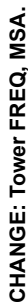


TRANSITION ALT
10000 FT

| | |
|-----------------|-------|
| ASTANA TOWER | 135.5 |
| ASTANA APPROACH | 124.6 |
| ASTANA RADAR | 120.7 |
| ASTANA ATIS(EN) | 129.5 |
| ASTANA ATIS(RU) | 128.3 |

(RNAV 1 STAR BASED ON GNSS)
BEDKA 1C, EDANO 1C, GURPI 1C

**ASTANA
NURSULTAN NAZARBAYEV
INTERNATIONAL AIRPORT
RWY 04**



TABULAR DESCRIPTION

| BEDKA 1C | | | | | | | | | | | |
|---------------|-----------------|---------------------|------------|---------------|-----------------------|-------------|----------------|-------------|----------|---------|--------------------------|
| Serial Number | Path Descriptor | Waypoint Identifier | Fly - over | Course °M(°T) | Magnetic Variation(°) | Distance NM | Turn Direction | Altitude FT | Speed KT | VPA (°) | Navigation Specification |
| 10 | IF | BEDKA | - | | 10 | 0 | - | +FL180 | -315 | - | RNAV1 |
| 20 | TF | CC440 | - | 297(307.3) | 10 | 14 | - | +FL160 | -280 | - | RNAV1 |
| 30 | TF | CC442 | - | 297(307.1) | 10 | 10 | - | @FL140 | -280 | - | RNAV1 |
| 40 | TF | CC444 | - | 219(228.6) | 10 | 6 | L | @FL140 | -280 | - | RNAV1 |
| 50 | TF | CC446 | - | 242(251.5) | 10 | 6 | R | @FL140 | -280 | - | RNAV1 |
| 60 | TF | CC448 | - | 264(274.5) | 10 | 6 | R | @FL140 | -280 | - | RNAV1 |
| 70 | TF | CC460 | - | 6(16.1) | 10 | 15 | R | +9800 | -250 | - | RNAV1 |
| 80 | TF | CC462 | - | 297(306.8) | 10 | 5.9 | L | +7200 -7900 | -250 | - | RNAV1 |
| 90 | TF | ROPIM | - | 322(332.5) | 10 | 11.6 | R | +5100 | -230 | - | RNAV1 |

WAYPOINT LIST

| BEDKA 1C | | |
|---------------------|-------------|-------------|
| Waypoint Identifier | Coordinates | |
| BEDKA | 501318.00N | 0721545.00E |
| CC440 | 502147.51N | 0715824.23E |
| CC442 | 502749.84N | 0714557.03E |
| CC444 | 502352.05N | 0713854.67E |
| CC446 | 502158.41N | 0713001.07E |
| CC448 | 502226.84N | 0712040.54E |
| CC460 | 503650.82N | 0712710.28E |
| CC462 | 504022.77N | 0711945.13E |
| ROPIM | 505037.85N | 0711120.41E |

TABULAR DESCRIPTION

| EDANO 1C | | | | | | | | | | | |
|---------------|-----------------|---------------------|------------|---------------|-----------------------|-------------|----------------|-------------|----------|---------|--------------------------|
| Serial Number | Path Descriptor | Waypoint Identifier | Fly - over | Course °M(°T) | Magnetic Variation(°) | Distance NM | Turn Direction | Altitude FT | Speed KT | VPA (°) | Navigation Specification |
| 10 | IF | EDANO | - | | 10 | 0 | - | +FL220 | -315 | - | RNAV1 |
| 20 | TF | CC450 | - | 241(251.5) | 10 | 30 | - | +FL160 | -280 | - | RNAV1 |
| 30 | TF | CC240 | - | 241(251.3) | 10 | 7.4 | - | +FL150 | -280 | - | RNAV1 |
| 40 | TF | CC452 | - | 217(227.1) | 10 | 17 | L | @FL150 | -280 | - | RNAV1 |
| 50 | TF | CC454 | - | 141(150.5) | 10 | 6 | L | @FL150 | -280 | - | RNAV1 |
| 60 | TF | CC456 | - | 167(177.2) | 10 | 6 | R | @FL150 | -280 | - | RNAV1 |
| 70 | TF | CC458 | - | 194(203.8) | 10 | 6 | R | @FL150 | -280 | - | RNAV1 |
| 80 | TF | CC460 | - | 297(307) | 10 | 13 | R | +9800 | -250 | - | RNAV1 |
| 90 | TF | CC462 | - | 297(306.8) | 10 | 5.9 | L | +7200 -7900 | -250 | - | RNAV1 |
| 100 | TF | ROPIM | - | 322(332.5) | 10 | 11.6 | R | +5100 | -230 | - | RNAV1 |

WAYPOINT LIST

| EDANO 1C | | |
|---------------------|-------------|-------------|
| Waypoint Identifier | Coordinates | |
| EDANO | 510858.00N | 0725804.00E |
| CC450 | 505936.08N | 0721254.38E |
| CC240 | 505715.58N | 0720152.69E |
| CC452 | 504542.01N | 0714207.56E |
| CC454 | 504029.06N | 0714646.59E |
| CC456 | 503429.88N | 0714714.16E |
| CC458 | 502901.03N | 0714325.88E |
| CC460 | 503650.82N | 0712710.28E |
| CC462 | 504022.77N | 0711945.13E |
| ROPIM | 505037.85N | 0711120.41E |

TABULAR DESCRIPTION

| GURPI 1C | | | | | | | | | | | |
|---------------|-----------------|---------------------|------------|---------------|-----------------------|-------------|----------------|-------------|----------|---------|--------------------------|
| Serial Number | Path Descriptor | Waypoint Identifier | Fly - over | Course °M(°T) | Magnetic Variation(°) | Distance NM | Turn Direction | Altitude FT | Speed KT | VPA (°) | Navigation Specification |
| 10 | IF | GURPI | - | | 10 | 0 | - | +FL180 | -315 | - | RNAV1 |
| 20 | TF | CC441 | - | 3(13) | 10 | 16.6 | - | +FL150 | -280 | - | RNAV1 |
| 30 | TF | CC443 | - | 3(13) | 10 | 8 | - | @FL130 | -280 | - | RNAV1 |
| 40 | TF | CC445 | - | 83(92.9) | 10 | 6 | R | @FL130 | -280 | - | RNAV1 |
| 50 | TF | CC447 | - | 63(72.7) | 10 | 6 | L | @FL130 | -280 | - | RNAV1 |
| 60 | TF | CC449 | - | 42(52.5) | 10 | 6 | L | @FL130 | -280 | - | RNAV1 |
| 70 | TF | CC460 | - | 302(312.1) | 10 | 17 | L | +9800 | -250 | - | RNAV1 |
| 80 | TF | CC462 | - | 297(306.8) | 10 | 5.9 | L | +7200-7900 | -250 | - | RNAV1 |
| 90 | TF | ROPIM | - | 322(332.5) | 10 | 11.6 | R | +5100 | -230 | - | RNAV1 |

WAYPOINT LIST

| GURPI 1C | | |
|---------------------|-------------|-------------|
| Waypoint Identifier | Coordinates | |
| GURPI | 495618.00N | 0711236.00E |
| CC441 | 501230.84N | 0711822.55E |
| CC443 | 502018.11N | 0712110.45E |
| CC445 | 502000.04N | 0713031.62E |
| CC447 | 502147.16N | 0713928.13E |
| CC449 | 502526.34N | 0714654.12E |
| CC460 | 503650.82N | 0712710.28E |
| CC462 | 504022.77N | 0711945.13E |
| ROPIM | 505037.85N | 0711120.41E |

CHANGE: Editorial.