

INSTRUMENT APPROACH PROCEDURE CHARTS

A IFR ALTERNATE AIRPORT MINIMUMS

Standard alternate minimums for non-precision approaches and approaches with vertical guidance [NDB, VOR, LOC, TACAN, LDA, SDF, VOR/DME, ASR, RNAV (GPS) or RNAV (RNP)] are 800-2. Standard alternate minimums for precision approaches (ILS, PAR, or GLS) are 600-2. Airports within this geographical area that require alternate minimums other than standard or alternate minimums with restrictions are listed below. NA - means alternate minimums are not authorized due to unmonitored facility, absence of weather reporting service, or lack of adequate navigation coverage. Civil pilots see FAR 91. IFR Alternate Minimums: Ceiling and Visibility Minimums not applicable to USA/USN/USAF. Pilots must review the IFR Alternate Minimums Notes for alternate airfield suitability.

NAME ALTERNATE MINIMUMS

APALACHICOLA, FL

APALACHICOLA RGNL-CLEVE RANDOLPH
FIELD (AAF).....**RNAV (GPS) Rwy 6**
RNAV (GPS) Rwy 14
RNAV (GPS) Rwy 24
RNAV (GPS) Rwy 32

NA when local weather not available.

BARTOW, FL

BARTOW
EXECUTIVE (BOW).....**RNAV (GPS) Rwy 5**
RNAV (GPS) Rwy 9L
RNAV (GPS) Rwy 23
RNAV (GPS) Rwy 27R

NA when local weather not available.

BOCA RATON, FL

BOCA RATON (BCT).....**RNAV (GPS) Rwy 5¹**
RNAV (GPS) Y Rwy 23²

¹NA when local weather not available.

²Category D, 900-2 $\frac{3}{4}$.

BONIFAY, FL

TRI-COUNTY (1J0).....**RNAV (GPS) Rwy 19**
NA when local weather not available.

BROOKSVILLE, FL

BROOKSVILLE-TAMPA BAY
RGNL (BKV).....**RNAV (GPS) Rwy 3**
RNAV (GPS) Rwy 9
RNAV (GPS) Rwy 21
RNAV (GPS) Rwy 27

NA when local weather not available.

CHARLOTTE AMALIE, VI

CYRIL E KING (STT).....**ILS or LOC Rwy 10¹³**
RNAV (GPS) Rwy 10¹²
VOR-A, 1200-3

¹NA when control tower closed.

²Categories A, B, 1000-2 $\frac{3}{4}$, Category C, 1000-2 $\frac{3}{4}$,
Category D, 1000-3

³ILS, 700-2.

NAME ALTERNATE MINIMUMS

CHRISTIANSTED, ST. CROIX, VI

HENRY E
ROHLSEN (STX).....**ILS or LOC Rwy 10¹**
NDB Rwy 10¹²
RNAV (GPS) Rwy 10³
VOR Rwy 28¹⁴

¹NA when control tower closed.

²Category A, B, 1200-2; Category C, D, 1200-3.

³Category A, B, 1000-2; Category C, D, 1000-3.

⁴Category A, B, 900-2; Category C, D, 900-3.

CRESTVIEW, FL

BOB SIKES (CEW).....**RNAV (GPS) Rwy 17**
RNAV (GPS) Rwy 35
VOR-A¹

NA when local weather not available.

¹Category D, 800-2 $\frac{3}{4}$.

CRYSTAL RIVER, FL

CRYSTAL RIVER-CAPTAIN TOM DAVIS
FIELD (CGC).....**RNAV (GPS) Rwy 9**
RNAV (GPS) Rwy 27

NA when local weather not available.

Category C, 800-2 $\frac{3}{4}$; Category D, 900-2 $\frac{3}{4}$.

DAYTONA BEACH, FL

DAYTONA BEACH
INTL (DAB).....**ILS or LOC Rwy 7L¹**
ILS or LOC Rwy 25R²

NA when control tower closed.

¹ILS, Categories A, B, C, D, 700-2.

²ILS, LOC, Categories A, B, 1100-2;

Category C, D, 1100-3.

DELAND, FL

DELAND MUNI- SIDNEY H.
TAYLOR FIELD (DED).....**RNAV (GPS) Rwy 5**
RNAV (GPS) Rwy 12
RNAV (GPS) Rwy 23
RNAV (GPS) Rwy 30

NA when local weather not available.

13 AUG 2020 to 10 SEP 2020

13 AUG 2020 to 10 SEP 2020

NAME ALTERNATE MINIMUMS

DESTIN, FL

DESTIN
EXECUTIVE (DTS).....RNAV (GPS) Rwy 14
RNAV (GPS) Rwy 32
NA when local weather not available.

FERNANDINA BEACH, FL

FERNANDINA BEACH
MUNI (FHB).....RNAV (GPS) Rwy 4
RNAV (GPS) Rwy 13
RNAV (GPS) Rwy 22
NA when local weather not available.

FORT LAUDERDALE, FL

FORT LAUDERDALE
EXECUTIVE (FXE).....ILS or LOC Rwy 9¹
RNAV (GPS) Rwy 9²
RNAV (GPS) Rwy 27²

NA when local weather not available.
¹ILS, Category B, 700-2; Category C, 800-2½;
Category D, 800-2½; LOC, Category C,
800-2 ¼; Category D, 800-2 ½.
²Category C, 800-2½; Category D, 800-2½.

FORT LAUDERDALE/HOLLYWOOD

INTL (FLL).....ILS or LOC Rwy 10L²
ILS or LOC Rwy 10R⁴
ILS or LOC Rwy 28L³
ILS or LOC Rwy 28R²
RNAV (GPS) Rwy 10R¹
RNAV (GPS) Rwy 28L¹
RNAV (GPS) Z Rwy 10L¹
RNAV (GPS) Y Rwy 28R¹

¹Category D, 800-2¼.
²ILS, Category C, 700-2¼; Category D, 700-2½.
LOC, Category C, 800-2¼; Category D, 800-2½.
³ILS, Categories A, B, 700-2; Categories C, 800-2;
Category D, 800-2¼. LOC, Category D, 800-2¼.
⁴ILS, Categories A, B, 700-2;
Categories C, D, 800-2¼.
LOC, Categories C, D, 800-2¼.

FORT MYERS, FL

PAGE
FIELD (FMY).....ILS or LOC Rwy 5
NA when control tower closed.

SOUTHWEST

FLORIDA INTL (RSW).....ILS or LOC/DME Rwy 6
NA when control tower closed.
ILS, Category E, 700-2¼;
LOC, Category E, 800-2¼.

NAME ALTERNATE MINIMUMS

FORT PIERCE, FL

TREASURE COAST
INTL (FPR).....ILS or LOC Rwy 10R¹²
RNAV (GPS) Rwy 10R³⁴
RNAV (GPS) Rwy 14³⁴
RNAV (GPS) Rwy 28L³⁴
RNAV (GPS) Rwy 32³⁴
VOR/DME Rwy 14³⁴

¹LOC, NA when local weather not available.
²LOC, Category C, 900-2½; Category D, 900-2¼.
³NA when local weather not available.
⁴Category C, 900-2½; Category D, 900-2¼.

GAINESVILLE, FL

GAINESVILLE
RGNL (GNV).....ILS or LOC Rwy 29
RNAV (GPS) Rwy 7
RNAV (GPS) Rwy 11
RNAV (GPS) Rwy 25
RNAV (GPS) Rwy 29

NA when local weather not available.

INVERNESS, FL

INVERNESS (INF).....RNAV (GPS) Rwy 1
RNAV (GPS) Rwy 19

NA when local weather not available.

JACKSONVILLE, FL

CECIL (VQQ).....ILS or LOC Rwy 36R¹²
RNAV (GPS) Rwy 9R
RNAV (GPS) Rwy 18L
RNAV (GPS) Rwy 27L
RNAV (GPS) Rwy 36R
TACAN Rwy 27L³
VOR Rwy 27L

NA when local weather not available.
¹NA when control tower closed.
²LOC, Category E, 900-3.
³Category E, 900-3.

JACKSONVILLE EXECUTIVE AT CRAIG

(CRG).....ILS or LOC Rwy 32
RNAV (GPS) Rwy 32
VOR Rwy 14¹

NA when local weather not available.
¹Categories C, D, 800-2½.

JACKSONVILLE

INTL (JAX).....ILS or LOC Rwy 8¹
ILS or LOC Rwy 14²
VOR/DME Rwy 32²

¹ILS, Category D, 700-2, Category E, 800-2½.
²ILS, Category D, 700-2.
³Category E, 800-2½.

KEY WEST, FL

KEY WEST INTL (EYW).....RNAV (GPS) Rwy 9
RNAV (GPS) Rwy 27
NA when local weather not available.

13 AUG 2020 to 10 SEP 2020

13 AUG 2020 to 10 SEP 2020

NAME ALTERNATE MINIMUMS

LAKE CITY, FL

LAKE CITY
GATEWAY (LCG).....**RNAV (GPS) Rwy 10**
RNAV (GPS) Rwy 28
NA when local weather not available.

LAKELAND, FL

LAKELAND LINDER
INTL (LAL).....**ILS or LOC Rwy 9¹**
RNAV (GPS) Rwy 5
RNAV (GPS) Rwy 9
RNAV (GPS) Rwy 23
RNAV (GPS) Rwy 27
VOR Rwy 9
VOR Rwy 27²

NA when local weather not available.

¹LOC, Category D, 800-2 $\frac{1}{4}$.

²Categories C, D, 800-2 $\frac{1}{2}$.

LAKE WALES, FL

LAKE WALES
MUNI (X07).....**RNAV (GPS) Rwy 6**
NA when local weather not available.

LEESBURG, FL

LEESBURG INTL (LEE).....**RNAV (GPS) Rwy 3**
RNAV (GPS) Rwy 13
RNAV (GPS) Rwy 31
NA when local weather not available.

LIVE OAK, FL

SUWANNEE
COUNTY (24J).....**RNAV (GPS) Rwy 25**
NA when local weather not available.

MARATHON, FL

THE FLORIDA KEYS
MARATHON INTL (MTH).....**NDB-A**
RNAV (GPS) Rwy 7
RNAV (GPS) Rwy 25
NA when local weather not available.

MARIANNA, FL

MARIANNA MUNI (MAI).....**RNAV (GPS) Rwy 18**
NDB-C¹
VOR-A
VOR-B

Category D, 800-2 $\frac{1}{2}$.

¹NA when local weather not available.

MAYAGUEZ, PR

EUGENIO MARIA
DE HOSTOS (MAZ).....**RNAV (GPS) Rwy 9**
VOR Rwy 9
Categories A, B, 1100-2; Category C, 1100-3.
NA except standard for operators with approved
weather reporting service.

NAME ALTERNATE MINIMUMS

MELBOURNE, FL

MELBOURNE
INTL (MLB).....**ILS or LOC Rwy 9R¹²**
LOC BC Rwy 27L¹³
RNAV (GPS) Rwy 9L³
RNAV (GPS) Rwy 9R³
RNAV (GPS) Rwy 27L³
RNAV (GPS) Rwy 27R³
VOR Rwy 9R³
VOR Rwy 27L³

¹NA when control tower closed.

²LOC, Category D, 900-2 $\frac{1}{4}$.

³Category D, 900-2 $\frac{3}{4}$.

MIAMI, FL

MIAMI
EXECUTIVE (TMB).....**ILS or LOC Rwy 9R¹**
RNAV (GPS) Rwy 9L
RNAV (GPS) Rwy 9R
RNAV (GPS) Rwy 27L
RNAV (GPS) Rwy 27R

NA when local weather not available.

¹NA when control tower closed.

MIAMI INTL (MIA).....**ILS or LOC Rwy 26L¹**
ILS or LOC Rwy 27²

¹LOC, Categories A, B, 900-2, Categories C, D,
900-2 $\frac{1}{2}$.

²LOC, Categories A, B, 1300-2, Categories C, D,
E, 1300-3.

MIAMI-OPA LOCKA

EXECUTIVE (OPF).....**ILS or LOC Rwy 9L¹**
ILS or LOC Rwy 12¹
ILS or LOC Rwy 27R¹
RNAV (GPS) Rwy 9L
RNAV (GPS) Rwy 12
RNAV (GPS) Rwy 27R

NA when local weather not available.

¹NA when control tower closed.

NAPLES, FL

NAPLES MUNI (APF).....**RNAV (GPS)-A¹**
RNAV (GPS)-B¹
RNAV (GPS) Rwy 5
RNAV (GPS) Rwy 23

NA when local weather not available.

¹Category D, 800-2 $\frac{1}{4}$.

NEW SMYRNA BEACH, FL

NEW SMYRNA BEACH
MUNI (EVB).....**RNAV (GPS) Rwy 2¹**
RNAV (GPS) Rwy 7¹
RNAV (GPS) Rwy 25
RNAV (GPS) Rwy 29

NA when local weather not available.

¹Category D, 800-2 $\frac{1}{4}$.

13 AUG 2020 to 10 SEP 2020

13 AUG 2020 to 10 SEP 2020

NAME ALTERNATE MINIMUMS

OCALA, FL

OCALA INTL-JIM TAYLOR
FIELD (OCF).....**ILS or LOC/DME Rwy 36**
RNAV (GPS) Rwy 18
RNAV (GPS) Rwy 36
VOR Rwy 36

NA when local weather not available.

OKEECHOBEE, FL

OKEECHOBEE
COUNTY (OBE).....**RNAV (GPS) Rwy 5**
RNAV (GPS) Rwy 14
RNAV (GPS) Rwy 23
RNAV (GPS) Rwy 32

NA when local weather not available.

ORLANDO, FL

EXECUTIVE (ORL).....**ILS or LOC Rwy 7¹²**
ILS or LOC Rwy 25¹²
RNAV (GPS) Rwy 25³

¹NA when control tower closed.
²ILS, LOC, Category C, 800-2¼; Category D, 800-2½.
³Category C, 800-2¼; Category D, 800-2½.

KISSIMMEE

GATEWAY (ISM).....**ILS or LOC Rwy 15**
RNAV (GPS) Rwy 6
RNAV (GPS) Rwy 15
RNAV (GPS) Rwy 33
VOR/DME-A

NA when local weather not available.

ORLANDO

INTL (MCO).....**ILS or LOC Rwy 17R**
ILS or LOC Rwy 18R
ILS or LOC Rwy 35L
ILS or LOC Rwy 36R

ILS, Categories A, B, C, D, 700-2.

ORLANDO SANFORD

INTL (SFB).....**ILS or LOC Rwy 9L¹²**
ILS or LOC Rwy 9R¹²
ILS or LOC Rwy 27R²
RNAV (GPS) Rwy 9L¹
RNAV (GPS) Rwy 9R¹
RNAV (GPS) Rwy 18¹
RNAV (GPS) Rwy 27L¹

¹NA when local weather not available.
²NA when control tower closed.

ORMOND BEACH, FL

ORMOND BEACH
MUNI (OMN).....**RNAV (GPS) Rwy 9**
RNAV (GPS) Rwy 17
RNAV (GPS) Rwy 27

NA when local weather not available.

NAME ALTERNATE MINIMUMS

PALATKA, FL

PALATKA MUNI-LT KAY LARKIN
FIELD (28J).....**RNAV (GPS) Rwy 9**
NA when local weather not available.

PALM COAST, FL

FLAGLER
EXECUTIVE (FIN).....**RNAV (GPS) Rwy 6**
RNAV (GPS) Rwy 11
RNAV (GPS) Rwy 24
RNAV (GPS) Rwy 29

Category D, 800-2¼.

PANAMA CITY, FL

NORTHWEST FLORIDA BEACHES
INTL (ECP).....**ILS or LOC Rwy 16**
RNAV (GPS) Rwy 16
RNAV (GPS) Rwy 34

NA when local weather not available.
NA when control tower closed.

PENSACOLA, FL

PENSACOLA
INTL (PNS).....**ILS or LOC Rwy 17¹**
VOR Rwy 8²

¹NA when control tower closed.
²Category D, 800-2¼.

PERRY, FL

PERRY-FOLEY (FPY).....**RNAV (GPS) Rwy 18¹**
RNAV (GPS) Rwy 36²

NA when local weather not available.
¹Categories A, B, C, 1000-3; Category D, 900-2¾.
²Category D, 900-2¾.

PLANT CITY, FL

PLANT CITY (PCM).....**RNAV (GPS) Rwy 10**
RNAV (GPS) Rwy 28

NA when local weather not available.

POMPANO BEACH, FL

POMPANO BEACH
AIRPARK (PMP).....**LOC Rwy 15¹**
RNAV (GPS) Rwy 6
RNAV (GPS) Rwy 15
RNAV (GPS) Rwy 24
RNAV (GPS) Rwy 33

NA when local weather not available.
¹NA when control tower closed.

13 AUG 2020 to 10 SEP 2020

13 AUG 2020 to 10 SEP 2020

NAME ALTERNATE MINIMUMS

PUNTA GORDA, FL

PUNTA GORDA (PGD).....**ILS or LOC Rwy 4¹²**
RNAV (GPS) Rwy 4³
RNAV (GPS) Rwy 15³
RNAV (GPS) Rwy 22³
RNAV (GPS) Rwy 33³
VOR Rwy 4³
VOR Rwy 22³

NA when local weather not available.

¹NA when control tower closed.

²ILS, LOC, Category D, 800-2 $\frac{1}{4}$.

³Category D, 800-2 $\frac{1}{4}$.

ST. AUGUSTINE, FL

NORTHEAST FLORIDA

RGNL (SGJ).....**ILS or LOC Rwy 31¹²**
RNAV (GPS) Rwy 13³
RNAV (GPS) Rwy 31⁴

¹NA when control tower closed.

²ILS, Category C, 700-2; Category D, 800-2 $\frac{1}{2}$;

LOC, Category D, 800-2 $\frac{1}{2}$.

³NA when local weather not available.

⁴Category D, 800-2 $\frac{1}{2}$.

ST. PETERSBURG, FL

ALBERT

WHITTED (SPG).....**RNAV (GPS) Rwy 7¹**
RNAV (GPS) Rwy 18¹²
RNAV (GPS) Rwy 36²
VOR Rwy 18³

¹NA when local weather not available.

²Categories A, B, 900-2.

³Categories A, B, 1000-2.

ST. PETERSBURG-CLEARWATER, FL

ST. PETE- CLEARWATER

INTL (PIE).....**ILS or LOC Rwy 18⁴⁵**
ILS or LOC Rwy 36²⁴
RNAV (GPS) Rwy 36¹
VOR Rwy 4¹³

¹NA when local weather not available.

²ILS, Categories A, B, C, D, 700-2; Category E,

1000-3; LOC, Category E, 1000-3.

³Categories A, B, 1000-2; Category C, D, 1000-3.

⁴NA when control tower closed.

⁵ILS, Categories C, D, 700-2; Category E, 1000-3;

LOC, Category E, 1000-3

NAME ALTERNATE MINIMUMS

SAN JUAN, PR

LUIS MUNOZ

MARIN INTL (SJU).....**ILS or LOC Rwy 10¹**
RNAV (GPS) Rwy 26²
RNAV (GPS) Rwy 28²
VOR or TACAN Rwy 8³
VOR or TACAN Rwy 10⁴
VOR or TACAN Rwy 26⁵

¹ILS, Category E, 700-2 $\frac{1}{4}$.

LOC, Category E, 800-2 $\frac{1}{4}$.

²Category D, 1000-3.

³Category E, 900-3.

⁴Category E, 800-2 $\frac{1}{4}$.

SARASOTA/BRADENTON, FL

SARASOTA/BRADENTON

INTL (SRQ).....**ILS or LOC Rwy 14**
ILS or LOC Rwy 32

NA when control tower closed.

SEBRING, FL

SEBRING RGNL (SEF).....**RNAV (GPS) RWY 14¹**
RNAV (GPS) RWY 32²

¹NA when local weather not available.

²Category D, 900-2 $\frac{1}{4}$.

STUART, FL

WITHAM FIELD (SUA).....

RNAV (GPS) Rwy 30

NA when local weather not available.

TALLAHASSEE, FL

TALLAHASSEE

INTL (TLH).....**ILS or LOC Rwy 27¹²**
ILS or LOC Rwy 36¹³
RADAR-1⁴
RNAV (GPS) Rwy 9⁴
RNAV (GPS) Rwy 18⁴
RNAV (GPS) Rwy 27⁴
RNAV (GPS) Rwy 36⁴
VOR/DME or TACAN Rwy 36⁵
VOR Rwy 18⁴⁶

¹NA when control tower closed.

²ILS, Categories A, B, C 800-2; Category D,

800-2 $\frac{1}{4}$; Category E, 1000-3; LOC, Category D,

800-2 $\frac{1}{4}$; Category E, 1000-3.

³ILS, Category D, 700-2 $\frac{1}{4}$; LOC, Category D,

800-2 $\frac{1}{4}$.

⁴Category D, 800-2 $\frac{1}{4}$.

⁵Category D, 800-2 $\frac{1}{4}$; Category E, 1000-3.

⁶NA when local weather not available.

TAMPA, FL

PETER O

KNIGHT (TPF).....**RNAV (GPS) Rwy 22**
RNAV (GPS) Rwy 36

NA when local weather not available.

13 AUG 2020 to 10 SEP 2020

13 AUG 2020 to 10 SEP 2020

NAME ALTERNATE MINIMUMS

TAMPA, FL (CON'T)

TAMPA
EXECUTIVE (VDF).....**ILS or LOC Rwy 23¹**
RNAV (GPS) Rwy 5
RNAV (GPS) Rwy 18
RNAV (GPS) Rwy 23

NA when local weather not available.

¹ILS, Categories B, C, 800-2.

TAMPA

INTL (TPA).....**ILS or LOC Rwy 1L¹**
ILS or LOC Rwy 19L²
ILS or LOC Rwy 19R¹
LOC Rwy 1R³
RNAV (GPS) Rwy 1L⁴
RNAV (GPS) Rwy 1R⁵
RNAV (GPS) Rwy 10⁶
RNAV (GPS) Rwy 19R⁴

¹ILS, Category C, 700-2; Categories D, E, 1000-3; LOC Categories D, E, 1000-3.

²ILS, Category C, 700-2; Category D, 1000-3; LOC Category D, 1000-3.

³Categories A, B, 1300-2; Categories C, D, 1300-3.

⁴Category E, 1000-3.

⁵Categories D, E, 1000-3.

⁶Category D, 1000-3.

TITUSVILLE, FL

NASA SHUTTLE LANDING
FACILITY (TTS).....**RNAV (GPS) Rwy 15³**
RNAV (GPS) Rwy 33¹²

¹NA when local weather not available.

²Categories D, E, 1000-3.

³Category C, 1000-2½, Category D, E, 1000-3.

SPACE COAST

RGNL (TIX).....**ILS or LOC Rwy 36²**
RNAV (GPS) Rwy 9¹
RNAV (GPS) Y Rwy 18¹
RNAV (GPS) Z Rwy 18²
RNAV (GPS) Rwy 36¹

¹NA when local weather not available.

²NA when control tower closed.

VENICE, FL

VENICE
MUNI (VNC).....**RNAV (GPS) Rwy 5**
RNAV (GPS) Rwy 13
RNAV (GPS) Rwy 23
RNAV (GPS) Rwy 31

NA when local weather not available.

Category D, 1000-3.

NAME ALTERNATE MINIMUMS

VERO BEACH, FL

VERO BEACH
RGNL (VRB).....**RNAV (GPS) Rwy 4**
RNAV (GPS) Rwy 12R
RNAV (GPS) Rwy 22
RNAV (GPS) Rwy 30L
VOR Rwy 12R
VOR Rwy 30L

NA when local weather not available.

WEST PALM BEACH, FL

PALM BEACH
INTL (PBI).....**ILS or LOC Rwy 10L¹**
ILS or LOC Rwy 28R²
RNAV (GPS) X Rwy 28R³
RNAV (GPS) Y Rwy 10L³
RNAV (GPS) Y Rwy 14³
RNAV (GPS) Y Rwy 28R³
RNAV (GPS) Y Rwy 32³
RNAV (RNP) W Rwy 28R⁴

¹ILS, Category C, 700-2; Category D, 800-2½; LOC, Category D 800-2½.

²LOC, Category D 800-2½.

³Category D, 800-2½.

⁴Categories A, B, C, D, 800-2½.

WINTER HAVEN, FL

WINTER HAVEN
RGNL (GIF).....**RNAV (GPS) Rwy 5¹**
RNAV (GPS) Rwy 11¹
VOR-A

NA when local weather not available.

¹Category D, 800-2½.

ZEPHYRHILLS, FL

ZEPHYRHILLS
MUNI (ZPH).....**RNAV (GPS) Rwy 1**
RNAV (GPS) Rwy 5
RNAV (GPS) Rwy 19
RNAV (GPS) Rwy 23

NA when local weather not available.

13 AUG 2020 to 10 SEP 2020

13 AUG 2020 to 10 SEP 2020