

**FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)
TITLE 14 CFR PART 97.37**

Bearings, headings, courses, tracks and radials are magnetic. Elevations 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.

AIRPORT	AIRPORT ID	CITY	STATE	AMDT NO	ACTUAL EFFECTIVE DATE
GUAM INTL	PGUM	GUAM	GU	1A	17 JUNE 2021

TAKEOFF MINIMUMS:

RWY 6L: 400 - 1 3/4 OR STANDARD WITH MINIMUM CLIMB OF 450 FT PER NM TO 800.
RWY 6R: 400 - 1 3/4 OR STANDARD WITH MINIMUM CLIMB OF 520 FT PER NM TO 900.
RWY 24L: STANDARD WITH MINIMUM CLIMB OF 280 FT PER NM TO 1700.
RWY 24R: STANDARD WITH MINIMUM CLIMB OF 286 FT PER NM TO 1700.

TEXTUAL DEPARTURE PROCEDURES:

RWY 6L: CLIMB ON HEADING 062.95 TO 1100 BEFORE PROCEEDING ON COURSE.
RWY 6R: CLIMB ON HEADING 062.96 TO 1100 BEFORE PROCEEDING ON COURSE.

VISUAL CLIMB OVER AIRPORT:



TAKEOFF OBSTACLE NOTES:

NOTE: RWY 06L: TERRAIN ABEAM DER, 472 FT RIGHT OF CENTERLINE, 307 FT MSL. VEGETATION 160 FT FROM DER, 366 FT LEFT OF CENTERLINE, 312 FT MSL. TERRAIN 186 FT FROM DER, 304 FT RIGHT OF CENTERLINE, 313 FT MSL. TERRAIN 196 FT FROM DER, 446 FT RIGHT OF CENTERLINE, 315 FT MSL. TERRAIN 378 FT FROM DER, 333 FT LEFT OF CENTERLINE, 317 FT MSL. TERRAIN BEGINNING 426 FT FROM DER, 374 FT RIGHT OF CENTERLINE, UP TO 326 FT MSL. TREES BEGINNING 467 FT FROM DER, 387 FT LEFT OF CENTERLINE, UP TO 348 FT MSL. TERRAIN BEGINNING 611 FT FROM DER, 430 FT RIGHT OF CENTERLINE, UP TO 336 FT MSL. TREES BEGINNING 712 FT FROM DER, 377 FT LEFT OF CENTERLINE, UP TO 371 FT MSL. TERRAIN BEGINNING 768 FT FROM DER, 472 FT RIGHT OF CENTERLINE, UP TO 344 FT MSL. FENCE, TERRAIN BEGINNING 885 FT FROM DER, 468 FT RIGHT OF CENTERLINE, UP TO 358 FT MSL. TREES BEGINNING 1052 FT FROM DER, 490 FT LEFT OF CENTERLINE, UP TO 374 FT MSL. POLE, FENCE BEGINNING 1074 FT FROM DER, 617 FT RIGHT OF CENTERLINE, UP TO 12 FT AGL/360 FT MSL. TREE, POLE, FENCE BEGINNING 1194 FT FROM DER, 493 FT RIGHT OF CENTERLINE, UP TO 385 FT MSL. TREES BEGINNING 1233 FT FROM DER, 411 FT LEFT OF CENTERLINE, UP TO 376 FT MSL. TREE, POLE, FENCE BEGINNING 1328 FT FROM DER, 376 FT RIGHT OF CENTERLINE, UP TO 390 FT MSL. TREES BEGINNING 1435 FT FROM DER, 613 FT LEFT OF CENTERLINE, UP TO 388 FT MSL. TREE, FENCE BEGINNING 1524 FT FROM DER, 533 FT RIGHT OF CENTERLINE, UP TO 395 FT MSL. TREE, FENCE, POLE, BUILDING, TERRAIN BEGINNING 1570 FT FROM DER, 71 FT RIGHT OF CENTERLINE, UP TO 397 FT MSL. TREE, TERRAIN BEGINNING 1667 FT FROM DER, 79 FT LEFT OF CENTERLINE, UP TO 400 FT MSL. TREE, TERRAIN BEGINNING 1879 FT FROM DER, 73 FT LEFT OF CENTERLINE, UP TO 401 FT MSL. TREE, TERRAIN, BUILDING, FENCE BEGINNING 1986 FT FROM DER, 68 FT RIGHT OF CENTERLINE, UP TO 413 FT MSL. TREE, BUILDING, FENCE, POLE BEGINNING 2057 FT FROM DER, 340 FT RIGHT OF CENTERLINE, UP TO 423 FT MSL. TREES BEGINNING 2123 FT FROM DER, 329 FT LEFT OF CENTERLINE, UP TO 405 FT MSL. TREES BEGINNING 2236 FT FROM DER, 334 FT LEFT OF CENTERLINE, UP TO 409 FT MSL. TREE, BUILDING, FENCE, POLE BEGINNING 2306 FT FROM DER, 343 FT RIGHT OF CENTERLINE, UP TO 431 FT MSL. TREES BEGINNING 2479 FT FROM DER, 359 FT LEFT OF CENTERLINE, UP TO 414 FT MSL. TREES BEGINNING 2702 FT FROM DER, 375 FT LEFT OF CENTERLINE, UP TO 419 FT MSL. TREE, BUILDING, FENCE, POLE BEGINNING 2786 FT FROM DER, 367 FT RIGHT OF CENTERLINE, UP TO 433 FT MSL. TREE 2898 FT FROM DER, 1153 FT RIGHT OF CENTERLINE, 435 FT MSL. TREE, BUILDING BEGINNING 2918 FT FROM DER, 497 FT RIGHT OF CENTERLINE, UP TO 437 FT MSL. TREES BEGINNING 2920 FT FROM DER, 370 FT LEFT OF CENTERLINE, UP TO 427 FT MSL. POLE, TREE, BUILDING, FENCE, VEHICLE ON ROAD, TANK, VEGETATION, RIG BEGINNING 2933 FT FROM DER, 2 FT RIGHT OF CENTERLINE, UP TO 67 FT AGL/469 FT MSL. TREE, VEGETATION, POLE BEGINNING 3137 FT FROM DER, 15 FT LEFT OF CENTERLINE, UP TO 434 FT MSL. POLE, TREE BEGINNING 3771 FT FROM DER, 22 FT LEFT OF CENTERLINE, UP TO 86 FT AGL/436 FT MSL. TREE, FENCE, POLE, BUILDING BEGINNING 4888 FT FROM DER, 1023 FT RIGHT OF CENTERLINE, UP TO 471 FT MSL. TREE, POLE BEGINNING 5042 FT FROM DER, 255 FT RIGHT OF CENTERLINE, UP TO 481 FT MSL. POLE, TREE BEGINNING 5206 FT FROM DER, 266 FT RIGHT OF CENTERLINE, UP TO 34 FT AGL/516 FT MSL. TREE, BUILDING BEGINNING 5494 FT FROM DER, 378 FT RIGHT OF CENTERLINE, UP TO 522 FT MSL. TREE, POLE BEGINNING 5732 FT FROM DER, 1535 FT RIGHT OF CENTERLINE, UP TO 555 FT MSL. TREE, BUILDING BEGINNING 5924 FT FROM DER, 1631 FT RIGHT OF CENTERLINE, UP TO 559 FT MSL. TREES BEGINNING 1 NM FROM DER, 1820 FT RIGHT OF CENTERLINE, UP TO 567 FT MSL. TREES BEGINNING 1.1 NM FROM DER, 697 FT RIGHT OF CENTERLINE, UP TO 616 FT MSL. TREE 1.4 NM FROM DER, 1777 FT RIGHT OF CENTERLINE, 534 FT MSL.

NOTE: RWY 06R: LIGHTING 10 FT FROM DER, 160 FT LEFT OF CENTERLINE, 1 FT AGL/303 FT MSL. SIGN 60 FT FROM DER, 280 FT LEFT OF CENTERLINE, 3 FT AGL/304 FT MSL. TREES BEGINNING 140 FT FROM DER, 460 FT RIGHT OF CENTERLINE, UP TO 378 FT MSL. TREES BEGINNING 725 FT FROM DER, 465 FT RIGHT OF CENTERLINE, UP TO 384 FT MSL. TREE, POLE BEGINNING 952 FT FROM DER, 276 FT RIGHT OF CENTERLINE, UP TO 390 FT MSL. TREES BEGINNING 1080 FT FROM DER, 449 FT RIGHT OF CENTERLINE, UP TO 407 FT MSL. TREES BEGINNING 1279 FT FROM DER, 471 FT RIGHT OF CENTERLINE, UP TO 410 FT MSL. TREES BEGINNING 1472 FT FROM DER, 539 FT RIGHT OF CENTERLINE, UP TO 411 FT MSL. TREE 1637 FT FROM DER, 723 FT RIGHT OF CENTERLINE, 421 FT MSL. TREE, FENCE, POLE, BUILDING, TERRAIN BEGINNING 1653 FT FROM DER, ON CENTERLINE, UP TO 423 FT MSL. FENCE BEGINNING 1885 FT FROM DER, 27 FT LEFT OF CENTERLINE, UP TO 9 FT AGL/358 FT MSL. POLE, FENCE BEGINNING 2074 FT FROM DER, 21 FT LEFT OF CENTERLINE, UP TO 12 FT AGL/360 FT MSL. TREE, POLE, FENCE BEGINNING 2194 FT FROM DER, 12 FT LEFT OF CENTERLINE, UP TO 385 FT MSL. TREE, POLE, FENCE BEGINNING 2328 FT FROM DER, 2 FT LEFT OF CENTERLINE, UP TO 390 FT MSL. TREE 2524 FT FROM DER, 166 FT LEFT OF CENTERLINE, 395 FT MSL. TREE, FENCE BEGINNING 2570 FT FROM DER, 10 FT LEFT OF CENTERLINE, UP TO 397 FT MSL. BUILDING, FENCE, TREE, POLE BEGINNING 3076 FT FROM DER, 45 FT RIGHT OF CENTERLINE, UP TO 20 FT

AGL/426 FT MSL. TREE 3200 FT FROM DER, 1029 FT LEFT OF CENTERLINE, 398 FT MSL. BUILDING, FENCE, TREE, POLE BEGINNING 3208 FT FROM DER, 57 FT RIGHT OF CENTERLINE, UP TO 29 FT AGL/435 FT MSL. TREE, FENCE BEGINNING 3214 FT FROM DER, 1 FT LEFT OF CENTERLINE, UP TO 405 FT MSL. TREE, BUILDING BEGINNING 3297 FT FROM DER, 135 FT RIGHT OF CENTERLINE, UP TO 437 FT MSL. TREE 3343 FT FROM DER, 1034 FT LEFT OF CENTERLINE, 409 FT MSL. POLE, BUILDING, FENCE, TREE BEGINNING 3360 FT FROM DER, 4 FT RIGHT OF CENTERLINE, UP TO 76 FT AGL/482 FT MSL. TREES BEGINNING 3431 FT FROM DER, 220 FT LEFT OF CENTERLINE, UP TO 415 FT MSL. TREES BEGINNING 3525 FT FROM DER, 60 FT LEFT OF CENTERLINE, UP TO 417 FT MSL. POLE, BUILDING, TREE, FENCE, VEHICLE ON ROAD, TANK BEGINNING 3571 FT FROM DER, 19 FT RIGHT OF CENTERLINE, UP TO 81 FT AGL/486 FT MSL. TREE 3609 FT FROM DER, 339 FT LEFT OF CENTERLINE, 421 FT MSL. TREES BEGINNING 3616 FT FROM DER, 57 FT LEFT OF CENTERLINE, UP TO 425 FT MSL. TREES BEGINNING 3920 FT FROM DER, 69 FT LEFT OF CENTERLINE, UP TO 427 FT MSL. TREES BEGINNING 4039 FT FROM DER, 37 FT LEFT OF CENTERLINE, UP TO 432 FT MSL. TREES BEGINNING 4137 FT FROM DER, 65 FT LEFT OF CENTERLINE, UP TO 434 FT MSL. TREE, TANK, BUILDING, POLE, VEHICLE ON ROAD BEGINNING 4403 FT FROM DER, 55 FT RIGHT OF CENTERLINE, UP TO 487 FT MSL. TREE, POLE BEGINNING 4427 FT FROM DER, 42 FT LEFT OF CENTERLINE, UP TO 446 FT MSL. TREE, BUILDING BEGINNING 4606 FT FROM DER, 292 FT RIGHT OF CENTERLINE, UP TO 501 FT MSL. TREE, BUILDING, POLE BEGINNING 4676 FT FROM DER, 152 FT RIGHT OF CENTERLINE, UP TO 514 FT MSL. TREE, POLE, BUILDING BEGINNING 4868 FT FROM DER, 63 FT RIGHT OF CENTERLINE, UP TO 534 FT MSL. TREE, BUILDING, POLE BEGINNING 5057 FT FROM DER, 647 FT RIGHT OF CENTERLINE, UP TO 548 FT MSL. TREE, BUILDING BEGINNING 5287 FT FROM DER, 54 FT RIGHT OF CENTERLINE, UP TO 556 FT MSL. TREE, POLE, BUILDING BEGINNING 5502 FT FROM DER, 581 FT RIGHT OF CENTERLINE, UP TO 569 FT MSL. TREE, POLE BEGINNING 5680 FT FROM DER, 643 FT RIGHT OF CENTERLINE, UP TO 611 FT MSL. TREES BEGINNING 5814 FT FROM DER, 698 FT RIGHT OF CENTERLINE, UP TO 636 FT MSL. TREES BEGINNING 5965 FT FROM DER, 616 FT RIGHT OF CENTERLINE, UP TO 660 FT MSL. BUILDING, POLE, TREE BEGINNING 1 NM FROM DER, 488 FT RIGHT OF CENTERLINE, UP TO 89 FT AGL/700 FT MSL. TREE 1.4 NM FROM DER, 2200 FT RIGHT OF CENTERLINE, 521 FT MSL.

NOTE: RWY 24L: LIGHTING 10 FT FROM DER, 84 FT RIGHT OF CENTERLINE, 2 FT AGL/233 FT MSL. LIGHTING 11 FT FROM DER, 4 FT LEFT OF CENTERLINE, 1 FT AGL/232 FT MSL. SIGN 58 FT FROM DER, 416 FT RIGHT OF CENTERLINE, 3 FT AGL/239 FT MSL. TREE 1415 FT FROM DER, 365 FT LEFT OF CENTERLINE, 269 FT MSL. TREE 1510 FT FROM DER, 405 FT LEFT OF CENTERLINE, 270 FT MSL. TREE 1578 FT FROM DER, 334 FT LEFT OF CENTERLINE, 273 FT MSL.

NOTE: RWY 24R: LIGHTING 8 FT FROM DER, 2 FT RIGHT OF CENTERLINE, 2 FT AGL/235 FT MSL.

CONTROLLING OBSTACLES:

RWY 6L: 469 FT MSL POLE 132931.40N/1444915.75E (CLIMB GRADIENT), 616 FT MSL TREE 132938.62N/1444956.70E (CLIMB-TO ALTITUDE/CEILING), 534 FT MSL TREE 132950.07N/1445009.24E (VISIBILITY).

RWY 6R: 700 FT MSL BLDG 132928.22N/1444942.10E (CLIMB GRADIENT/CLIMB-TO ALTITUDE/CEILING). 521 FT MSL TREE 132936.90N/1445007.32E (VISIBILITY).

RWY 24L, 24R: 1274 FT MSL AAO 132557.67N/1444245.07E.

OBSTACLES MANDATING ODP ROUTE DEVELOPMENT: RWY 6L, 6R: 865 FT MSL TOWER 132914.00N/1444948.00E.

REMARKS:

GUAM CERAP REQUESTED NO VCOA FOR ANY OF THEIR DEPARTURES.
LETTER OF APPROVAL FOR EXCESSIVE CLIMB GRADIENT (520 FT/NM) FROM RWY 6R ON FILE.

FLIGHT INSPECTED BY

JOHN KEARBY

Digitally signed by
DAVID TEFFETELLER
May 04, 2021

OFFICE
FICO

DATE
04/11/2021

DEVELOPED BY

KWEKU DONKOR

Digitally signed by
KWEKU DONKOR
Sep 22, 2020

OFFICE
AJV-A433

DATE
06/08/2020

APPROVED BY

GEORGE DAVIS

Digitally signed by
DAVID TEFFETELLER
May 04, 2021

OFFICE
AJV-A430

DATE

TITLE
MANAGER

REQUIRED EFFECTIVE DATE:

ROUTINE

COORDINATED WITH:

A4A **ALPA** **AOPA** **APA** **HAI** **NBAA** **OTHER:** ARPT MGR, GUAM CERAP, AGANA, ATCT

CHANGES - REASONS:

1. TAKEOFF MINIMUMS UPDATE: CHANGED "RWY 6L: 400 - 1 3/4 OR STANDARD WITH MINIMUM CLIMB OF 380 FT PER NM TO 800" TO "RWY 6L: 400 - 1 3/4 OR STANDARD WITH MINIMUM CLIMB OF 450 FT PER NM TO 800" - PERIODIC REVIEW RESULTS, P-NOTAM RESOLUTION.
2. UPDATED TAKEOFF OBSTACLE NOTES - NEW AIRPORT SURVEY.
3. TAKEOFF MINIMUMS UPDATE: CHANGED "RWY 24R: STANDARD WITH MINIMUM CLIMB OF 285 FT PER NM TO 1700" TO "RWY 24R: STANDARD WITH MINIMUM CLIMB OF 286 FT PER NM TO 1700"- NEW SURVEY.
4. CONTROLLING OBSTACLE UPDATE: RWY 6L: FROM "640 FT MSL TREE 132938.35N/1444956.39E (CLIMB GRADIENT) 640 FT MSL TREE



<u>AIRPORT</u>	<u>AIRPORT ID</u>	<u>CITY</u>	<u>STATE</u>	<u>AMDT NO</u>	<u>EFFECTIVE DATE</u>
GUAM INTL	PGUM	GUAM	GU	1A	17 JUNE 2021

132938.35N/1444956.39E (CLIMB-TO-ALTITUDE)" TO "469 FT MSL POLE 132931.40N/1444915.75E (CLIMB GRADIENT), 616 FT MSL TREE 132938.62N/1444956.70E (CEILING/CLIMB-TO ALTITUDE), 534 FT MSL TREE 132950.07N/1445009.24E (VISIBILITY)". RWY 6R: FROM "701 FT MSL OL BLDG 132928.09N/1444942.14E (CLIMB GRADIENT) 540 FT MSL AAO 132939.33N/1445002.79E" TO "700 FT MSL BLDG 132928.22N/1444942.10E (CLIMB GRADIENT/CLIMB-TO ALTITUDE/CEILING). 521 FT MSL TREE 132936.90N/1445007.32E (VISIBILITY)" - UPDATED OBSTACLE EVALUATION.

