

# BORKUM RIFFGRUND 01

HLD IDENTIFICATION  
**BKR-Z01 WINDFARM**

ICAO IDENTIFIER  
**EDYB**

OSS SIDE IDENTIFICATION  
**BKR-Z01**

FIXED NORMALLY UNATTENDED INSTALLATION  
BORKUM RIFFGRUND 1 OFFSHORE WINDPARK A/S GMBH & CO.OHG

HLD REFERENCE POINT

N 53° 57.85'

E 006° 33.94'

|   |                                 |   |  |  |                            |
|---|---------------------------------|---|--|--|----------------------------|
| <b>LANGEN INFORMATION</b><br>125.100 MHz                                  |                                 | <b>AMSTERDAM INFORMATION</b><br>119.175 MHz |  | <b>ØRSTED OPERATIONS</b><br>131.905 MHz                          |                            |
| <b>WEATHER INFORMATION</b><br>131.440 MHz<br>7x                           |                                 |   | <b>LIGHTING &amp; DIMMING</b><br>131.440 MHz<br>3x 100%      3x 30% (10%)      3x 10% (3%) |  |                            |
| <b>HELIDECK HEIGHT</b><br>129 ft MSL                                      |                                 | <b>D-VALUE</b><br>23 m                      |  | <b>MTOW</b><br>9,3 t   |                            |
| <b>APPROACH / DEPARTURE CORRIDOR</b><br>090° / 270°<br>DECK HEADING 360°  |                                 |   |  |  |                            |
| <b>HIGHEST OBSTACLE ON INSTALLATION</b><br>20 ft ABOVE HLD (ANTENNA MAST) |                                 |   | <b>HIGHEST OBSTACLE IN THE VICINITY</b><br>502 ft MSL (WTG)                                |  |                            |
| <b>REFUELLING FACILITY</b><br>N/A   | <b>GROUND POWER UNIT</b><br>YES |   | <b>LANDING NET</b><br>15 m x 15 m  |  | <b>STATUS LIGHT</b><br>N/A |
| <b>FIRE FIGHTING FACILITIES</b>   |                                 |   |  |  |                            |
| <b>DIFFS</b><br>AUTO + MAN ACTIVATION                                     |                                 | <b>2x HYDRANT</b><br>FLEXIBLE HOSES (25 m)  |  | <b>2x 10 kg CO<sub>2</sub></b><br><br><b>2x 25 kg DRY POWDER</b> |                            |



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| LANGEN INFORMATION<br>125.100 MHz  |  |                                     | AMSTERDAM INFORMATION<br>119.175 MHz |  |  | ØRSTED OPERATIONS<br>131.905 MHz |  |  |
| WEATHER INFORMATION<br>131.440 MHz<br>7x   |  |                                     |                                      | LIGHTING & DIMMING<br>131.440 MHz<br>3x 100%      3x 30% (10%)      3x 10% (3%)  |  |                                  |  |  |
| HELIDECK HEIGHT<br>129 ft MSL  |  |                                     | D-VALUE<br>23 m                      |  |  | MTOW<br>9,3 t                    |  |  |
| APPROACH / DEPARTURE CORRIDOR<br>090° / 270°<br>DECK HEADING 360°  |  |                                     |                                      |  |  |                                  |  |  |
| HIGHEST OBSTACLE ON INSTALLATION<br>20 ft ABOVE HLD (ANTENNA MAST)   |  |                                     |                                      | HIGHEST OBSTACLE IN THE VICINITY<br>502 ft MSL (WTG)   |  |                                  |  |  |
| REFUELLING FACILITY<br>N/A   |  | GROUND POWER UNIT<br>YES            |                                      | LANDING NET<br>15 m x 15 m   |  | STATUS LIGHT<br>N/A              |  |  |
| FIRE FIGHTING FACILITIES   |  |                                     |                                      |  |  |                                  |  |  |
| DIFFS<br>AUTO + MAN ACTIVATION   |  | 2x HYDRANT<br>FLEXIBLE HOSES (25 m) |                                      | 2x 10 kg CO <sub>2</sub>   |  | 2x 25 kg DRY POWDER              |  |  |
| <b>NON - COMPLIANCES</b> <ul style="list-style-type: none"> <li>OBSTACLE MARKING CONCEPT PRESENTLY DEVIATES FROM LEGAL STIPULATIONS, I.E. OBSTACLES EXCEEDING THE HEIGHT OF AND IN PROXIMITY TO THE THE HELIDECK MIGHT NOT BE MARKED ACCORDINGLY (E.G. ANTENNA MAST, HAND RAILS, FLOOD LIGHTS, FLAME DETECTORS)</li> </ul> |  |                                     |                                      | <b>LIMITATIONS</b> <ul style="list-style-type: none"> <li>LANDINGS TO BE PERFORMED WITH LANDING NET FITTED ONLY</li> </ul> |  |                                  |  |  |
| <b>REMARKS</b> <ul style="list-style-type: none"> <li>CONTACT ØRSTED OPERATIONS / HLO PRIOR TO ENTERING OWF AND FOR FURTHER CLEARANCES</li> <li>BE AWARE OF WTG IN CLOSE PROXIMITY TO HELIDECK</li> </ul>  |  |                                     |                                      |  |  |                                  |  |  |

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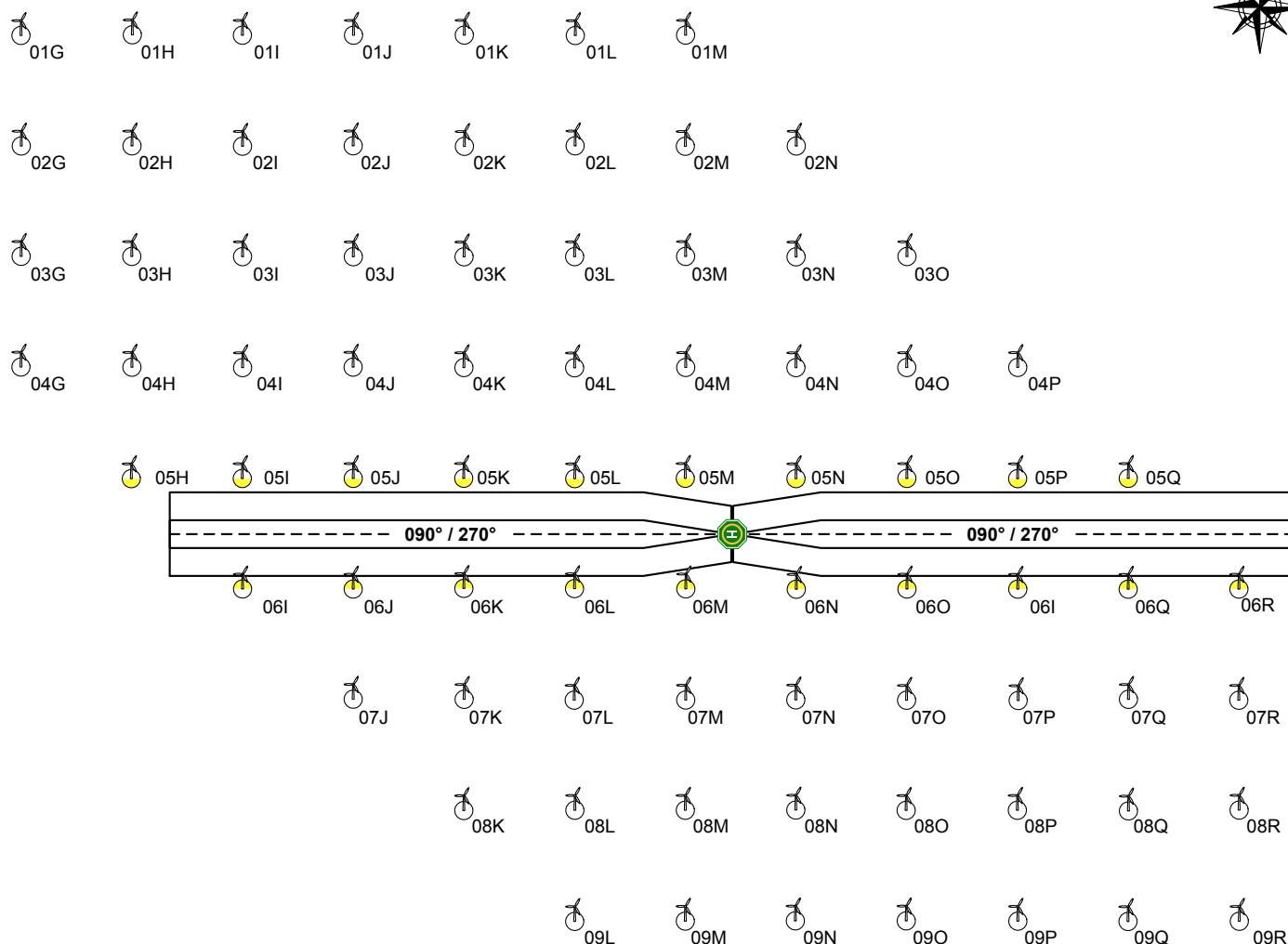
HLD REFERENCE POINT

N 53° 57.85'

E 006° 33.94'

|   |                                 |   |  |  |                            |
|---|---------------------------------|---|--|--|----------------------------|
| <b>LANGEN INFORMATION</b><br>125.100 MHz                                  |                                 | <b>AMSTERDAM INFORMATION</b><br>119.175 MHz |  | <b>ØRSTED OPERATIONS</b><br>131.905 MHz                          |                            |
| <b>WEATHER INFORMATION</b><br>131.440 MHz<br>7x                           |                                 |   | <b>LIGHTING &amp; DIMMING</b><br>131.440 MHz<br>3x 100%      3x 30% (10%)      3x 10% (3%) |  |                            |
| <b>HELIDECK HEIGHT</b><br>129 ft MSL                                      |                                 | <b>D-VALUE</b><br>23 m                      |  | <b>MTOW</b><br>9,3 t   |                            |
| <b>APPROACH / DEPARTURE CORRIDOR</b><br>090° / 270°<br>DECK HEADING 360°  |                                 |   |  |  |                            |
| <b>HIGHEST OBSTACLE ON INSTALLATION</b><br>20 ft ABOVE HLD (ANTENNA MAST) |                                 |   | <b>HIGHEST OBSTACLE IN THE VICINITY</b><br>502 ft MSL (WTG)                                |  |                            |
| <b>REFUELLING FACILITY</b><br>N/A   | <b>GROUND POWER UNIT</b><br>YES |   | <b>LANDING NET</b><br>15 m x 15 m  |  | <b>STATUS LIGHT</b><br>N/A |
| <b>FIRE FIGHTING FACILITIES</b>   |                                 |   |  |  |                            |
| <b>DIFFS</b><br>AUTO + MAN ACTIVATION                                     |                                 | <b>2x HYDRANT</b><br>FLEXIBLE HOSES (25 m)  |  | <b>2x 10 kg CO<sub>2</sub></b><br><br><b>2x 25 kg DRY POWDER</b> |                            |

**WINDFARM LAYOUT**



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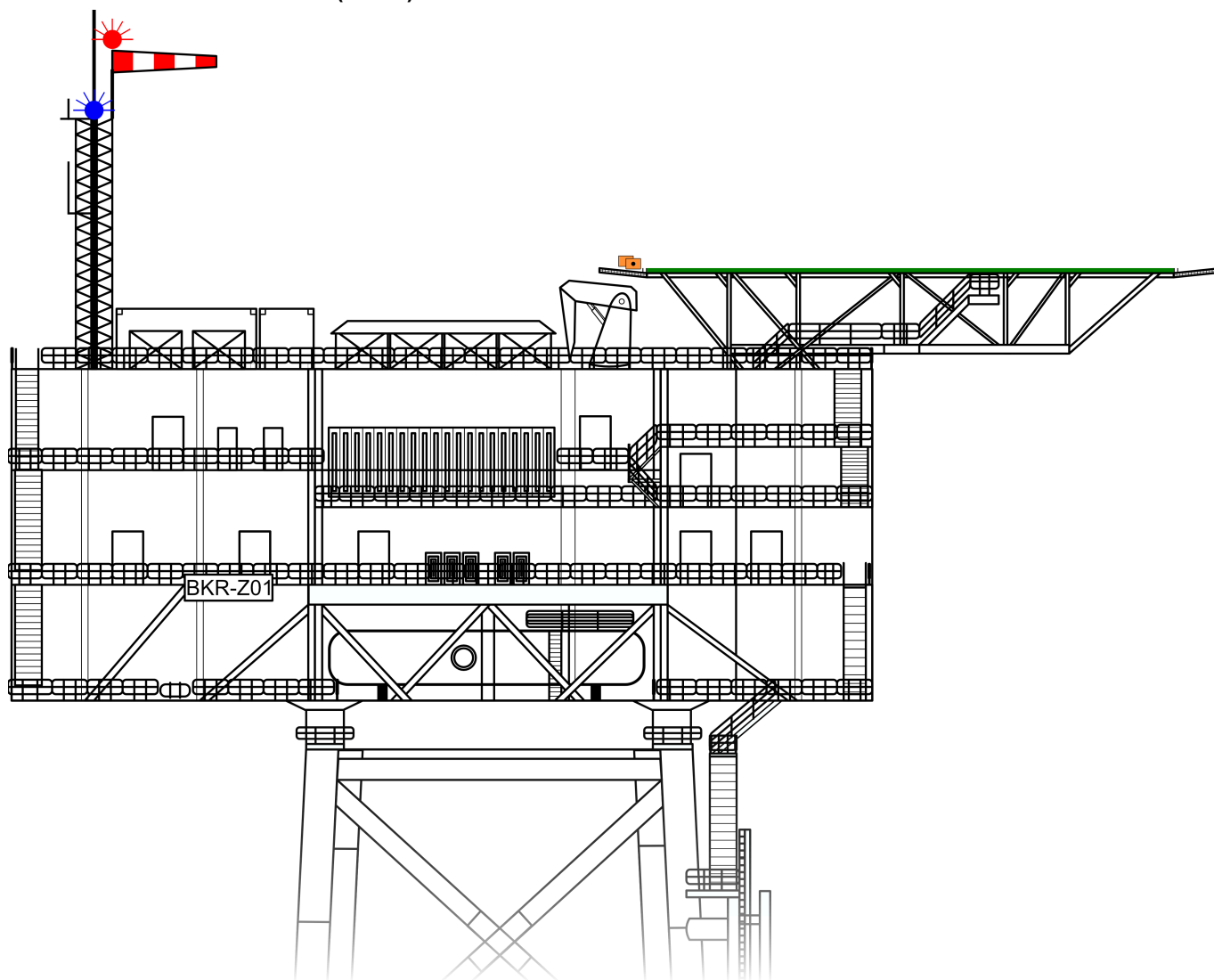
HLD REFERENCE POINT

N 53° 57.85'

E 006° 33.94'

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|---|---|--|----------------------------|
| <b>LANGEN INFORMATION</b><br>125.100 MHz                                  | <b>AMSTERDAM INFORMATION</b><br>119.175 MHz | <b>ØRSTED OPERATIONS</b><br>131.905 MHz  |                            |
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| <b>REFUELLING FACILITY</b><br>N/A   | <b>GROUND POWER UNIT</b><br>YES             | <b>LANDING NET</b><br>15 m x 15 m  | <b>STATUS LIGHT</b><br>N/A |
| <b>FIRE FIGHTING FACILITIES</b>   |   |  |                            |
| <b>DIFFS</b><br>AUTO + MAN ACTIVATION                                     | <b>2x HYDRANT</b><br>FLEXIBLE HOSES (25 m)  | <b>2x 10 kg CO<sub>2</sub></b>   | <b>2x 25 kg DRY POWDER</b> |

**INSTALLATION PROFILE VIEW (EAST)**



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BORKUM RIFFGRUND 1 OFFSHORE WINDPARK A/S GMBH & CO.OHG

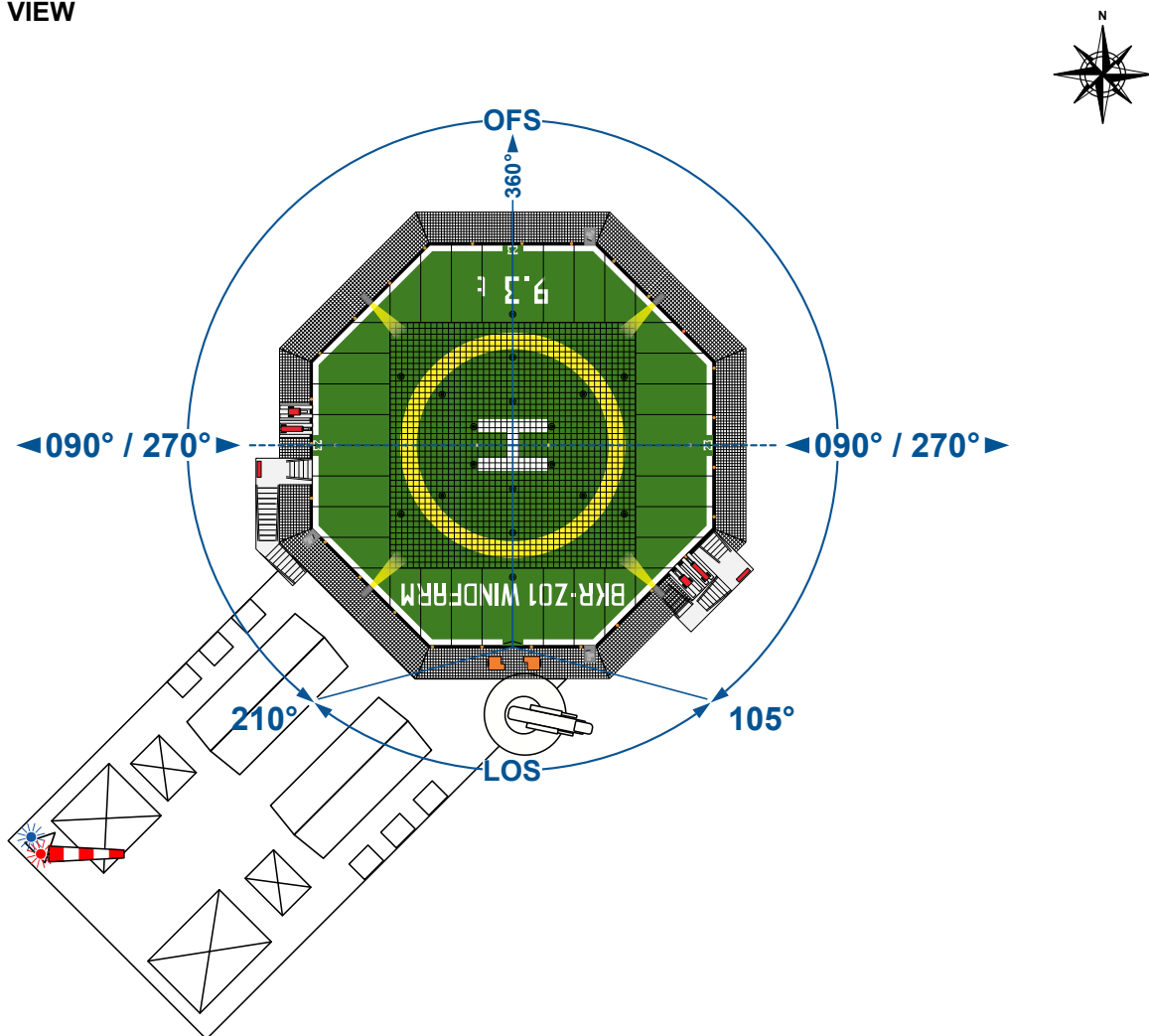
HLD REFERENCE POINT

N 53° 57.85'

E 006° 33.94'

|   |  |   |  |   |                            |
|---|--|---|--|---|----------------------------|
| <b>LANGEN INFORMATION</b><br>125.100 MHz                                  |  | <b>AMSTERDAM INFORMATION</b><br>119.175 MHz |  | <b>ØRSTED OPERATIONS</b><br>131.905 MHz |                            |
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| <b>REFUELLING FACILITY</b><br>N/A   | <b>GROUND POWER UNIT</b><br>YES            |   | <b>LANDING NET</b><br>15 m x 15 m  | <b>STATUS LIGHT</b><br>N/A              |                            |
| <b>FIRE FIGHTING FACILITIES</b>   |  |   |  |   |                            |
| <b>DIFFS</b><br>AUTO + MAN ACTIVATION                                     | <b>2x HYDRANT</b><br>FLEXIBLE HOSES (25 m) |   | <b>2x 10 kg CO<sub>2</sub></b>   |   | <b>2x 25 kg DRY POWDER</b> |

**INSTALLATION TOP VIEW**



# BORLKUM RIFFGRUND 01

## DEPARTURE BR1 EE

HLD IDENTIFICATION  
**BKR-Z01 WINDFARM**

ICAO IDENTIFIER  
**EDYB**

OSS SIDE IDENTIFICATION  
**BKR-Z01**

EXIT POINT BR1EE

N 53° 57.85'

E 006° 37.50'

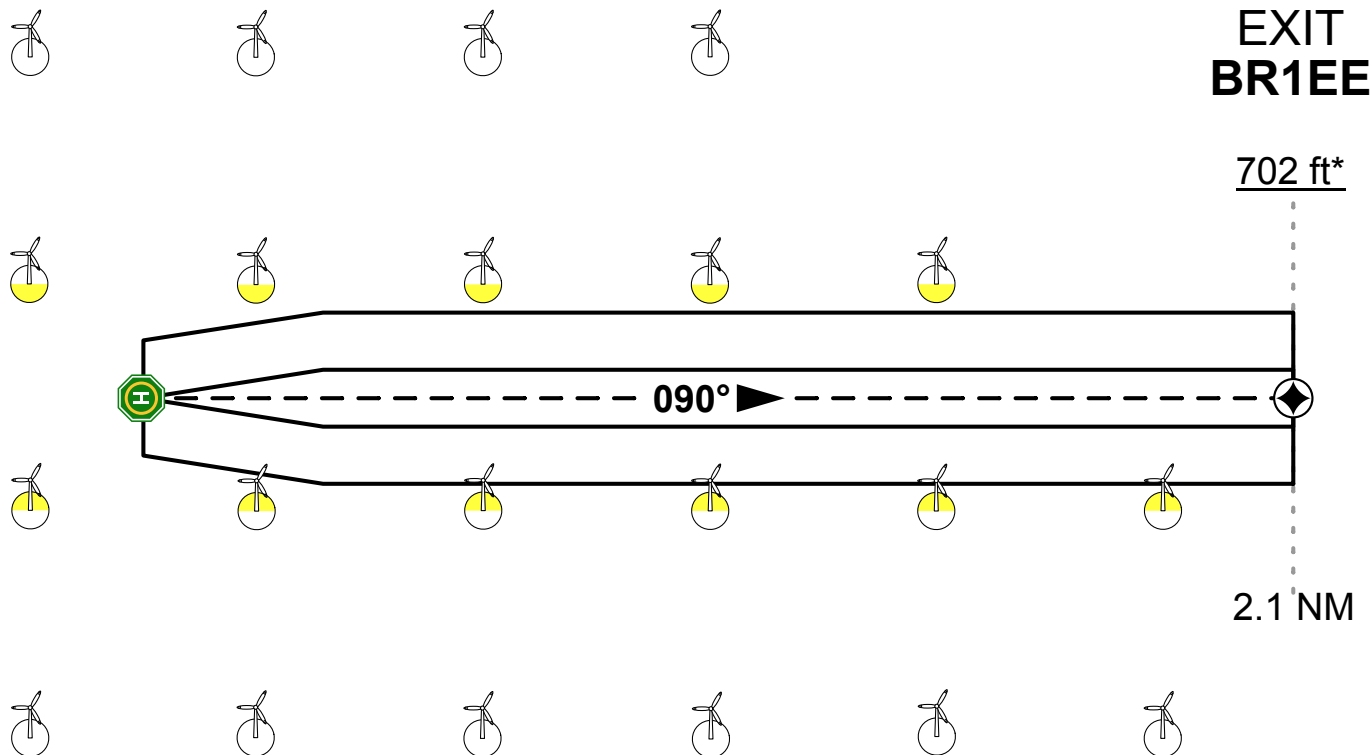
DEPARTURE DIRECTION

090°

**DEPARTURE PROCEDURE**

- DEPART ON TRACK 090°
- OBSTACLE-FREE WHEN WITHIN DEPARTURE CORRIDOR
- ABOVE WTG HEIGHT WHEN PASSING 502 ft MSL
- CORRIDOR DESIGNED TO REACH 200 ft ABOVE WTG HEIGHT AT EXIT POINT BR1EE (4.5% CLIMB RATE)

**DEPARTURE TOP VIEW**



\*200 ft above WTG

# BORKUM RIFFGRUND 01

## DEPARTURE BR1 EW

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**BKR-Z01 WINDFARM**

ICAO IDENTIFIER  
**EDYB**

OSS SIDE IDENTIFICATION  
**BKR-Z01**

EXIT POINT BR1EW

N 53° 57.85'

E 006° 30.38'

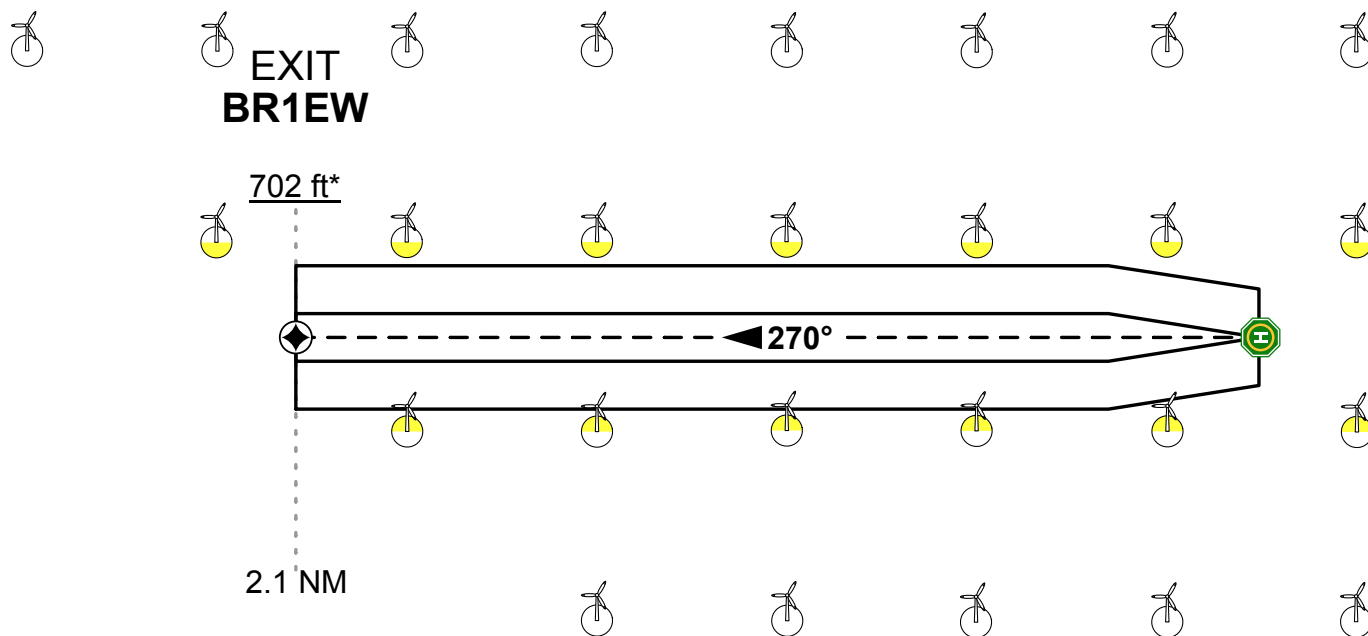
DEPARTURE DIRECTION

270°

**DEPARTURE PROCEDURE**

- DEPART ON TRACK 270°
- OBSTACLE-FREE WHEN WITHIN DEPARTURE CORRIDOR
- ABOVE WTG HEIGHT WHEN PASSING 502 ft MSL
- CORRIDOR DESIGNED TO REACH 200 ft ABOVE WTG HEIGHT AT EXIT POINT BR1EW (4.5% CLIMB RATE)

**DEPARTURE TOP VIEW**



\*200 ft above WTG