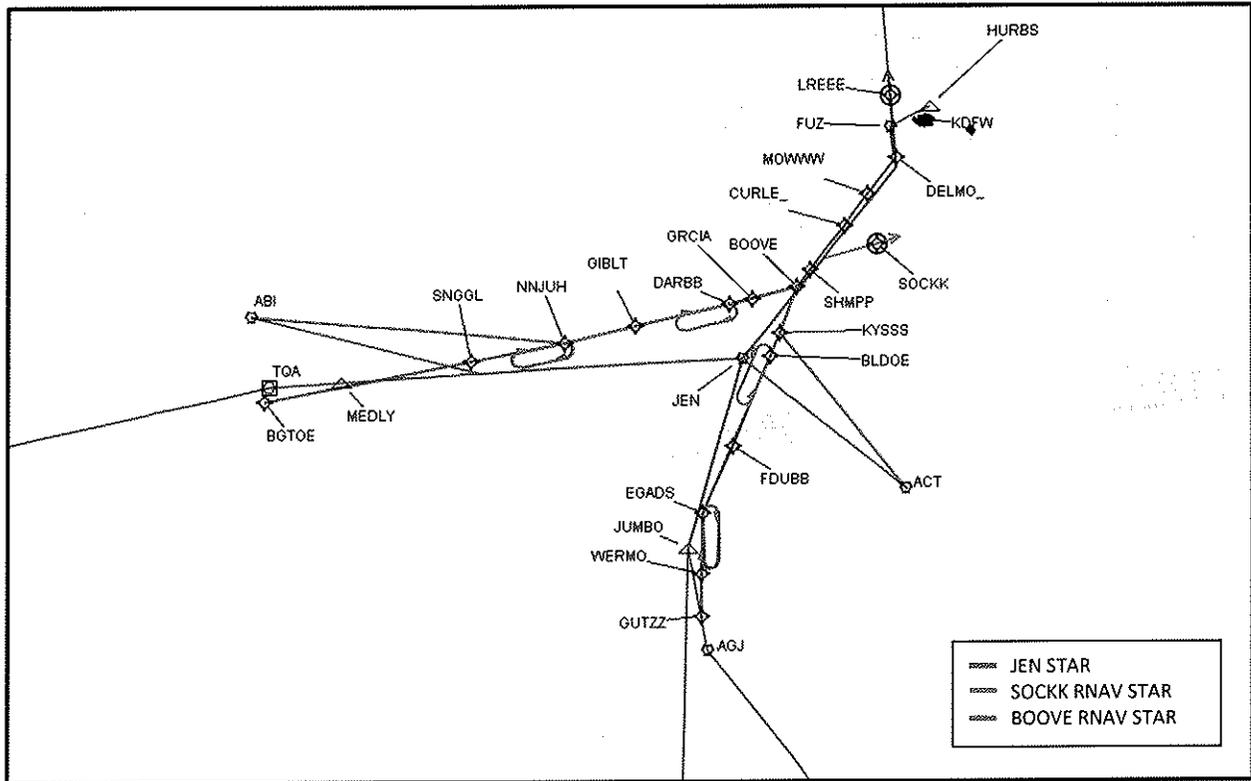
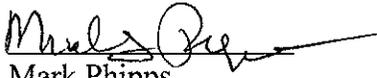


Figure 2. Proposed BOOVE and SOCKK RNAV STARS and JEN STAR (Will replace Figure 3 of FD)

North Texas OAPM Design Package

DFW STARS, BOOVE and SOCKK DFW RNAV STARS

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DFW STARs, BOOVE and SOCKK DFW RNAV STARs

RECORD OF CHANGE

Change Number	Date	Document
004	03/10/2014	BOOVE and SOCKK RNAV STARs
Updated TARGETS File	Updated TARGETS Distro	Updated Associated Data Files (if any)
DFW BOOVE1 FD 20140306.tgs DFW SOCKK1 FD 20140306.tgs	TBD	N/A

Description of Change

On the BOOVE and SOCKK RNAV STARs, DARBB waypoint was renamed DARRB waypoint due to waypoint name reservation availability.

Figure 2 below replaced Figure 3 in the PFD.

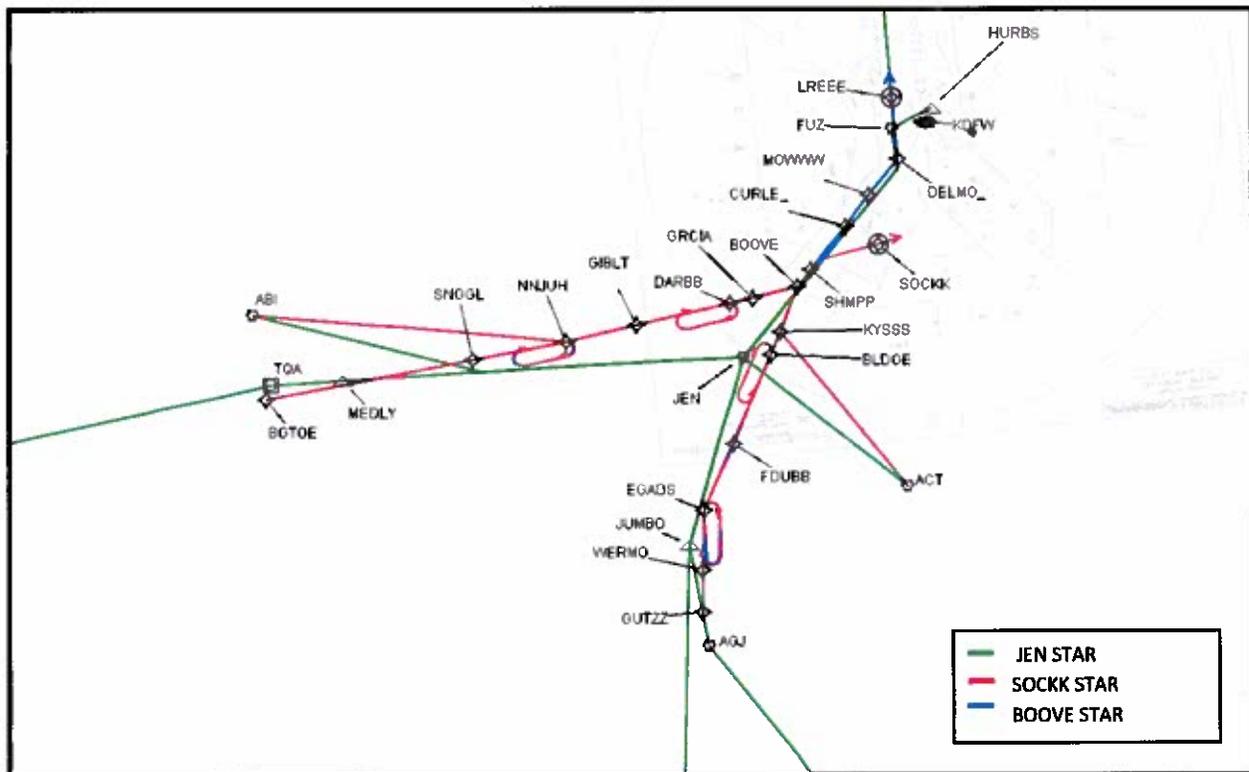


Figure 1. Proposed BOOVE and SOCKK RNAV STARs and JEN STAR (Figure 3 in PFD)

North Texas OAPM Design Package

DFW STARS, BOOVE and SOCKK DFW RNAV STARS

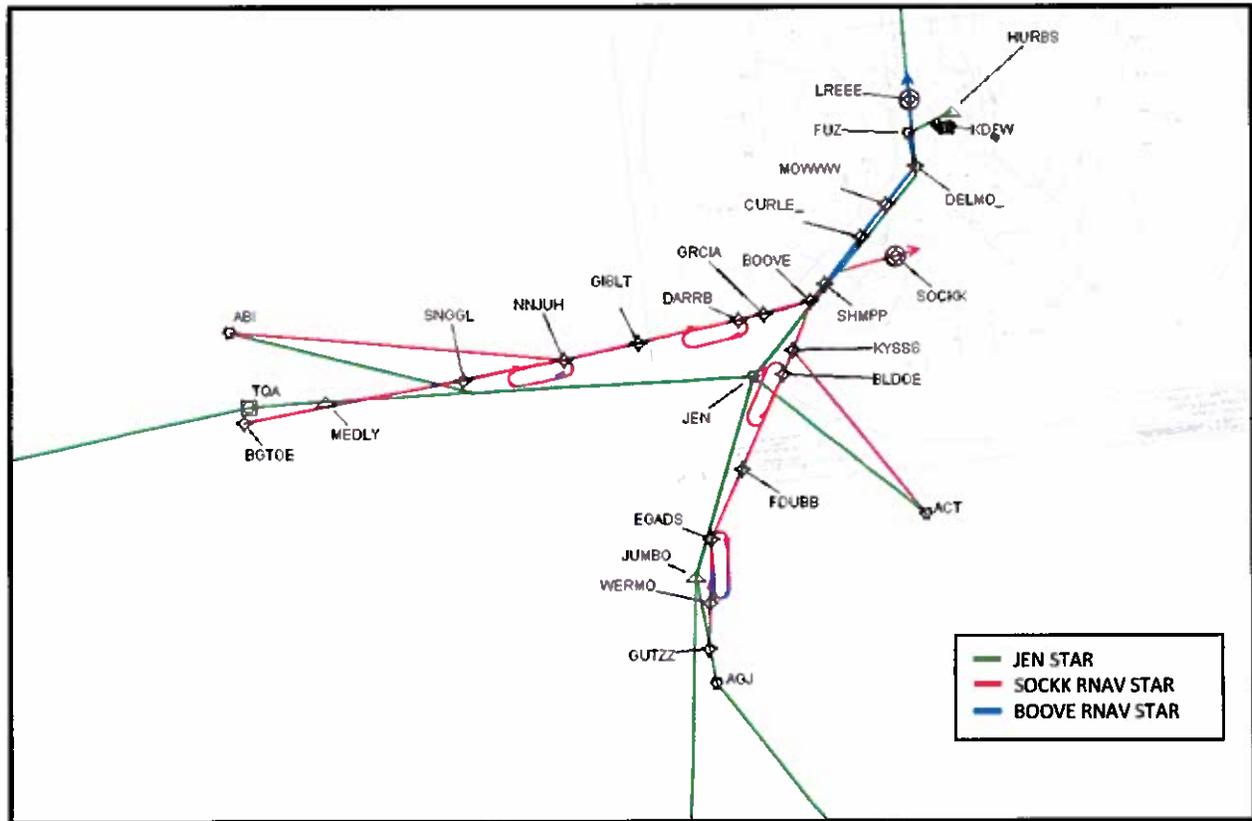
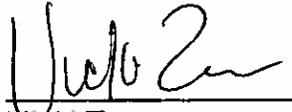


Figure 2. Proposed BOOVE and SOCKK RNAV STARs and JEN STAR (Will replace Figure 3 of PFD)

North Texas OAPM Design Package

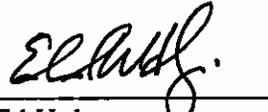
DFW STARs, BOOVE and SOCKK DFW RNAV STARs

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North Texas OAPM Design Package Conventional STARS, BOWIE CONV STAR

RECORD OF CHANGE

Change Number	Date	Document
003	05/08/2014	BOWIE Conventional STAR
Updated TARGETS File	Updated TARGETS Distro	Updated Associated Data Files (if any)
N/A	TBD	N/A

Description of Change

On the BOWIE Conventional STAR, in Figure 1 holding patterns were added at MOOSE, ACKME, PLEBS, KAJAY, ZANTO, TURKI and HEATR waypoints and SPS VORTAC. These changes are due to incorrect TARGETS files initially used.

Figure 2 below replaced Figure 1 in the PFD.

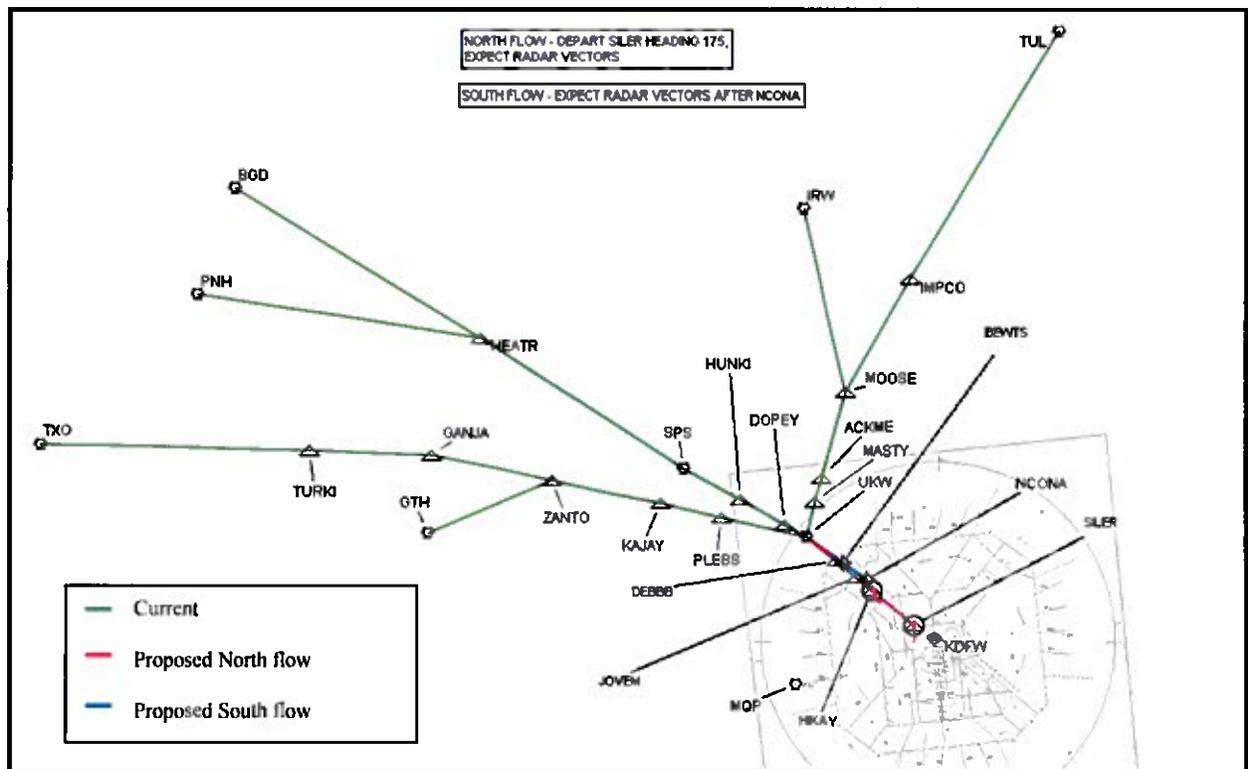


Figure 1. Proposed BOWIE STAR and Current BOWIE STAR (Figure 1 of PFD)

North Texas OAPM Design Package Conventional STARs, BOWIE CONV STAR

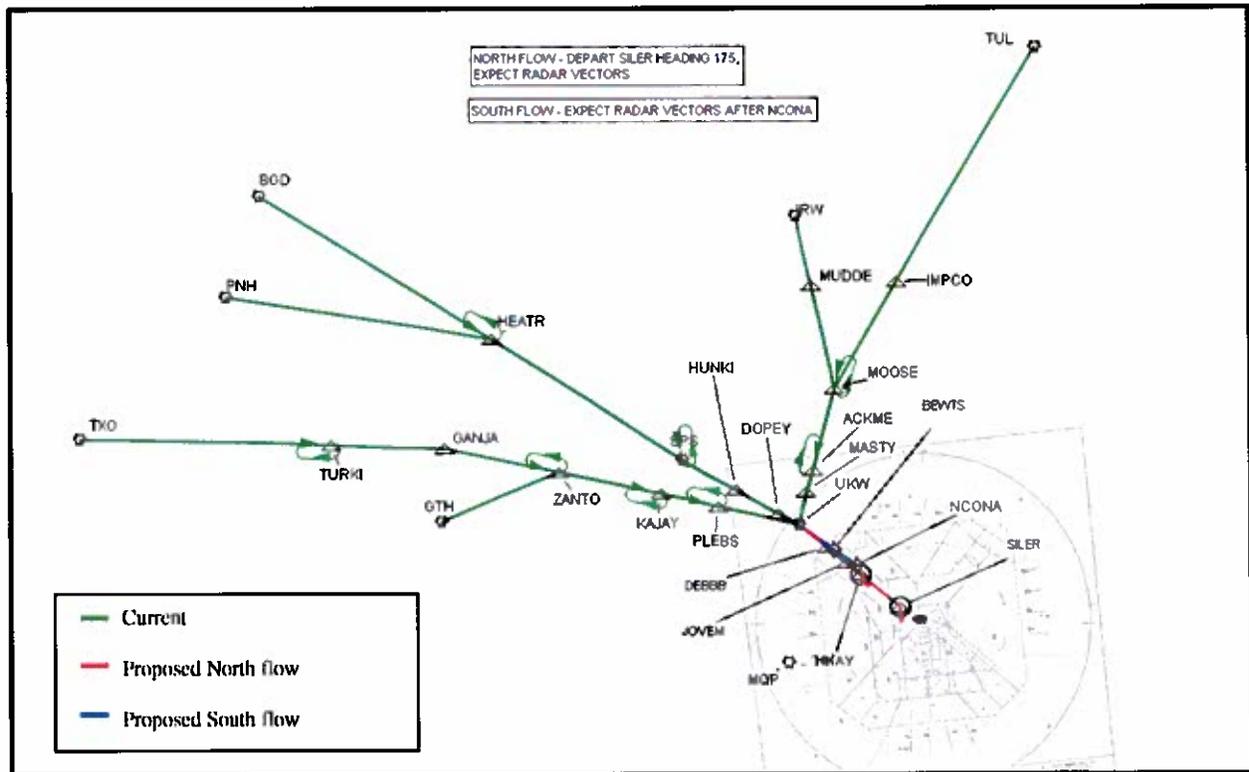
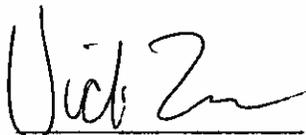


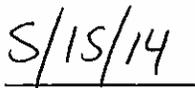
Figure 2. Proposed BOWIE STAR and Current BOWIE STAR (Will replace Figure 1 of PFD)

North Texas OAPM Design Package Conventional STARS, BOWIE CONV STAR

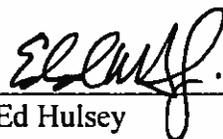
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North Texas OAPM Design Package

DFW STARS, BRDJE and SEEVR RNAV STARS

RECORD OF CHANGE

Change Number	Date	Document
003	01/17/2014	BRDJE and SEEVR RNAV STARS
Updated TARGETS File	Updated TARGETS Distro	Updated Associated Data Files (if any)
N/A	N/A	N/A

Description of Change

Based on ATSAP feedback from Memphis ARTCC (ZME), under **Proposed Design** the sentence “The JRHED transition will be ATC assigned only” will be added.

North Texas OAPM Design Package

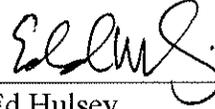
DFW STARS, BRDJE and SEEVR DFW RNAV STARS

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North Texas OAPM Design Package

DFW STARS, CAINE and DAWGZ DFW RNAV STARS

RECORD OF CHANGE

Change Number	Date	Document
003	01/17/2014	CAINE and DAWGZ RNAV STARS
Updated TARGETS File	Updated TARGETS Distro	Updated Associated Data Files (if any)
DFW CAINE1 FD 20131204.tgs DFW DAWGZ1 FD 20131204.tgs	TBD	N/A

Description of Change

On the CAINE and DAWGZ RNAV STARS, PONNY waypoint was renamed PONYYY waypoint due to waypoint name reservation availability.

Figure 2 below replaced Figure 3 in the FD.

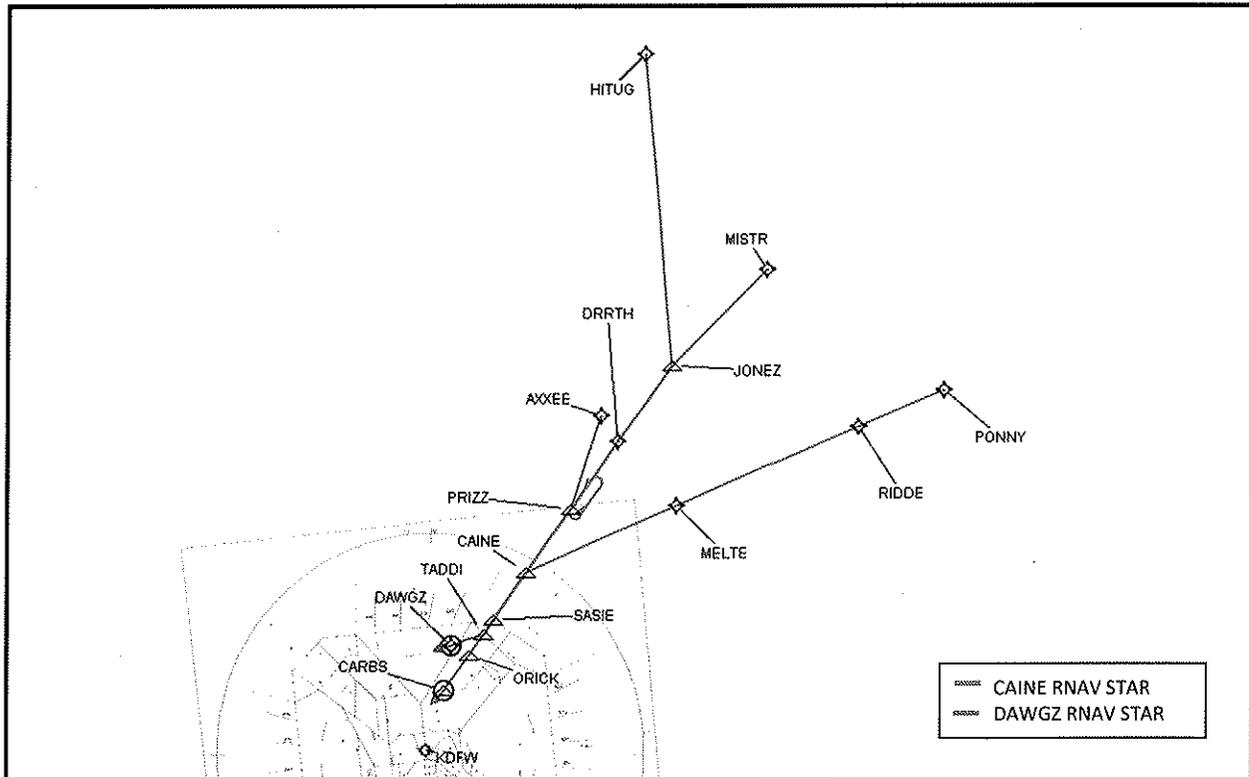


Figure 1. Proposed CAINE and DAWGZ RNAV STARS (Figure 3 in FD)

North Texas OAPM Design Package

DFW STARS, CAINE and DAWGZ DFW RNAV STARS

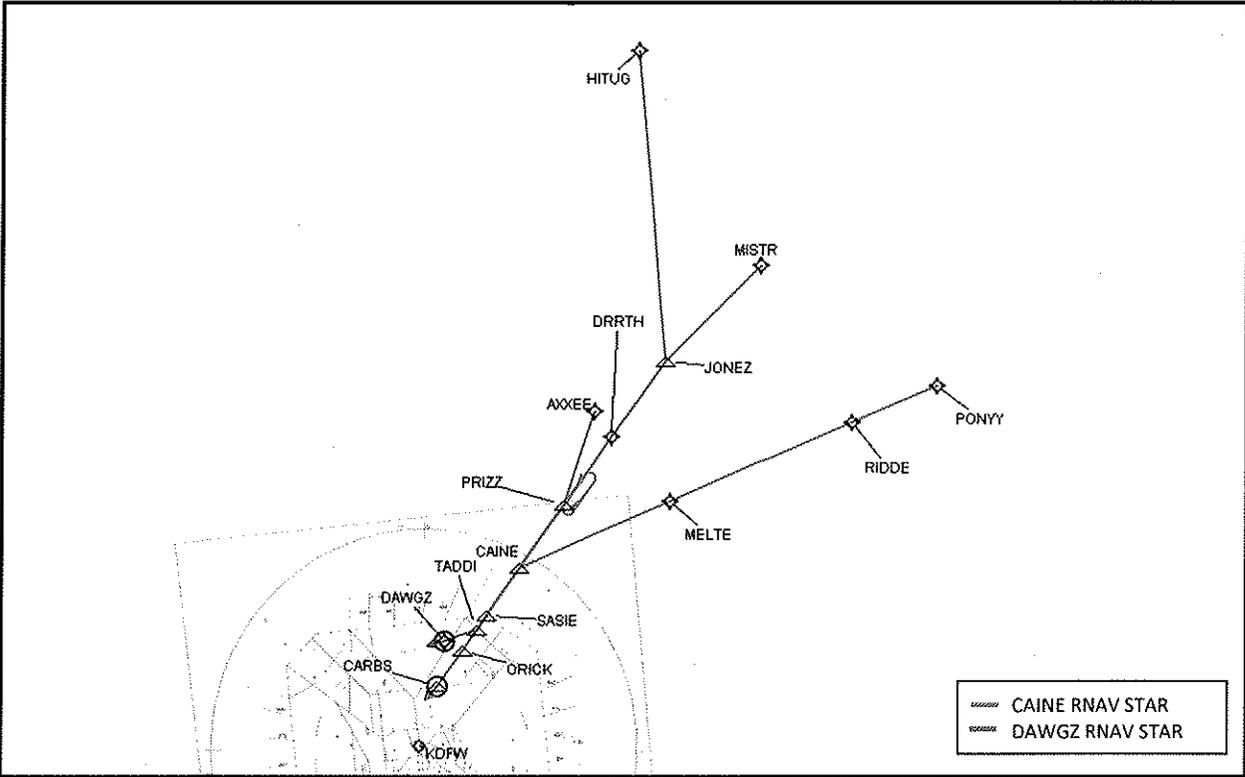


Figure 2. Proposed CAINE and DAWGZ RNAV STARS (Will replace Figure 3 of FD)

North Texas OAPM Design Package

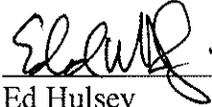
DFW STARS, CAINE and DAWGZ DFW RNAV STARS

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North Texas OAPM Design Package

Conventional STARS, CEDAR CREEK CONV STAR

RECORD OF CHANGE

Change Number	Date	Document
003	05/08/2014	CEDAR CREEK Conventional STAR
Updated TARGETS File	Updated TARGETS Distro	Updated Associated Data Files (if any)
N/A	TBD	N/A

Description of Change

On the CEDAR CREEK Conventional STAR, in Figure 1 holding patterns were added at CAPTI and HERRI waypoints, and CQY and GGG VORTACs. These changes are due to incorrect TARGETS files initially used.

Figure 2 below replaced Figure 1 in the PFD.

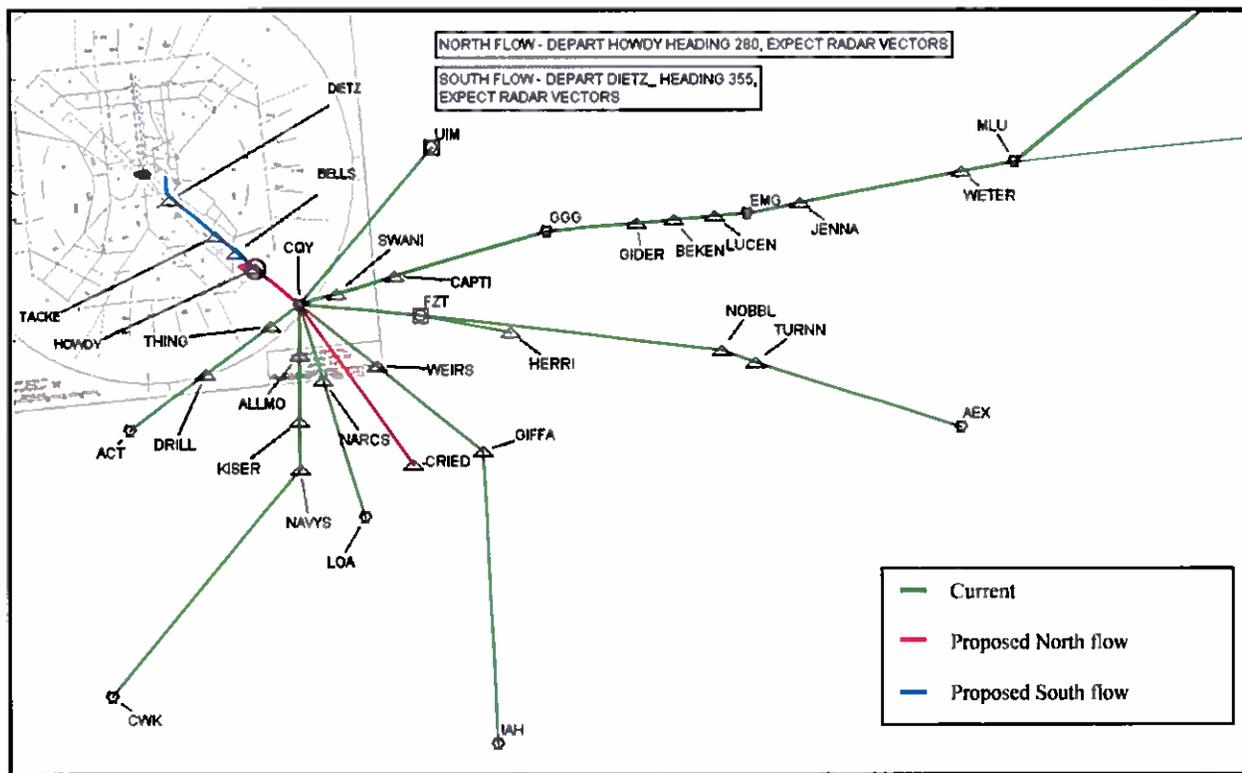


Figure 1. Proposed CEDAR CREEK STAR and Current CEDAR CREEK STAR (Figure 1 of PFD)

North Texas OAPM Design Package

Conventional STARs, CEDAR CREEK CONV STAR

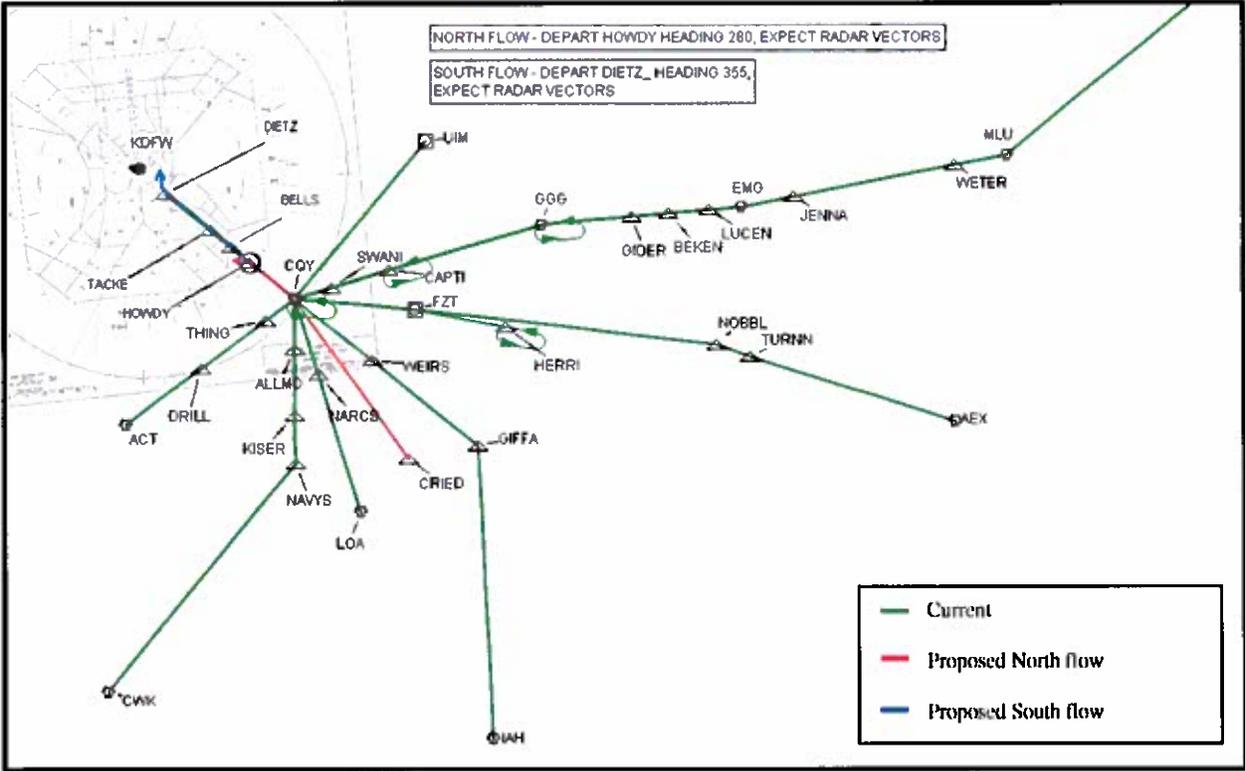


Figure 2. Proposed CEDAR CREEK STAR and Current CEDAR CREEK STAR (Will replace Figure 1 of PFD)

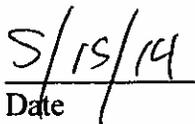
North Texas OAPM Design Package

Conventional STARS, CEDAR CREEK CONV STAR

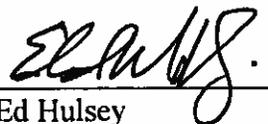
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**North Texas OAPM Design Package
 Required Navigation Performance (RNP) Authorization Required
 (AR) Approaches, DAL RNP AR Approaches**

RECORD OF CHANGE

Change Number	Date	Document
003	01/17/2014	RNP-AR Approaches - DAL
Updated TARGETS File	Updated TARGETS Distro	Updated Associated Data Files (if any)
DAL_RNP_07JAN14.tgs	TBD	N/A

Description of Change

The Threshold Crossing Height for DAL Runway 13L was raised from 35.2 feet to 40.2 feet. (5 feet total) This resulted in movement of the following waypoints and arcs.

<u>Waypoint name</u>	<u>Amount of movement</u>
EBARE	21.93 FEET
HEXOV	5.97 FEET
LAICH	29.98 FEET
WUPAG	9.02 FEET
VEALY	8.59 feet
TUNDE	95.4 feet closer to rwy
ZUNAM (PFAF)	95.47 feet closer to rwy

The arcs from WUPAG to KUMTE (Runway 13L) and WUPAG to LAICH (Runway 13R) were moved 5 feet northwest (common arc for both runways). The arc from VEALY to ZUNAM was moved 3 feet east (Runway 13L).

The Runway 13L Final Rollout Point (FROP) was named CEGEP waypoint. The Runway 13R FROP was named WUREM waypoint.

Figure 2 below replaced Figure 3 in the FD.

North Texas OAPM Design Package
Required Navigation Performance (RNP) Authorization Required
(AR) Approaches, DAL RNP AR Approaches

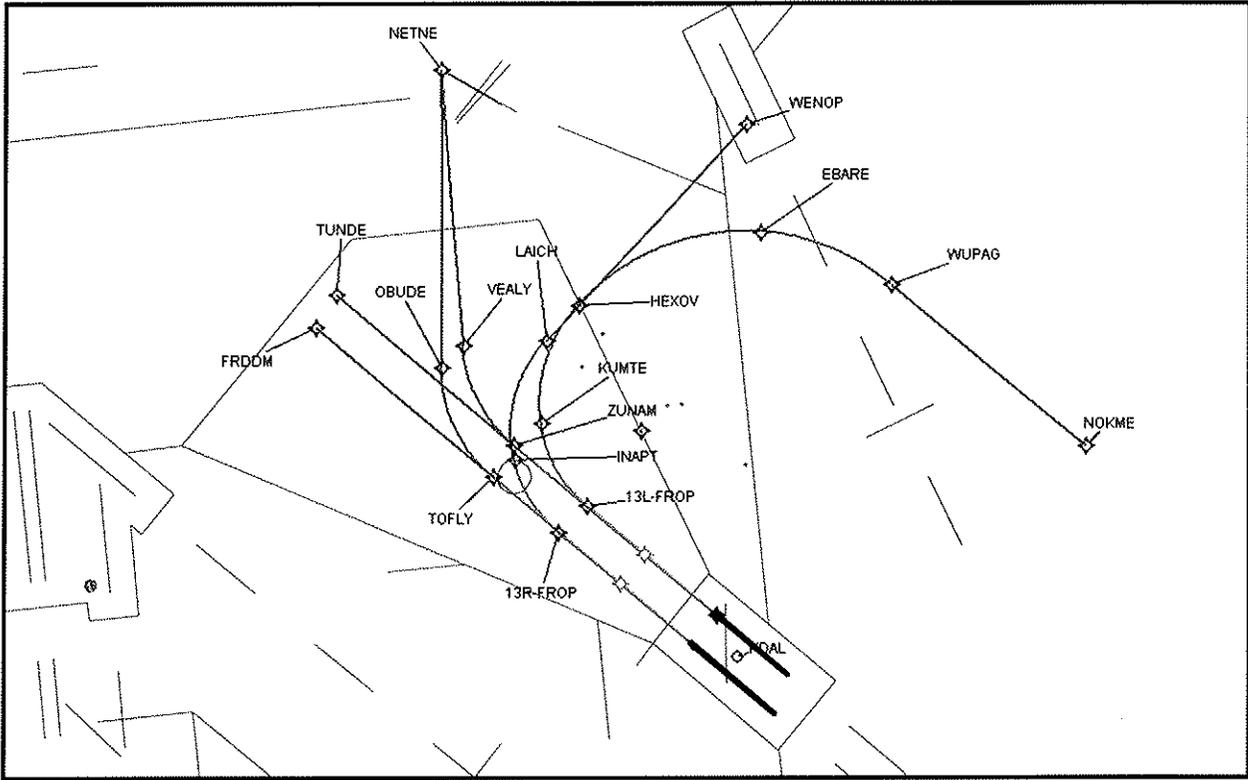


Figure 1. Proposed RNP-AR to RWY13L/R (Figure 3 in FD)

North Texas OAPM Design Package

Required Navigation Performance (RNP) Authorization Required (AR) Approaches, DAL RNP AR Approaches

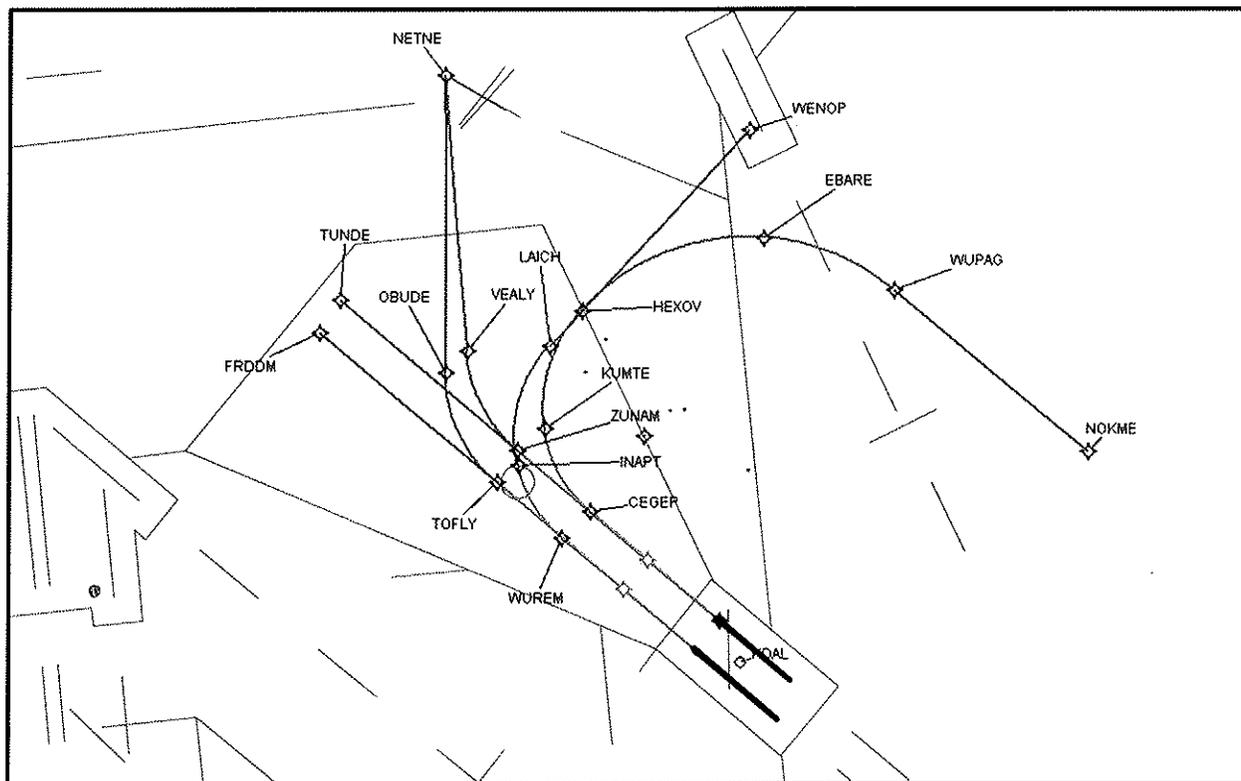


Figure 2. Proposed RNP-AR to RWY13L/R (Will replace Figure 3 in FD)

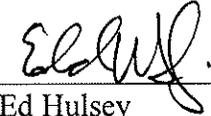
**North Texas OAPM Design Package
Required Navigation Performance (RNP) Authorization Required
(AR) Approaches, DAL RNP AR Approaches**

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**North Texas OAPM Design Package
 Required Navigation Performance (RNP) Authorization Required
 (AR) Approaches, DAL RNP AR Approaches**

RECORD OF CHANGE

Change Number	Date	Document
004	02/14/2014	RNP-AR Approaches - DAL
Updated TARGETS File	Updated TARGETS Distro	Updated Associated Data Files (if any)
DAL_RNP_04FEB14.tgs	TBD	N/A

Description of Change

The Threshold Crossing Height for DAL Runways 31L and 31R was raised which resulted in movement of the following waypoints and arcs.

DAL RNP RWY 31L

The track from LAYER/SUMLN to WAGBU moved 51.45 feet.

<u>Waypoint name</u>	<u>Amount of movement</u>
LAYER	41.36 Feet
NAKFA	53.72 Feet
OVELE	52.10 Feet
WAGBU	51.97 Feet

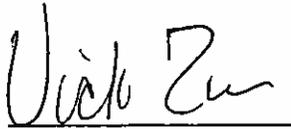
DAL RNP RWY 31R

The Track from DWNTN to TIRKE moved 24.86 feet.

<u>Waypoint name</u>	<u>Amount of movement</u>
WEANS	1 Foot
QUARE	1 Foot
USURY	60.99 Feet

**North Texas OAPM Design Package
Required Navigation Performance (RNP) Authorization Required
(AR) Approaches, DAL RNP AR Approaches**

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Date

North Texas OAPM Design Package

DFW STARs, DEBBB and JOVEM DFW RNAV STARs

RECORD OF CHANGE

Change Number	Date	Document
002	01/17/2014	DEBBB and JOVEM RNAV STARs
Updated TARGETS File	Updated TARGETS Distro	Updated Associated Data Files (if any)
DFW DEBBB1 FD 20131120.tgs	TBD	N/A

Description of Change

On the DEBBB RNAV STAR, AMMMO waypoint was renamed PHAUP waypoint due to waypoint name reservation availability.

Figure 2 below replaced Figure 3 in the FD.

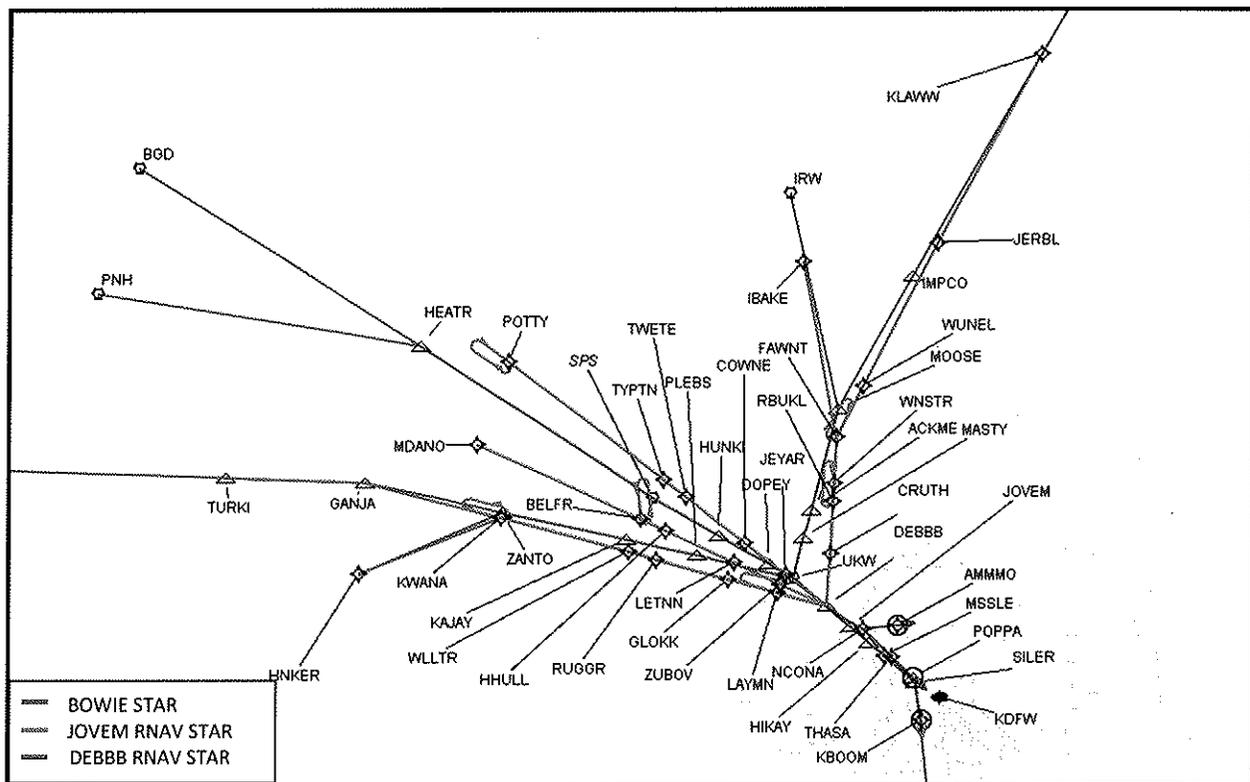


Figure 1. Proposed DEBBB and JOVEM RNAV STARs and BOWIE STAR (Figure 3 in FD)

North Texas OAPM Design Package

DFW STARS, DEBBB and JOVEM DFW RNAV STARS

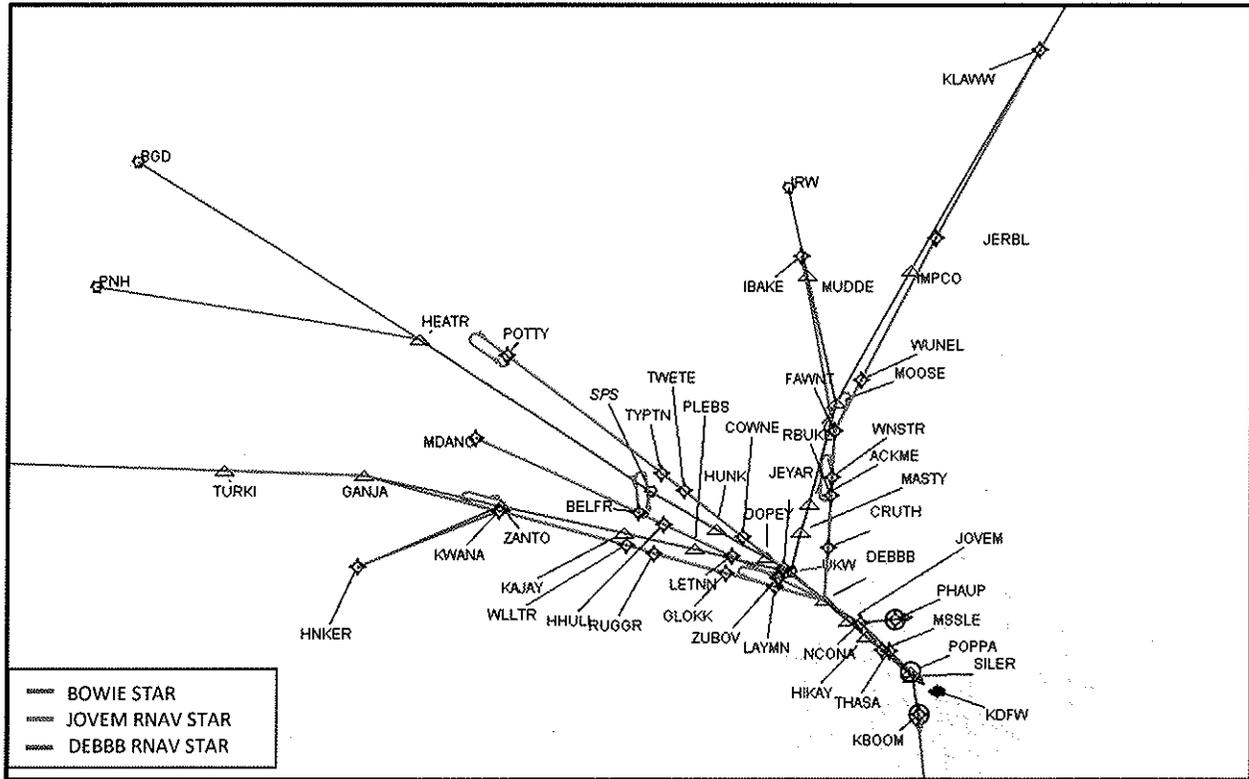
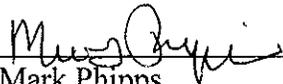


Figure 2. Proposed DEBBB and JOVEM RNAV STARS and BOWIE STAR (Will replace Figure 3 of FD)

North Texas OAPM Design Package

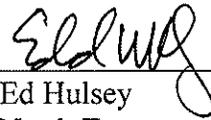
DFW STARs, DEBBB and JOVEM DFW RNAV STARs

Design Team Lead's signatures indicate the appropriate coordination with any concerned parties has been conducted with regards to the changes/amendments listed on this document.



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North Texas OAPM Design Package

DAL SIDs, EMMTT and LNDRE DAL RNAV SIDs

RECORD OF CHANGE

Change Number	Date	Document
004	01/17/2014	EMMTT and LNDRE RNAV SIDs
Updated TARGETS File	Updated TARGETS Distro	Updated Associated Data Files (if any)
DAL EMMTT1 FD 20140109.tgs DAL LNDRE1 FD 20140109.tgs	TBD	N/A

Description of Change

On the EMMTT RNAV SID, BLADE waypoint was renamed BENKZ waypoint, SKTER waypoint was renamed ZACHH, waypoint AIKMN waypoint was renamed FLOWT waypoint and IRVEN waypoint was renamed MADND waypoint due to waypoint name reservation availability.

On the LNDRE RNAV SID, BLADE waypoint was renamed BENKZ waypoint, DYYKE waypoint was renamed HANUH waypoint and ROBBN waypoint was renamed ZERLU waypoint due to waypoint name reservation availability.

Figure 2 below replaced Figure 4 in the FD.

North Texas OAPM Design Package

DAL SIDs, EMMTT and LNDRE DAL RNAV SIDs

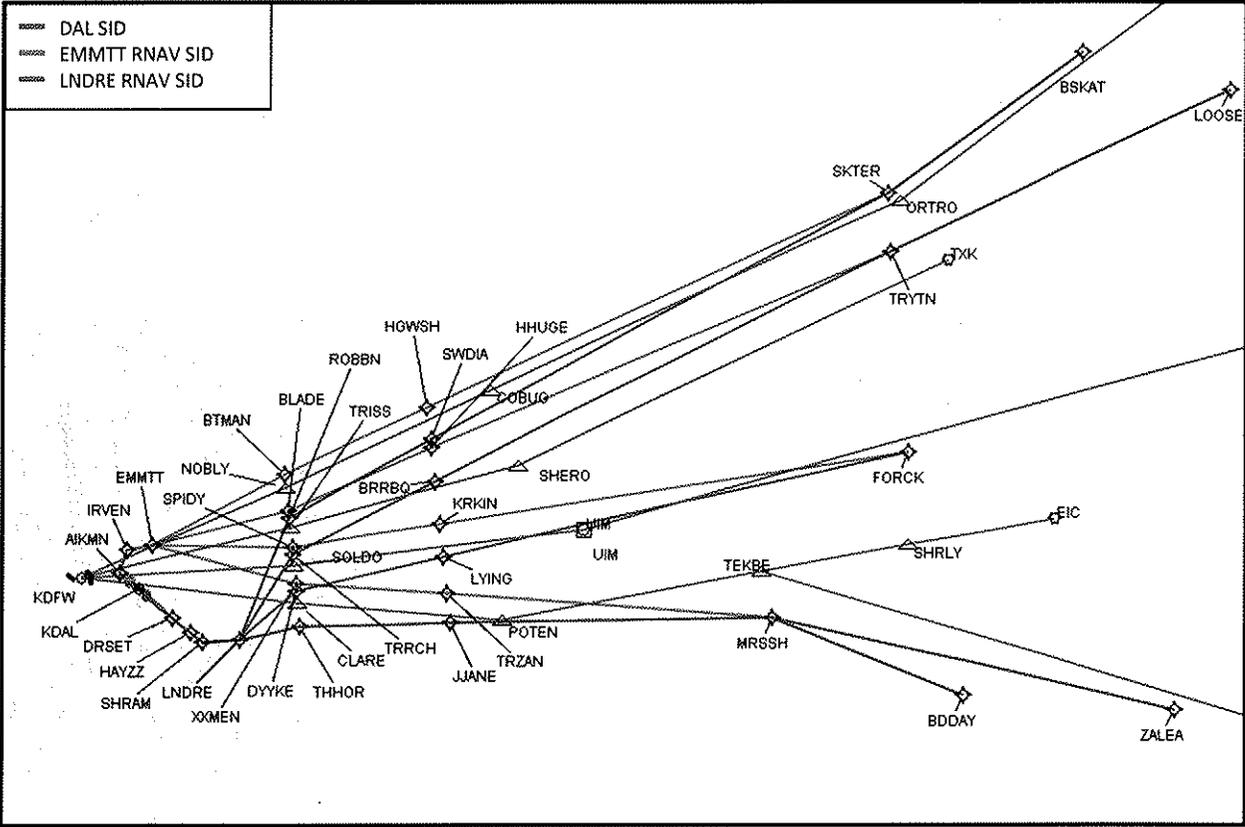


Figure 1. Proposed EMMTT and LNDRE RNAV SIDs and DAL SID (Figure 4 in FD)

North Texas OAPM Design Package

DAL SIDs, EMMTT and LNDRE DAL RNAV SIDs

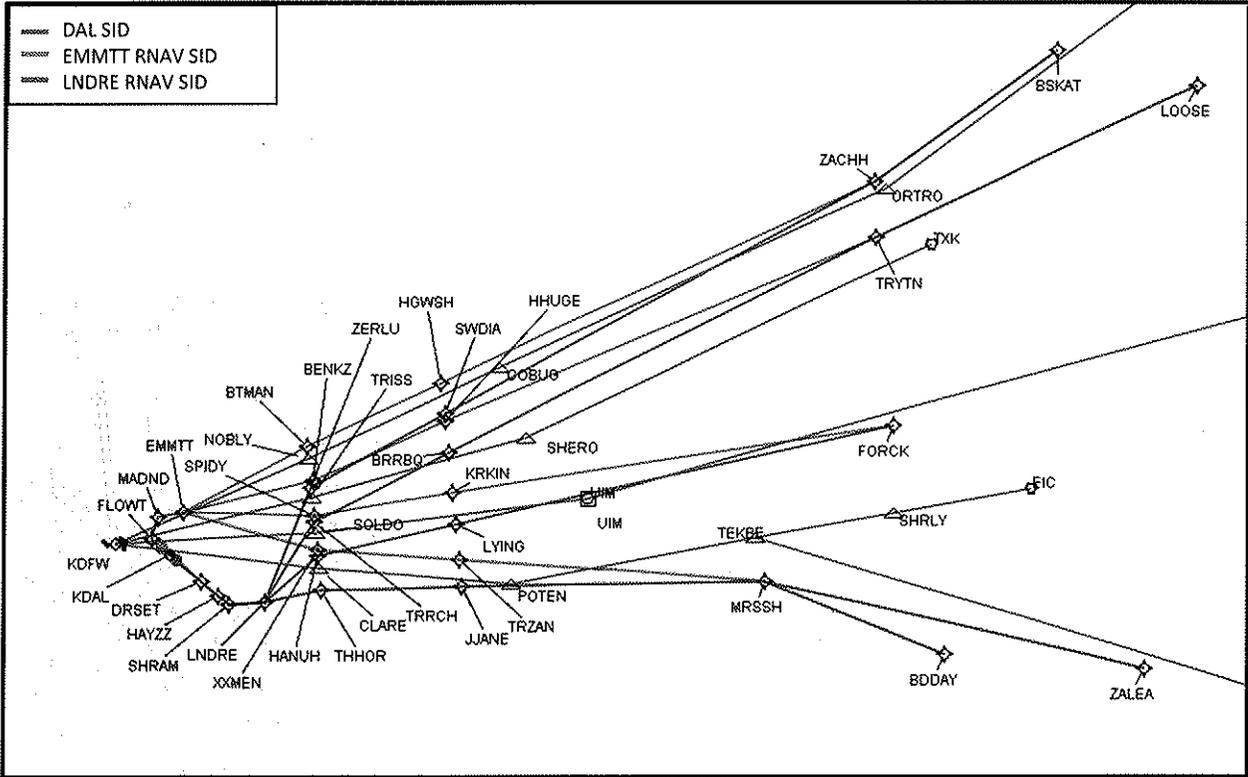


Figure 2. Proposed EMMTT and LNDRE RNAV SIDs and DAL SID (Will replace Figure 4 of FD)

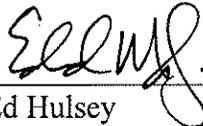
North Texas OAPM Design Package
DAL SIDs, EMMTT and LNDRE DAL RNAV SIDs

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DAL SIDs, EMMTT and LNDRE DAL RNAV SIDs

RECORD OF CHANGE

Change Number	Date	Document
005	03/11/2014	EMMTT and LNDRE RNAV SIDs
Updated TARGETS File	Updated TARGETS Distro	Updated Associated Data Files (if any)
DAL LNDRE1 FD 20140305.tgs	TBD	N/A

Description of Change

On the LNDRE RNAV SID, BRRBQ waypoint was renamed JAYXX waypoint due to waypoint name reservation availability.

Figure 2 below replaced Figure 4 in the PFD.

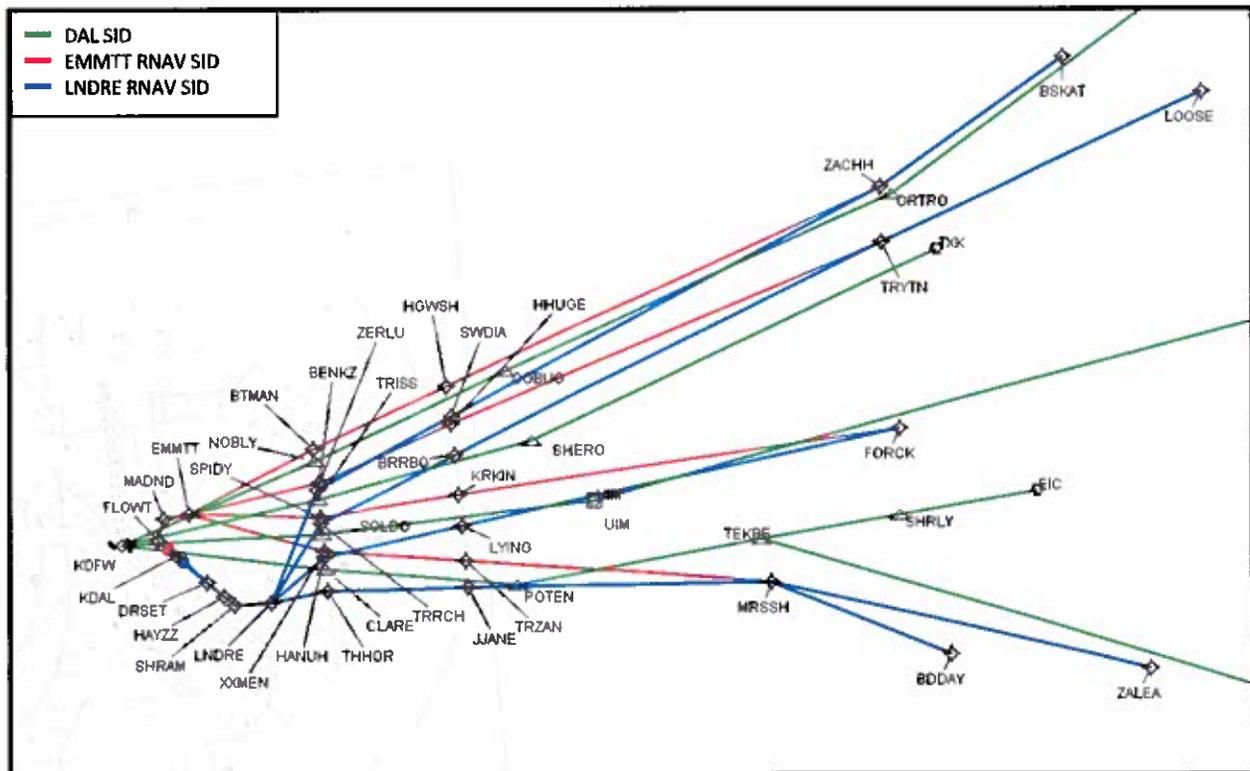


Figure 1. Proposed EMMTT and LNDRE RNAV SIDs and DAL SID (Figure 4 in PFD)

North Texas OAPM Design Package

DAL SIDs, EMMTT and LNDRE DAL RNAV SIDs

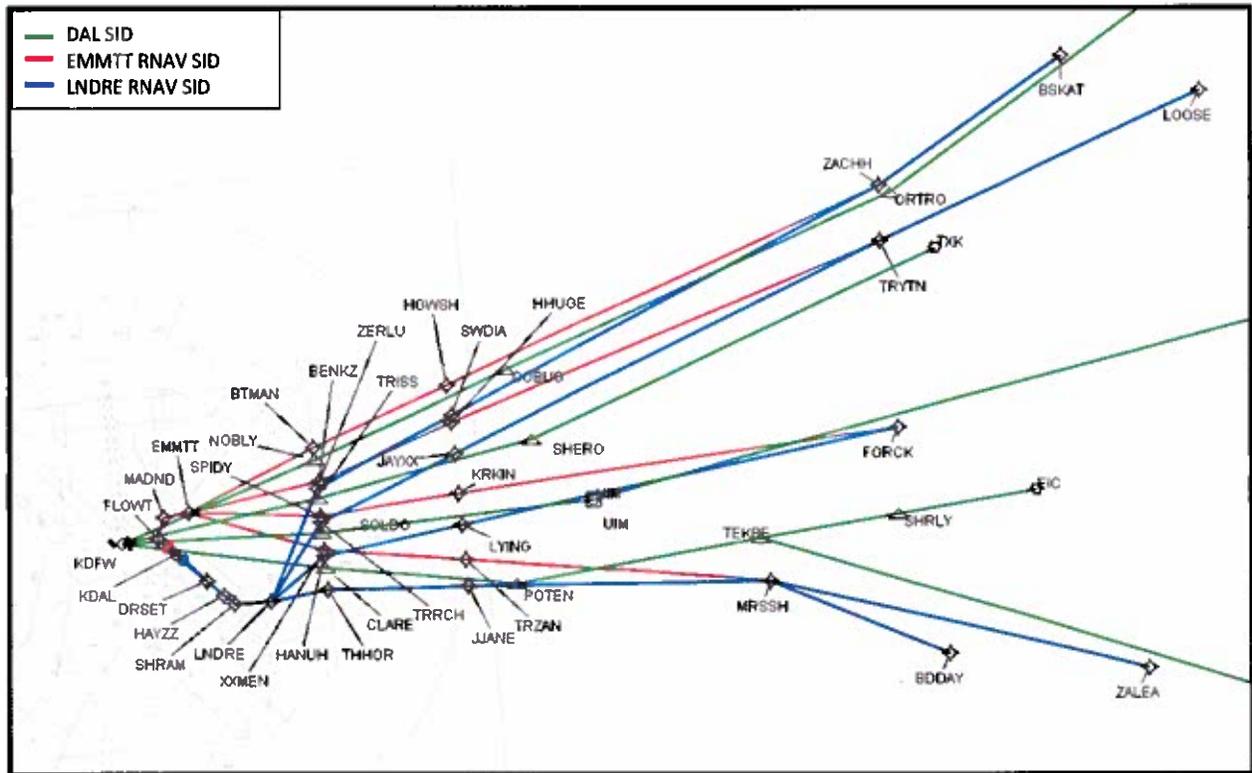
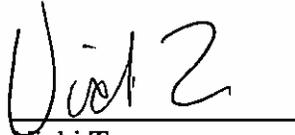


Figure 2. Proposed EMMTT and LNDRE RNAV SIDs and DAL SID (Will replace Figure 4 of PFD)

North Texas OAPM Design Package

DAL SIDs, EMMTT and LNDRE DAL RNAV SIDs

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North Texas OAPM Design Package

DAL SIDs, ESNYE and SWTSR DAL RNAV SIDs

RECORD OF CHANGE

Change Number	Date	Document
003	01/17/2014	ESNYE and SWTSR RNAV SIDs
Updated TARGETS File	Updated TARGETS Distro	Updated Associated Data Files (if any)
DAL ESNYE1 FD 20131204.tgs	TBD	N/A

Description of Change

On the ESNYE RNAV SID, SPLYT waypoint was renamed LANEE waypoint and AIKMN waypoint was renamed FLOWT waypoint due to waypoint name reservation availability.

Figure 2 below replaced Figure 4 in the FD.

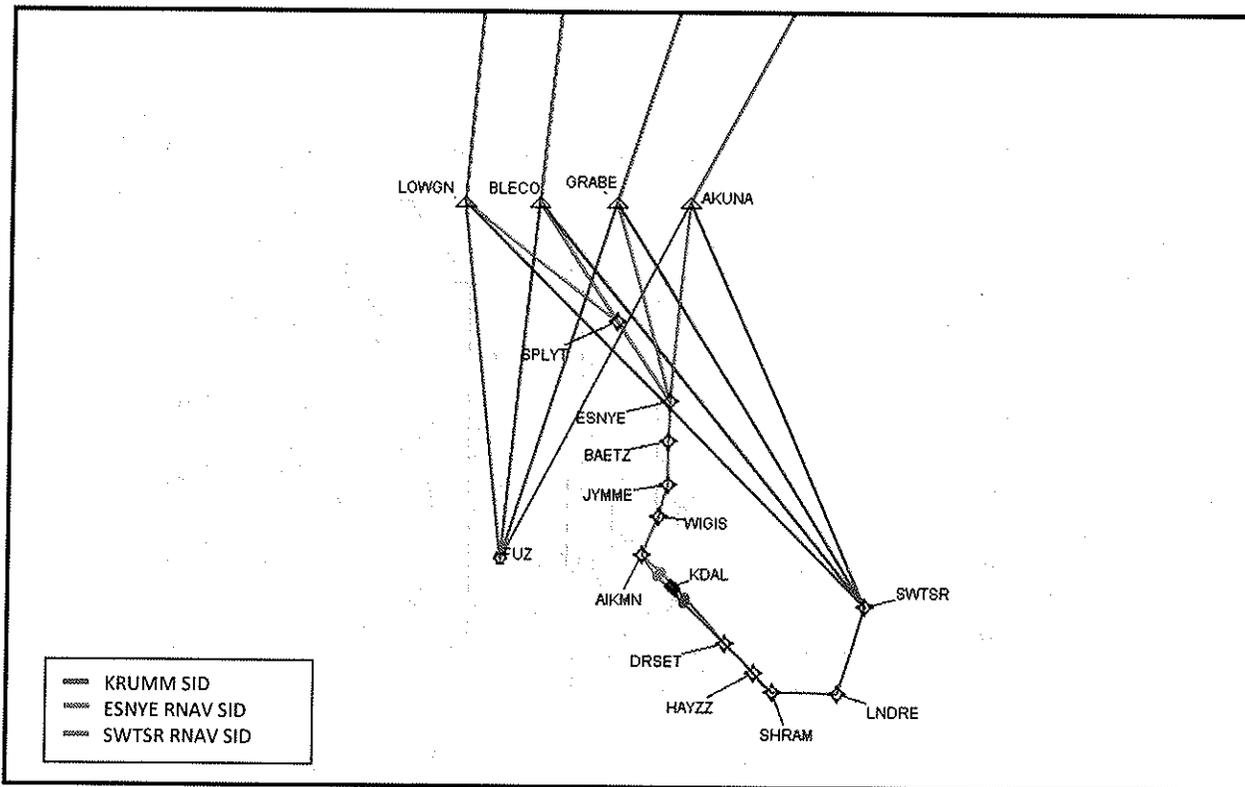


Figure 1. Proposed ESNYE and SWTSR RNAV SIDs and KRUMM SID (Figure 4 in FD)

North Texas OAPM Design Package

DAL SIDs, ESNYE and SWTSR DAL RNAV SIDs

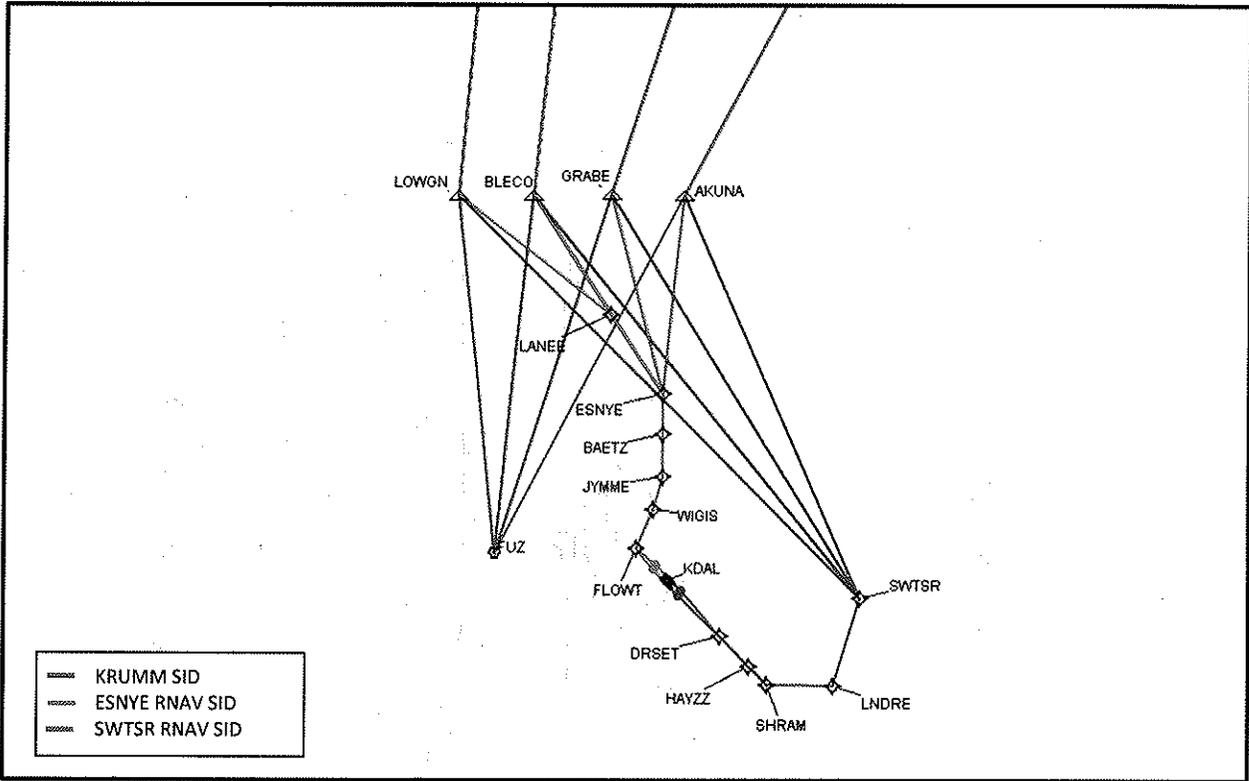


Figure 2. Proposed ESNYE and SWTSR RNAV SIDs and KRUMM SID (Will replace Figure 4 of FD)

North Texas OAPM Design Package

DAL SIDs, ESNYE and SWTSR DAL RNAV SIDs

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North Texas OAPM Design Package

Conventional STARs, FINGR CONV STAR

RECORD OF CHANGE

Change Number	Date	Document
002	05/05/2014	FINGR Conventional STAR
Updated TARGETS File	Updated TARGETS Distro	Updated Associated Data Files (if any)
N/A	TBD	N/A

Description of Change

On the FINGR Conventional STAR, in Figure 1 holding patterns were added at GLOVE, BIRLE and GAATZ waypoints and BYP VORTAC. These changes are due to incorrect TARGETS files initially used.

Figure 2 below replaced Figure 1 in the PFD.

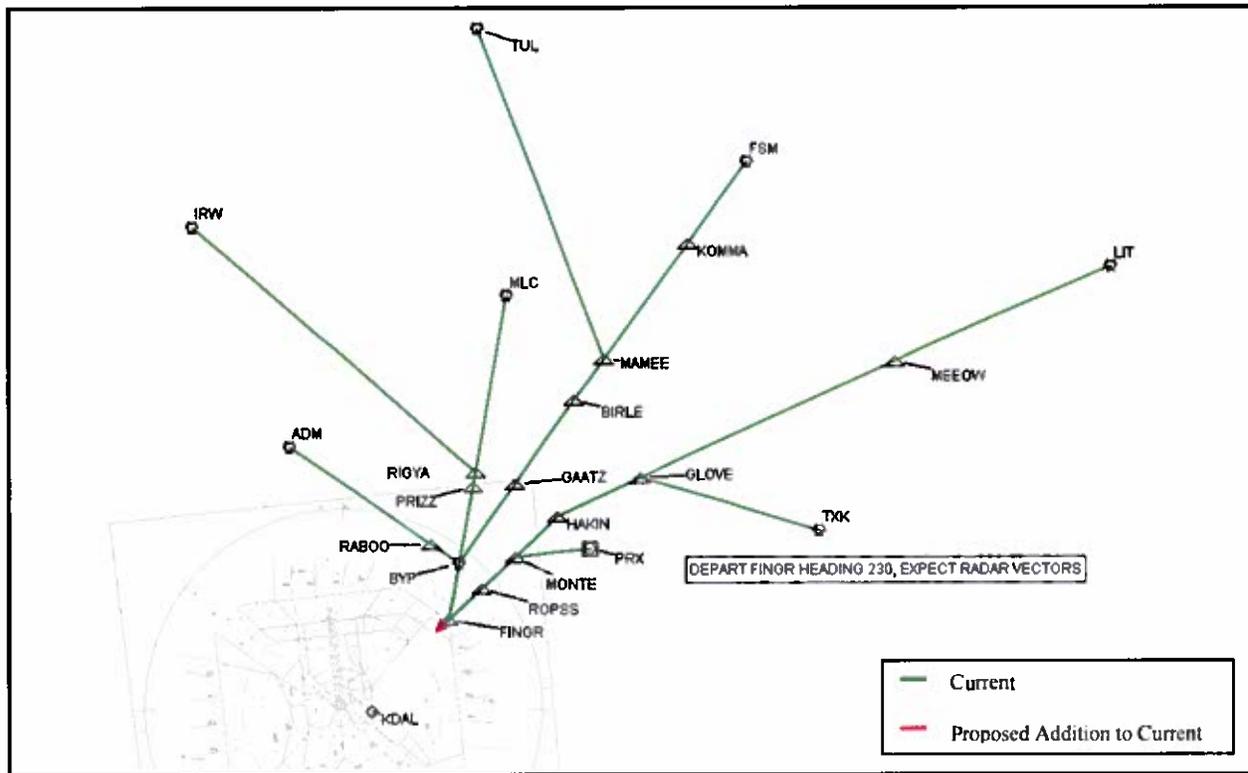


Figure 1. Proposed FINGR STAR and Current FINGR STAR (Figure 1 of PFD)

North Texas OAPM Design Package

Conventional STARs, FINGR CONV STAR

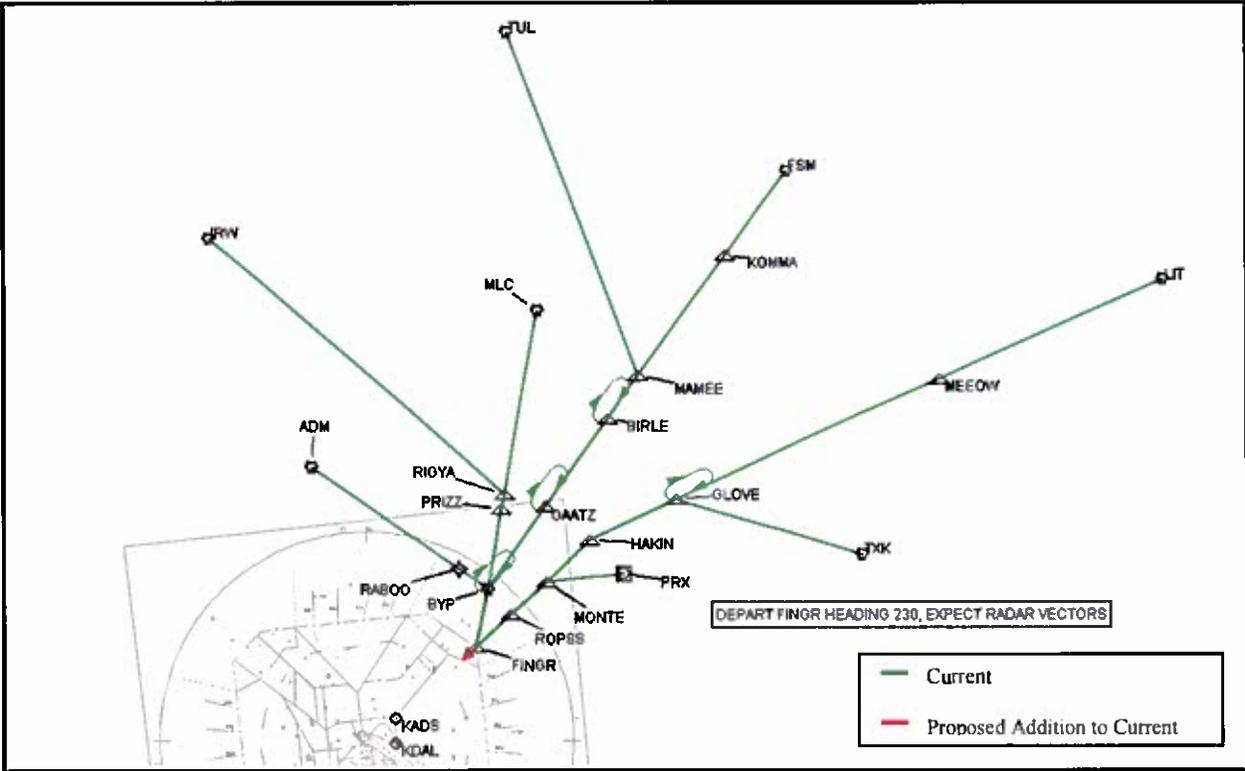


Figure 2. Proposed FINGR STAR and Current FINGR STAR (Will replace Figure 1 of PFD)

North Texas OAPM Design Package

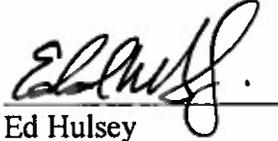
Conventional STARS, FINGR CONV STAR

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**North Texas OAPM Design Package
DFW SIDs, ZACHH (SKTER), TRYTN, FORCK and MRSSH
DFW RNAV SIDs**

RECORD OF CHANGE

Change Number	Date	Document
004	01/17/2014	FORCK, MRSSH, ZACHH (SKTER) and TRYTN RNAV SIDs
Updated TARGETS File	Updated TARGETS Distro	Updated Associated Data Files (if any)
DFW ZACHH1 FD 20140109.tgs DFW FORCK1 FD 20140109.tgs DFW TRYTN1 FD 20131204.tgs	TBD	N/A

Description of Change

On the SKTER RNAV SID, ROBBN waypoint was renamed ZERLU waypoint, and SKTER waypoint was renamed ZACHH waypoint due to waypoint name reservation availability. Therefore, the SKTER RNAV SID was renamed the ZACHH RNAV SID.

On the TRYTN RNAV SID, BLADE waypoint was renamed BENKZ waypoint due to waypoint name reservation availability.

On the FORCK RNAV SID, DYYKE waypoint was renamed HANUH waypoint due to waypoint name reservation availability.

Figure 2 below replaced Figure 3 in the FD.

Figure 4 below replaced Figure 4 in the FD.

Figure 6 below replaced Figure 5 in the FD.

North Texas OAPM Design Package

DFW SIDs, ZACHH (SKTER), TRYTN, FORCK and MRSSH

DFW RNAV SIDs

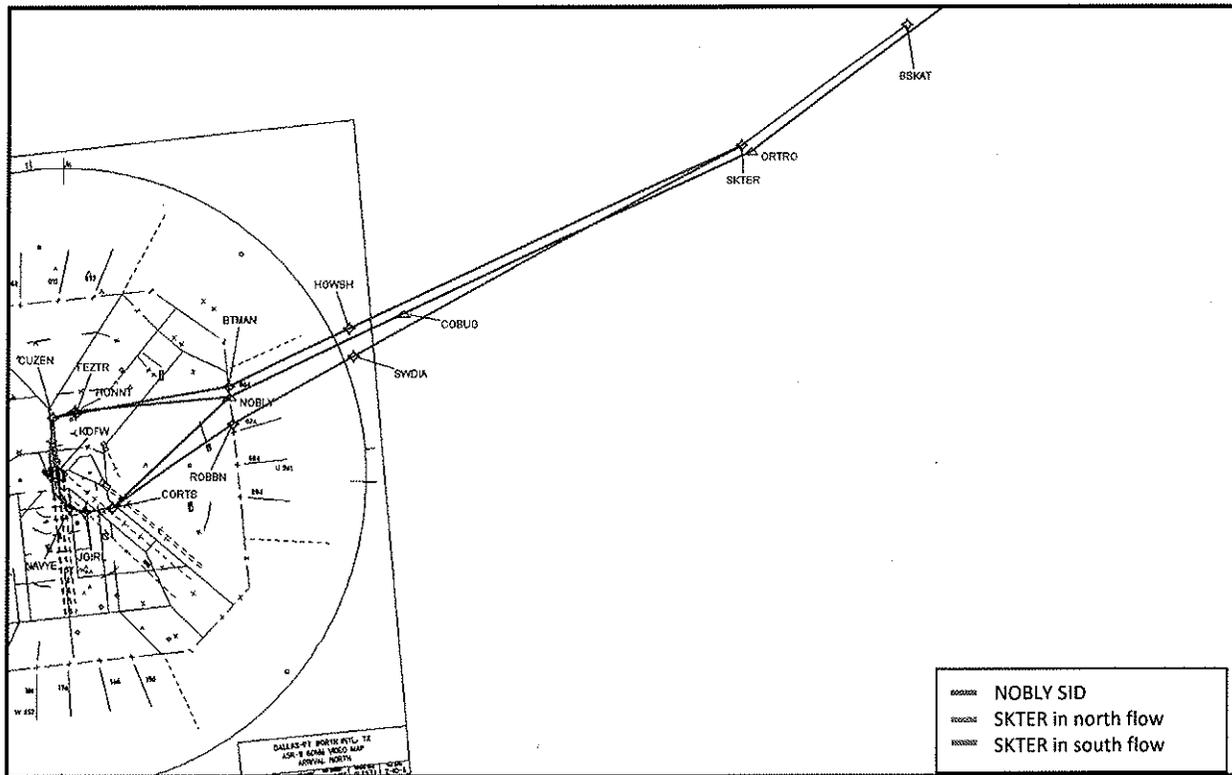


Figure 1. Proposed SKTER RNAV SID and NOBLY SID (Figure 3 in FD)

North Texas OAPM Design Package

DFW SIDs, ZACHH (SKTER), TRYTN, FORCK and MRSSH

DFW RNAV SIDs

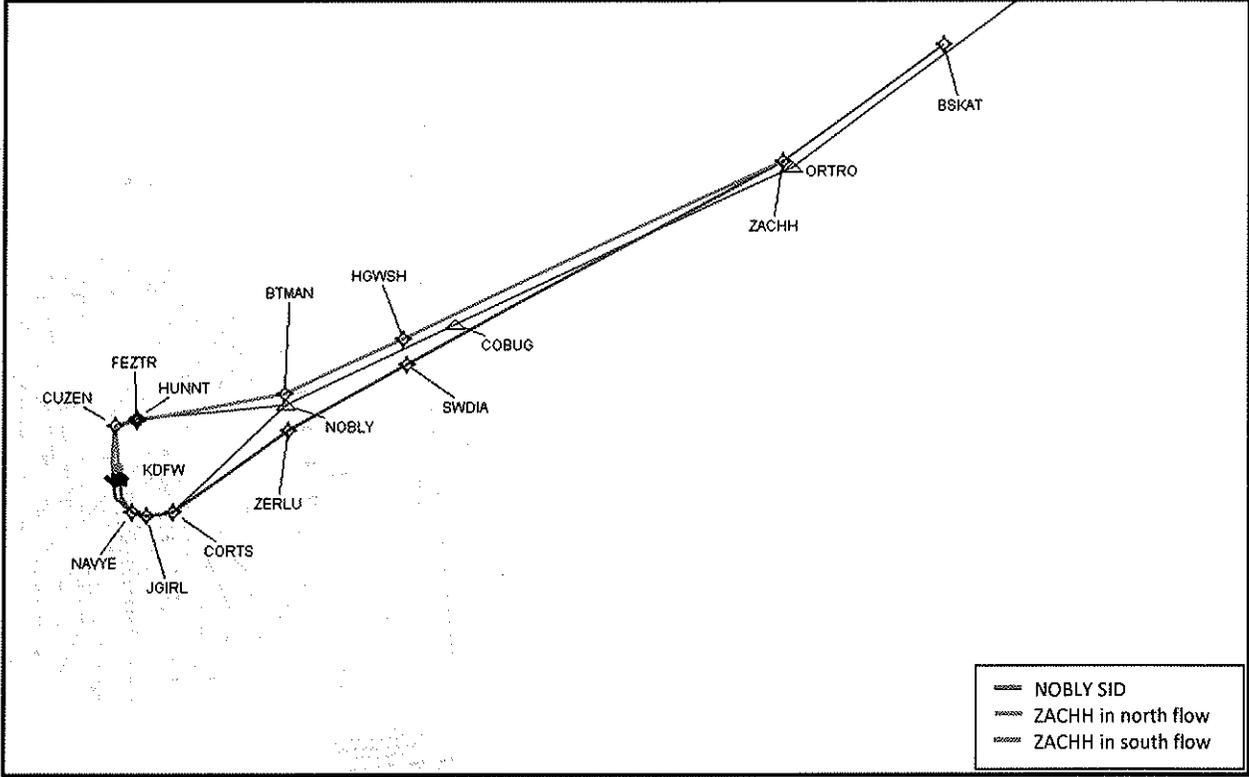


Figure 2. Proposed ZACHH RNAV SID and NOBLY SID (Will replace Figure 3 of FD)

North Texas OAPM Design Package

DFW SIDs, ZACHH (SKTER), TRYTN, FORCK and MRSSH

DFW RNAV SIDs

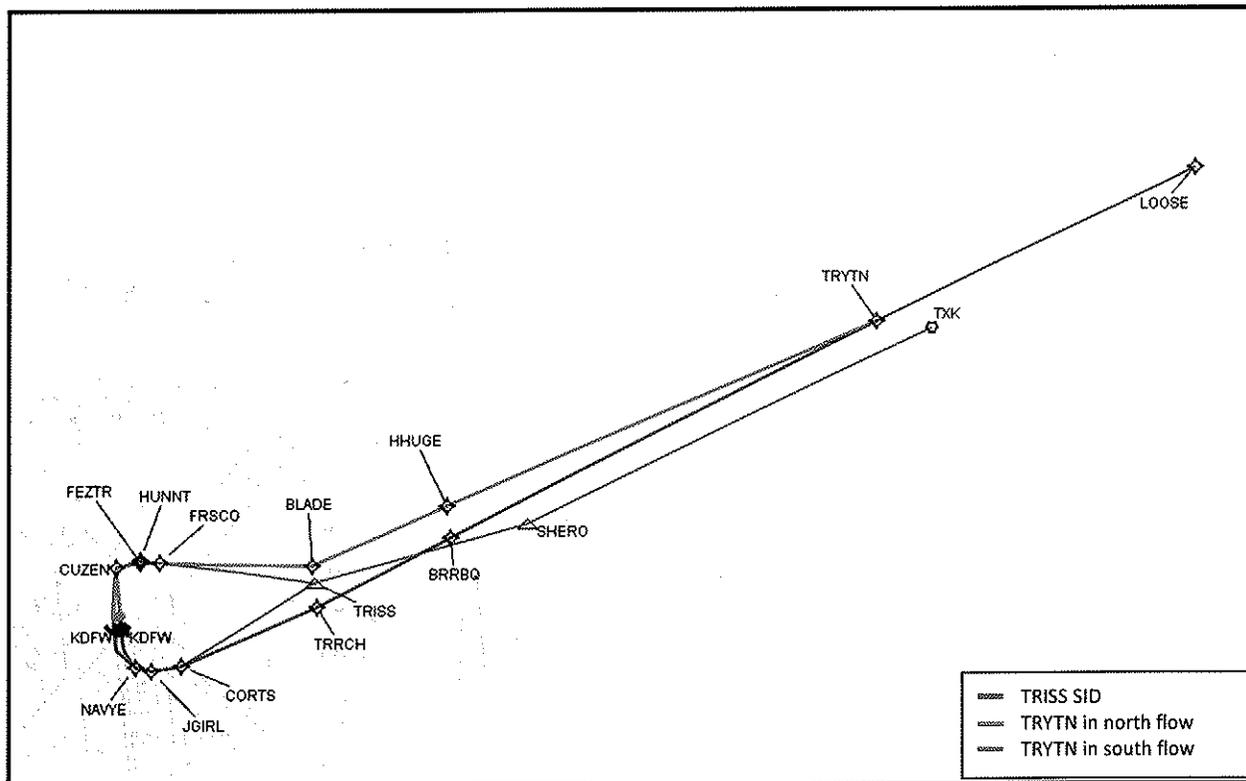


Figure 3. Proposed TRYTN RNAV SID and TRISS SID (Figure 4 in FD)

North Texas OAPM Design Package

DFW SIDs, ZACHH (SKTER), TRYTN, FORCK and MRSSH

DFW RNAV SIDs

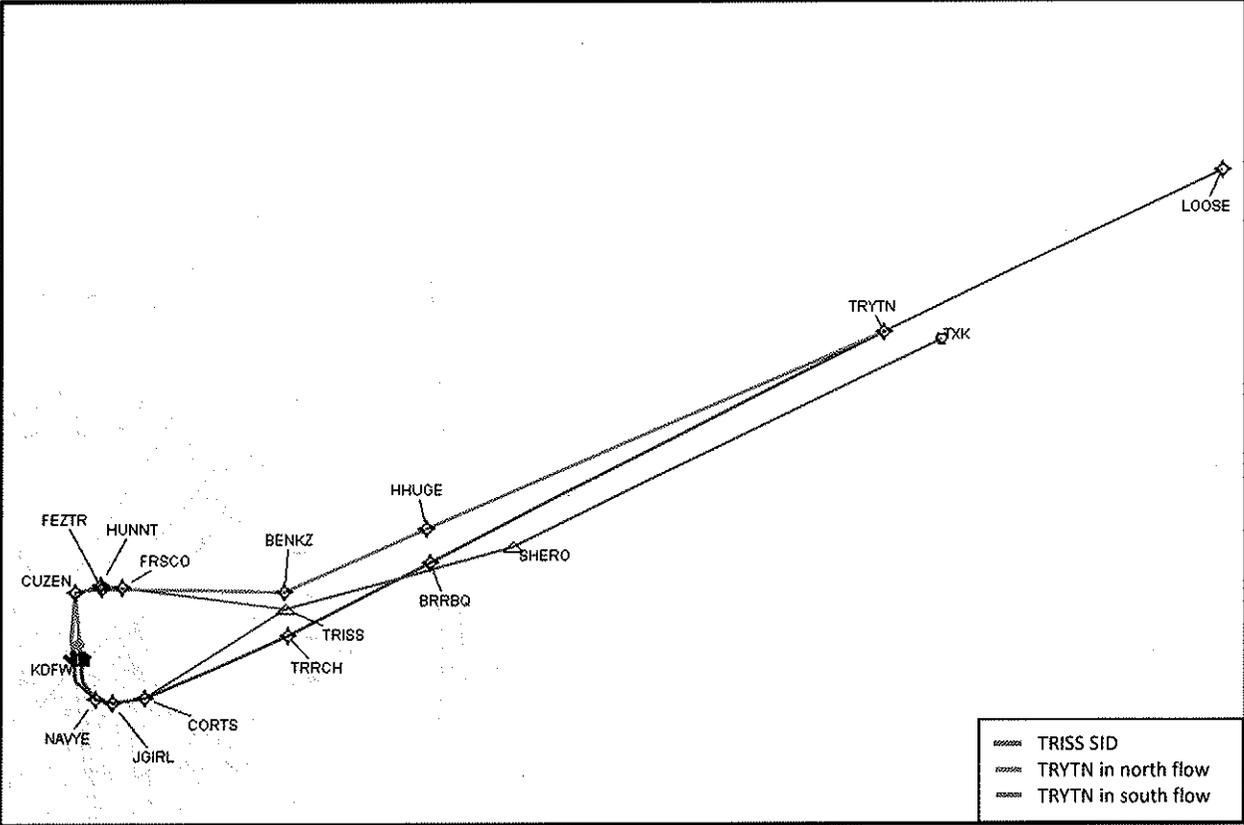


Figure 4. Proposed TRYTN RNAV SID and TRISS SID (Will replace Figure 4 in FD)

North Texas OAPM Design Package

DFW SIDs, ZACHH (SKTER), TRYTN, FORCK and MRSSH

DFW RNAV SIDs

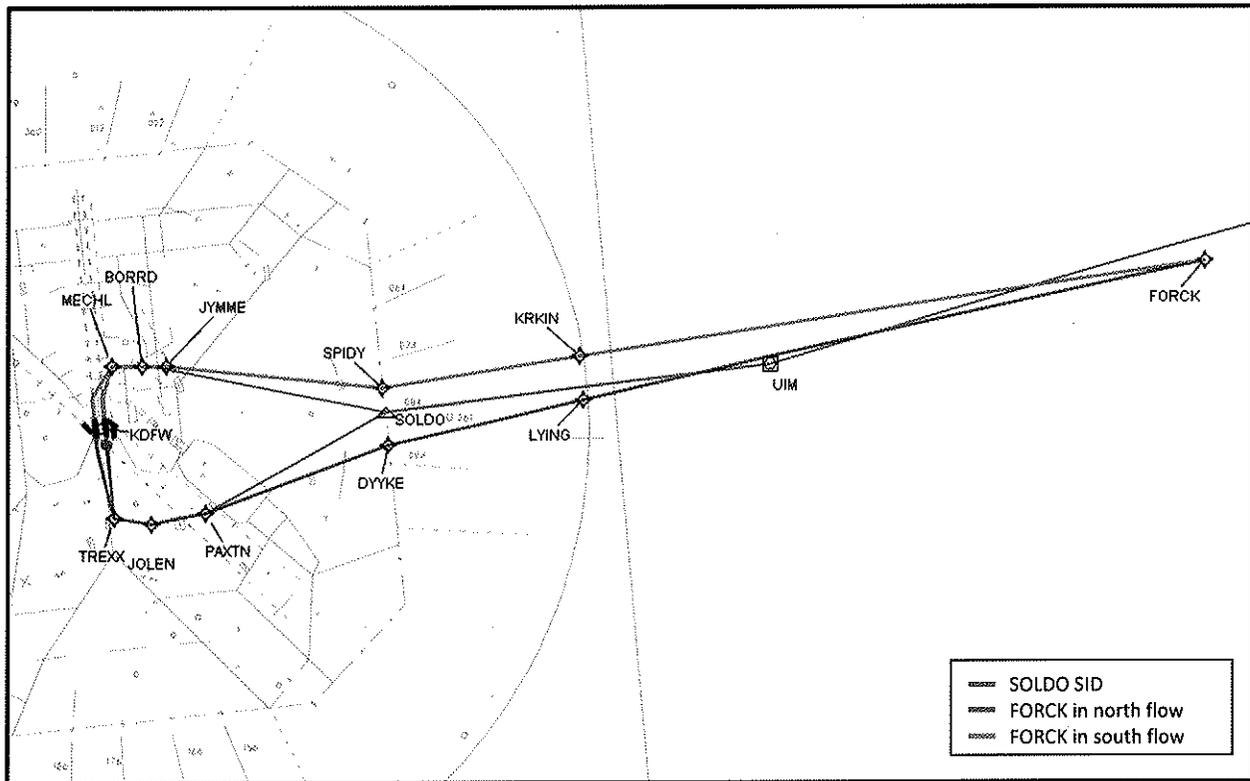


Figure 5. Proposed FORCK RNAV SID and SOLDO SID (Figure 5 in FD)

North Texas OAPM Design Package

DFW SIDs, ZACHH (SKTER), TRYTN, FORCK and MRSSH

DFW RNAV SIDs

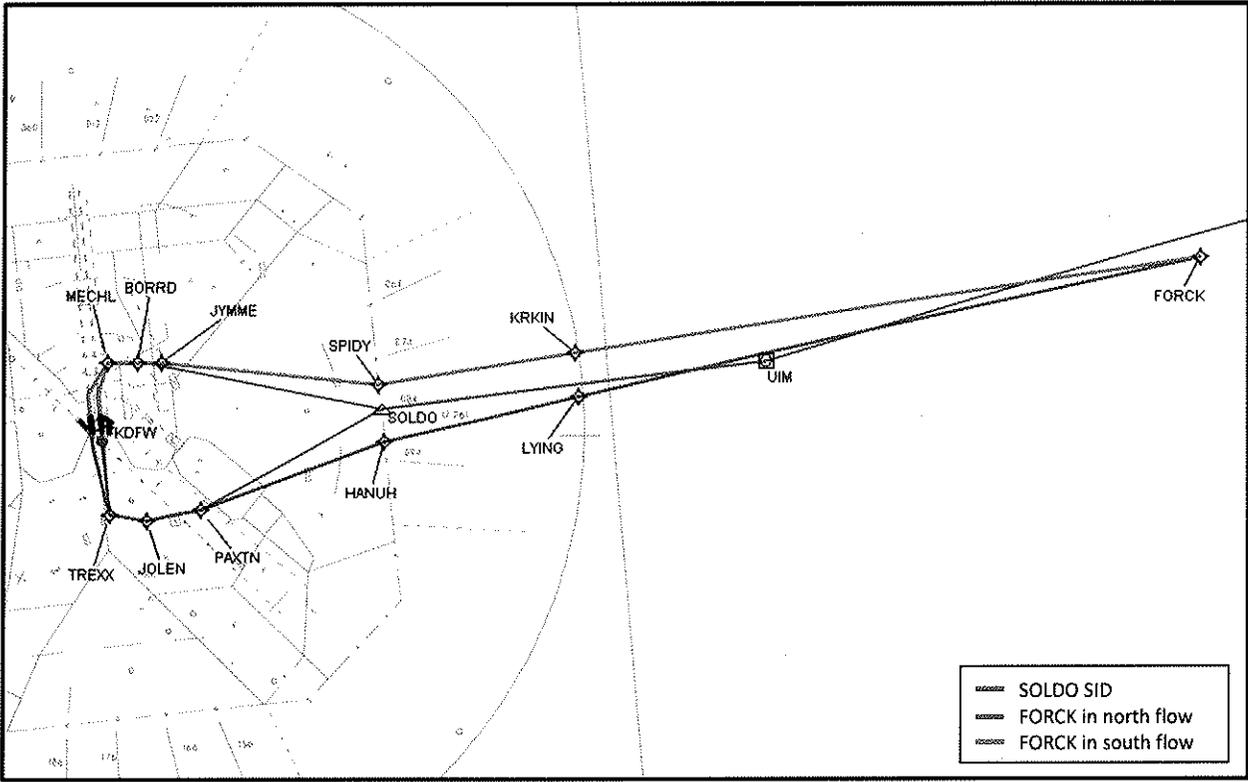


Figure 6. Proposed FORCK RNAV SID and SOLDO SID (Will replace Figure 5 in FD)

North Texas OAPM Design Package
DFW SIDs, ZACHH (SKTER), TRYTN, FORCK and MRSSH
DFW RNAV SIDs

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North Texas OAPM Design Package

DFW SIDs, ZACHH, TRYTN, FORCK and MRSSH DFW RNAV SIDs

RECORD OF CHANGE

Change Number	Date	Document
005	03/10/2014	FORCK, MRSSH, ZACHH and TRYTN RNAV SIDs
Updated TARGETS File	Updated TARGETS Distro	Updated Associated Data Files (if any)
DFW TRYTN1 FD 20140305.tgs	TBD	N/A

Description of Change

On the TRYTN RNAV SID, BRRBQ waypoint was renamed JAYXX waypoint due to waypoint name reservation availability.

Figure 2 below replaced Figure 4 in the FD.

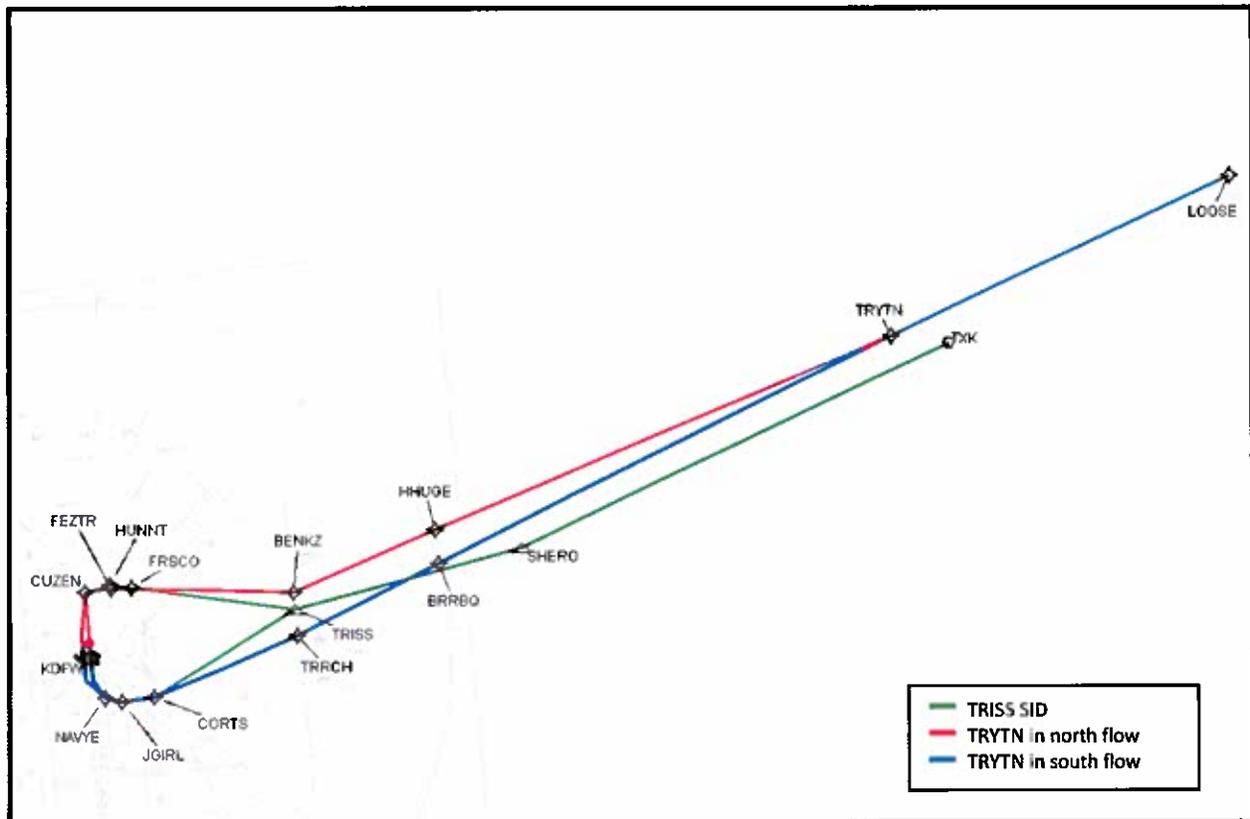


Figure 1. Proposed TRYTN RNAV SID and TRISS SID (Figure 4 in FD)

North Texas OAPM Design Package

DFW SIDs, ZACHH, TRYTN, FORCK and MRSSH DFW RNAV SIDs

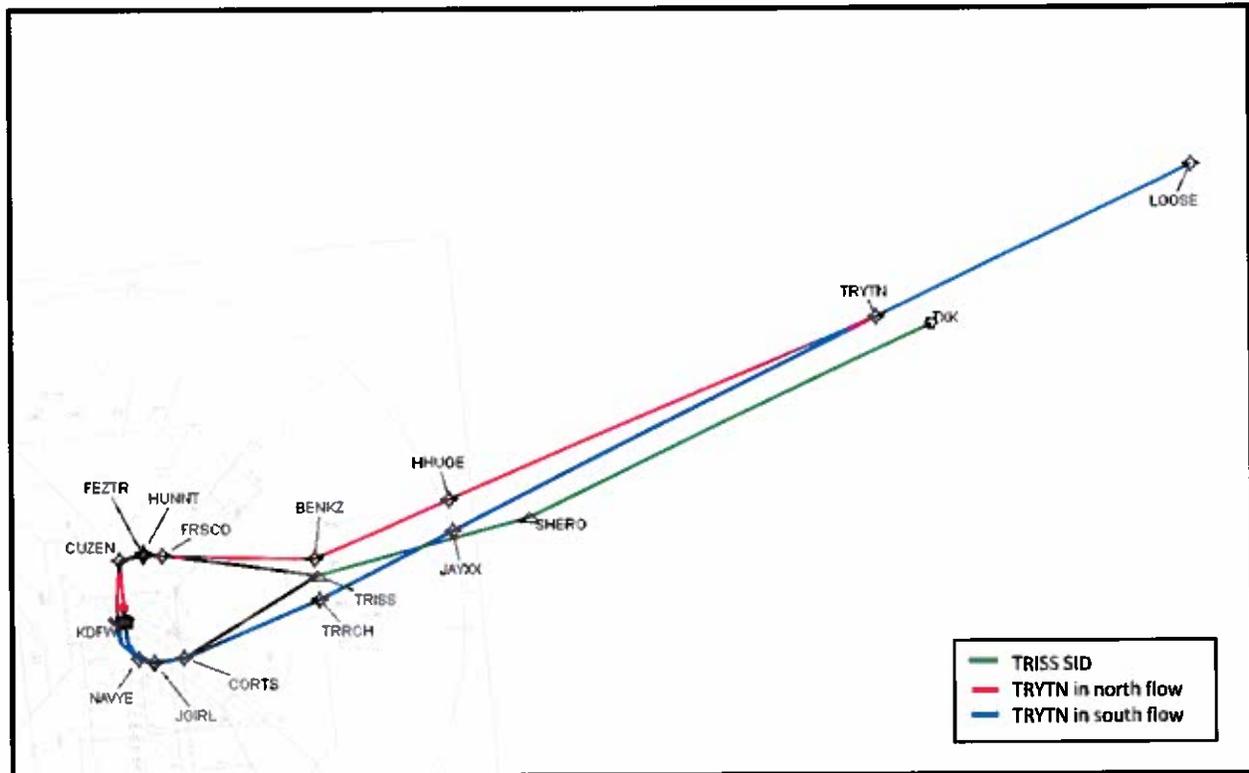
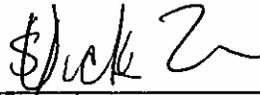


Figure 2. Proposed TRYTN RNAV SID and TRISS SID (Will replace Figure 4 in FD)

**North Texas OAPM Design Package
DFW SIDs, ZACHH, TRYTN, FORCK and MRSSH DFW RNAV
SIDs**

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North Texas OAPM Design Package

DFW STARS, FORNY (BAWLZ) and CABBY DFW RNAV STARS

RECORD OF CHANGE

Change Number	Date	Document
001	01/13/2014	FORNY (BAWLZ) and CABBY RNAV STARS
Updated TARGETS File	Updated TARGETS Distro	Updated Associated Data Files (if any)
DFW FORNY1 FD 20140109	TBD	N/A

Description of Change

On the BAWLZ RNAV STAR, BAWLZ waypoint was renamed FORNY waypoint due to questionable appropriateness of the name. Therefore, the BAWLZ RNAV STAR was renamed the FORNY RNAV STAR.

Figure 2 below replaced Figure 3 in the PFD.

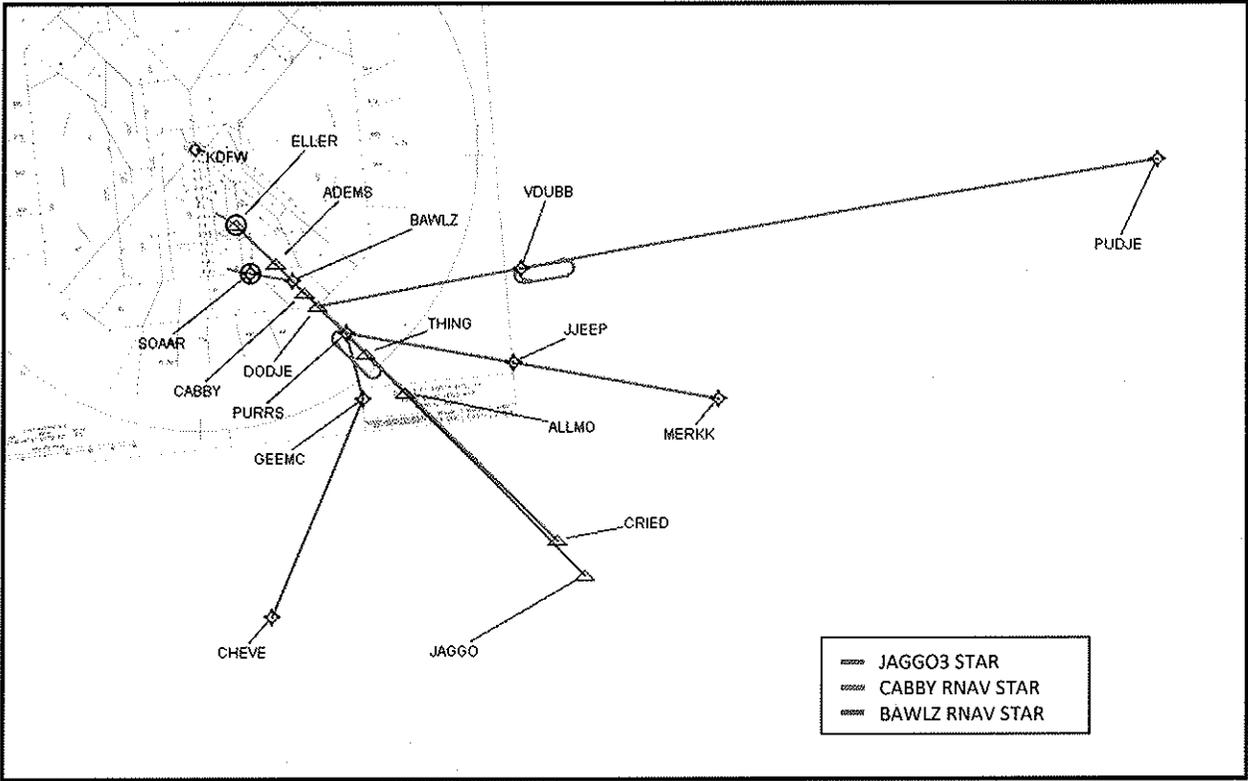


Figure 1. Proposed BAWLZ and CABBY RNAV STARS and JAGGO THREE STAR (Figure 3 in PFD)

North Texas OAPM Design Package

DFW STARS, FORNY (BAWLZ) and CABBY DFW RNAV STARS

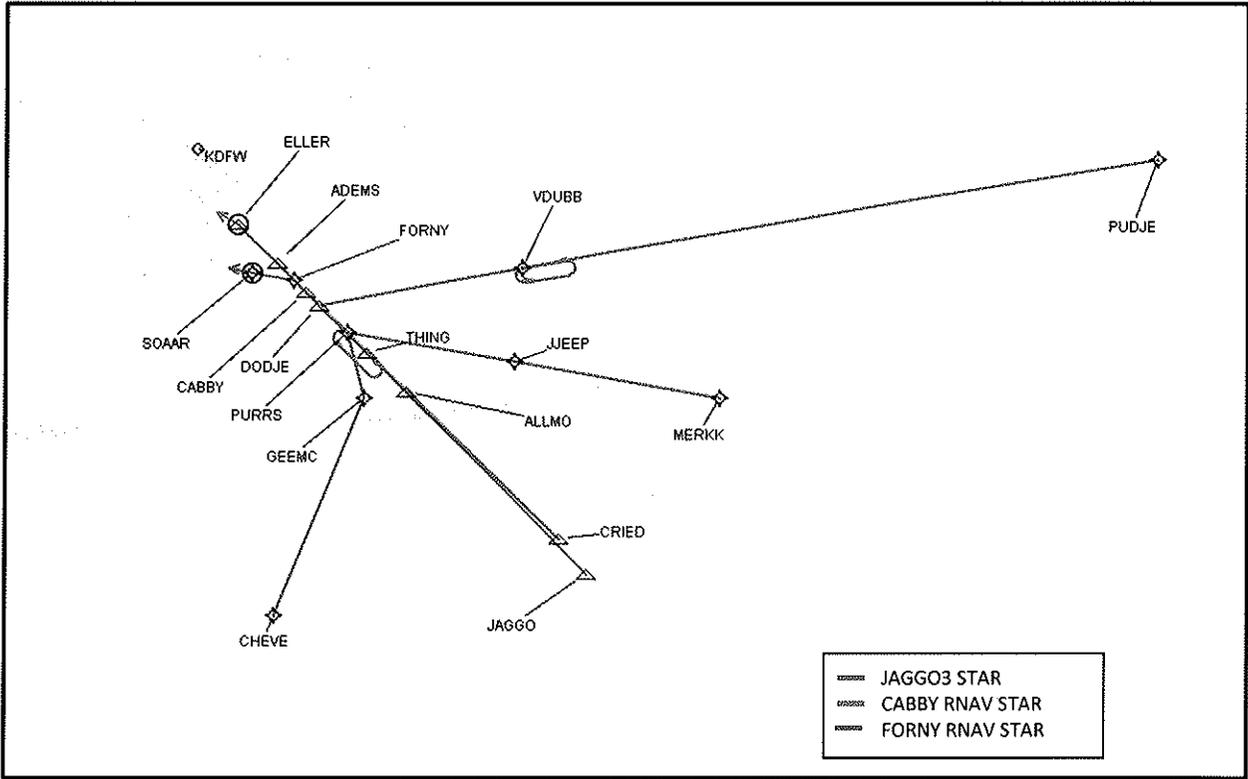
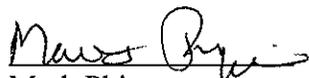


Figure 2. Proposed FORNY and CABBY RNAV STARS and JAGGO THREE STAR (Will replace Figure 3 in PFD)

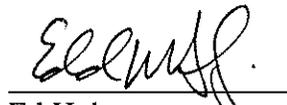
North Texas OAPM Design Package

DFW STARs, FORNY (BAWLZ) and CABBY DFW RNAV STARs

Design Team Lead's signatures indicate the appropriate coordination with any concerned parties has been conducted with regards to the changes/amendments listed on this document.


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North Texas OAPM Design Package

DFW STARs, GIBBI and SHAAM DFW RNAV STARs

RECORD OF CHANGE

Change Number	Date	Document
003	05/08/2014	GIBBI and SHAAM RNAV STARs
Updated TARGETS File	Updated TARGETS Distro	Updated Associated Data Files (if any)
DFW GIBBI1 FD 20130909.tgs DFW SHAAM1 FD 20140411.tgs	TBD	N/A

Description of Change

On the GIBBI and SHAAM RNAV STARs, ZORDA waypoint was renamed LAZZE waypoint due to ZORDA being moved on another procedure.

Figure 2 below replaced Figure 3 in the PFD.

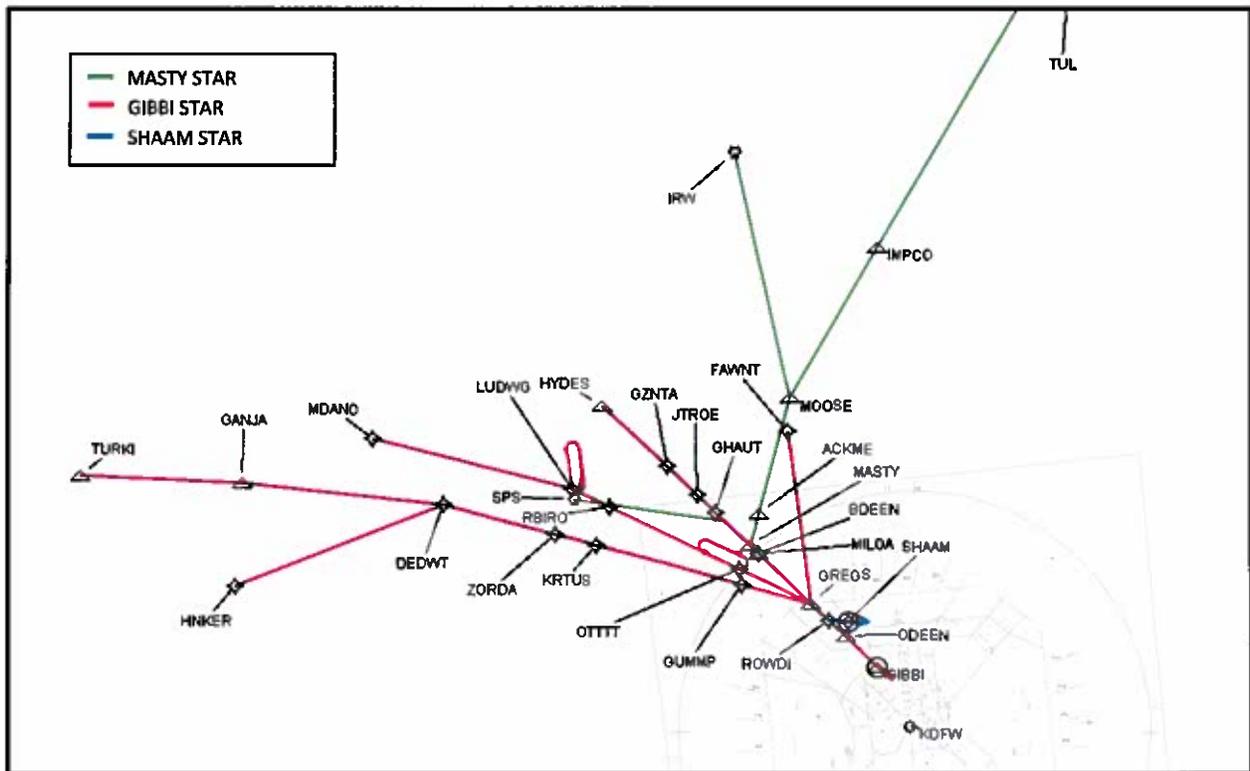


Figure 1. Proposed GIBBI and SHAAM RNAV STARs and MASTY STAR (Figure 3 in PFD)

North Texas OAPM Design Package

DFW STARs, GIBBI and SHAAM DFW RNAV STARs

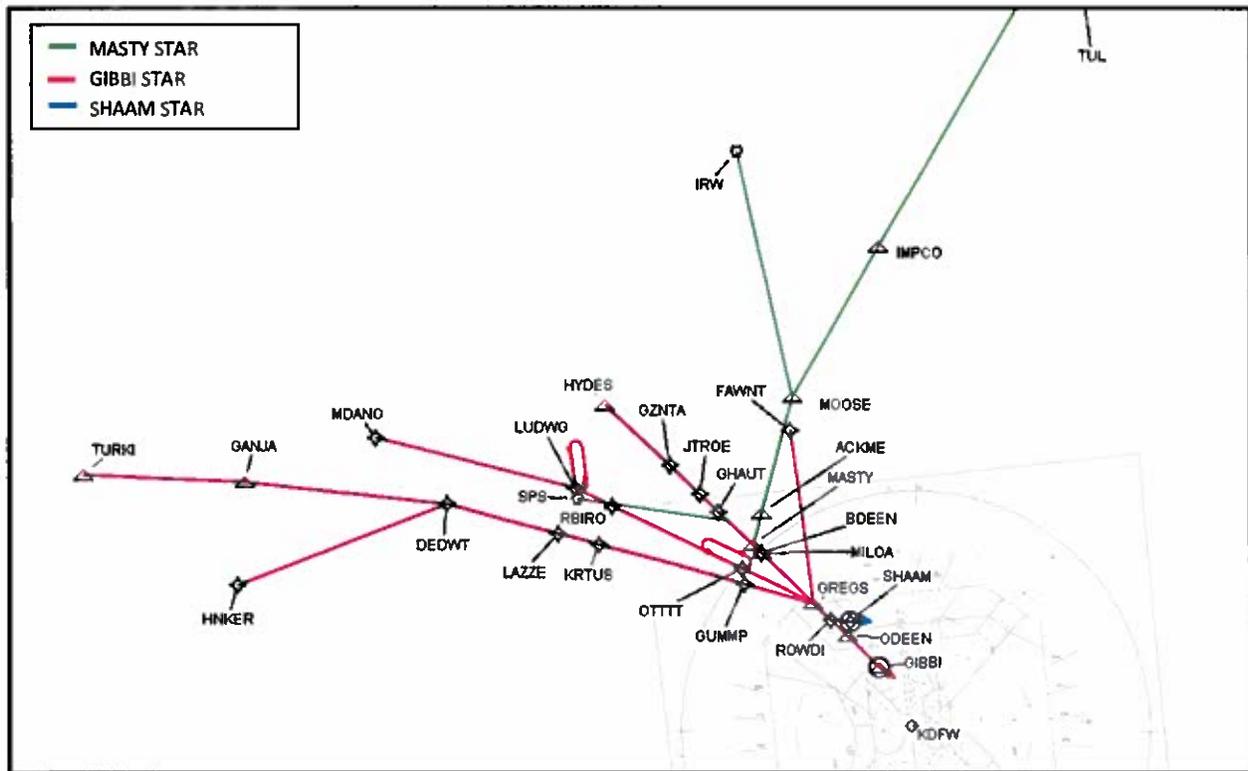
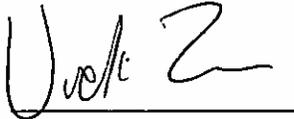


Figure 2. Proposed GIBBI and SHAAM RNAV STARs and MASTY STAR (Will replace Figure 3 of PFD)

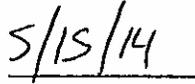
North Texas OAPM Design Package

DFW STARs, GIBBI and SHAAM DFW RNAV STARs

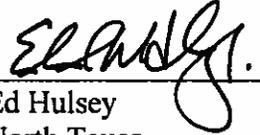
Design Team Lead's signatures indicate the appropriate coordination with any concerned parties has been conducted with regards to the changes/amendments listed on this document.



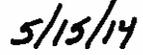
Vicki Turner
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Date

North Texas OAPM Design Package

Conventional STARS, GLEN ROSE CONV STAR

RECORD OF CHANGE

Change Number	Date	Document
003	05/08/2014	GLEN ROSE Conventional STAR
Updated TARGETS File	Updated TARGETS Distro	Updated Associated Data Files (if any)
N/A	TBD	N/A

Description of Change

On the GLEN ROSE Conventional STAR, in Figure 1 holding patterns were added at PHILS, CADES, JUMBO, CHECK and SICUM waypoints, and BROWNWOOD (BWD) and JEN VORTACs. These changes are due to incorrect TARGETS files initially used.

Figure 2 below replaced Figure 1 in the PFD.

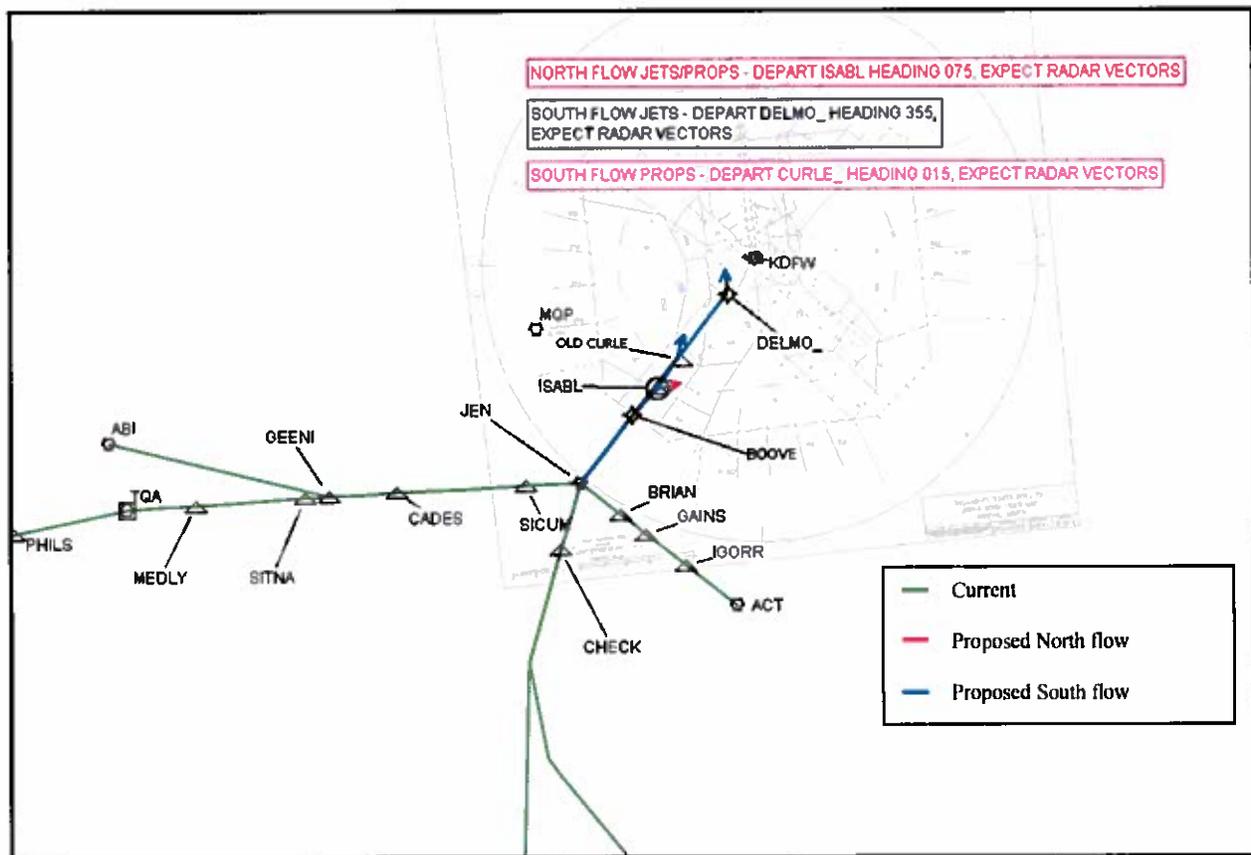


Figure 1. Proposed GLEN ROSE STAR and Current GLEN ROSE STAR (Figure 1 of PFD)

North Texas OAPM Design Package

Conventional STARs, GLEN ROSE CONV STAR

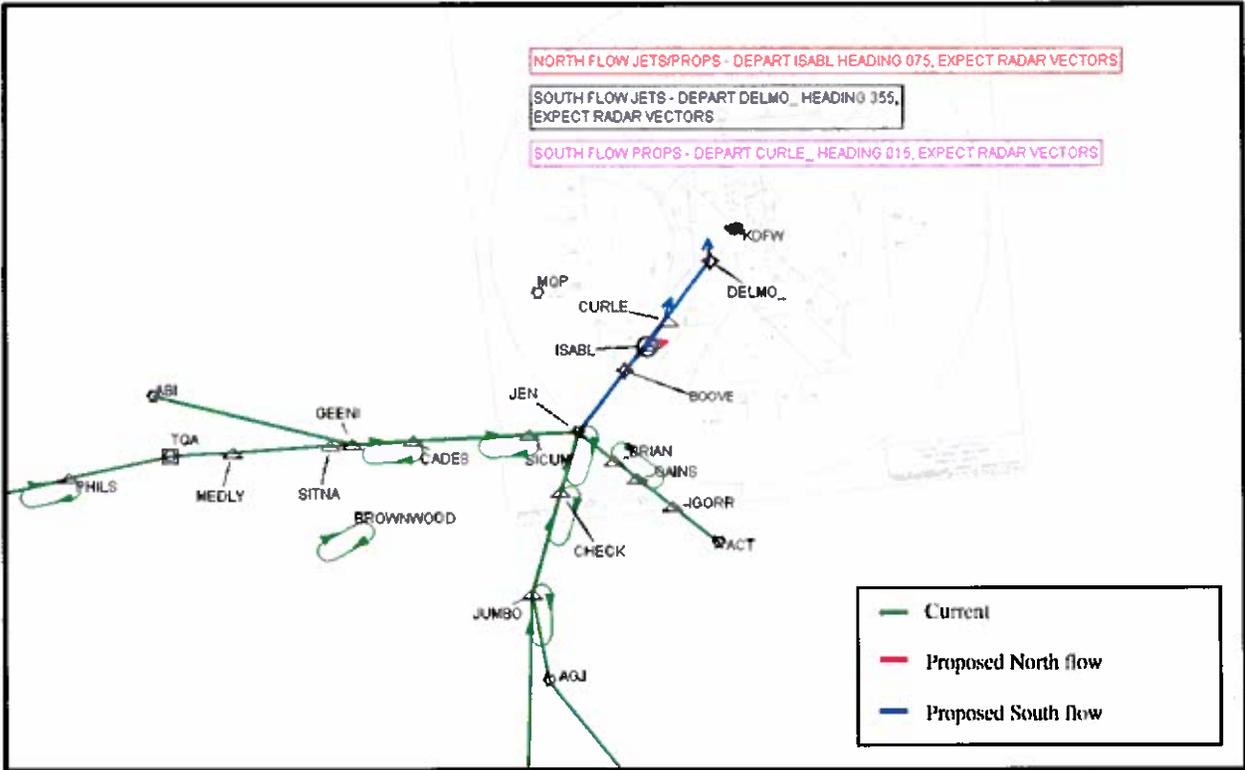
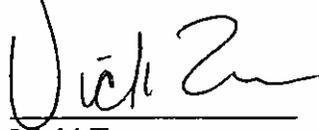


Figure 2. Proposed GLEN ROSE STAR and Current GLEN ROSE STAR (Will replace Figure 1 of PFD)

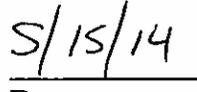
North Texas OAPM Design Package

Conventional STARs, GLEN ROSE CONV STAR

Design Team Lead's signatures indicate the appropriate coordination with any concerned parties has been conducted with regards to the changes/amendments listed on this document.



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North Texas OAPM Design Package Conventional STARS, GREGS CONV STAR

RECORD OF CHANGE

Change Number	Date	Document
003	05/08/2014	GREGS Conventional STAR
Updated TARGETS File	Updated TARGETS Distro	Updated Associated Data Files (if any)
N/A	TBD	N/A

Description of Change

On the GREGS Conventional STAR, in Figure 1 holding patterns were added at MOOSE, ACKME, PLEBS, KAJAY, ZANTO, TURKI and HEATR waypoints, and SPS and UKW VORTACs. These changes are due to incorrect TARGETS files initially used.

Figure 2 below replaced Figure 1 in the PFD.

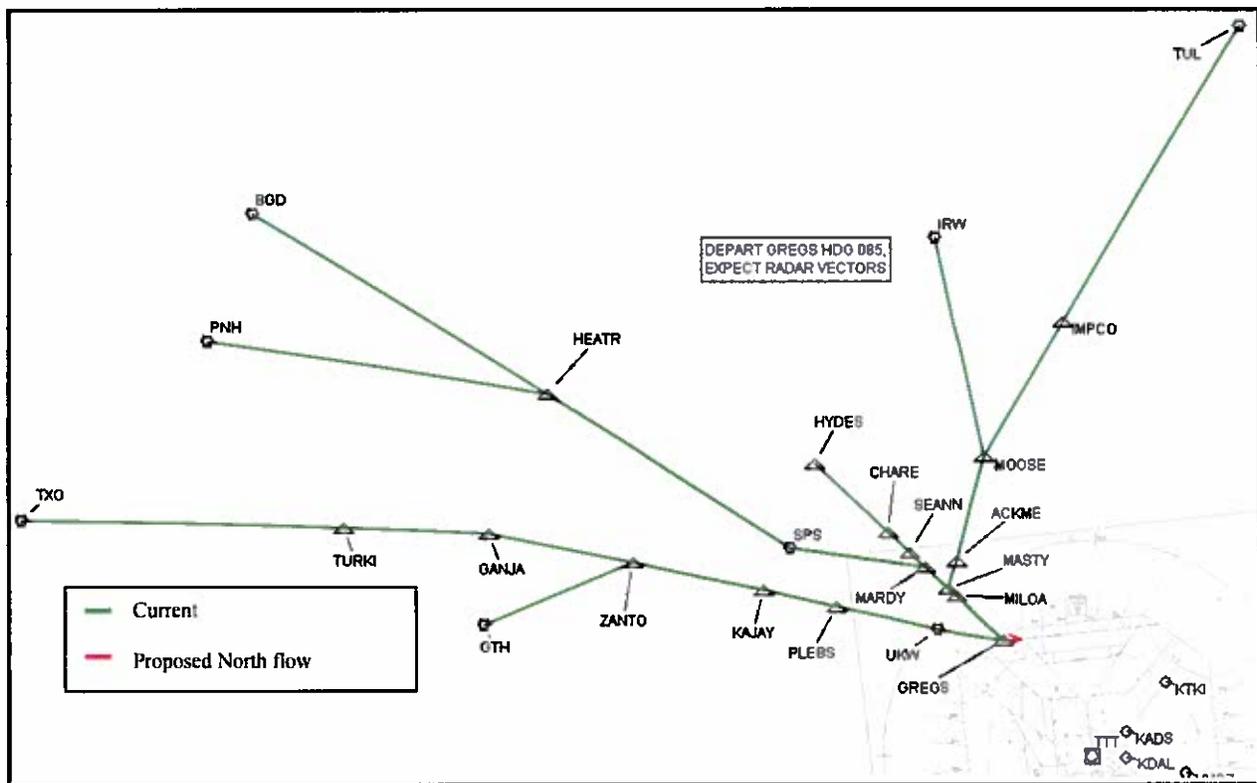


Figure 1. Proposed GREGS STAR and Current GREGS STAR (Figure 1 of PFD)

North Texas OAPM Design Package

Conventional STARS, GREGS CONV STAR

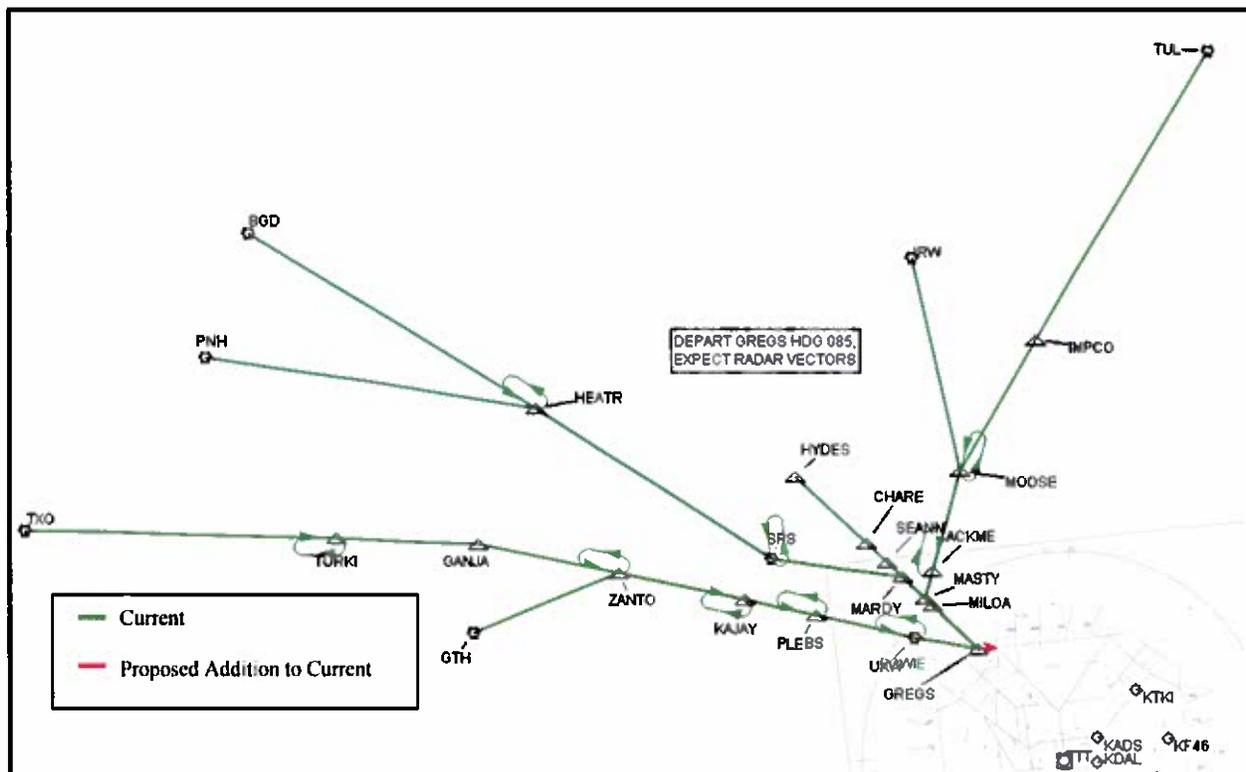
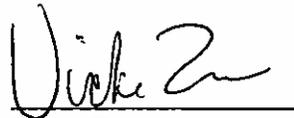


Figure 2. Proposed GREGS STAR and Current GREGS STAR (Will replace Figure 1 of PFD)

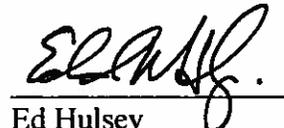
North Texas OAPM Design Package Conventional STARS, GREGS CONV STAR

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North Texas OAPM Design Package

DAL STARs, HIBIL and TRYST DAL RNAV STARs

RECORD OF CHANGE

Change Number	Date	Document
004	05/05/2014	HIBIL and TRYST RNAV STARs
Updated TARGETS File	Updated TARGETS Distro	Updated Associated Data Files (if any)
N/A	TBD	N/A

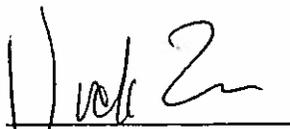
Description of Change

Based on ATSAP feedback from Memphis ARTCC (ZME), under **Proposed Design** the sentence "The JRHED transition will be ATC assigned only."

North Texas OAPM Design Package

DAL STARS, HIBIL and TRYST DAL RNAV STARS

Design Team Lead's signatures indicate the appropriate coordination with any concerned parties has been conducted with regards to the changes/amendments listed on this document.



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5/15/14
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North Texas OAPM Design Package

Satellite SIDs, HOWIG (DAMNS) and SWABR SAT RNAV SIDs

RECORD OF CHANGE

Change Number	Date	Document
004	01/17/2014	HOWIG (DAMNS) and SWABR RNAV SIDs
Updated TARGETS File	Updated TARGETS Distro	Updated Associated Data Files (if any)
SATS HOWIG1 FD 20140109.tgs SATS SWABR1 FD 20131204.tgs	TBD	N/A

Description of Change

After discussions between Dallas-Fort Worth TRACON (D10) and Fort Worth Air Route Traffic Control Center (ZFW) the following changes were made under **Proposed Design**.

The sentence:

“West bound turbojet aircraft departing from the eastern satellite airports may be stacked above the DFW/DAL west bound departures, and west bound turbojet aircraft departing from the western satellite airports may be stacked below the DFW/DAL departures”

Was amended to read:

“West bound turbojet aircraft departing from DAL and the eastern satellite airports may be stacked above the DFW west bound departures, and west bound turbojet aircraft departing from the western satellite airports may be stacked below the DFW departures.”

On the SWABR RNAV SID, EARLL waypoint was renamed DONMO waypoint due to waypoint name reservation availability.

On the DAMNS RNAV SID, NUDIE waypoint was renamed BGLEE waypoint, OWLLL waypoint was renamed HOOTT waypoint and DAMNS waypoint was renamed HOWIG waypoint due to waypoint name reservation availability and a similar sounding waypoint on an adjacent procedure. Therefore, the DAMNS RNAV SID was renamed the HOWIG RNAV SID.

Figure 2 below replaced Figure 1 in the FD.

Figure 4 below replaced Figure 2 in the FD.

North Texas OAPM Design Package

Satellite SIDs, HOWIG (DAMNS) and SWABR SAT RNAV SIDs

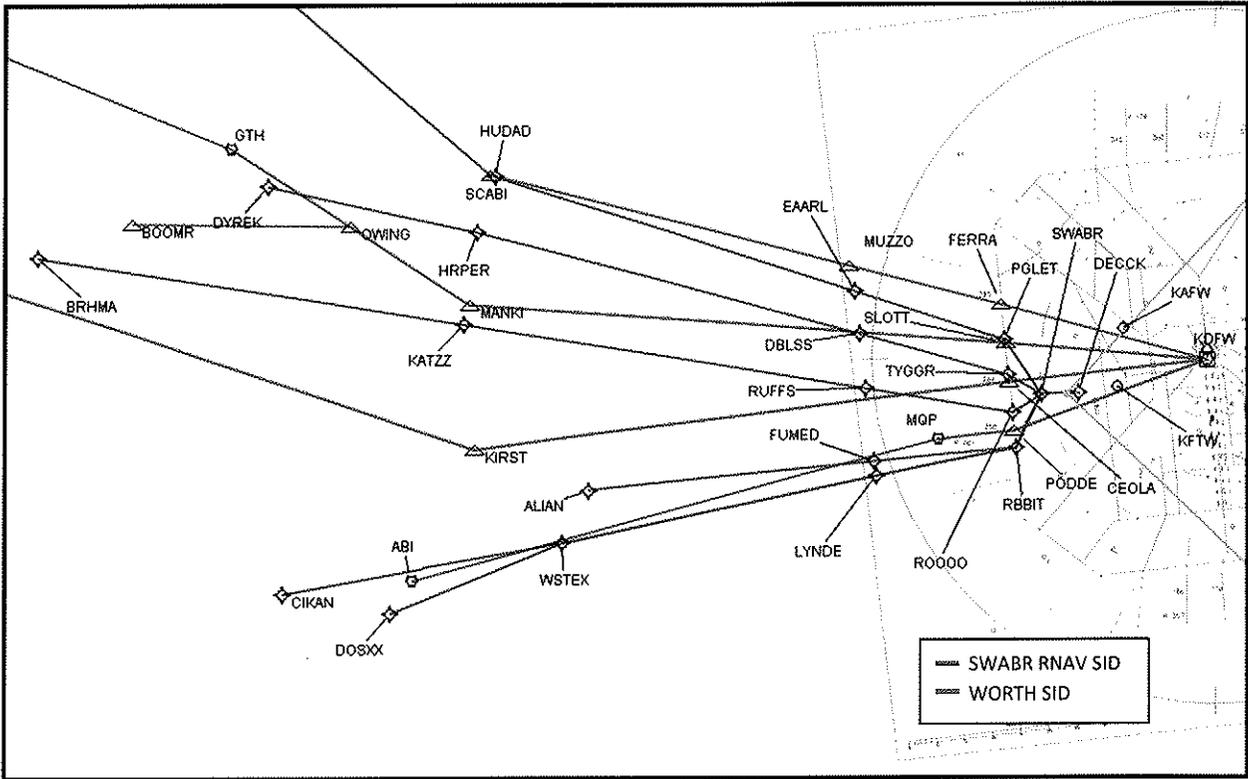


Figure 1. Proposed SWABR RNAV SID and WORTH SID (Figure 1 in FD)

North Texas OAPM Design Package

Satellite SIDs, HOWIG (DAMNS) and SWABR SAT RNAV SIDs

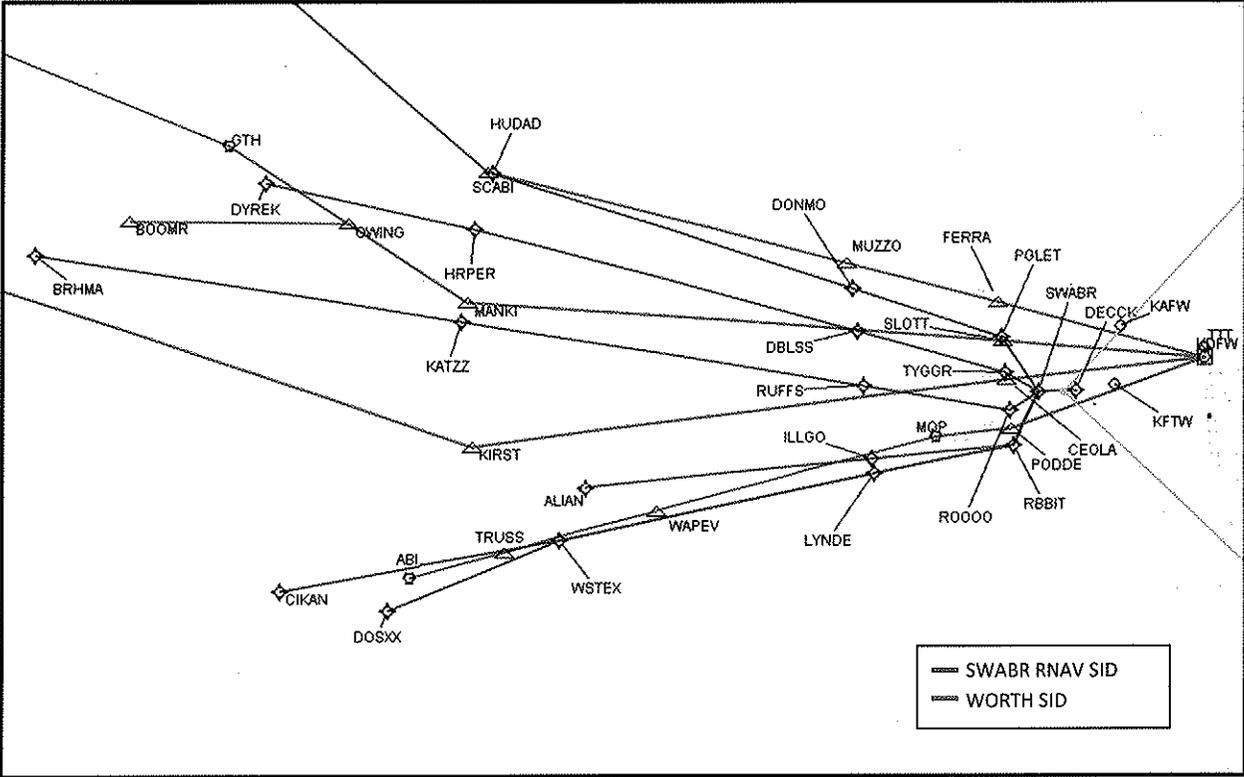


Figure 2. Proposed SWABR RNAV SID and WORTH SID (Will replace Figure 1 in FD)

North Texas OAPM Design Package

Satellite SIDs, HOWIG (DAMNS) and SWABR SAT RNAV SIDs

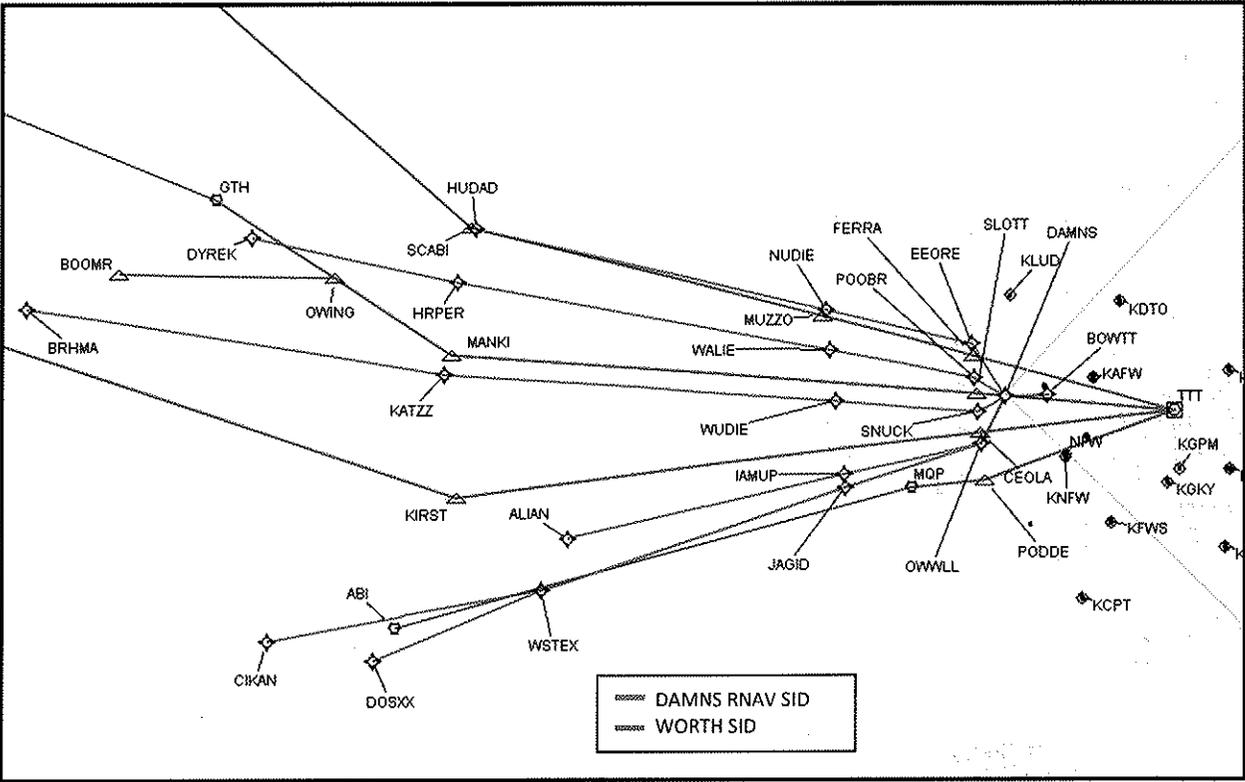


Figure 3. Proposed DAMNS RNAV SID and WORTH SID (Figure 2 in FD)

North Texas OAPM Design Package

Satellite SIDs, HOWIG (DAMNS) and SWABR SAT RNAV SIDs

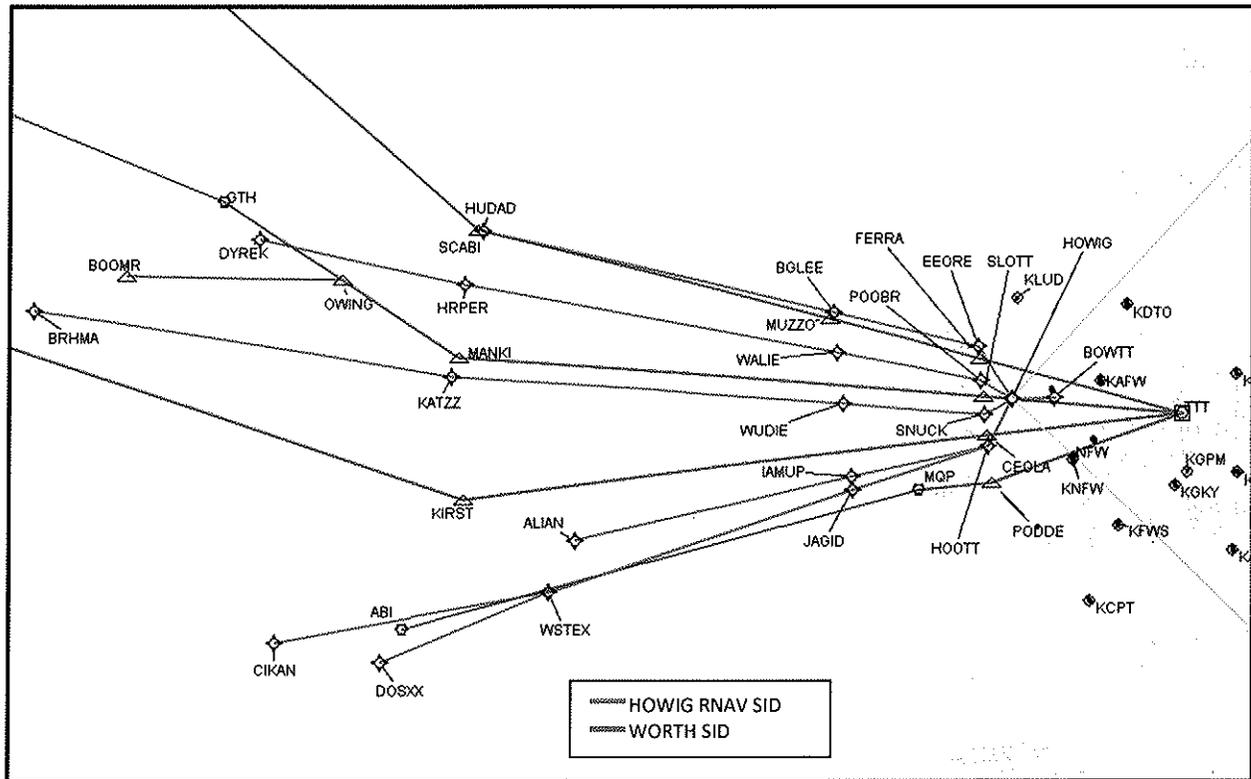


Figure 4. Proposed HOWIG SID and WORTH SID (Will replace Figure 2 in FD)

North Texas OAPM Design Package

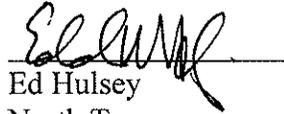
Satellite SIDs, HOWIG (DAMNS) and SWABR SAT RNAV SIDs

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Satellite SIDs, HOWIG and SWABR SAT RNAV SIDs

RECORD OF CHANGE

Change Number	Date	Document
005	03/10/2014	HOWIG and SWABR RNAV SIDs
Updated TARGETS File	Updated TARGETS Distro	Updated Associated Data Files (if any)
SATS SWABR1 FD 20140306.tgs	TBD	N/A

Description of Change

On the SWABR RNAV SID, DONMO waypoint was renamed MUTEE waypoint because it has the same coordinates as MUTEE on the HUDAD and KKITY RNAV SIDs.

Figure 2 below replaced Figure 1 in the PFD.

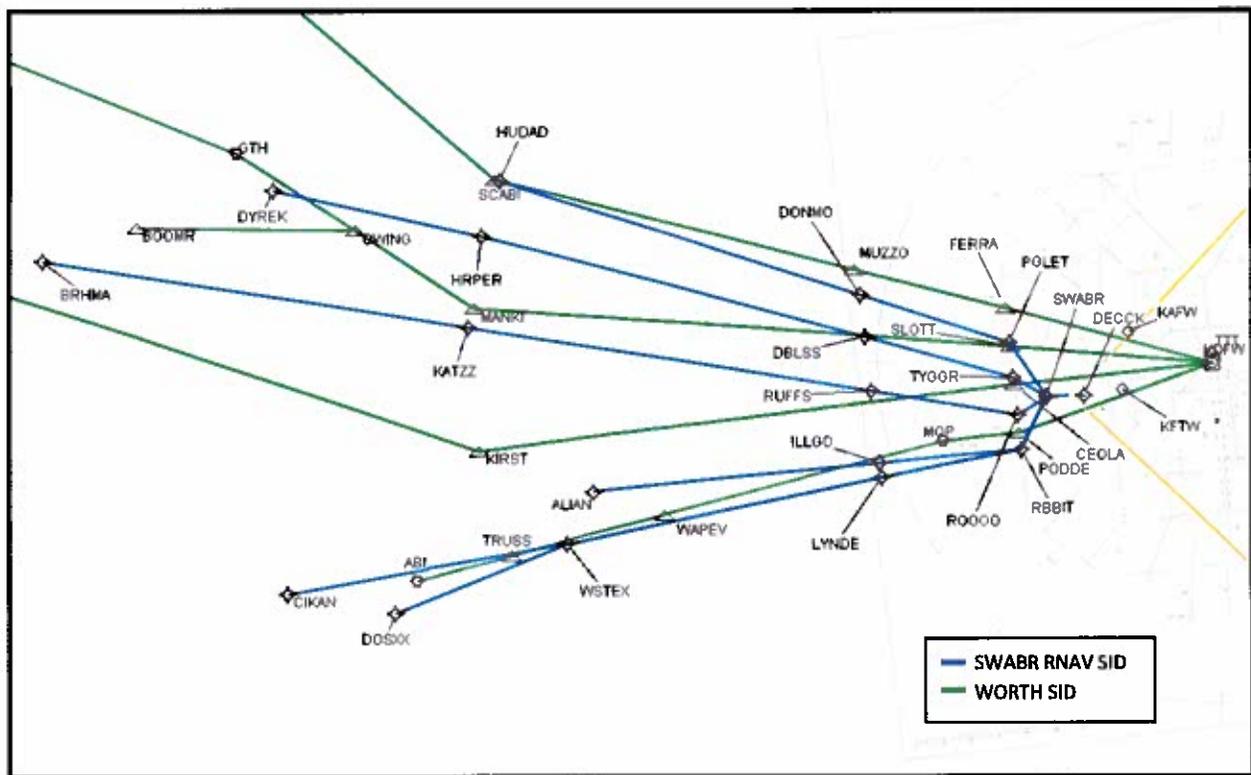


Figure 1. Proposed SWABR RNAV SID and WORTH SID (Figure 1 in PFD)

North Texas OAPM Design Package

Satellite SIDs, HOWIG and SWABR SAT RNAV SIDs

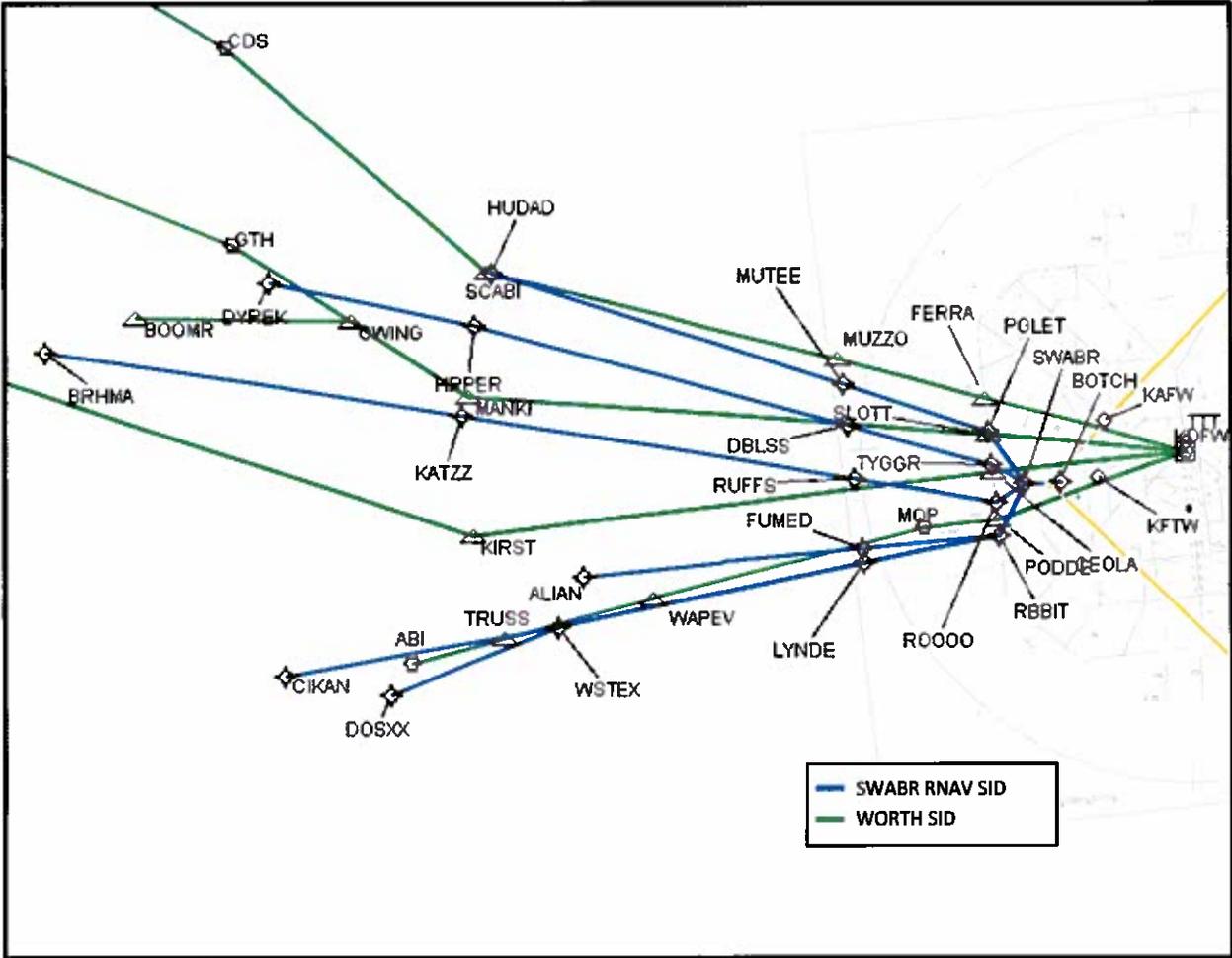
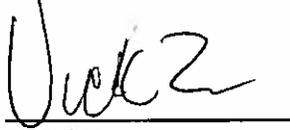


Figure 2. Proposed SWABR RNAV SID and WORTH SID (Will replace Figure 1 in PFD)

North Texas OAPM Design Package

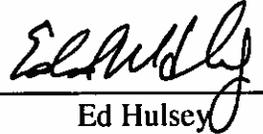
Satellite SIDs, HOWIG and SWABR SAT RNAV SIDs

Design Team Lead's signatures indicate the appropriate coordination with any concerned parties has been conducted with regards to the changes/amendments listed on this document.



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North Texas OAPM Design Package

Satellite STARS, JFRYE and WESAT SAT RNAV STARS

RECORD OF CHANGE

Change Number	Date	Document
004	05/05/2014	JFRYE and WESAT RNAV STARS
Updated TARGETS File	Updated TARGETS Distro	Updated Associated Data Files (if any)
W SAT WESAT1 FD 20140502.tgs	TBD	N/A

Description of Change

On the WESAT RNAV STAR in Figure 2 a holding pattern was added to MOOSE waypoint.

This change is due to errors on the TARGETS files initially used.

Figure 2 below replaced Figure 2 in the PFD.

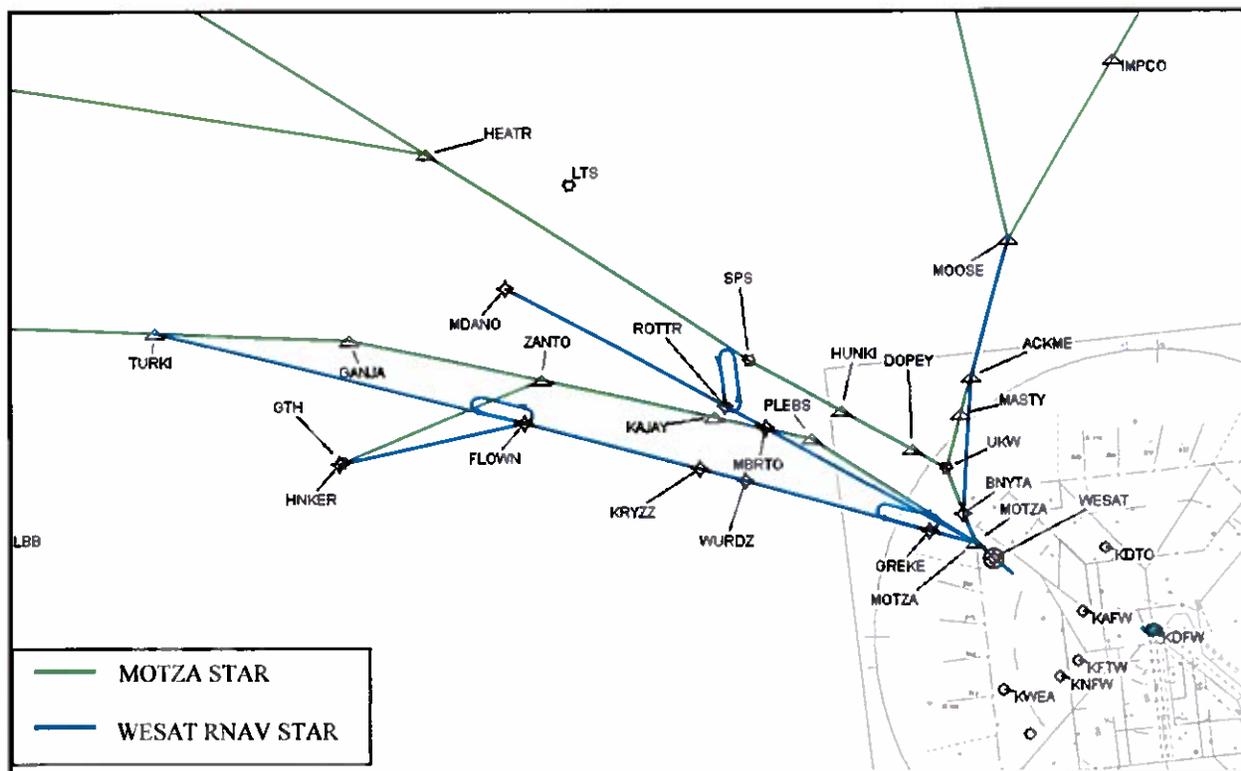


Figure 1. Proposed WESAT RNAV STAR and MOTZA STAR (Figure 2 in PFD)

North Texas OAPM Design Package

Satellite STARs, JFRYE and WESAT SAT RNAV STARs

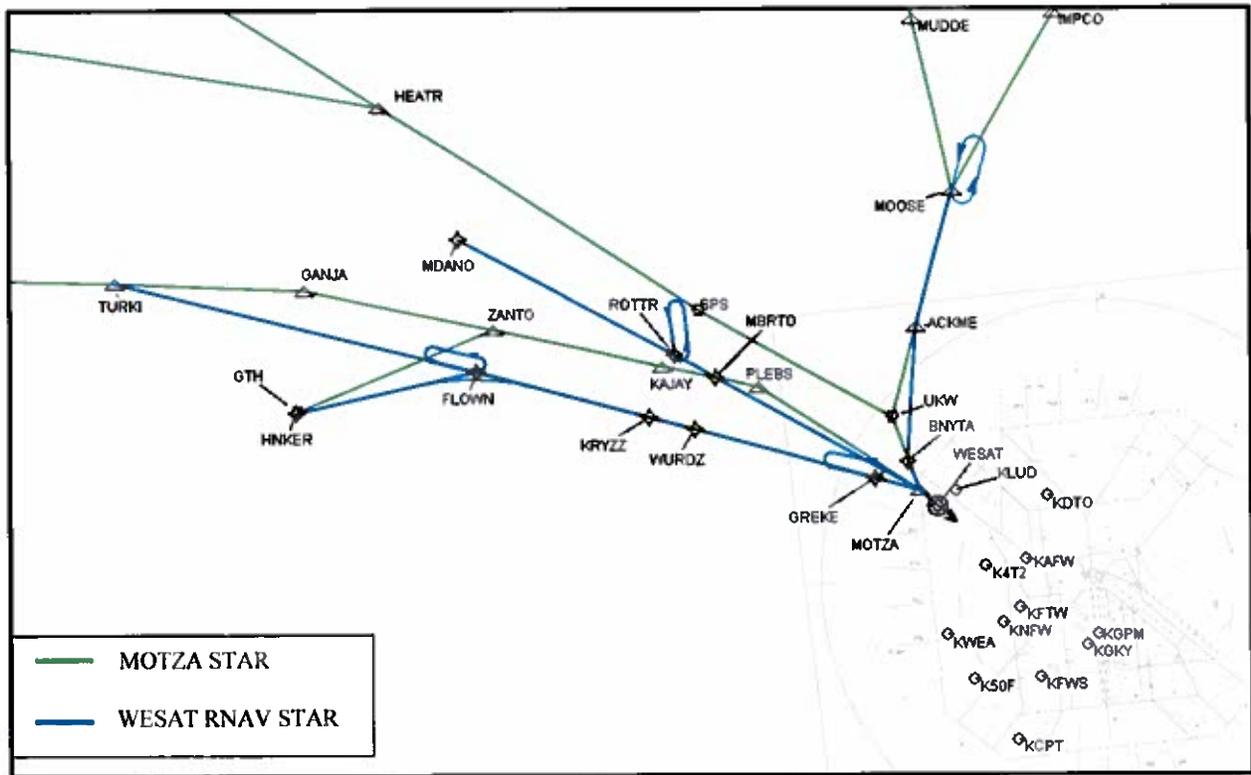


Figure 2. Proposed WESAT RNAV STAR and MOTZA STAR (Will replace Figure 2 of PFD)

North Texas OAPM Design Package

Satellite STARS, JFRYE and WESAT SAT RNAV STARS

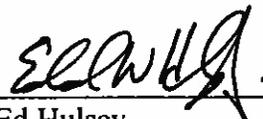
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North Texas OAPM Design Package

DAL SIDs, SNET and KKITY DAL RNAV SIDs

RECORD OF CHANGE

Change Number	Date	Document
003	01/17/2014	KKITY and SNET RNAV SIDs
Updated TARGETS File	Updated TARGETS Distro	Updated Associated Data Files (if any)
DAL SNET1 FD 20140109.tgs	TBD	N/A

Description of Change

After discussions between Dallas-Fort Worth TRACON (D10) and Fort Worth Air Route Traffic Control Center (ZFW) the following change was made under **Proposed Design**.

The sentence:

“West bound turbojet aircraft departing from the eastern satellite airports may be stacked above the DFW/DAL west bound departures, and west bound turbojet aircraft departing from the western satellite airports may be stacked below the DFW/DAL departures”

Was amended to read:

“West bound turbojet aircraft departing from DAL and the eastern satellite airports may be stacked above the DFW west bound departures, and west bound turbojet aircraft departing from the western satellite airports may be stacked below the DFW departures.”

On the SNET RNAV SID, AIKMN waypoint was renamed FLOWT waypoint and NUDIE waypoint was renamed BGLEE waypoint due to waypoint name reservation availability. OWWLL waypoint was renamed HOOTT waypoint due to a similar sounding waypoint on an adjacent procedure.

Figure 2 below replaced Figure 4 in the FD.

North Texas OAPM Design Package

DAL SIDs, SNSET and KKITY DAL RNAV SIDs

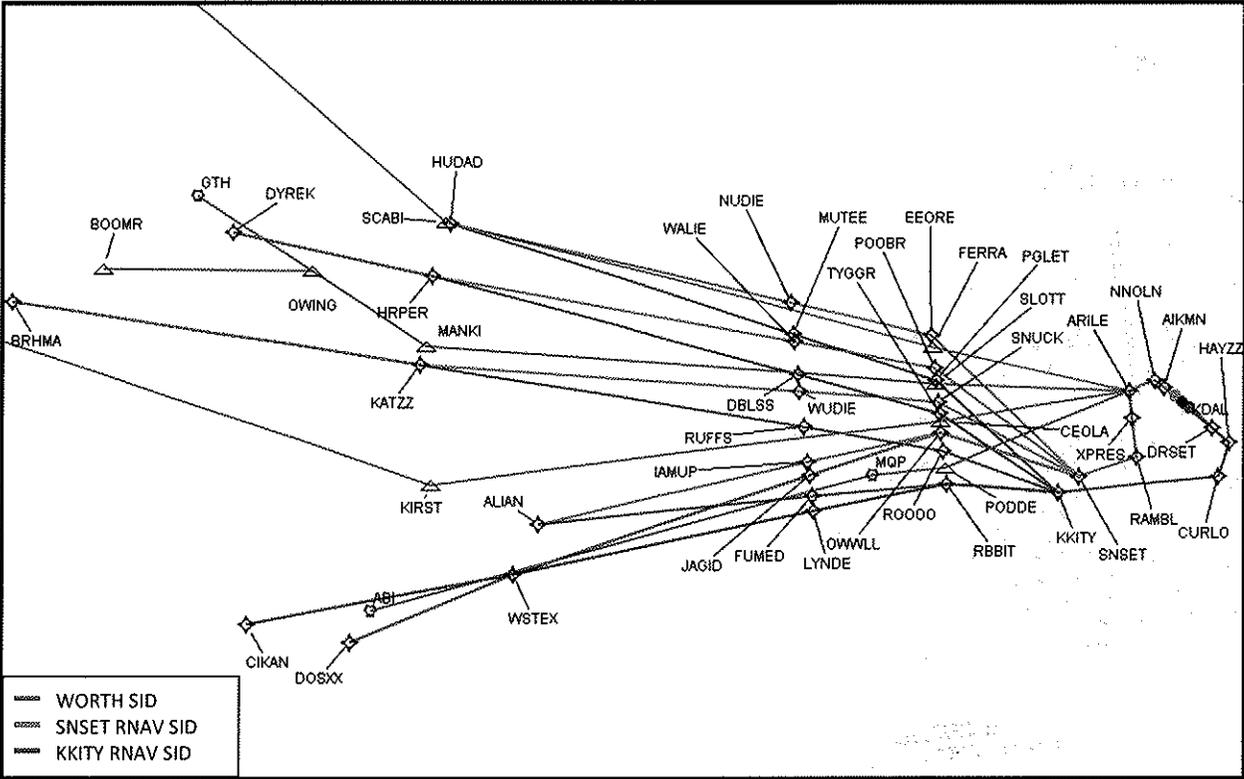


Figure 1. Proposed KKITY and SNSET RNAV SIDs and WORTH SID (Figure 4 in FD)

North Texas OAPM Design Package

DAL SIDs, SNET and KKITY DAL RNAV SIDs

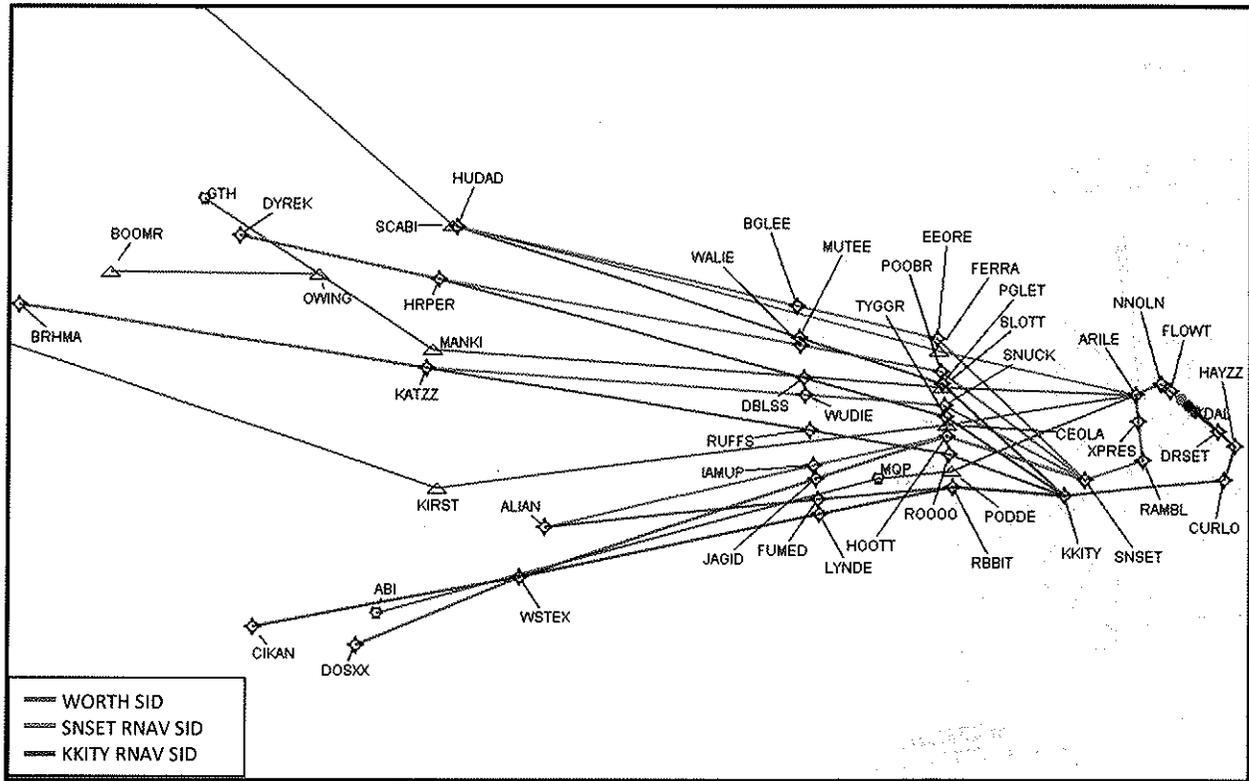
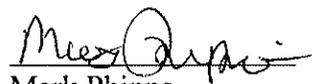


Figure 2. Proposed KKITY and SNET RNAV SIDs and WORTH SID (Will replace Figure 4 in FD)

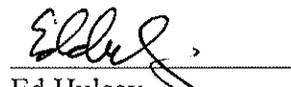
North Texas OAPM Design Package

DAL SIDs, SNET and KKITY DAL RNAV SIDs

Design Team Lead's signatures indicate the appropriate coordination with any concerned parties has been conducted with regards to the changes/amendments listed on this document.


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North Texas OAPM Design Package

DFW STARS, KLNDR and WHINY DFW RNAV STARS

RECORD OF CHANGE

Change Number	Date	Document
004	01/17/2014	KLNDR and WHINY RNAV STARS
Updated TARGETS File	Updated TARGETS Distro	Updated Associated Data Files (if any)
DFW WHINY1 FD 20131204.tgs	TBD	N/A

Description of Change

On the WHINY RNAV STAR, PODNA waypoint was renamed VANCO waypoint due to waypoint name reservation availability.

Figure 2 below replaced Figure 3 in the FD.

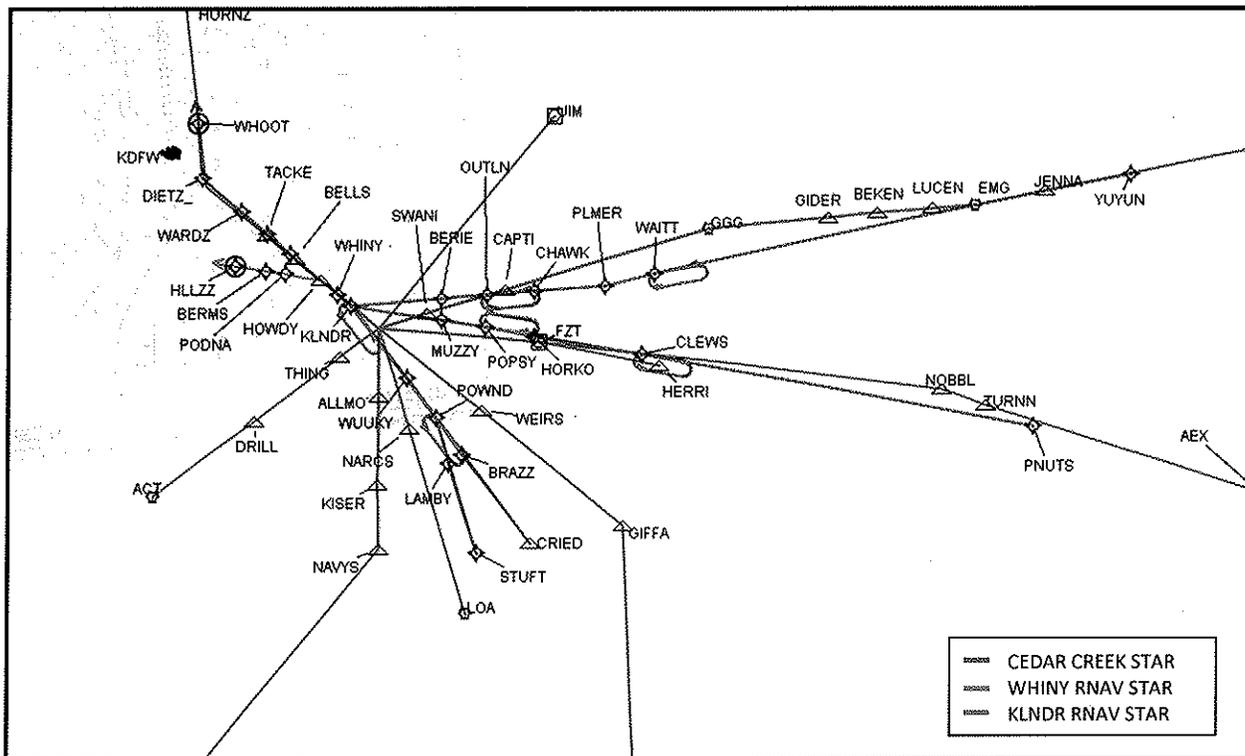


Figure 1. Proposed KLNDR and WHINY RNAV STARS and CEDAR CREEK STAR (Figure 3 in FD)

North Texas OAPM Design Package

DFW STARS, KLNDR and WHINY DFW RNAV STARS

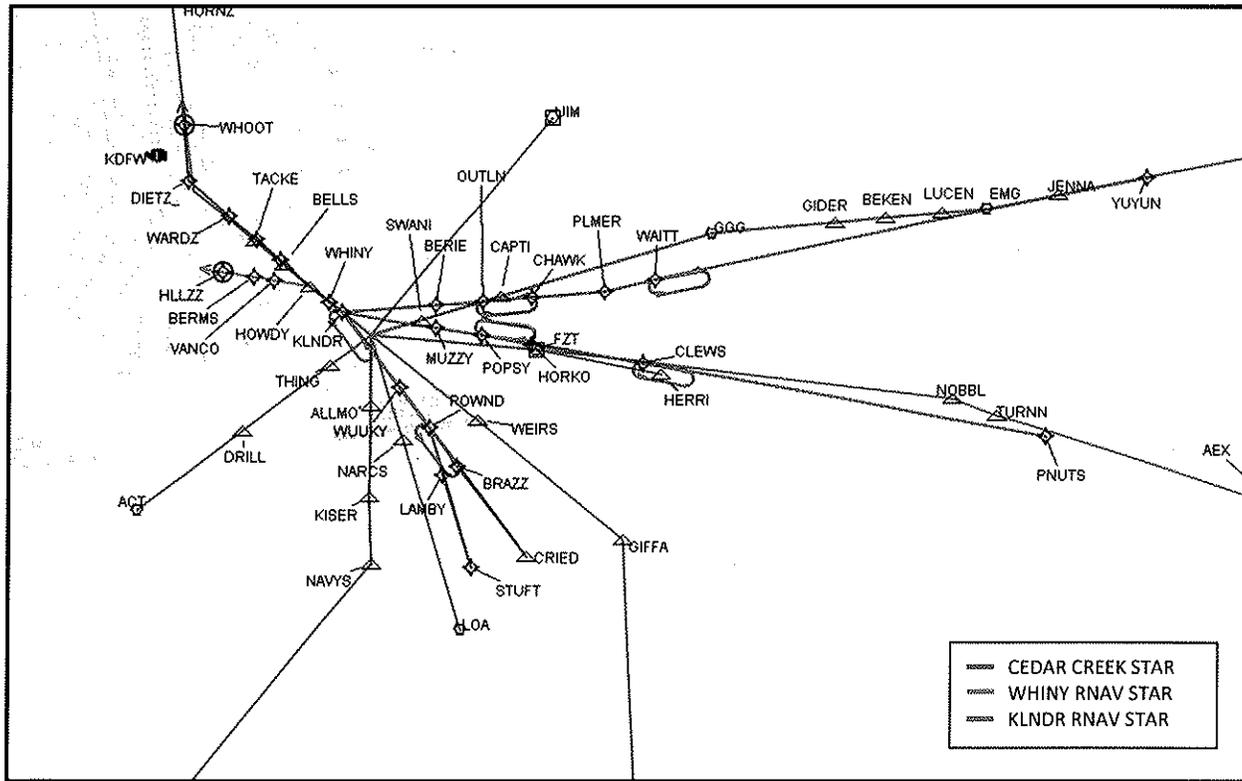
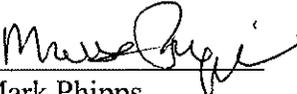


Figure 2. Proposed KLNDR and WHINY RNAV STARS and CEDAR CREEK STAR (Will replace Figure 3 of FD)

North Texas OAPM Design Package

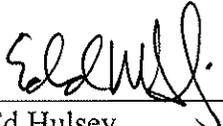
DFW STARS, KLNDR and WHINY DFW RNAV STARS

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North Texas OAPM Design Package

Satellite SIDs, KUSSO and LEEAG SAT RNAV SIDs

RECORD OF CHANGE

Change Number	Date	Document
005	03/11/2014	KUSSO and LEEAG RNAV SIDs
Updated TARGETS File	Updated TARGETS Distro	Updated Associated Data Files (if any)
SATS KUSSO1 20140306.tgs	TBD	N/A

Description of Change

On the KUSSO RNAV SID, BRRBQ waypoint was renamed JAYXX waypoint due to waypoint name reservation availability.

Figure 2 below replaced Figure 1 in the PFD.

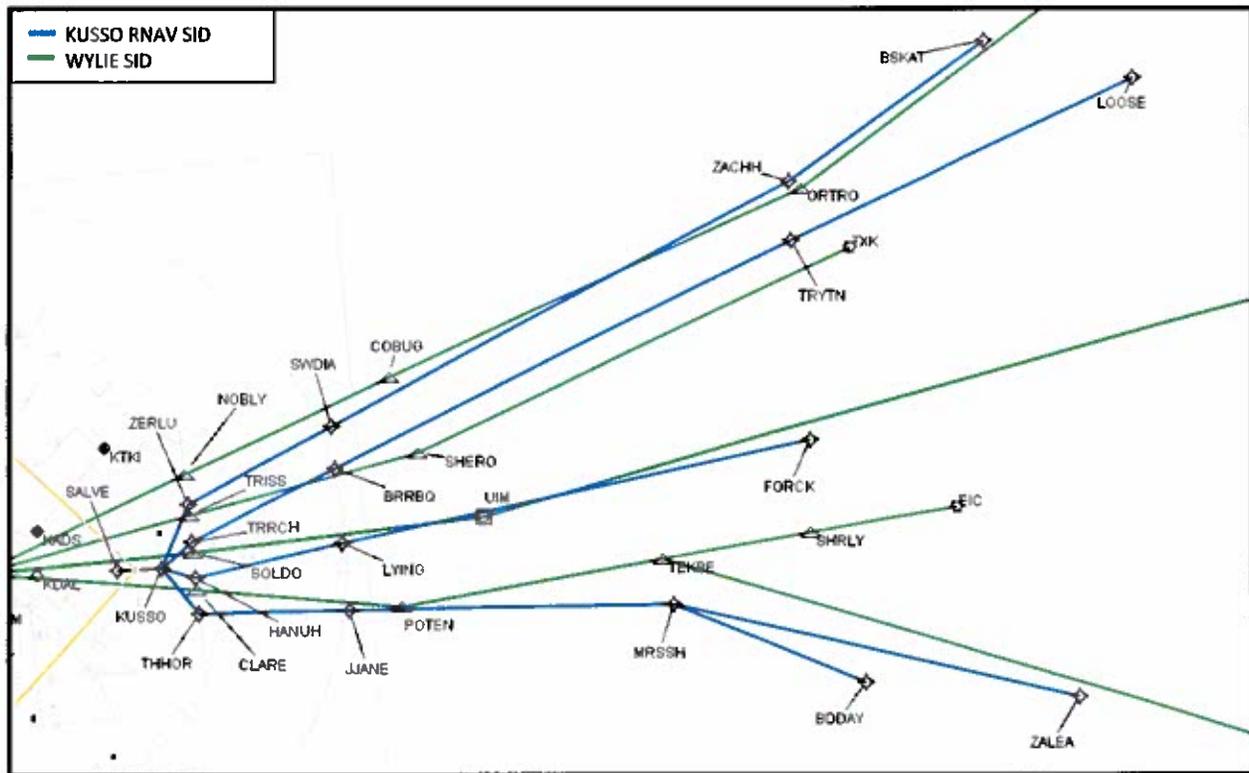


Figure 1. Proposed KUSSO RNAV SID and WYLIE SID (Figure 1 in PFD)

North Texas OAPM Design Package

Satellite SIDs, KUSSO and LEEAG SAT RNAV SIDs

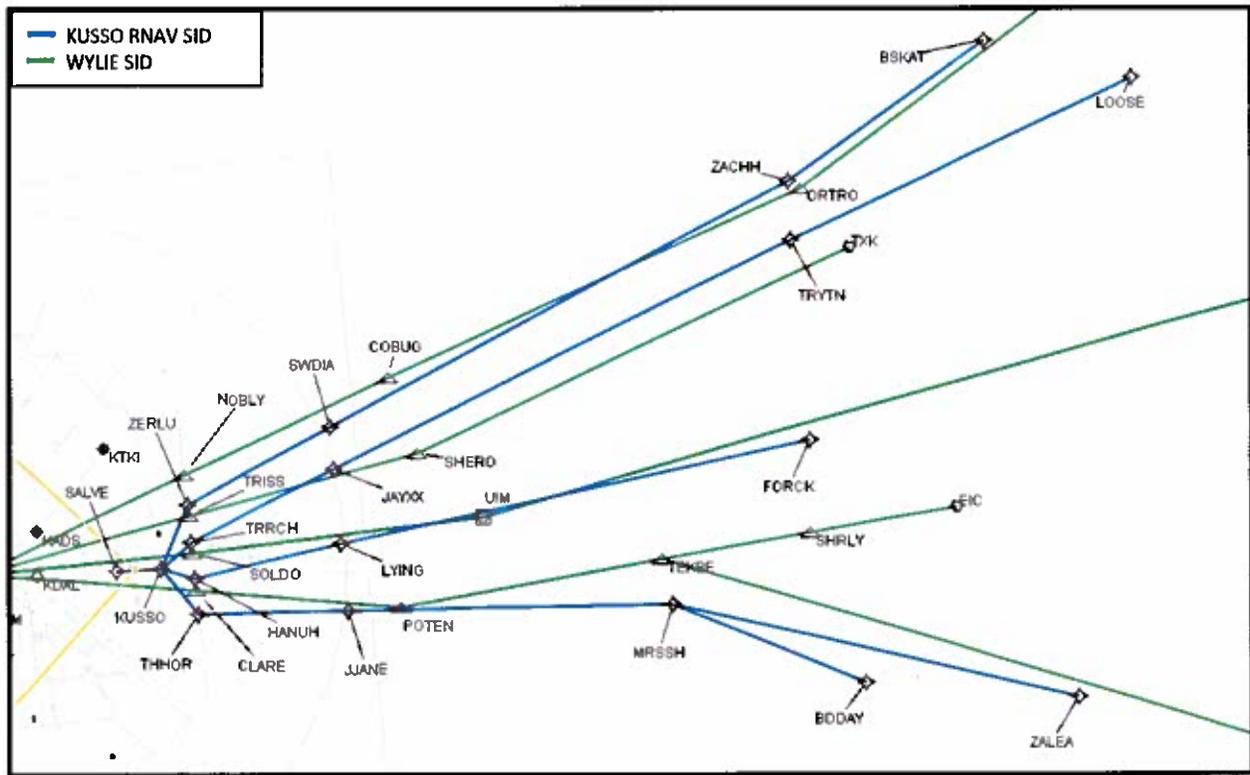
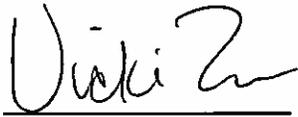


Figure 2. Proposed KUSSO RNAV SID and WYLIE SID (Will replace Figure 1 of PFD)

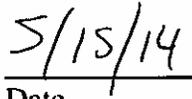
North Texas OAPM Design Package

Satellite SIDs, KUSSO and LEEAG SAT RNAV SIDs

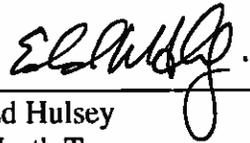
Design Team Lead's signatures indicate the appropriate coordination with any concerned parties has been conducted with regards to the changes/amendments listed on this document.



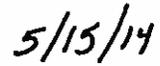
Vicki Turner
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Date

North Texas OAPM Design Package

Satellite SIDs, KUSSO and LEEAG SAT RNAV SIDs

RECORD OF CHANGE

Change Number	Date	Document
004	01/17/2014	KUSSO and LEEAG RNAV SIDs
Updated TARGETS File	Updated TARGETS Distro	Updated Associated Data Files (if any)
SATS KUSSO1 20140109.tgs SATS LEEAG1 FD 20140109.tgs	TBD	N/A

Description of Change

On the KUSSO RNAV SID, ROBBN waypoint was renamed ZERLU waypoint, DYYKE waypoint was renamed HANUH waypoint and LEGIN waypoint was renamed SALVE waypoint due to waypoint name reservation availability.

On the LEEAG RNAV SID, BLADE waypoint was renamed BENKZ waypoint and SKTER waypoint was renamed ZACHH waypoint due to waypoint name reservation availability.

Figure 2 below replaced Figure 1 in the FD.

Figure 4 below replaced Figure 2 in the FD.

North Texas OAPM Design Package

Satellite SIDs, KUSSO and LEEAG SAT RNAV SIDs

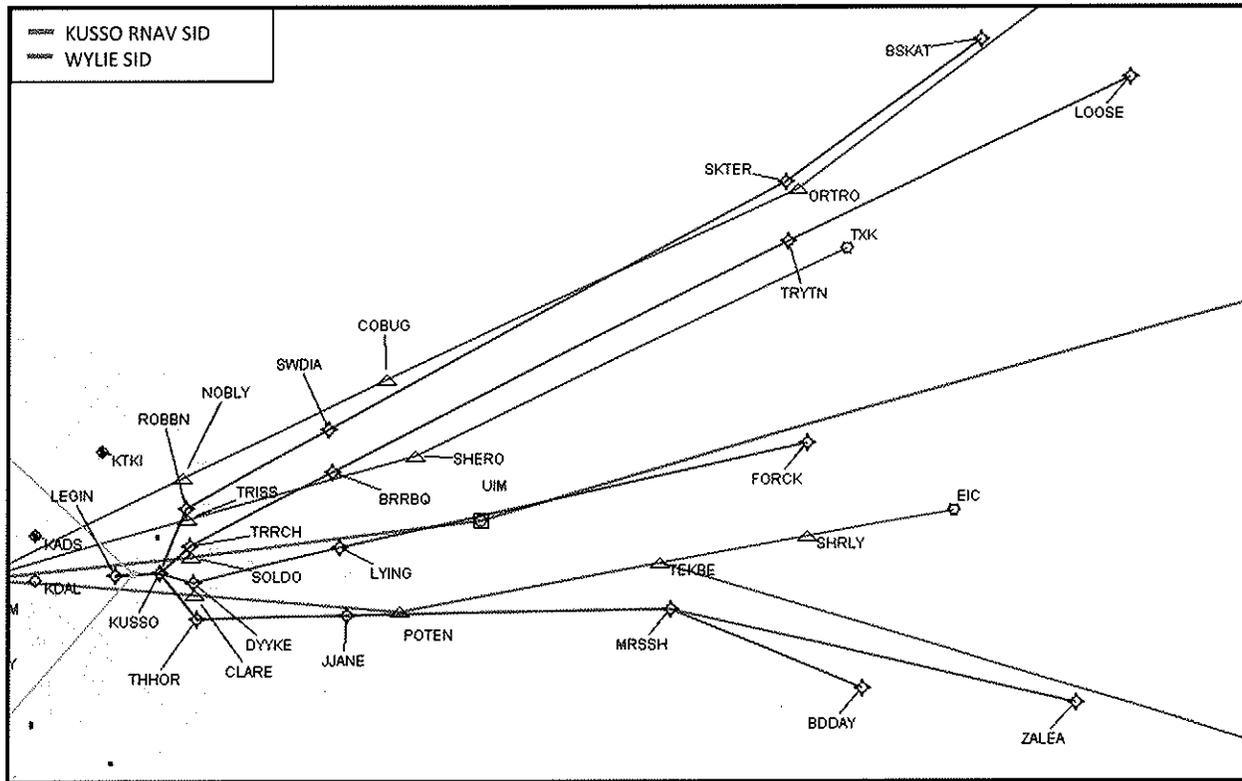


Figure 1. Proposed KUSSO RNAV SID and WYLIE SID (Figure 1 in FD)

North Texas OAPM Design Package

Satellite SIDs, KUSSO and LEEAG SAT RNAV SIDs

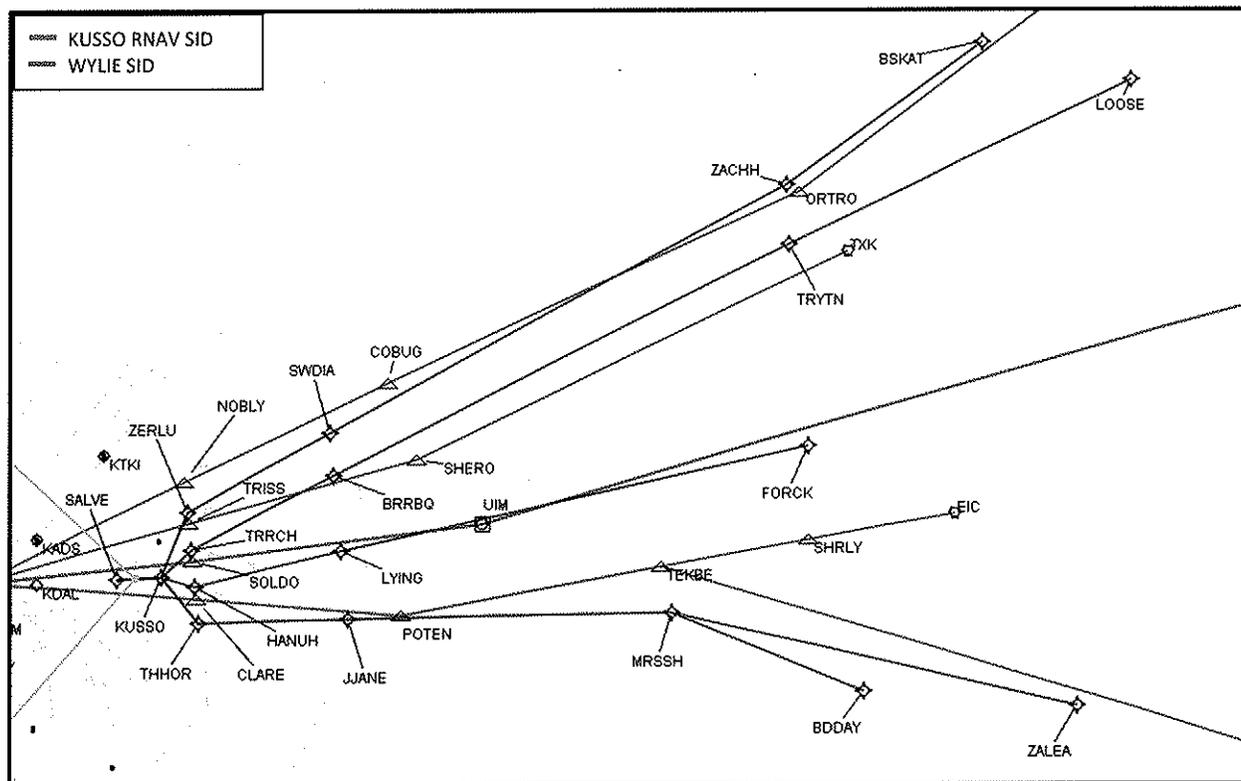


Figure 2. Proposed KUSSO RNAV SID and WYLIE SID (Will replace Figure 1 of FD)

North Texas OAPM Design Package

Satellite SIDs, KUSSO and LEEAG SAT RNAV SIDs

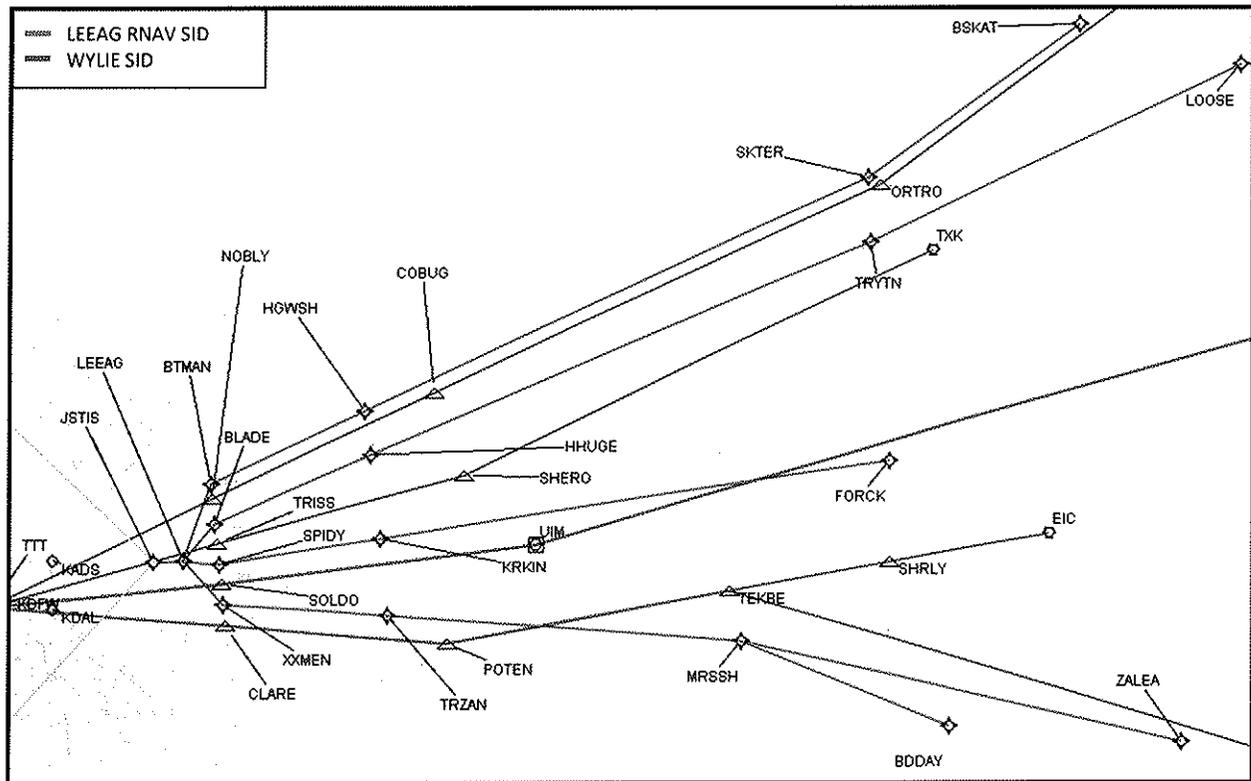


Figure 3. Proposed LEEAG RNAV SID and WYLIE SID (Figure 2 in FD)

North Texas OAPM Design Package

Satellite SIDs, KUSSO and LEEAG SAT RNAV SIDs

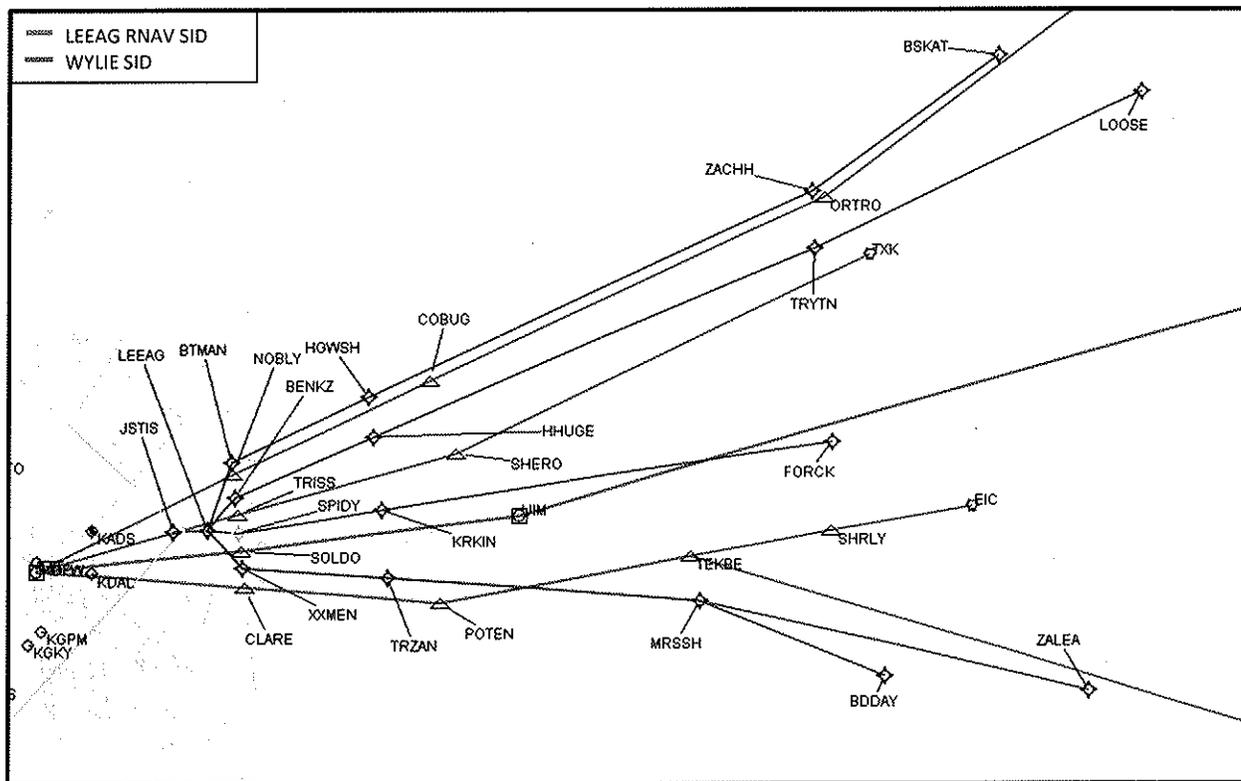


Figure 4. Proposed LEEAG RNAV SID and WYLIE SID (Will replace Figure 4 in FD)

North Texas OAPM Design Package

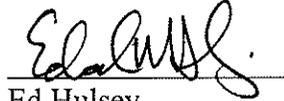
Satellite SIDs, KUSSO and LEEAG SAT RNAV SIDs

Design Team Lead's signatures indicate the appropriate coordination with any concerned parties has been conducted with regards to the changes/amendments listed on this document.



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North Texas OAPM Design Package

Satellite STARS, LIKES and SWVAY SAT RNAV STARS

RECORD OF CHANGE

Change Number	Date	Document
002	05/05/2014	LIKES and SWVAY RNAV STARS
Updated TARGETS File	Updated TARGETS Distro	Updated Associated Data Files (if any)
E SAT SWVAY1 FD 20140502.tgs	TBD	N/A

Description of Change

On the SWVAY RNAV STAR in Figure 2 a holding pattern was added to SHLLY waypoint.

This change is due to errors on the TARGETS files initially used.

Figure 2 below replaced Figure 2 in the PFD.

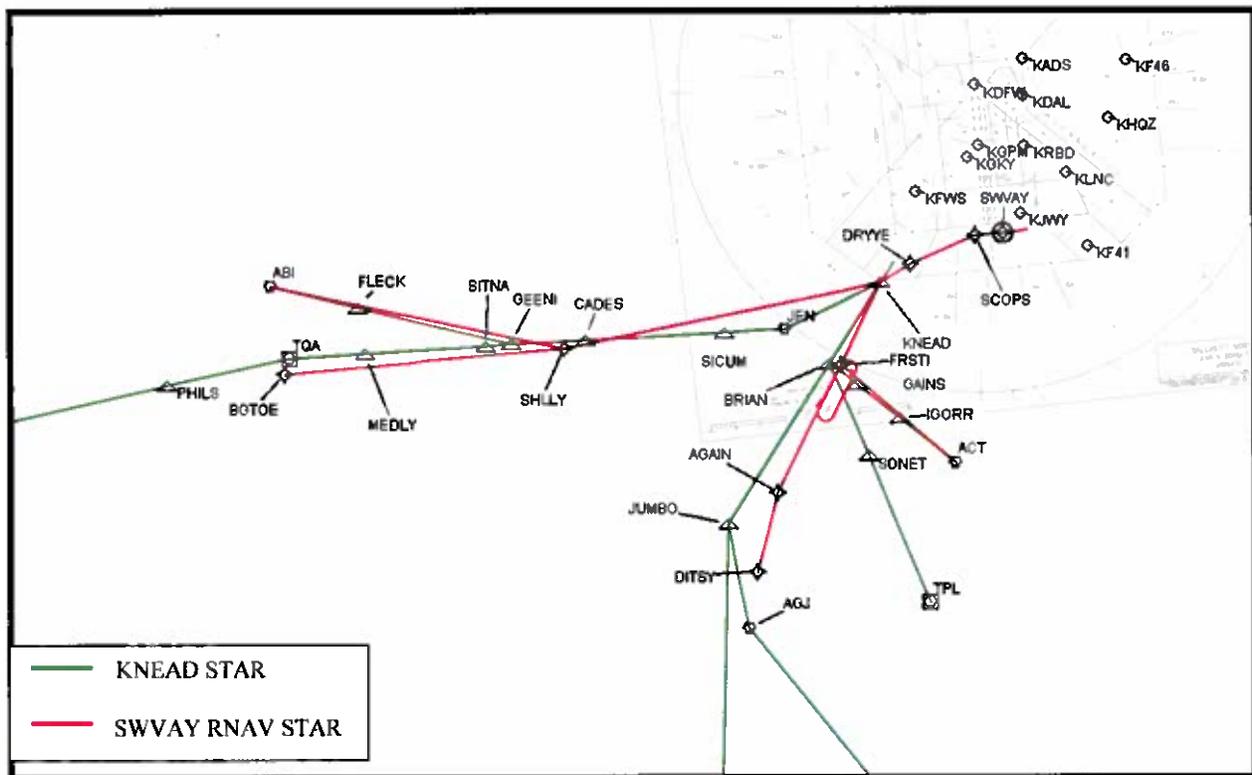


Figure 1. Proposed SWVAY RNAV STAR and KNEAD STAR (Figure 2 in PFD)

North Texas OAPM Design Package

Satellite STARS, LIKES and SWVAY SAT RNAV STARS

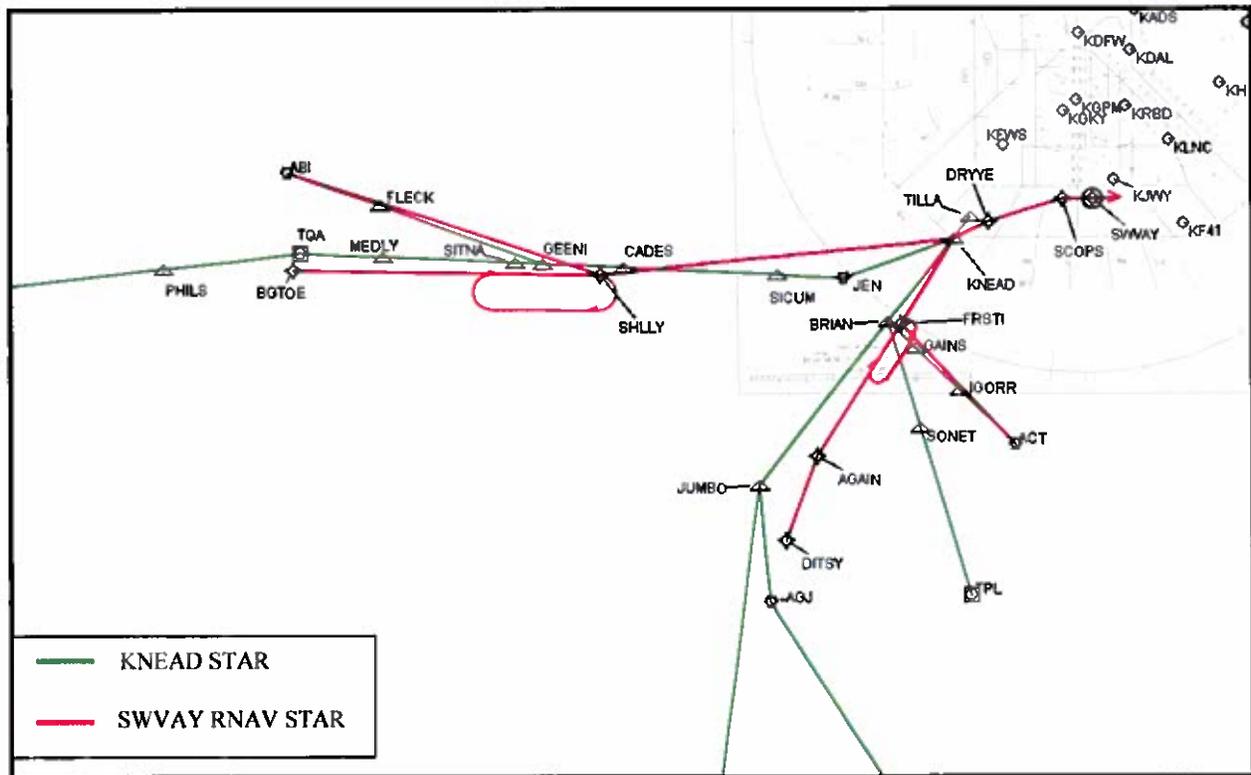
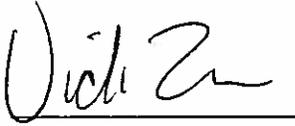


Figure 2. Proposed SWVAY RNAV STAR and KNEAD STAR (Will replace Figure 2 of PFD)

North Texas OAPM Design Package

Satellite STARS, LIKES and SWVAY SAT RNAV STARS

Design Team Lead's signatures indicate the appropriate coordination with any concerned parties has been conducted with regards to the changes/amendments listed on this document.



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North Texas OAPM Design Package

Satellite STARS, LOADS (CHUKK), EESAT and REEKO SAT RNAV STARS

RECORD OF CHANGE

Change Number	Date	Document
003	01/17/2014	LOADS (CHUKK), REEKO and EESAT RNAV STARS
Updated TARGETS File	Updated TARGETS Distro	Updated Associated Data Files (if any)
E SAT EESAT1 FD 20131204.tgs E SAT LOADS1 FD 20131204.tgs	TBD	N/A

Description of Change

On the CHUKK RNAV STAR, CHUKK waypoint was renamed LOADS waypoint due to waypoint name reservation availability. Therefore, the CHUKK RNAV STAR was renamed the LOADS RNAV STAR.

On the CHUKK and EESAT RNAV STARS, SAARA waypoint was renamed HINZE waypoint due to waypoint name reservation availability.

Figure 2 below replaced Figure 2 in the FD.

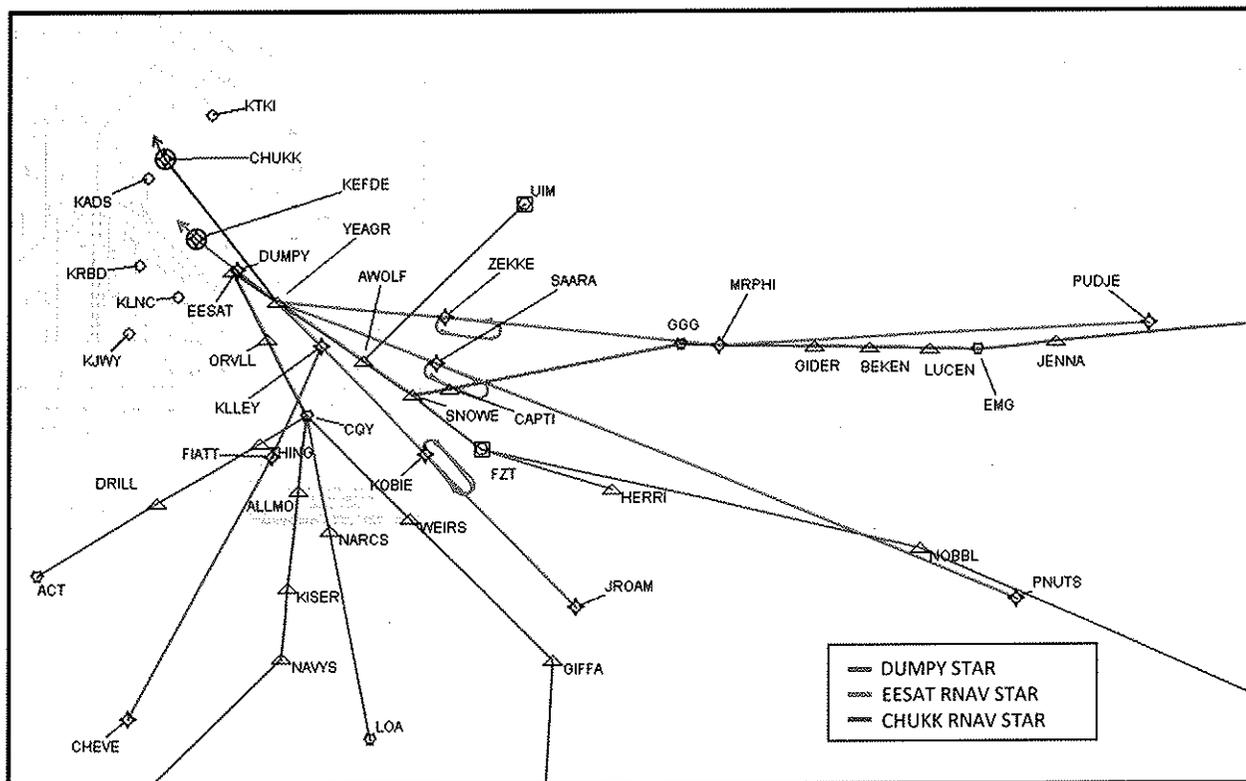


Figure 1. Proposed CHUKK and EESAT RNAV STARS and DUMPY STAR (Figure 2 in FD)

North Texas OAPM Design Package

Satellite STARS, LOADS (CHUKK), EESAT and REEKO SAT RNAV STARS

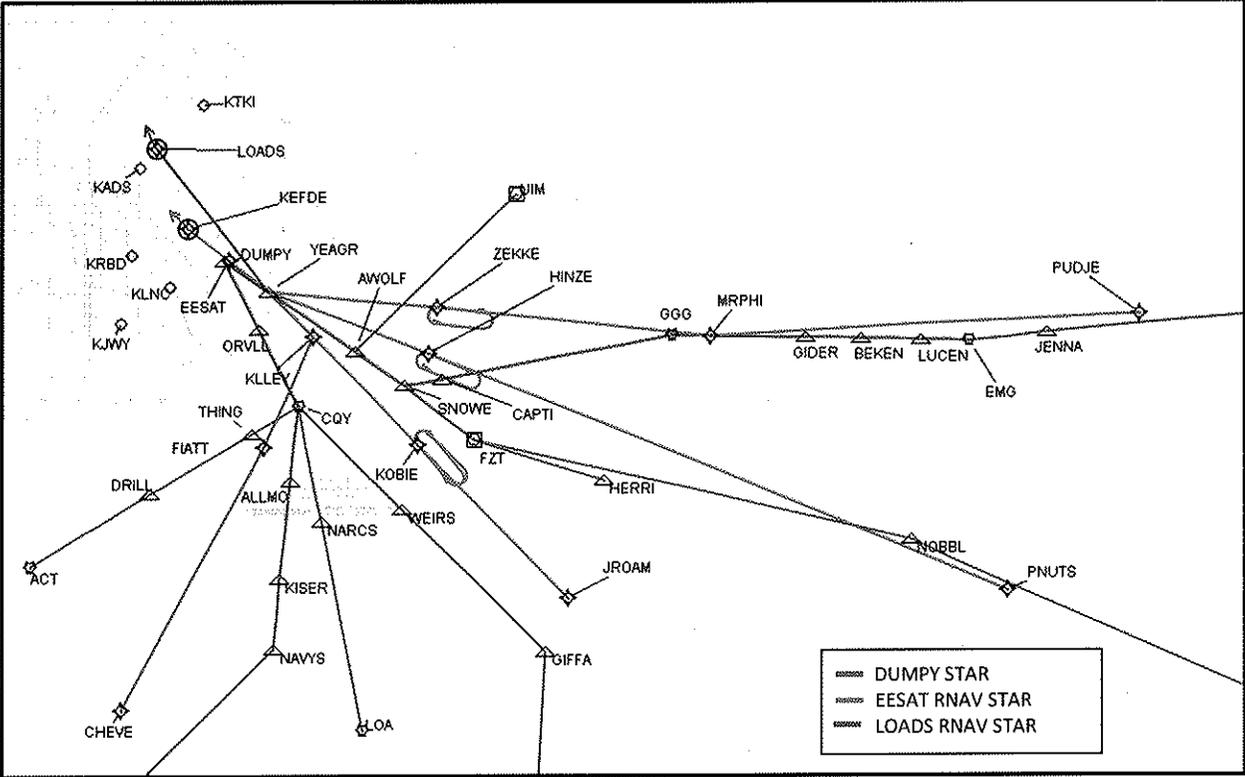


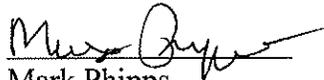
Figure 2. Proposed LOADS and EESAT RNAV STARS and DUMPY STAR (Will replace Figure 2 in FD)

North Texas OAPM Design Package

Satellite STARS, LOADS (CHUKK), EESAT and REEKO SAT

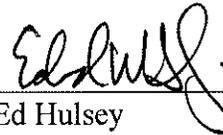
RNAV STARS

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1-21-14
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DAL STARs, MNND0 and REDDN DAL RNAV STARs

RECORD OF CHANGE

Change Number	Date	Document
003	01/17/2014	MNND0 and REDDN RNAV STARs
Updated TARGETS File	Updated TARGETS Distro	Updated Associated Data Files (if any)
DAL MNND01 20131022.tgs	TBD	N/A

Description of Change

Due to an oversight on Change 2 for the MNND0 RNAV STAR, RYCKK and KELHR waypoints were not depicted on the graphical figure of the procedure. These two waypoints are not part of the actual procedure, but will be included on the chart to allow Dallas-Fort Worth TRACON (D10) operational flexibility when clearing aircraft for the RNP-AR approaches to Runways 31L and 31R at Dallas Love Field.

Figure 2 below replaced Figure 3 in the FD. Figure 3 below was added to the FD as Figure 4 to show detail of the RNAV STAR inside Terminal airspace.

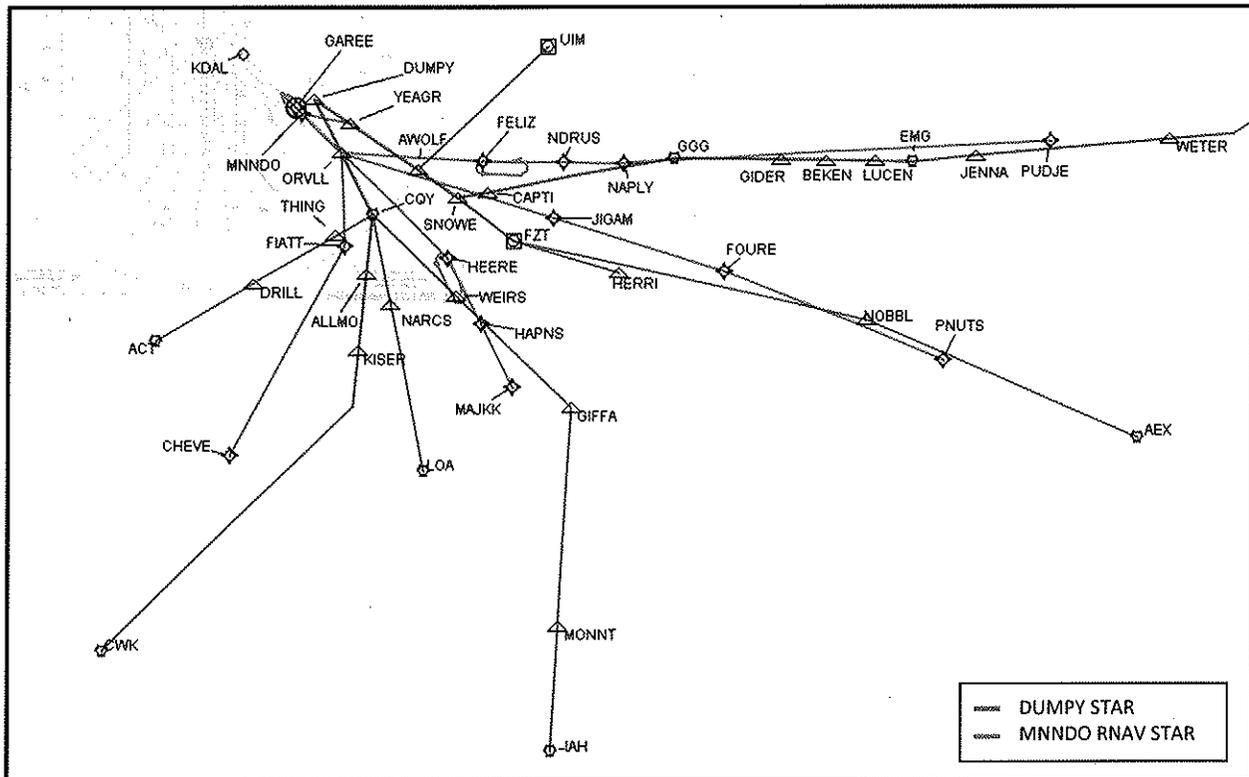


Figure 1. Proposed MNND0 RNAV STAR and DUMPY STAR (Figure 3 in FD)

North Texas OAPM Design Package

DAL STARs, MNND0 and REDDN DAL RNAV STARs

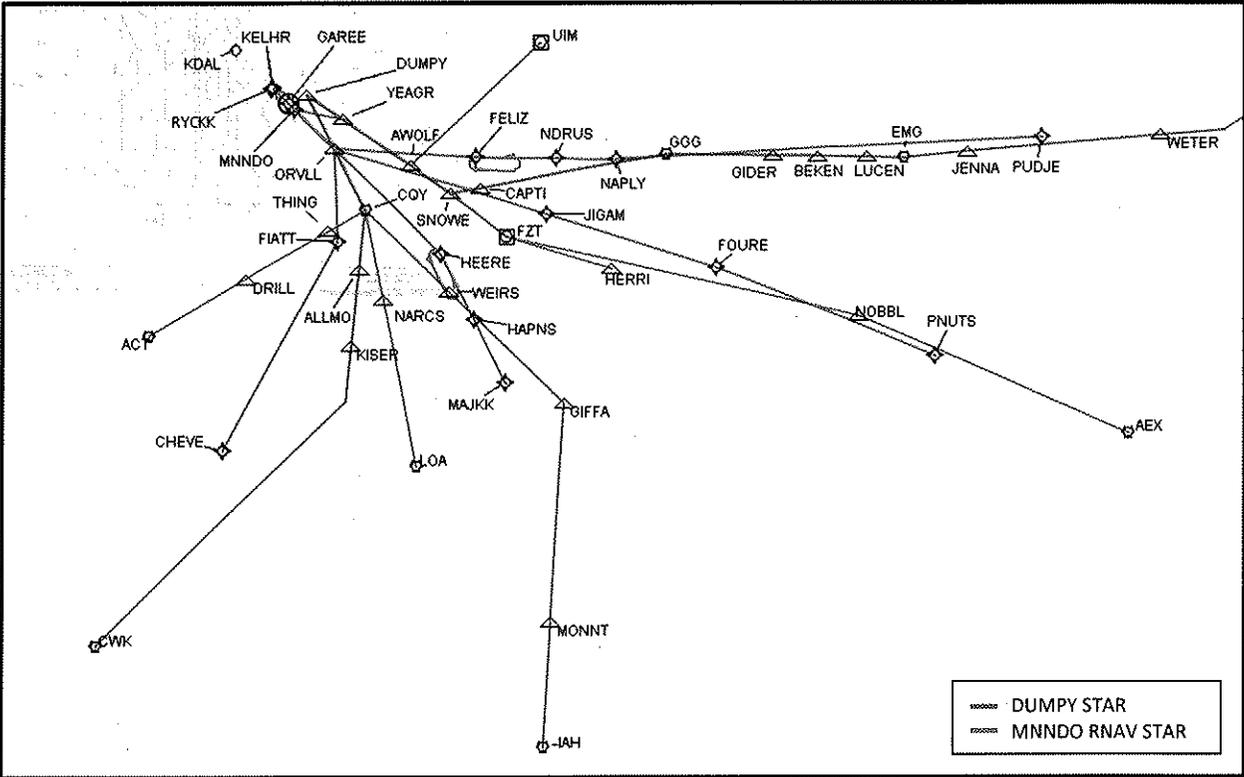


Figure 2. Proposed MNND0 RNAV STAR and DUMPY STAR (Will replace Figure 3 of FD)

North Texas OAPM Design Package

DAL STARS, MNND0 and REDDN DAL RNAV STARS

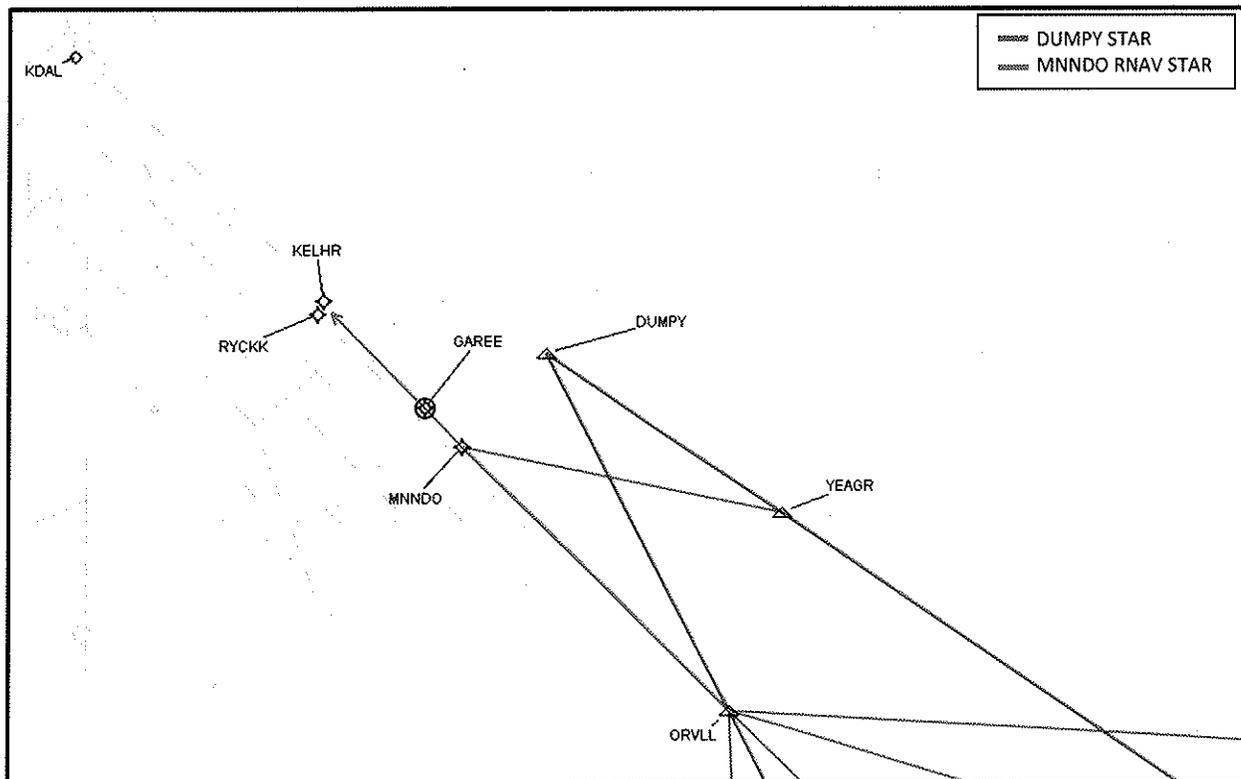


Figure 3. Proposed MNND0 RNAV STAR and DUMPY STAR Inside Terminal Airspace (Will be added as Figure 4 of FD)

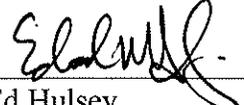
North Texas OAPM Design Package
DAL STARs, MNND0 and REDDN DAL RNAV STARs

Design Team Lead's signatures indicate the appropriate coordination with any concerned parties has been conducted with regards to the changes/amendments listed on this document.



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North Texas OAPM Design Package

DAL STARS, MNNDO and REDDN DAL RNAV STARS

RECORD OF CHANGE

Change Number	Date	Document
005	05/05/2014	MNNDO and REDDN RNAV STARS
Updated TARGETS File	Updated TARGETS Distro	Updated Associated Data Files (if any)
DAL REDDN1 FD 20140502.tgs	TBD	N/A

Description of Change

On the REDDN RNAV STAR, BACHR waypoint was moved 5.90 nautical miles to the Southeast because the location of BACHR waypoint was changed on the BACHR RNAV STAR. The MONNT transition was shortened to begin at MAJJK to comply with a request from Houston ARTCC (ZHU).

Figure 2 below replaced Figure 2 in the PFD.

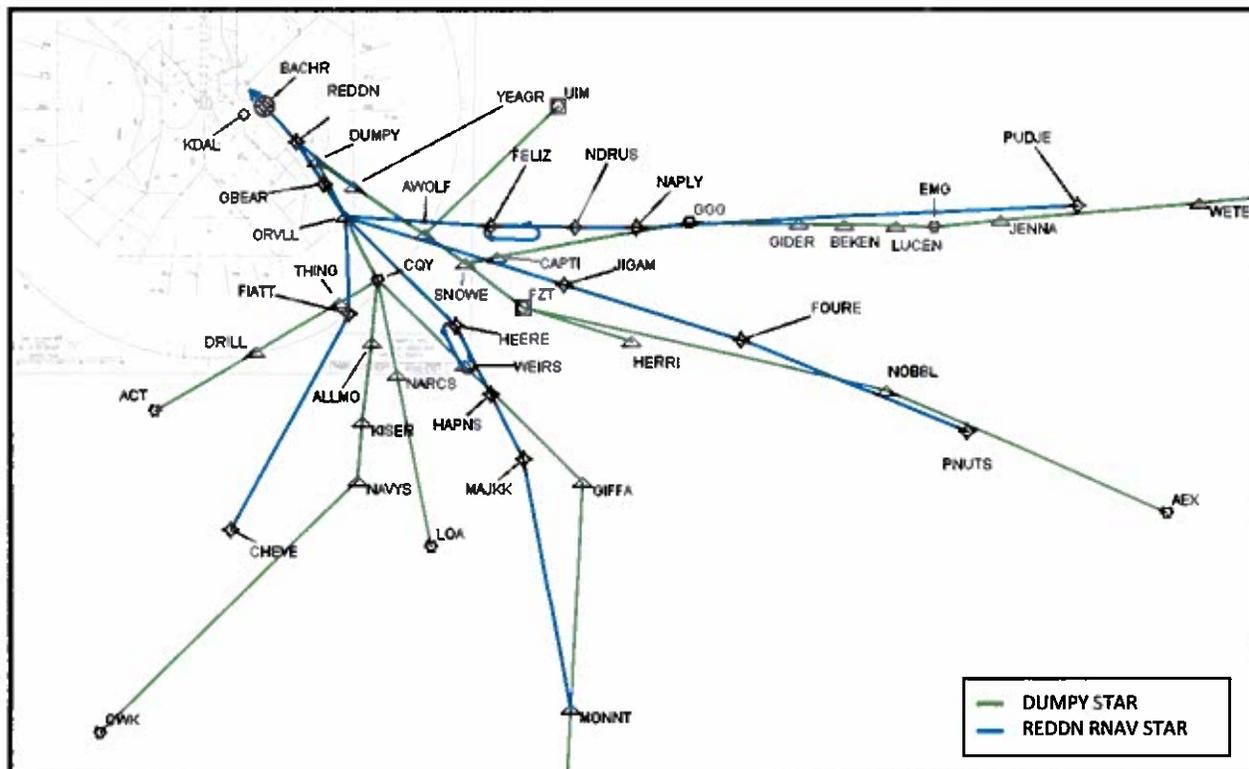


Figure 1. Proposed REDDN RNAV STAR and DUMPY STAR (Figure 2 in PFD)

North Texas OAPM Design Package

DAL STARS, MNND0 and REDDN DAL RNAV STARS

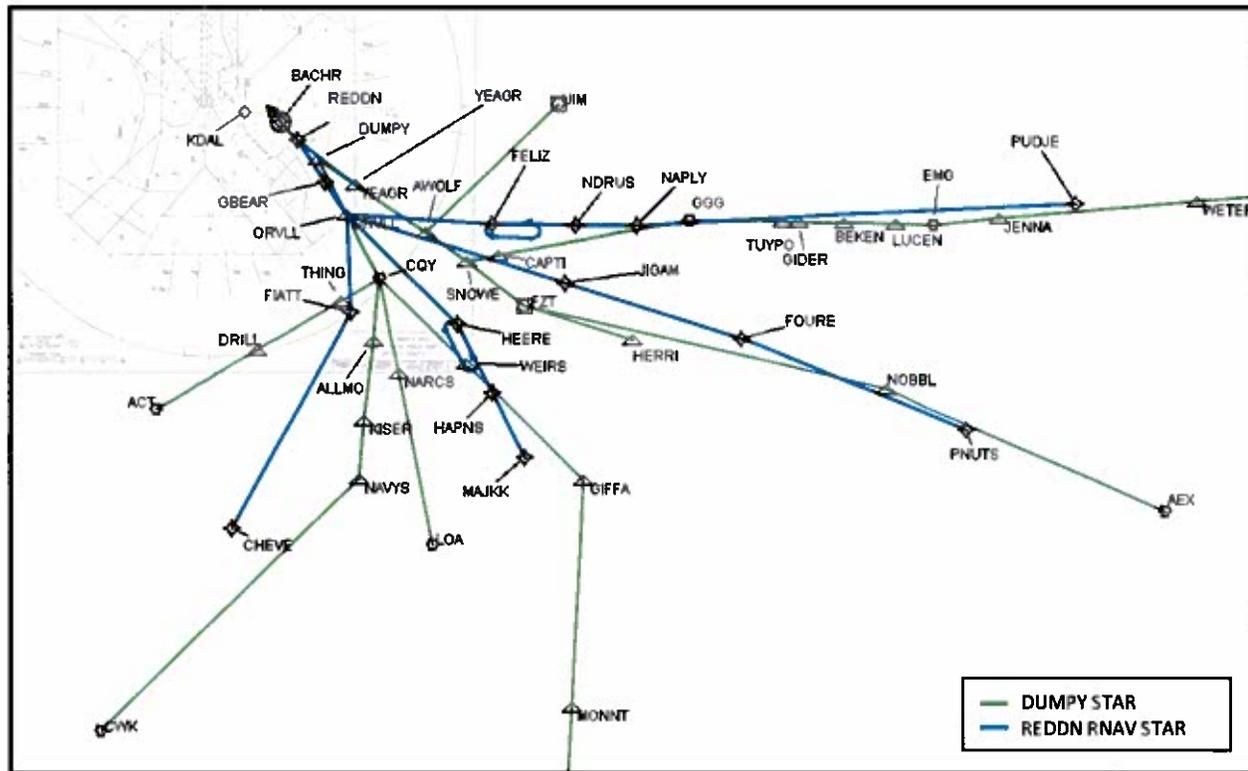
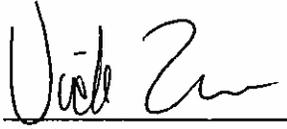


Figure 2. Proposed REDDN RNAV STAR and DUMPY STAR (Will replace Figure 2 of PFD)

North Texas OAPM Design Package

DAL STARs, MNND0 and REDDN DAL RNAV STARs

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North Texas OAPM Design Package

DAL STARs, NANDR DAL RNAV STAR

RECORD OF CHANGE

Change Number	Date	Document
003	01/17/2014	NANDR RNAV STAR
Updated TARGETS File	Updated TARGETS Distro	Updated Associated Data Files (if any)
DAL NANDR1 FD 20131204.tgs	TBD	N/A

Description of Change

On the NANDR RNAV STAR, KENIS waypoint was renamed ROGRZ waypoint due to waypoint name reservation availability.

Figure 2 below replaced Figure 3 in the FD.

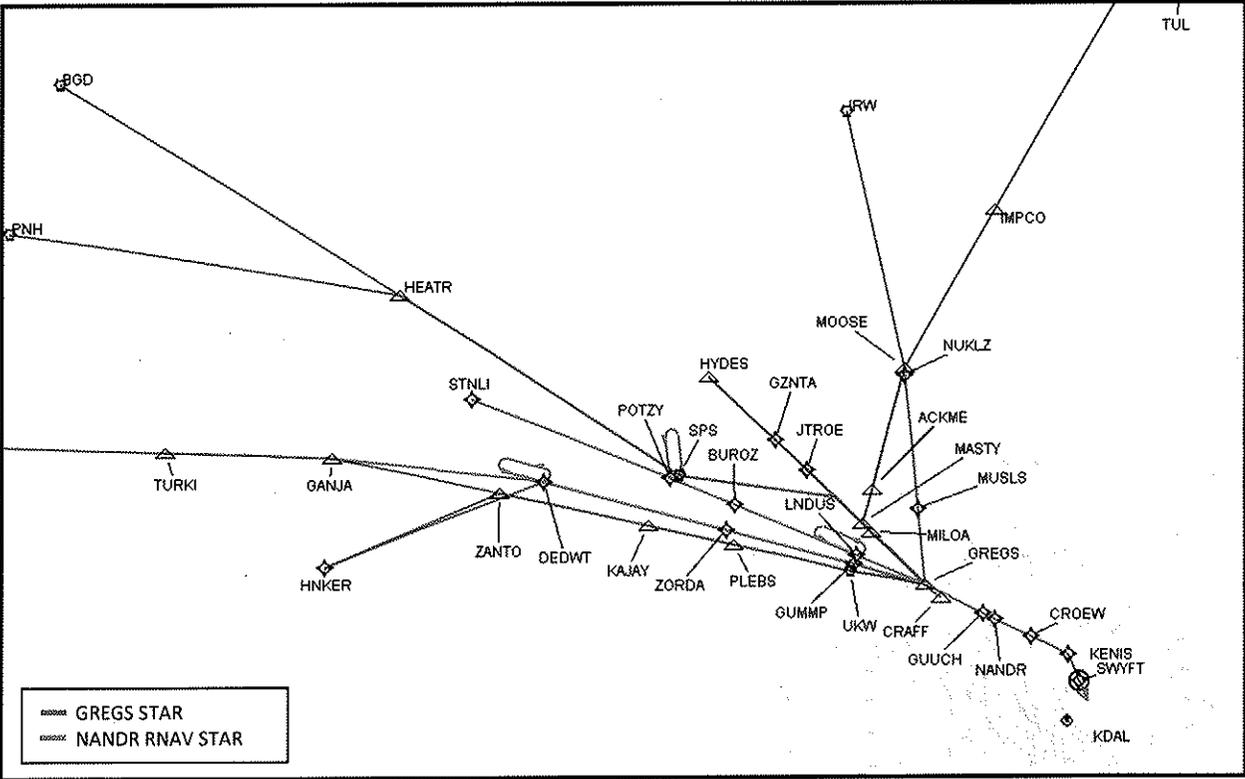


Figure 1. Proposed NANDR RNAV STAR and GREGS STAR (Figure 3 in FD)

North Texas OAPM Design Package

DAL STARs, NANDR DAL RNAV STAR

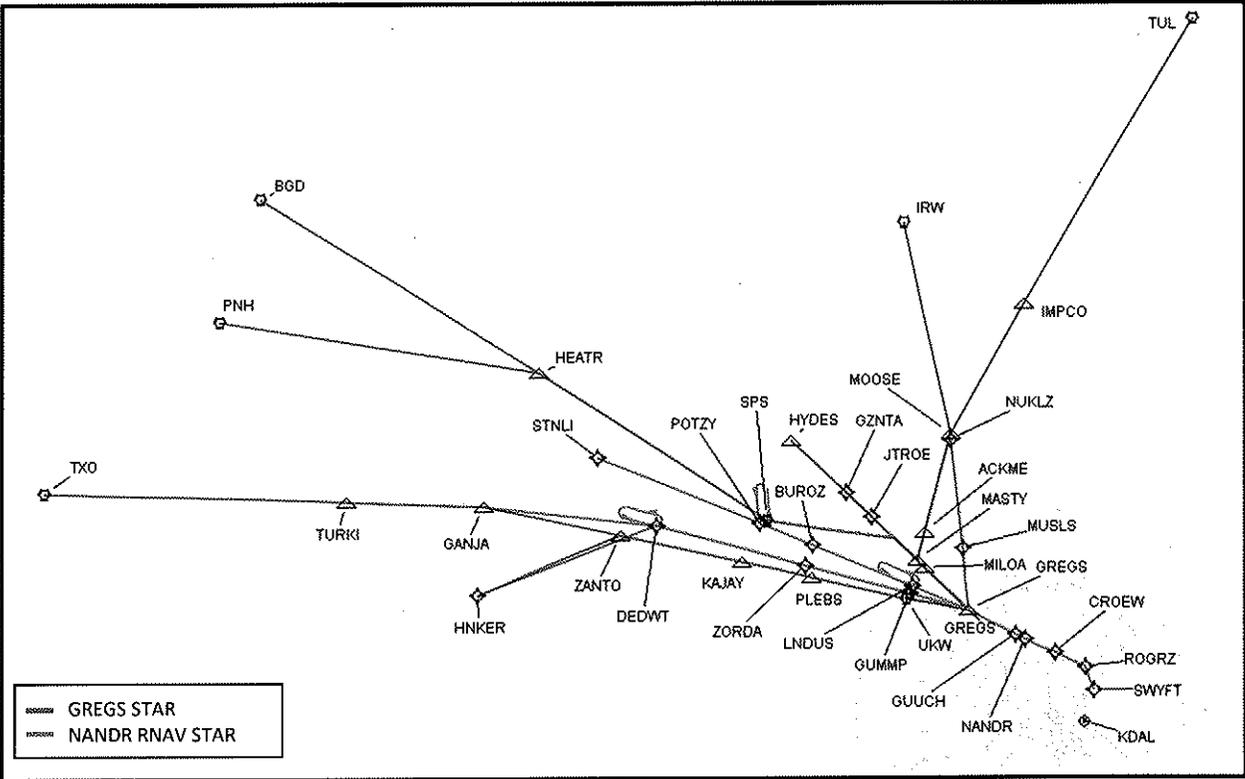


Figure 2. Proposed NANDR RNAV STAR and GREGS STAR (Will replace Figure 3 of FD)

North Texas OAPM Design Package

DAL STARs, NANDR DAL RNAV STAR

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DAL SIDs, RAMBL and CURLO DAL RNAV SIDs

RECORD OF CHANGE

Change Number	Date	Document
003	01/17/2014	RAMBL and CURLO RNAV SIDs
Updated TARGETS File	Updated TARGETS Distro	Updated Associated Data Files (if any)
DAL RAMBL1 FD 20131204.tgs DAL CURLO1 FD 20130620.tgs	TBD	N/A

Description of Change

On the RAMBL RNAV SID, AIKMN waypoint was renamed FLOWT waypoint due to waypoint name reservation availability.

Figure 2 below replaced Figure 4 in the FD.

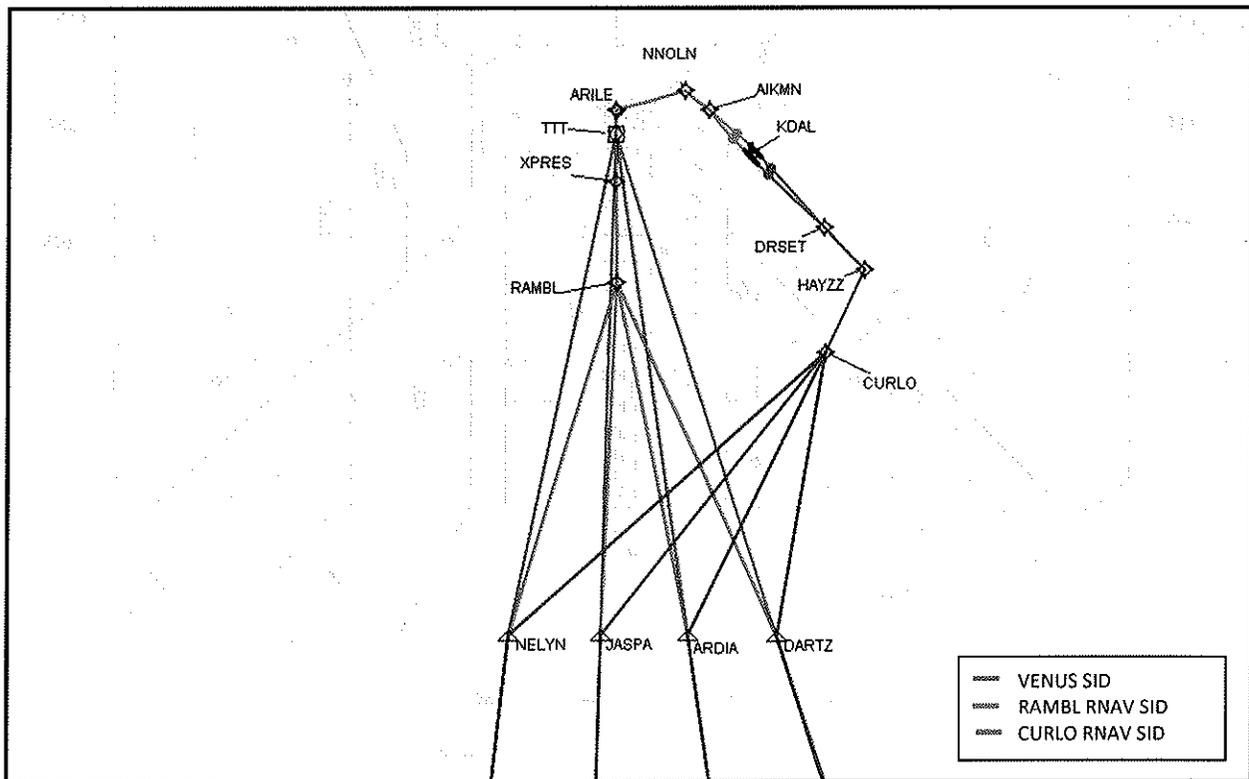


Figure 1. Proposed RAMBL and CURLO RNAV SIDs and VENUS SID (Figure 4 in FD)

North Texas OAPM Design Package

DAL SIDs, RAMBL and CURLO DAL RNAV SIDs

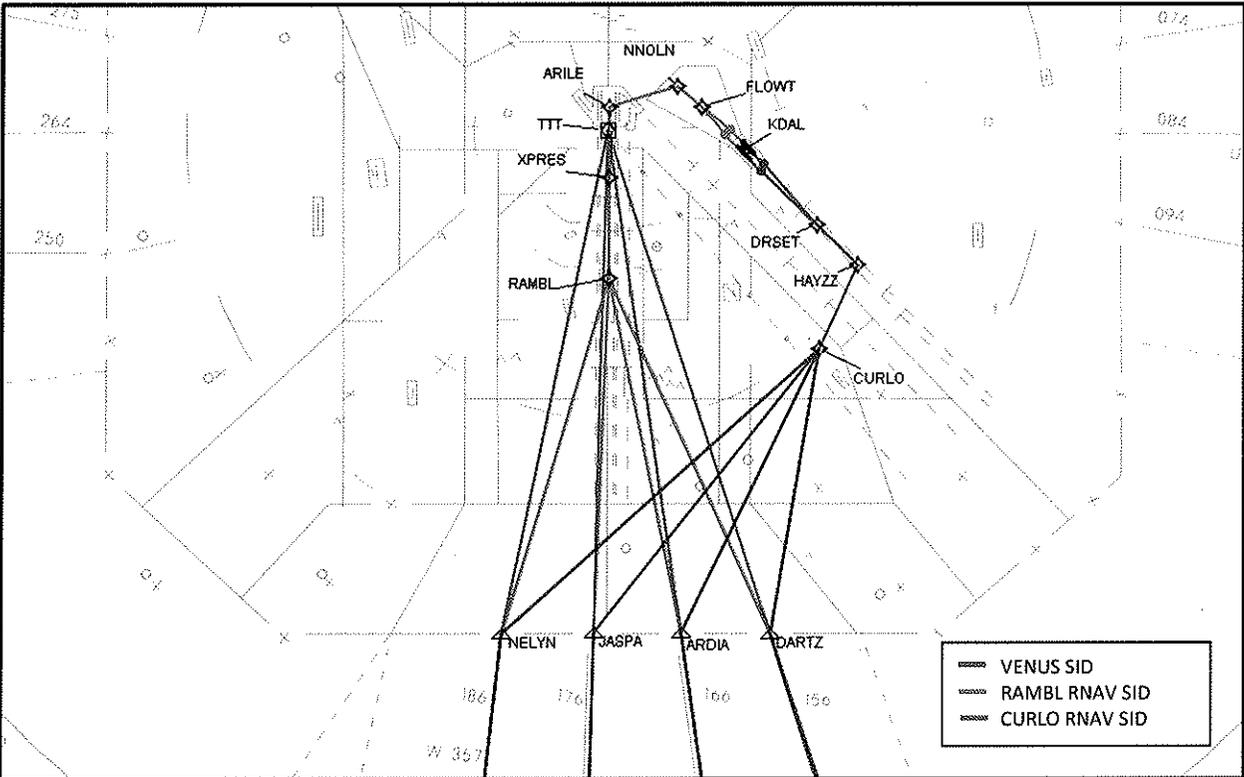


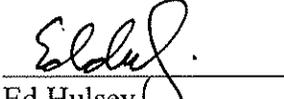
Figure 2. Proposed RAMBL and CURLO RNAV SIDs and VENUS SID (Will replace Figure 4 of FD)

North Texas OAPM Design Package
DAL SIDs, RAMBL and CURLO DAL RNAV SIDs

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North Texas OAPM Design Package

Satellite STARS, SANGR and SLANT SAT RNAV STARS

RECORD OF CHANGE

Change Number	Date	Document
004	04/15/2014	SLANT and SANGR RNAV STARS
Updated TARGETS File	Updated TARGETS Distro	Updated Associated Data Files (if any)
N/A	N/A	N/A

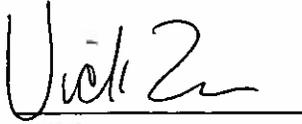
Description of Change

Based on ATSAP feedback from Memphis ARTCC (ZME), under **Proposed Design** the sentence "The JRHED transition will be ATC assigned only." was added.

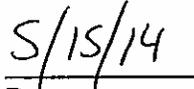
North Texas OAPM Design Package

Satellite STARS, SANGR and SLANT SAT RNAV STARS

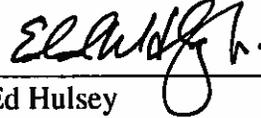
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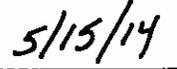
Vicki Turner
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North Texas OAPM Design Package Conventional STARS, SASIE CONV STAR

RECORD OF CHANGE

Change Number	Date	Document
002	05/05/2014	SASIE Conventional STAR
Updated TARGETS File	Updated TARGETS Distro	Updated Associated Data Files (if any)
N/A	TBD	N/A

Description of Change

On the SASIE Conventional STAR, in Figure 1 holding patterns were added at GLOVE, ROBEY, BIRLE and GAATZ waypoints and BYP VORTAC. These changes are due to incorrect TARGETS files initially used.

Figure 2 below replaced Figure 1 in the PFD.

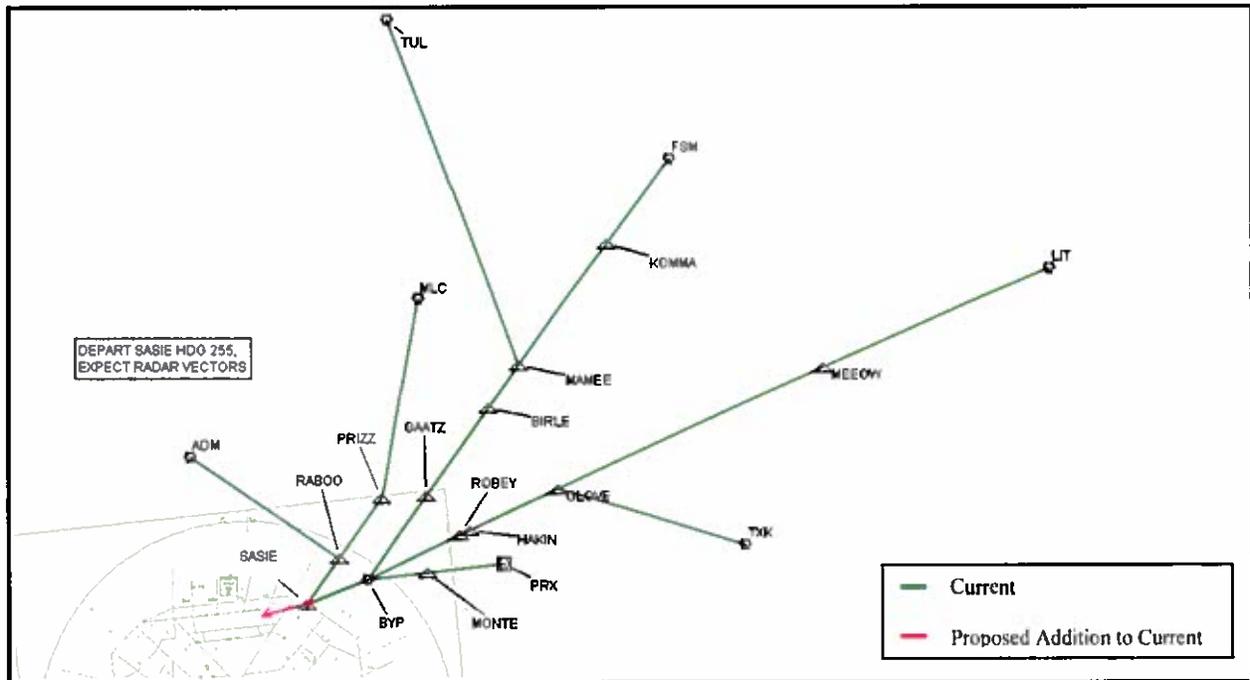


Figure 1. Proposed SASIE STAR and Current SASIE STAR (Figure 1 of PFD)

North Texas OAPM Design Package

Conventional STARs, SASIE CONV STAR

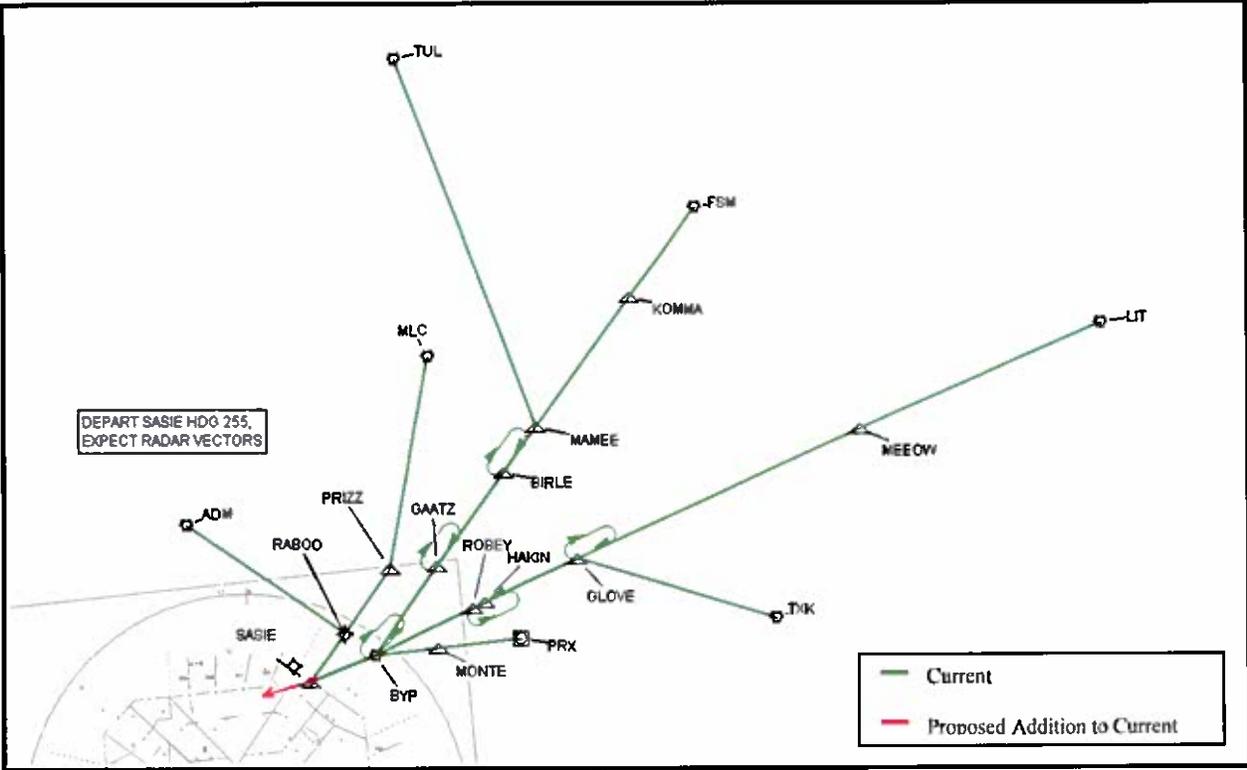
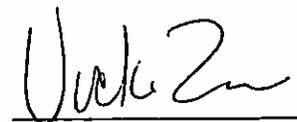


Figure 2. Proposed SASIE STAR and Current SASIE STAR (Will replace Figure 1 of PFD)

North Texas OAPM Design Package Conventional STARS, SASIE CONV STAR

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North Texas OAPM Design Package Conventional STARS, WILBR CONV STAR

RECORD OF CHANGE

Change Number	Date	Document
003	05/08/2014	WILBR Conventional STAR
Updated TARGETS File	Updated TARGETS Distro	Updated Associated Data Files (if any)
N/A	TBD	N/A

Description of Change

On the WILBR Conventional STAR, in Figure 1 holding patterns were added at GLOVE, HAKIN, GAATZ and BIRLE waypoints. These changes are due to incorrect TARGETS files initially used.

Figure 2 below replaced Figure 1 in the PFD.

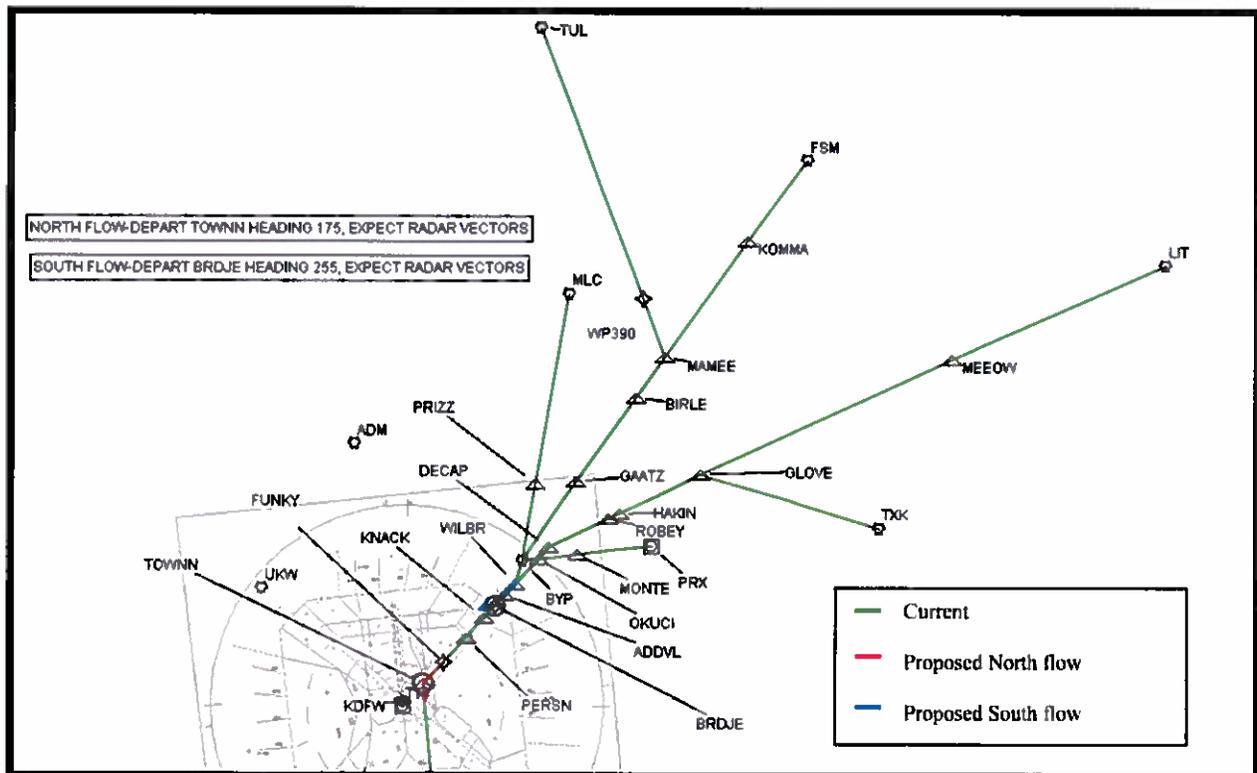


Figure 1. Proposed WILBR STAR and Current WILBR STAR (Figure 1 of PFD)

North Texas OAPM Design Package

Conventional STARs, WILBR CONV STAR

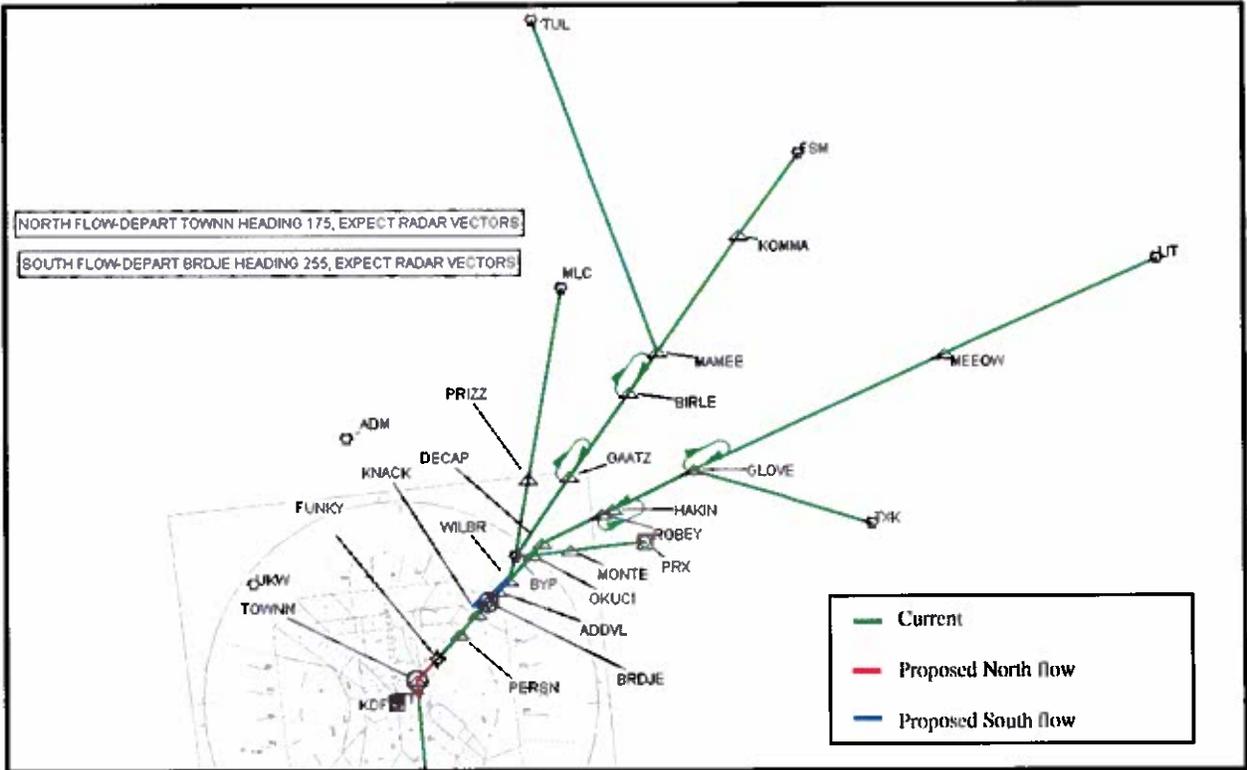
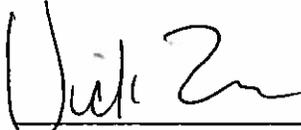


Figure 2. Proposed WILBR STAR and Current WILBR STAR (Will replace Figure 1 of PFD)

North Texas OAPM Design Package Conventional STARS, WILBR CONV STAR

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North Texas OAPM Design Package Conventional STARS, YEAGR CONV STAR

RECORD OF CHANGE

Change Number	Date	Document
001	05/08/2014	YEAGR Conventional STAR
Updated TARGETS File	Updated TARGETS Distro	Updated Associated Data Files (if any)
N/A	TBD	N/A

Description of Change

On the YEAGR Conventional STAR, in Figure 1 holding patterns were added at HERRI, CAPTI and WEIRS waypoints, and GGG and CQY VORTACs. These changes are due to incorrect TARGETS files initially used. The JAN VORTAC has been renamed the MHZ VORTAC due to the NAVAID being relocated.

Figure 2 below replaced Figure 1 in the PFD.

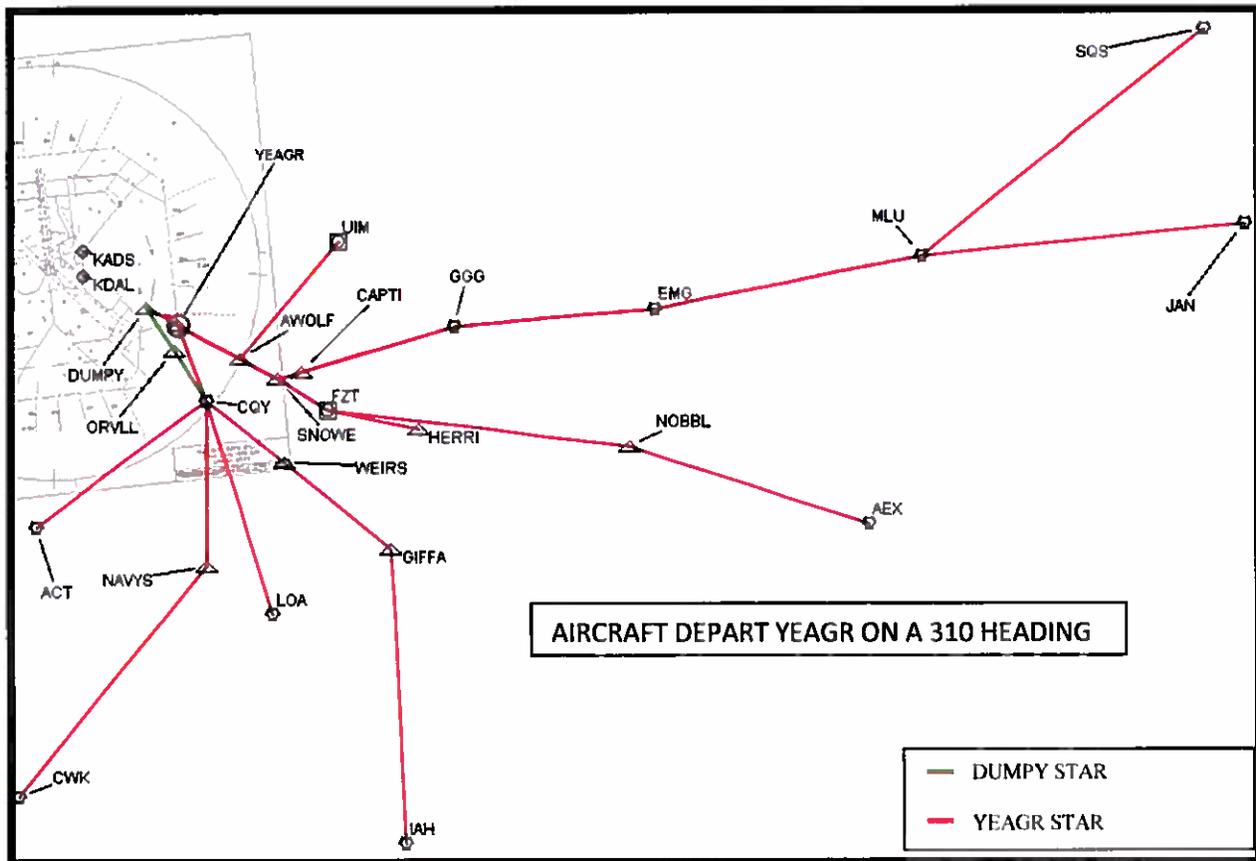


Figure 1. Proposed YEAGR STAR and DUMPY STAR (Figure 1 of PFD)

North Texas OAPM Design Package

Conventional STARS, YEAGR CONV STAR

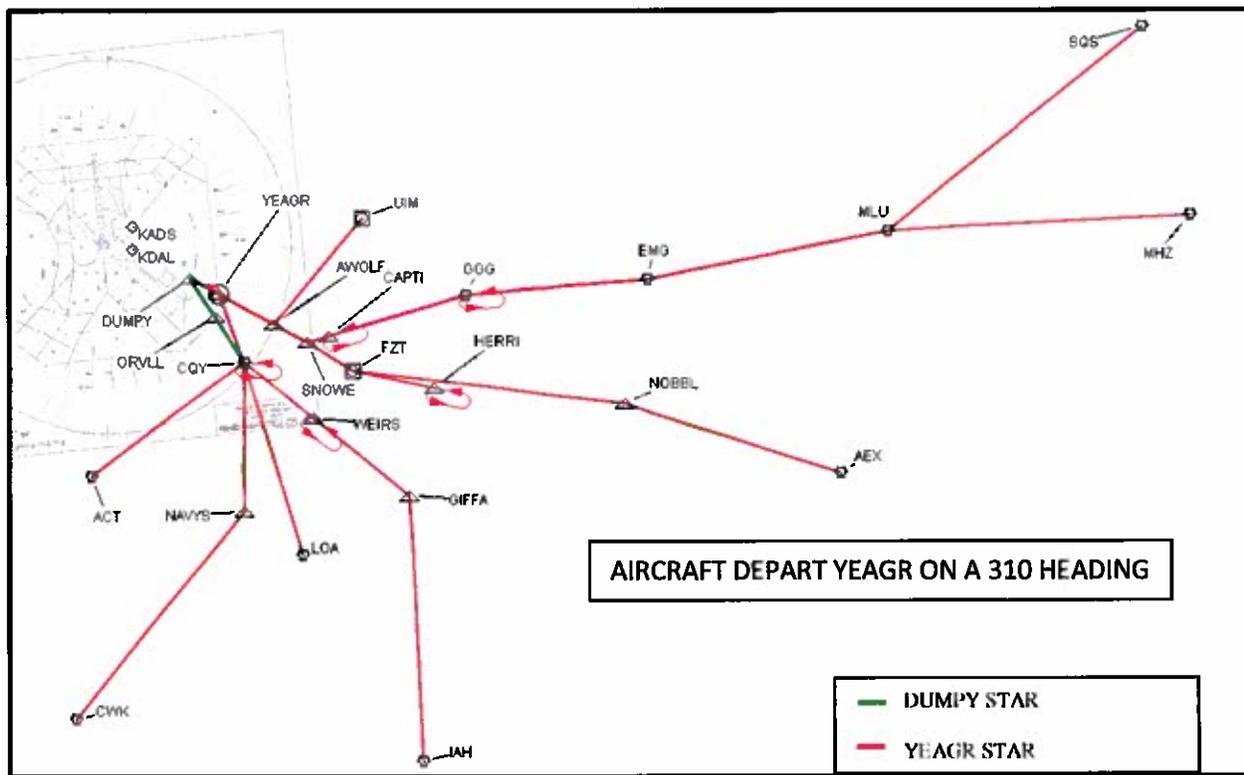
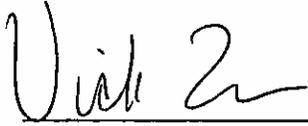


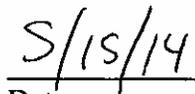
Figure 2. Proposed YEAGR STAR and DUMPY STAR (Will replace Figure 1 of PFD)

North Texas OAPM Design Package Conventional STARs, YEAGR CONV STAR

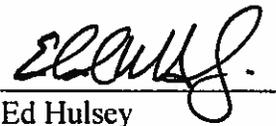
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