

HAMBURG
RNAV RY15

STANDARD INSTRUMENT ARRIVAL ROUTES
(STAR)

| Designator | | BOGMU 3D | | | | | | | | | | |
|------------------|-----------------|---------------------|------------------------------|----------|----------------------------|---------------|----------------|----------------------------|----------------------|-------------------------|-------------------|--------|
| Procedure Remark | | BOGMU THREE DELTA | | | | | | | | | | |
| Route Type | Path Terminator | Waypoint Identifier | Coordinates | Fly-over | (True Track) MAG Track (°) | Distance (NM) | Turn Direction | Altitude (ft) Flight Level | Speed Limit (kt IAS) | Vertical Path Angle (°) | NAV Specification | Remark |
| Common | IF | BOGMU | N 53 58 45.00 E 010 17 19.66 | N | - | - | - | FL110-A4000+ | - | - | RNAV 1 | - |
| Common | TF | DH412 | N 53 53 10.51 E 009 55 54.79 | N | (T246.3) 242 | 13.8 | - | A4000+ | @220 | - | RNAV 1 | - |
| Common | TF | DH413 | N 53 56 43.54 E 009 52 48.97 | N | (T332.8) 329 | 4.0 | - | - | - | - | RNAV 1 | - |
| Common | TF | DH414 | N 54 00 16.48 E 009 49 42.63 | N | (T332.7) 329 | 4.0 | - | - | - | - | RNAV 1 | - |
| Common | TF | DH416 | N 54 03 49.34 E 009 46 35.78 | N | (T332.7) 328 | 4.0 | - | - | - | - | RNAV 1 | - |
| Common | TF | DH455 | N 54 01 31.57 E 009 39 04.13 | N | (T242.7) 238 | 5.0 | - | - | - | - | RNAV 1 | - |
| Common | TF | DH456 | N 53 57 58.90 E 009 42 11.44 | N | (T152.6) 148 | 4.0 | - | - | - | - | RNAV 1 | - |
| Common | TF | DH457 | N 53 54 26.25 E 009 45 18.13 | N | (T152.6) 148 | 4.0 | - | A4000+ | @220 | - | RNAV 1 | - |

| Designator | | NOLGO 3D | | | | | | | | | | |
|------------------|-----------------|---------------------|------------------------------|----------|----------------------------|---------------|----------------|----------------------------|----------------------|-------------------------|-------------------|--------|
| Procedure Remark | | NOLGO THREE DELTA | | | | | | | | | | |
| Route Type | Path Terminator | Waypoint Identifier | Coordinates | Fly-over | (True Track) MAG Track (°) | Distance (NM) | Turn Direction | Altitude (ft) Flight Level | Speed Limit (kt IAS) | Vertical Path Angle (°) | NAV Specification | Remark |
| Common | IF | NOLGO | N 53 23 48.71 E 010 08 18.03 | N | - | - | - | FL110-A4000+ | - | - | RNAV 1 | - |
| Common | TF | DH406 | N 53 38 57.90 E 010 08 12.65 | N | (T359.8) 356 | 15.2 | - | A4000+ | @220 | - | RNAV 1 | - |
| Common | TF | DH407 | N 53 42 31.28 E 010 05 08.86 | N | (T332.9) 329 | 4.0 | - | - | - | - | RNAV 1 | - |
| Common | TF | DH408 | N 53 46 04.57 E 010 02 04.57 | N | (T332.9) 329 | 4.0 | - | - | - | - | RNAV 1 | - |
| Common | TF | DH409 | N 53 49 37.77 E 009 58 59.77 | N | (T332.9) 329 | 4.0 | - | - | - | - | RNAV 1 | - |
| Common | TF | DH412 | N 53 53 10.51 E 009 55 54.79 | N | (T332.8) 329 | 4.0 | - | - | - | - | RNAV 1 | - |
| Common | TF | DH413 | N 53 56 43.54 E 009 52 48.97 | N | (T332.8) 329 | 4.0 | - | - | - | - | RNAV 1 | - |
| Common | TF | DH414 | N 54 00 16.48 E 009 49 42.63 | N | (T332.7) 329 | 4.0 | - | - | - | - | RNAV 1 | - |
| Common | TF | DH416 | N 54 03 49.34 E 009 46 35.78 | N | (T332.7) 328 | 4.0 | - | - | - | - | RNAV 1 | - |
| Common | TF | DH455 | N 54 01 31.57 E 009 39 04.13 | N | (T242.7) 238 | 5.0 | - | - | - | - | RNAV 1 | - |
| Common | TF | DH456 | N 53 57 58.90 E 009 42 11.44 | N | (T152.6) 148 | 4.0 | - | - | - | - | RNAV 1 | - |
| Common | TF | DH457 | N 53 54 26.25 E 009 45 18.13 | N | (T152.6) 148 | 4.0 | - | A4000+ | @220 | - | RNAV 1 | - |

| Designator | | NOLGO 3W | | | | | | | | | | |
|------------------|-----------------|---------------------|------------------------------|----------|----------------------------|---------------|----------------|----------------------------|----------------------|-------------------------|-------------------|--------|
| Procedure Remark | | NOLGO THREE WHISKEY | | | | | | | | | | |
| | | By ATC only! | | | | | | | | | | |
| Route Type | Path Terminator | Waypoint Identifier | Coordinates | Fly-over | (True Track) MAG Track (°) | Distance (NM) | Turn Direction | Altitude (ft) Flight Level | Speed Limit (kt IAS) | Vertical Path Angle (°) | NAV Specification | Remark |
| Common | IF | NOLGO | N 53 23 48.71 E 010 08 18.03 | N | - | - | - | FL110-A4000+ | - | - | RNAV 1 | - |
| Common | TF | DH428 | N 53 34 24.91 E 009 53 16.13 | N | (T319.9) 316 | 13.9 | - | A4000+ | @220 | - | RNAV 1 | - |
| Common | TF | DH429 | N 53 37 57.92 E 009 50 11.44 | N | (T332.7) 329 | 4.0 | - | - | - | - | RNAV 1 | - |
| Common | TF | DH430 | N 53 41 30.46 E 009 47 06.57 | N | (T332.7) 328 | 4.0 | - | - | - | - | RNAV 1 | - |
| Common | TF | DH431 | N 53 45 03.30 E 009 44 00.86 | N | (T332.7) 328 | 4.0 | - | - | - | - | RNAV 1 | - |
| Common | TF | DH432 | N 53 48 35.67 E 009 40 54.98 | N | (T332.6) 328 | 4.0 | - | - | - | - | RNAV 1 | - |
| Common | TF | DH433 | N 53 52 08.33 E 009 37 48.25 | N | (T332.6) 328 | 4.0 | - | - | - | - | RNAV 1 | - |
| Common | TF | DH434 | N 53 55 40.91 E 009 34 41.00 | N | (T332.5) 328 | 4.0 | - | - | - | - | RNAV 1 | - |
| Common | TF | DH435 | N 53 59 13.34 E 009 31 33.29 | N | (T332.5) 328 | 4.0 | - | - | - | - | RNAV 1 | - |
| Common | TF | DH455 | N 54 01 31.57 E 009 39 04.13 | N | (T062.5) 058 | 5.0 | - | - | - | - | RNAV 1 | - |
| Common | TF | DH456 | N 53 57 58.90 E 009 42 11.44 | N | (T152.6) 148 | 4.0 | - | - | - | - | RNAV 1 | - |
| Common | TF | DH457 | N 53 54 26.25 E 009 45 18.13 | N | (T152.6) 148 | 4.0 | - | A4000+ | @220 | - | RNAV 1 | - |