

RADIO FIX AND HOLDING DATA RECORD

NAME: GOOCH SPRINGS VORTAC

STATE: TX

COUNTRY: US

ICAO REGION CODE: K4

LATITUDE/LONGITUDE: 311107.82N/0980830.69W

TYPE:

AIRSPACE DOCKET:

FIX TYPE OF ACTION: NO CHANGE

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	FEET	MRA	MAA
1	GOOCH SPRINGS	AGJ	VORTAC	H							45000

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

PATTERNS:

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG LENGTH TIME DME	HOLDING ALTITUDES MIN MAX	TEMPLATES MIN MAX
1	N	AGJ	VORTAC	014.00	194.00	R	1-1 1/2	3000 17500	4 16
2	N		WP	010.00	190.00	R	4	3000 17500	5 17

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	AAO	312036.00N/0980651.00W	1638	4E
1	265	AAO	310842.00N/0981500.00W	1720	4E
2	200	AAO	312136.00N/0980736.00W	1660	4E
2	265	AAO	310842.00N/0981500.00W	1720	4E

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERNS.

REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

PAT 1 AND PAT 2 HOLDING EVALUATED AT 265 KIAS TO SUPPORT MILITARY OPERATIONS.

ASSIGNED FACILITY MAGVAR: 5E (2010).

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	AUSTIN			KAUS	AUSTIN	TX (US)
DP	CENTEX			KAUS	AUSTIN	TX (US)
DP	LAMPS			KHLR	FORT HOOD (KILLEEN)	TX (US)
DP	CONRA			KHLR	FORT HOOD(KILLEEN)	TX (US)
DP	CONRA			KGRK	FORT HOOD/KILLEEN	TX (US)
DP	LAMPS			KGRK	FORT HOOD/KILLEEN	TX (US)
DP	CONRA			KILE	KILLEEN	TX (US)
DP	LAMPS			KILE	KILLEEN	TX (US)
DP	ALAMO			KSAT	SAN ANTONIO	TX (US)
DP	ALAMO			KSSF	SAN ANTONIO	TX (US)
EN ROUTE	V163					(US)
EN ROUTE	V358					(US)
IAP	RNAV (GPS) RWY 19			KBMQ	BURNET	TX (US)
IAP	COPTER NDB RWY 34			KHLR	FORT HOOD (KILLEEN)	TX (US)
IAP	COPTER RNAV (GPS) RWY 34			KHLR	FORT HOOD (KILLEEN)	TX (US)
IAP	COPTER VOR RWY 32			KHLR	FORT HOOD (KILLEEN)	TX (US)
IAP	COPTER VOR RWY 33			KGRK	FORT HOOD/KILLEEN	TX (US)
IAP	ILS OR LOC RWY 15		1	KGRK	FORT HOOD/KILLEEN	TX (US)
IAP	ILS OR LOC RWY 33		1	KGRK	FORT HOOD/KILLEEN	TX (US)
IAP	RADAR-1		1	KGRK	FORT HOOD/KILLEEN	TX (US)
IAP	RADAR-2		1	KGRK	FORT HOOD/KILLEEN	TX (US)
IAP	RNAV (GPS) RWY 15		2	KGRK	FORT HOOD/KILLEEN	TX (US)
IAP	RNAV (GPS) RWY 33		2	KGRK	FORT HOOD/KILLEEN	TX (US)
IAP	VOR-A			KGRK	FORT HOOD/KILLEEN	TX (US)
IAP	VOR/DME RWY 15		1	KGRK	FORT HOOD/KILLEEN	TX (US)
IAP	RNAV (GPS) RWY 11			KGTU	GEORGETOWN	TX (US)
IAP	RNAV (GPS) RWY 36			KMNZ	HAMILTON	TX (US)
IAP	LOC RWY 1			KILE	KILLEEN	TX (US)
IAP	RNAV (GPS) RWY 1			KILE	KILLEEN	TX (US)
IAP	VOR-A			KILE	KILLEEN	TX (US)
IAP	RNAV (GPS) RWY 34		2	KLZZ	LAMPASAS	TX (US)
IAP	VOR-A		1	KLZZ	LAMPASAS	TX (US)
IAP	RNAV (GPS) RWY 17			KAQO	LLANO	TX (US)
IAP	ILS OR LOC RWY 15			KTPL	TEMPLE	TX (US)
STAR	KNEAD			KGKY	ARLINGTON	TX (US)
STAR	BLEWE			KAUS	AUSTIN	TX (US)
STAR	KALLA			KAUS	AUSTIN	TX (US)
STAR	BLEWE			KHYI	AUSTIN	TX (US)
STAR	KNEAD			KCPT	CLEBURNE	TX (US)
STAR	KNEAD			KADS	DALLAS	TX (US)
STAR	KNEAD			KDAL	DALLAS	TX (US)
STAR	KNEAD			KRBD	DALLAS	TX (US)
STAR	GLEN ROSE			KDFW	DALLAS-FORT WORTH	TX (US)
STAR	SLUGG			KDTO	DENTON	TX (US)
STAR	SLUGG			KAFW	FORT WORTH	TX (US)
STAR	SLUGG			KFTW	FORT WORTH	TX (US)

QUALITY
20
CHECKED

STAR	KNEAD	KFWS	FORT WORTH	TX (US)
STAR	SLUGG	KNFW	FORT WORTH	TX (US)
STAR	KALLA	KGTU	GEORGETOWN	TX (US)
STAR	KNEAD	KGPM	GRAND PRAIRIE	TX (US)
STAR	BLEWE	K3R9	LAKEWAY	TX (US)
STAR	KALLA	K3R9	LAKEWAY	TX (US)
STAR	KNEAD	KLNC	LANCASTER	TX (US)
STAR	KNEAD	KTKI	MC KINNEY	TX (US)
STAR	KNEAD	KHQZ	MESQUITE	TX (US)
STAR	MARCS	KSAT	SAN ANTONIO	TX (US)
STAR	MARCS	KSKF	SAN ANTONIO	TX (US)
STAR	MARCS	KSSF	SAN ANTONIO	TX (US)
STAR	MARCS	KRND	UNIVERSAL CITY	TX (US)

REQUIRED CHARTING: DP, STAR, MILITARY IAP, IAP, CONTROLLER, EN ROUTE LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 12

DATE OF REVISION: 03/29/2018

REASON FOR REVISION:

1. ADDED PAT 2 265 KIAS CONTROLLING OBSTACLE.
2. DELETED NDB RWY 15 AT KGRK FROM FIX USE.

DEVELOPED BY: **DATE:** 10/17/2017 **OFFICE:** AJV-5422 **NAME:** PETER GUIMOND

APPROVED BY: **DATE:** **OFFICE:** AJV-5420 **NAME:** JULIE MORGAN

SIGNATURE:

DISTRIBUTION: **NFDC**
 FPO: CEN
 ARTCC: ZHU
 ATC FACILITY: GRK APP CON
 OTHER:

QUALITY
20
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: GRAY VOR/DME

STATE: TX

COUNTRY: US

ICAO REGION CODE: K4

LATITUDE/LONGITUDE: 310158.39N/0974849.64W

TYPE:

AIRSPACE DOCKET:

FIX TYPE OF ACTION: NO CHANGE

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	MRA FEET	MAA
1	GRAY	GRK	VOR/DME	T						12000

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

PATTERNS:

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG LENGTH TIME DME	HOLDING ALTITUDES MIN MAX	TEMPLATES MIN MAX
1	SE	GRK	VOR/DME	153.00	333.00	L	1	3000 12000	4 9
2	SW	GRK	VOR/DME	237.18	057.18	R	1	3000 6000	4 5
3	SW	GRK	VOR/DME	211.89	031.89	R	1	3000 6000	4 4

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (48-014263)	310300.58N/0975142.17W	1505	1A
2	200	TOWER (48-014263)	310300.58N/0975142.17W	1505	1A
3	100	TOWER (48-014263)	310300.58N/0975142.17W	1505	1A

REASON FOR NONSTANDARD HOLDING:

PAT 1 ATC REQUEST

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERNS

REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.
ASSIGNED FACILITY MAGVAR: 7E (1990).

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	COPTER VOR 032		3	KHLR	FORT HOOD (KILLEEN)	TX (US)
IAP	COPTER VOR RWY 33		1	KGRK	FORT HOOD/KILLEEN	TX (US)
IAP	ILS OR LOC RWY 15			KGRK	FORT HOOD/KILLEEN	TX (US)
IAP	ILS OR LOC RWY 33			KGRK	FORT HOOD/KILLEEN	TX (US)
IAP	VOR-A		1	KGRK	FORT HOOD/KILLEEN	TX (US)
IAP	VOR/DME RWY 15			KGRK	FORT HOOD/KILLEEN	TX (US)
IAP	VOR-A		2	KILE	KILLEEN	TX (US)
IAP	VOR RWY 33			KTPL	TEMPLE	TX (US)

REQUIRED CHARTING: MILITARY IAP, IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 4

DATE OF REVISION: 03/29/2018

REASON FOR REVISION:

1. AMENDED ILS RWY 15 TO READ ILS OR LOC RWY 15 AT KGRK IN FIX USE.
2. DELETED RNAV (GPS) RWY 15 AND NDB RWY 15 AT KGRK FROM FIX USE.
3. ADDED ASSIGNED FACILITY MAGVAR TO REMARKS.
4. ADDED PRECIPITOUS TERRAIN EVALUATION COMPLETED TO REMARKS.
5. ADDED ILS OR LOC RWY 33 AT KGRK TO FIX USE.

DEVELOPED BY: DATE: 10/17/2017

OFFICE: AJV-5422

NAME: PETER GUIMOND

APPROVED BY: DATE:

OFFICE: AJV-5420

NAME: JULIE MORGAN

SIGNATURE:

DISTRIBUTION:

NFDC
FPO: CEN
ARTCC: ZHU
ATC FACILITY: GRK APP CON
OTHER:



RADIO FIX AND HOLDING DATA RECORD

NAME: HOLOD

STATE: TX

COUNTRY: US

ICAO REGION CODE: K4

LATITUDE/LONGITUDE: 310610.96N/0975046.67W

TYPE: DME

AIRSPACE DOCKET:

FIX TYPE OF ACTION: MODIFY

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	FAC FEET	MRA	MAA
1	FORT HOOD/KILLEEN	I-GRK	LOC		333.34	337.34		3.32		1420	5400
2	GRAY	GRK	VOR/DME	T			4.52	4.52		1420	5400

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

REMARKS:

FORT HOOD/KILLEEN (FAC 1) USED TO ESTABLISH FIX COORDINATES

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC RWY 15	1, 2		KGRK	FORT HOOD/KILLEEN	TX (US)

REQUIRED CHARTING: MILITARY IAP, IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2

DATE OF REVISION: 03/29/2018

REASON FOR REVISION:

1. MOVED FIX 0.50 NM SOUTHEAST.
2. AMENDED FAC 1 (I-GRK) MAG BRG FROM 330.35 TO 333.34 AND DIST FROM FAC 3.82 TO 3.32.
3. AMENDED FAC 2 (GRK VOR/DME) DME AND DIST FROM FAC FROM 5.02 TO 4.52.
4. AMENDED FAC 1 AND FAC 2 MAA FROM 5500 TO 5400.
5. ADDED REMARK: FORT HOOD/KILLEEN (FAC 1) USED TO ESTABLISH FIX COORDINATES.

DEVELOPED BY:

DATE: 10/03/2017

OFFICE: AJV-5422

NAME: PETER GUIMOND

APPROVED BY:

DATE:

OFFICE: AJV-5420

NAME: JULIE MORGAN

SIGNATURE:

DISTRIBUTION:

NFDC
FPO: CEN
ARTCC: ZHU
ATC FACILITY: GRK APP CON
OTHER:

QUALITY
20
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: NABCI

STATE: TX

COUNTRY: US

ICAO REGION CODE: K4

LATITUDE/LONGITUDE: 311006.83N/0975241.23W

TYPE: WP, INT, DME

AIRSPACE DOCKET:

FIX TYPE OF ACTION: MODIFY

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	FAC FEET	MRA	MAA
1	FORT HOOD/KILLEEN	I-GRK	LOC		333.34	337.34		7.57	45999	2900	5400
2	GOOCH SPRINGS	AGJ	VORTAC	H	089.20	094.20		13.61		2900	5400
3	GRAY	GRK	VOR/DME	T			8.77	8.77		2900	5400

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

REMARKS:

FORT HOOD/KILLEEN (FAC 1) AND GOOCH SPRINGS (FAC 2) USED TO ESTABLISH FIX COORDINATES

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC RWY 15	1, 2, 3		KGRK	FORT HOOD/KILLEEN	TX (US)
IAP	RNAV (GPS) RWY 15			KGRK	FORT HOOD/KILLEEN	TX (US)

REQUIRED CHARTING: MILITARY IAP, IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2

DATE OF REVISION: 03/29/2018

REASON FOR REVISION:

1. MOVED FIX 0.21 NM SOUTHEAST.
2. ADDED INT AND WP TO FIX TYPE.
3. ADDED FAC 1 (I-GRK), FAC 2 (AGJ VORTAC), AND FAC 3 (GRK VOR/DME).
4. ADDED REMARK: FORT HOOD/KILLEEN (FAC 1) AND GOOCH SPRINGS (FAC 2) USED TO ESTABLISH FIX COORDINATES.
5. ADDED ILS OR LOC RWY 15 AT KGRK TO FIX USE.

DEVELOPED BY:

DATE: 10/05/2017

OFFICE: AJV-5422

NAME: PETER GUIMOND

APPROVED BY:

DATE:

OFFICE: AJV-5420

NAME: JULIE MORGAN

SIGNATURE:

DISTRIBUTION:

NFDC
FPO: CEN
ARTCC: ZHU
ATC FACILITY: GRK APP CON
OTHER:

QUALITY
20
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: OKEST

STATE: TX

COUNTRY: US

ICAO REGION CODE: K4

LATITUDE/LONGITUDE: 311547.96N/0975527.22W

TYPE: WP, INT, DME

AIRSPACE DOCKET:

FIX TYPE OF ACTION: MODIFY

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	FAC FEET	MRA	MAA
1	FORT HOOD/KILLEEN	I-GRK	LOC		333.34	337.34		13.72		3000	5400
2	GOOCH SPRINGS	AGJ	VORTAC	H	062.35	067.35	12.13	12.13		3000	5400
3	GRAY	GRK	VOR/DME	T	330.63	337.63	14.92	14.92		3000	5400

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

REMARKS:

FORT HOOD/KILLEEN (FAC 1) AND GOOCH SPRINGS (FAC 2) USED TO ESTABLISH FIX COORDINATES

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC RWY 15	1, 2, 3		KGRK	FORT HOOD/KILLEEN	TX (US)
IAP	RNAV (GPS) RWY 15			KGRK	FORT HOOD/KILLEEN	TX (US)

REQUIRED CHARTING: MILITARY IAP, IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 6

DATE OF REVISION: 03/29/2018

REASON FOR REVISION:

1. MOVED FIX 486.70 FEET SOUTHEAST.
2. DELETED FAC 3 (GR NDB).
3. AMENDED FAC 1 (I-GRK) MAG BRG FROM 330.35 TO 333.34.
4. AMENDED FAC 1 DIST FROM FAC FROM 13.80 TO 13.72.
5. AMENDED FAC 2 (AGJ VORTAC) MAG BRG FROM 061.97 TO 062.35 AND MAA FROM 17500 TO 5400.
6. AMENDED FAC 3 (GRK VOR/DME) DME AND DIST FROM FAC FROM 15.00 TO 14.92 AND MAA FROM 12000 TO 5400.
7. DELETED NDB RWY 15 AT KGRK FROM FIX USE.
8. ADDED REMARK: FORT HOOD/KILLEEN (FAC 1) AND GOOCH SPRINGS (FAC 2) USED TO ESTABLISH FIX COORDINATES.

DEVELOPED BY:

DATE: 10/03/2017

OFFICE: AJV-5422

NAME: PETER GUIMOND

APPROVED BY:

DATE:

OFFICE: AJV-5420

NAME: JULIE MORGAN

SIGNATURE:

DISTRIBUTION:

NFDC
FPO: CEN
ARTCC: ZHU
ATC FACILITY: GRK APP CON
OTHER:



RADIO FIX AND HOLDING DATA RECORD

NAME: REDDA

STATE: TX

COUNTRY: US

ICAO REGION CODE: K4

LATITUDE/LONGITUDE: 305427.53N/0972523.49W

TYPE: WP, INT, DME

AIRSPACE DOCKET:

FIX TYPE OF ACTION: MODIFY

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	FAC FEET	MRA	MAA
1	CENTEX	CWK	VORTAC	H	003.86	009.86	32.15	32.15		3500	17500
2	GOOCH SPRINGS	AGJ	VORTAC	H	109.00	114.00	40.61	40.61		3500	17500
3	GRAY	GRK	VOR/DME	T	103.31	110.31		21.50		3500	12000

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
AGJ	VORTAC	R-109	41	3500	15700

HOLDING:

HOLDING TYPE OF ACTION: MODIFY

PATTERNS:

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG LENGTH TIME	DME	HOLDING ALTITUDES MIN	ALTITUDES MAX	TEMPLATES MIN	TEMPLATES MAX
1	S	CWK	VORTAC	003.86	003.86	R	1		3500	12000	6	11

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (48-014008)	305046.91N/0972420.01W	996	2C
1	265	TOWER (48-008378)	304310.20N/0973026.90W	1208	5D

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN.

REMARKS:

CENTEX (FAC 1) AND GOOCH SPRINGS (FAC 2) USED TO ESTABLISH FIX COORDINATES
PRECIPITOUS TERRAIN EVALUATION COMPLETED.
PAT 1 HOLDING EVALUATED AT 265 KIAS TO SUPPORT MILITARY OPERATIONS.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	V17	1, 2				(US)
EN ROUTE	ILS OR LOC RWY 15	1, 3	1	KGRK	FORT HOOD/KILLEEN	TX (US)
IAP	ILS OR LOC RWY 33	1, 3	1	KGRK	FORT HOOD/KILLEEN	TX (US)
IAP	RNAV (GPS) RWY 33			KGRK	FORT HOOD/KILLEEN	TX (US)

REQUIRED CHARTING: MILITARY IAP, IAP, CONTROLLER, EN ROUTE LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 3

DATE OF REVISION: 03/29/2018

REASON FOR REVISION:

1. ADDED WAYPOINT TO FIX TYPE.
2. ADDED REMARK: CENTEX (FAC 1) AND GOOCH SPRINGS (FAC 2) USED TO ESTABLISH FIX COORDINATES.
3. AMENDED FAC 2 (AGJ VORTAC) MRA FROM 2700 TO 3500.
4. AMENDED AGJ VORTAC ESV MIN ALTITUDE FROM 2700 TO 3500 (MATCH APPROVED VALUES IN ESVMs).
5. ADDED 265 KIAS CONTROLLING OBSTACLE TO PAT 1.
6. ADDED REMARK: PAT 1 HOLDING EVALUATED AT 265 KIAS TO SUPPORT MILITARY OPERATIONS.

DEVELOPED BY:

DATE: 10/17/2017

OFFICE: AJV-5422

NAME: PETER GUIMOND

APPROVED BY:

DATE:

OFFICE: AJV-5420

NAME: JULIE MORGAN

SIGNATURE:

DISTRIBUTION:

NFDC
FPO: CEN
ARTCC: ZHU
ATC FACILITY: GRK APP CON
OTHER:

QUALITY
20
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: STARN LOM **STATE:** TX **COUNTRY:** US **ICAO REGION CODE:** K4

LATITUDE/LONGITUDE: 311004.76N/0975240.14W **TYPE:** DME

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** CANCEL

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	FAC FEET	MRA	MAA
1	STARN	GR	LOM								17500
2	FORT HOOD/KILLEEN	I-GRK	LOC		330.35	337.35		7.53		3000	5500
3	GRAY	GRK	VOR/DME	T			8.73	8.73		3000	5500

HOLDING: **HOLDING TYPE OF ACTION:** CANCEL

PATTERNS:

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG LENGTH TIME DME	HOLDING ALTITUDES MIN MAX	TEMPLATES MIN MAX
1	NW	GR	LOM	330.10	150.10	R	1	3000 14000	6 10

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	230	TOWER (48-002016)	310801.00N/0975419.00W	1616	3C

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN.

REMARKS:

COORDINATES REFLECT LOCATION ON LOC/AZ CENTERLINE ABEAM THE STARN LOM.
ACTUAL FACILITY LOCATION IS 311004.23N/0975241.62W.
PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC RWY 15	1, 2, 3		KGRK	FORT HOOD/KILLEEN	TX (US)
IAP	NDB RWY 15		1	KGRK	FORT HOOD/KILLEEN	TX (US)

REQUIRED CHARTING: DP, MILITARY IAP, IAP, CONTROLLER, EN ROUTE LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 7 **DATE OF REVISION:** 09/23/2010

REASON FOR REVISION:

DELETED FAC 3 MAG/TRUE BRG (DME FIX USING I-GRK FOR COURSE GUIDANCE).
ADDED FAC 2 TO MAKE STARN A DME FIX AND MOVE VOR/DME TO FAC 3.

DEVELOPED BY: **DATE:** **OFFICE:** **NAME:**

APPROVED BY: **DATE:** **OFFICE:** AJV-5420 **NAME:** JULIE MORGAN

SIGNATURE:

DISTRIBUTION: NFDC
FPO: CEN
ARTCC: ZHU
ATC FACILITY: GRAY APCH
OTHER:

