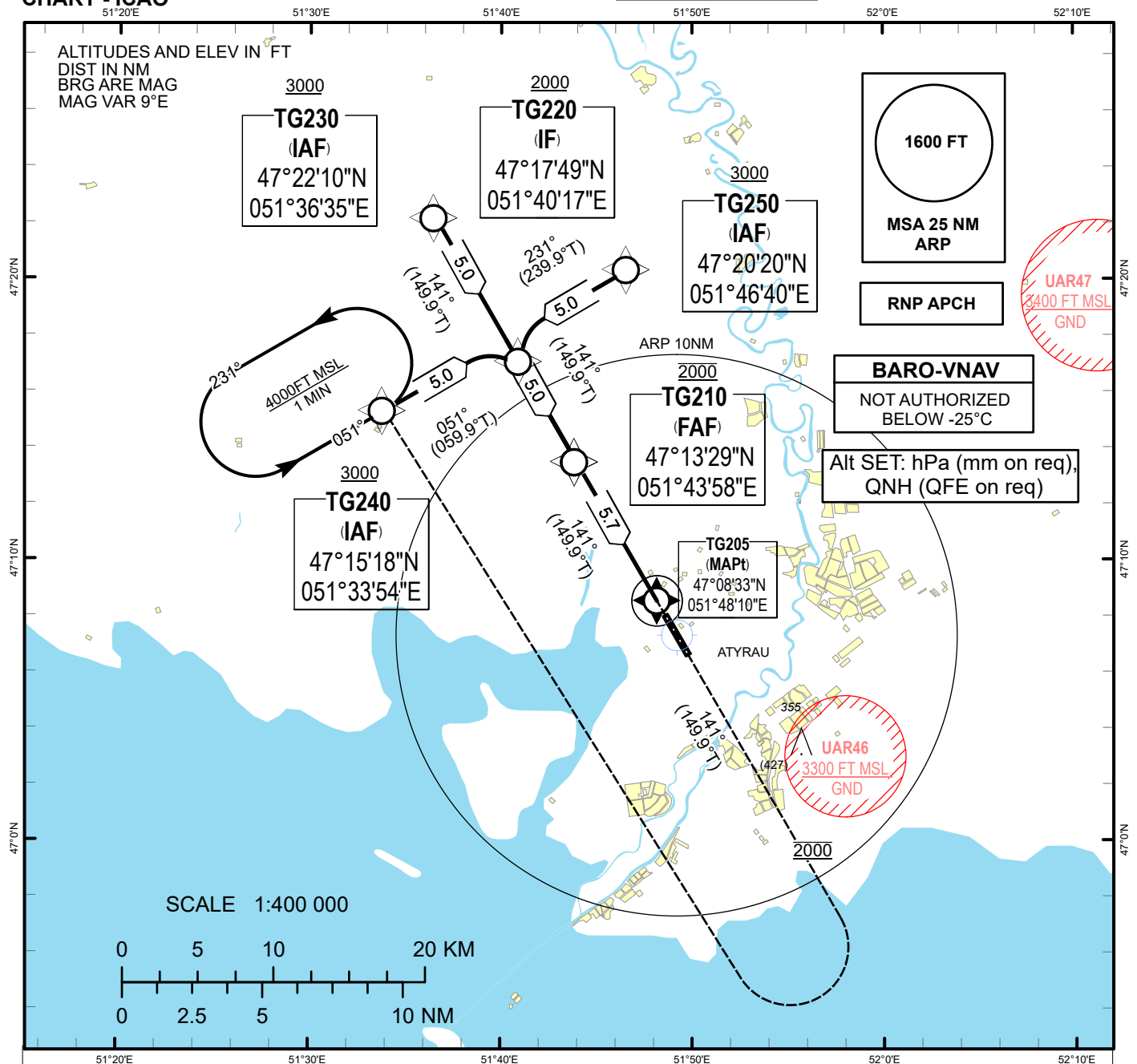


INSTRUMENT
APPROACH
CHART - ICAO

AERODROME ELEV -72
THR RWY 14 - ELEV -74 FT
HEIGHTS RELATED TO AD ELEV

ATYRAU TOWER 118.1
ATYRAU ATIS (EN) 127.4
ATYRAU ATIS (RU) 126.6

ATYRAU
RNP RWY14



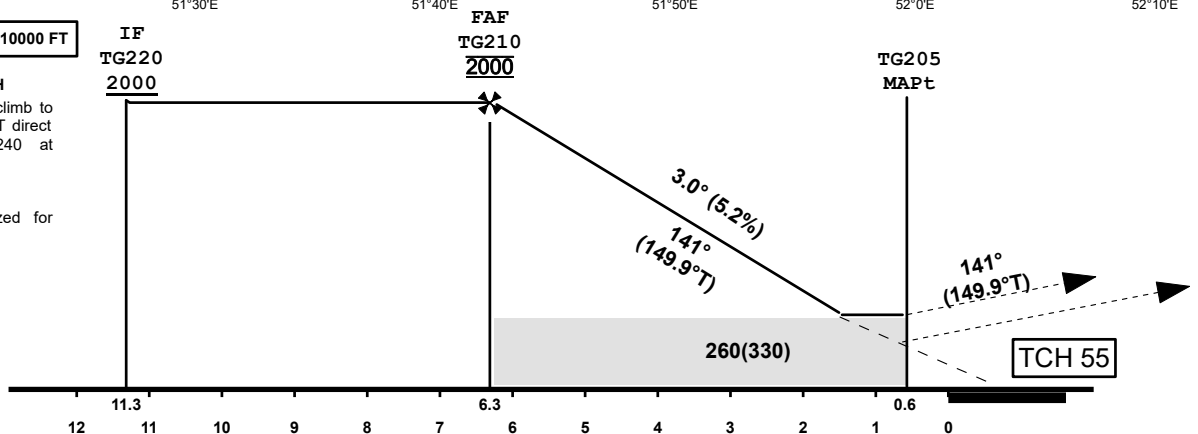
TRANSITION ALT 10000 FT

MISSED APPROACH

On course 141° M climb to 2000 FT, turn RIGHT direct to IAF/MAHF TG240 at 4000 FT.

NOTE:

Timing not authorized for defining the MAPt



| Aircraft Category | | A | B | C | D |
|----------------------------------|-----------|----------|----------|----------|----------|
| Straight-in Approach OCA/H | LNAV | 260(330) | | | |
| | LNAV-VNAV | 140(215) | 150(225) | 160(234) | 170(244) |
| | OCA/H | | | | |

| DIST THR, NM | 6 | 5 | 4 | 3 | 2 | 1 |
|--------------|----------------|----------------|----------------|---------------|--------------|--------------|
| ALT(HGT), FT | 1890 (1970) | 1570 (1650) | 1250 (1330) | 940 (1010) | 620 (690) | 300 (370) |

| GS | KT | 80 | 100 | 120 | 140 | 160 | 180 |
|----------------------|--------|------|------|------|------|------|------|
| Rate of descent | FT/MIN | 420 | 530 | 640 | 740 | 850 | 950 |
| FAF/FAP - THR 6.3 NM | MIN: S | 4:44 | 3:47 | 3:09 | 2:42 | 2:22 | 2:06 |

TABULAR DESCRIPTION

| RNP RWY 14 | | | | | | | | | | |
|---------------|-----------------|---------------------|----------|----------------|---------------|----------------|---------------|------------|--------------------|--------------------------|
| Serial Number | Path Descriptor | Waypoint Identifier | Fly-over | Course °M (°T) | Distance (NM) | Turn Direction | Altitude (FT) | Speed (KT) | VPA / TCH (°) / FT | Navigation Specification |
| IAF TG230 | | | | | | | | | | |
| 001 | IF | TG230 | - | - | - | - | +3000 | - | - | RNP APCH |
| 002 | TF | TG220 | - | 141 (149.9) | 5.0 | - | +2000 | - | - | RNP APCH |
| 003 | TF | TG210 | - | 141 (149.9) | 5.0 | - | @2000 | - | - | RNP APCH |
| 004 | TF | TG205 | Y | 141 (149.9) | 5.7 | - | - | - | -3.0/55 | RNP APCH |
| 005 | CA | - | - | 141 (149.9) | - | - | @2000 | - | - | RNP APCH |
| 006 | DF | TG240 | - | - | - | R | +4000 | - | - | RNP APCH |
| IAF TG240 | | | | | | | | | | |
| 001 | IF | TG240 | - | - | - | - | +3000 | - | - | RNP APCH |
| 002 | TF | TG220 | - | 051 (059.9) | 5.0 | - | +2000 | - | - | RNP APCH |
| 003 | TF | TG210 | - | 141 (149.9) | 5.0 | R | @2000 | - | - | RNP APCH |
| 004 | TF | TG205 | Y | 141 (149.9) | 5.7 | - | - | - | -3.0/55 | RNP APCH |
| 005 | CA | - | - | 141 (149.9) | - | - | @2000 | - | - | RNP APCH |
| 006 | DF | TG240 | - | - | - | R | +4000 | - | - | RNP APCH |
| IAF TG250 | | | | | | | | | | |
| 001 | IF | TG250 | - | - | - | - | +3000 | - | - | RNP APCH |
| 002 | TF | TG220 | - | 231 (239.9) | 5.0 | - | +2000 | - | - | RNP APCH |
| 003 | TF | TG210 | - | 141 (149.9) | 5.0 | L | @2000 | - | - | RNP APCH |
| 004 | TF | TG205 | Y | 141 (149.9) | 5.7 | - | - | - | -3.0/55 | RNP APCH |
| 005 | CA | - | - | 141 (149.9) | - | - | @2000 | - | - | RNP APCH |
| 006 | DF | TG240 | - | - | - | R | +4000 | - | - | RNP APCH |

WAYPOINT LIST

| Waypoint Identifier | Coordinates | |
|---------------------|-------------|-------------|
| TG205 | 470832.60N | 0514810.20E |
| TG210 | 471329.00N | 0514358.00E |
| TG220 | 471749.00N | 0514017.00E |
| TG230 | 472210.00N | 0513635.00E |
| TG240 | 471518.00N | 0513354.00E |
| TG250 | 472020.00N | 0514640.00E |

HOLDINGS

| Path Descriptor | Waypoint Identifier | Inbound Course °M (°T) | Time (MIN) | Turn Direction | Minimum Altitude (FT) | Maximum Altitude (FT) | Speed limit (KT) | Navigation Specification |
|-----------------|---------------------|------------------------|------------|----------------|-----------------------|-----------------------|------------------|--------------------------|
| Hold | TG240 | 051 (059.9) | 1 | L | +4000 | - | - | RNAV 1 |