U.S. DEPARTMENT OF TRANSPORTATION – FEDERAL AVIATION ADMINISTRATION

TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

Bearings, headings, courses, tracks and radials are magnetic. Elevation and altitudes are in feet MSL. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles. Visibilities are in statute miles or feet RVR unless otherwise indicated.

City, State	Airport	Effective Date	Amdt. No.
VAN NUYS, CA	VAN NUYS		AMDT 5

TAKEOFF MINIMUMS:

RWY 16L/R STANDARD WITH MINIMUM CLIMB OF 370 FT PER NM TO 7100.
RWY 34L/R STANDARD WITH MINIMUM CLIMB OF 370 FT PER NM TO 7100.

TEXTUAL DEPARTURE PROCEDURES:

RWY 16L/R - CLIMBING LEFT TURN ON HEADING 050 AND VNY R-095 TO DARTS INT, THENCE...

RWY 34L/R - CLIMBING RIGHT TURN ON HEADING 140 AND VNY R-095 TO DARTS INT, THENCE...

...AIRCRAFT EASTBOUND ON V186 AND SOUTHEAST BOUND ON V459 CLIMB ON COURSE, ALL OTHERS CLIMB IN DARTS HOLDING PATTERN (HOLD W, RT, 095.00 INBOUND) TO DEPART DARTS INT AT OR ABOVE 7100.

TAKEOFF OBSTACLE NOTES:

NOTE: RWY 16L, LIGHT ON HANGAR 713 FT FROM DER, 361 FT LEFT OF CENTERLINE, 27 FT AGL/798 FT MSL
NOTE: RWY 16R, HANGAR 209 FT FROM DER, 516 FT RIGHT OF CENTERLINE, 15 FT AGL/755 FT MSL. FLAGPOLE 570 FT FROM DER, 549 FT RIGHT OF CENTERLINE, 21 FT AGL/761 FT MSL. BUILDING 941 FT FROM DER, 599 FT LEFT OF CENTERLINE, 28 FT AGL/774 FT MSL, TREES BEGINNING 1129 FT FROM DER, LEFT AND RIGHT OF CENTERLINE, UP TO 81 FT AGL/821 FT MSL.
NOTE: RWY 34L, BLAST FENCE 169 FT FROM DER, 405 FT LEFT OF CENTERLINE, 10 FT AGL/812 FT MSL. OBSTRUCTION LIGHT ON BLAST FENCE, 241 FT FROM DER, 195 FT LEFT OF CENTERLINE, 17 FT AGL/819 FT MSL. MULTIPLE TREES BEGINNING 325 FT FROM DER, 549 FT RIGHT OF CENTERLINE, UP TO 91 FT AGL/921 FT MSL. TRAIN 305 FT FROM DER, 369 FT RIGHT OF CENTERLINE, 23 FT AGL/832 FT MSL. BUILDING 424 FT FROM DER, 589 FT RIGHT OF CENTERLINE, 29 FT AGL/831 FT MSL. ANTENNA ON BUILDING 449 FT FROM DER 462 FT LEFT OF CENTERLINE, 15 FT AGL/817 FT MSL. POLE 1376 FT FROM DER, 779 FT LEFT OF CENTERLINE, 68 FT AGL/870 FT MSL. TREES BEGINNING 828 FT FROM DER, 15 LEFT OF CENTERLINE, 78 FT AGL/907 FT MSL.
NOTE: RWY 34R, TRAIN 305 FT FROM DER, 5 FT LEFT OF CENTERLINE, 23 FT AGL/832 FT MSL. BUILDING 424 FT FROM DER, 214 FT RIGHT OF CENTERLINE, 32 FT AGL/831 FT MSL. TREES BEGINNING 324 FT FROM DER, LEFT AND RIGHT OF CENTERLINE, UP TO 91 FT AGL/921 FT MSL.

CONTROLLING OBSTACLES:

RWY 16L/R, RWY 34L/R: 5279 FT MSL AAO 341608.40N/1181420.01W, 10279 FT MSL AAO 341720.88N/1173846.70W.

HOLDING: 5279 FT MSL AAO 341608.40N/118420.01W

OBSTACLES MANDATING ODP ROUTE DEVELOPMENT: 10279 FT MSL AAO 341720.88N/1173846.70W.

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City, State	Airport	Effective Date	Amdt. No.
VAN NUYS, CA	VAN NUYS		AMDT 5

REMARKS:

CG REQUESTED BY ATC.

FLIGHT INSPECTED BY:

REQUIRED EFFECTIVE DATE:

ROUTINE

DEVELOPED BY;

ADOLFO URRUTIA (DANA A. MITCHELL) AJV-354 02/02/2012

APPROVED BY:

DEZ SILAGYI AJV-354

COORDINATED WITH:

ALPA, AOPA, NBAA, ZLA, SOCAL APP/DEP CON, ARPT MGR, OR AERO DIV

CHANGES:

1. REMOVED VCOA
2. UPDATED TAKEOFF OBSTACLE NOTES.
3. UPDATED CONTROLLING OBSTACLES AND ADDED OBSTACLES MANDATING ODP ROUT DEVELOPMENT.
4. UPDATED TEXTUAL DEPARTURE PROCEDURES.
5. ADDED 'CG REQUESTED BY ATC' TO REMARKS.

REASONS:

1. FTP / ATC REQUEST
2. UPDATED DATA.
3. PER 8260-46D APPENDIX D. SECTION 1.9.C.
4. NO LONGER VCOA AND FOR RWY 34L/R HEADING CHANGED TO INSURE JOINING VNY R-095 BY DARTS INT.
5. ATC / FPT REQUESTED.

QUALITY 5 CHECKED

INFO ONLY

RADIO FIX AND HOLDING DATA RECORD

NAME: DARTS **STATE:** CA **COUNTRY:** US

LATITUDE/LONGITUDE: 340921.77N/1181610.54W **TYPE:** 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	DIST FROM FAC FEET	MRA	MAA
1	VAN NUYS	VNY	VOR/DME	L	095.00	110.00	11.77	11.77		5000	17500
2	SEAL BEACH	SLI	VORTAC	L	319.41	334.41	24.77	24.77		6000	17500
3	SANTA MONICA	SMO	VOR/DME	L	031.83	046.83	12.78	12.78		5000	17500
4	PARADISE	PDZ	VORTAC	H	276.32	291.32	39.53	39.53		5000	17500

HOLDING: **HOLDING TYPE OF ACTION:** MODIFY

PATTERNS:

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG LENGTH TIME	LEG LENGTH DME	HOLDING ALTITUDES MIN	HOLDING ALTITUDES MAX	TEMPLATES MIN	TEMPLATES MAX
1	NW	SLI	VORTAC	319.41	139.41	L		10	9000	13000	13	13
2	W	VNY	VOR/DME	095.00	095.00	R	1		6600	7100	15	15

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	230	AAO	342240.90N/1181034.80W	6760	5C
2	310	AAO	340921.77N/1181610.54W	5279	2C

PRECIPITOUS TERRAIN ADDITIONS:

PAT	SPEED	ADDITION
1	230	375
2	310	280

REASON FOR NONSTANDARD HOLDING:
PAT 1 AVOID OUTBOUND TRAFFIC PATTERN ATC REQUEST

HOLDING RESTRICTIONS:
HOLDING LIMITED TO ESTABLISHED PATTERNS.

PROCEDURES REQUIRING CLIMB-IN-HOLD:

PAT	PROCEDURE TITLE	AIRPORT IDENT	CITY	STATE
2	TAKE-OFF MINIMUMS	KVNY	VAN NUYS	CA (US)

REMARKS:
PATTERN 1 10 DME LEGS LENGTH ATC REQUEST. PATTERN EVALUATED WITH TEMPLATE 13 TO ENSURE 10 DME COVERAGE.
PRECEPITOUS TERRAIN EVALUATION COMPLETED.

THIS IS A CORRECTED COPY OF THE FORM DEVELOPED ON 11/10/2009.
ADDED DP TO REQUIRED CHARTING.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	TAKE-OFF MINIMUMS	1, 2		KBUR	BURBANK	CA (US)
DP	ANAHEIM	1, 2, 3		KFUL	FULLERTON	CA (US)
DP	ANAHEIM	2, 4		KLGB	LONG BEACH	CA (US)
DP	ANAHEIM	2, 4		KSNA	SANTA ANA	CA (US)
DP	TAKE-OFF MINIMUMS	1	2	KVNY	VAN NUYS	CA (US)
EN ROUTE	V 459	1, 2				(US)
EN ROUTE	V 597	1, 2				(US)
EN ROUTE	V-186	1, 2				(US)
IAP	VOR/DME OR GPS-B	1, 2, 3		KEMT	EL MONTE	CA (US)
IAP	VOR OR GPS-A	1, 2, 3		KSMO	SANTA MONICA	CA (US)
STAR	FERNANDO	1, 2		KBUR	BURBANK	CA (US)
STAR	KIMMO	1, 2		KLAX	LOS ANGELES	CA (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 6 **DATE OF REVISION:** 02/11/2010

REASON FOR REVISION:

QUALITY CHECKED 5

UPDATED FIX USE.
ADDED PATTERN 2 C-I-H
PATTERN 1 CONTROLLING OBSTACLE CHANGED. MINIMUM HOLDING ALTITUDE REMAINS THE SAME IT IS AN ATC REQUESTED PATTERN.
ADDED DISTANCE FROM FAC TO FAC 1 THROUGH 4
UPDATED SIGNATURE BLOCKS.
UPDATED FAC 1,2,3 AND 4 FROM 4300 TO 5000, 6000, 5000 AND 5000 RESPECTIVELY.

THIS IS AN UPDATED COPY OF THE FORM DEVELOPED ON 10/07/2009.
CHANGED PAT 2 RAD/CRS BRG FROM 275.00 TO 095.00

DEVELOPED BY:	**DATE:** 11/10/2009	**OFFICE:** AVN-130	**NAME:** ANDREW FIELDS
APPROVED BY:	**DATE:** 11/24/2009	**OFFICE:** AVN-130	**NAME:** RICK WEBB
	SIGNATURE:		

DISTRIBUTION:
NFDC
FPO: WST
ARTCC: ZLA
ATC FACILITY: SOCAL APP CON, VAN NUYS ATCT
OTHER:

INFO ONLY

RADIO FIX AND HOLDING DATA RECORD

NAME: VAN NUYS VOR/DME **STATE:** CA **COUNTRY:** US

LATITUDE/LONGITUDE: 341324.39N/1182930.01W **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	DIST FROM FAC FEET	MRA	MAA
1	VAN NUYS	VNY	VOR/DME	L							17500

HOLDING: **HOLDING TYPE OF ACTION:** MODIFY

PATTERNS:

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG LENGTH TIME	LEG LENGTH DME	HOLDING ALTITUDES MIN	HOLDING ALTITUDES MAX	TEMPLATES MIN	TEMPLATES MAX
1	E	VNY	VOR/DME	095.00	275.00	R	1-1 1/2		7600	17500	8	16
2	W	VNY	VOR/DME	255.00	075.00	R	1-1 1/2		4600	17500	5	16
3	W	VNY	VOR/DME	277.50	097.50	R	1-1 1/2		5500	17500	5	16
4	SE	VNY	VOR/DME	115.00	295.00	L	1-1 1/2		5100	6000	13	13

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	230	AAO	341616.40N/1181410.70W	5274	6C
2	200	AAO	341912.00N/1183357.00W	3714	4E
3	200	AAO	341948.00N/1183603.00W	3947	4E
4	310	AAO	341947.28N/1183603.29W	3947	2A

PRECIPITOUS TERRAIN ADDITIONS:

PAT	SPEED	ADDITION
1	230	230
3	200	87
4	310	123

REASON FOR NONSTANDARD HOLDING:
PAT 4 TERRAIN

HOLDING RESTRICTIONS:
HOLDING LIMITED TO ESTABLISHED PATTERNS.

PROCEDURES REQUIRING CLIMB-IN-HOLD:

PAT	PROCEDURE TITLE	AIRPORT IDENT	CITY	STATE
4	TAKE-OFF MINIMUMS	KBUR	BURBANK	CA (US)

REMARKS:
HOLDING PATTERNS 1,2,3, ESTABLISHED BY AIR TRAFFIC FOR UNPLANNED HOLDING. PATTERNS 1,2,3, NOT TO BE CHARTED.
PATTERN 2 CONTROLLING OBSTACLE LOCATED 12128 FT IN THE SECONDARY AREA.
PATTERN 3 CONTROLLING OBSTACLE LOCATED 4595 FT IN THE SECONDARY AREA
PRECIPITOUS TERRAIN EVAL COMPLETE.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	ELMODO			KBUR	BURBANK	CA (US)
DP	TAKE-OFF MINIMUMS		4	KBUR	BURBANK	CA (US)
DP	VAN NUYS			KBUR	BURBANK	CA (US)
DP	ANAHEIM			KFUL	FULLERTON	CA (US)
DP	ANAHEIM			KLGB	LONG BEACH	CA (US)
DP	CHATY			KLAX	LOS ANGELES	CA (US)
DP	GABRE			KLAX	LOS ANGELES	CA (US)
DP	GORMAN			KLAX	LOS ANGELES	CA (US)
DP	TAKE-OFF MINIMUMS			KWHP	LOS ANGELES	CA (US)
DP	CAMARILLO			KOXR	OXNARD	CA (US)
DP	ANAHEIM			KSNA	SANTA ANA	CA (US)
DP	SANTA BARBARA			KSBA	SANTA BARBARA	CA (US)
DP	CANOGA			KVNY	VAN NUYS	CA (US)
DP	GLENDALE			KVNY	VAN NUYS	CA (US)
DP	NEWHALL			KVNY	VAN NUYS	CA (US)
DP	TAKE-OFF MINIMUMS			KVNY	VAN NUYS	CA (US)
EN ROUTE	T249					(US)
EN ROUTE	V 326					(US)
EN ROUTE	V 597					(US)
EN ROUTE	V186					(US)
IAP	ILS OR LOC Z RWY 8			KBUR	BURBANK	CA (US)
IAP	LOC Y RWY 08			KBUR	BURBANK	CA (US)
IAP	VOR RWY 8			KBUR	BURBANK	CA (US)
IAP	VOR RWY 26			KCMA	CAMARILLO	CA (US)
IAP	VOR/DME OR GPS-B			KEMT	EL MONTE	CA (US)
IAP	VOR-A			KWHP	LOS ANGELES	CA (US)
IAP	ILS RWY 25			KOXR	OXNARD	CA (US)
IAP	LOC RWY 25			KOXR	OXNARD	CA (US)

QUALITY CHECKED 5

INFO ONLY

IAP	VOR OR GPS-A	KSMO	SANTA MONICA	CA (US)
IAP	ILS RWY 16R	KVNY	VAN NUYS	CA (US)
IAP	LDA-C	KVNY	VAN NUYS	CA (US)
IAP	VOR-A	KVNY	VAN NUYS	CA (US)
IAP	VOR/DME OR GPS-B	KVNY	VAN NUYS	CA (US)
STAR	FERNANDO	KBUR	BURBANK	CA (US)
STAR	LYNXX	KBUR	BURBANK	CA (US)
STAR	KIMMO	KLAX	LOS ANGELES	CA (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 8 **DATE OF REVISION:** 04/05/2012

REASON FOR REVISION:
UPDATED PAT 1-4 OBS.
MOVED "PRECIPITOUS TERRAIN EVAL COMPLETE" FROM RESTRICTIONS TO REMARKS.
ADDED PAT 3 CONTROLLING OBSTACLE REMARK.
REMOVED REMARK "ABOVE REMARKS RETAINED FOR HISTORICAL PURPOSES".
UPDATED FIX USE.

DEVELOPED BY: **DATE:** 04/06/2011 **OFFICE:** AJV-354 **NAME:** ADOLFO URRUTIA (KYLE THOMPSON)

APPROVED BY: **DATE:** **OFFICE:** AJV-354 **NAME:** DEZ SILAGYI

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: WST
ARTCC: ZLA
ATC FACILITY: SOCAL APP CON
OTHER: VNY ATCT, BUR ATCT

QUALITY 5 CHECKED