1. **Test Dataset: 101AA00DS0006 – Dataset 006 (20221008 FINAL)**

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| **Ref** | **Feature** | **Page** |
| 6.1 | Built-up area (4) | 2 |
| 6.2 | Building, single (20) |  |
| 6.3 | Airport/airfield (3) |  |
| 6.4 | Runway (4) |  |
| 6.5 | Bridge (10) |  |
| 6.6 | Span fixed (6.5 - 5) |  |
| 6.7 | Span opening (6.5 - 3) |  |
| 6.8 | Conveyor (6) |  |
| 6.9 | Overhead cables (6) |  |
| 6.10 | Pipeline, overhead (3) |  |
| 6.11 | Pylon/bridge support (2); (6.5 - 1); (6.8 - 1) |  |
| 6.12 | Fence/wall (1) |  |
| 6.13 | Railway (1) |  |
| 6.14 | Road (3) |  |
| 6.15 | Tunnel (3) |  |

(**74**feature instances)

Dataset Specifications

See document located in github [S-101-Test-Datasets/S-101 Test Dataset Specification 20220725 1.0 FINAL.docx at main · iho-ohi/S-101-Test-Datasets (github.com)](https://github.com/iho-ohi/S-101-Test-Datasets/blob/main/dev/docs/S-101%20Test%20Dataset%20Specification%2020220725%201.0%20FINAL.docx)

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| **Scenario** | 6.1 | | |  |
| **Description** | | Built-up area (point; surface) | | |
| **Location** | | | **Description** | |
| 32°20'25.03"S 60°54'41.85"E | | | 1. Built-Up Area (point) – *captured on land*    1. category of built-up area = 3: village    2. feature name: 2. name = “Boulderdash” 3. Built-Up Area (surface) – *captured on land*    1. category of built-up area = 1: urban area 4. Built-Up Area (surface) – *captured on land*    1. category of built-up area = 4: town    2. feature name: 5. name = “Chuckinford”    1. information:    2. text = “Contains a mariners’ chandlery (52, Sea View Road)” 6. Built-Up Area (surface) – *captured on land, crossed by an area (surface) river (see DCEG 6.1.1, second bullet point)*    1. category of built-up area = 5: city    2. feature name: 7. name = “Boulder City”    1. visual prominence = 3: visually conspicuous | |
| **Screen Capture** | |  | | |

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| **Scenario** | 6.2 | | |  |
| **Description** | | Building, single (point; surface) | | |
| **Location** | | | **Description** | |
| 32°20'25.03"S 60°54'41.85"E | | | 1. Building, single (point) – *captured on land*    1. building shape = 6: pyramid    2. feature name: 2. name = “High Tide Leisure Complex”    1. visual prominence = 1: visually conspicuous 3. Building, single (point) – *captured on land*    1. function = 2: harbour-master’s office    2. nature of construction = 1: masonry; 12: glass    3. multiplicity of features: 4. multiplicity known = *True* 5. number of features = “2” 6. Building, single (point) – *captured in “0 to 5m” depth area, with pile (PILPNT in S-57)*    1. function = 28: lookout; 33: light support    2. feature name: 7. name = “Mackerel Bay Lookout”    1. height = “2.2”    2. nature of construction = 1: masonry    3. visual prominence = 1: visually conspicuous    4. information:    5. text = “historic lookout, 3.5m diameter, fixed white light at the top from dusk until dawn all year” 8. Building, single (surface) – *captured on land*    1. function = 22: temple    2. nature of construction = 1: masonry    3. status = 12: illuminated    4. visual prominence = 1: visually conspicuous    5. information:    6. text = “building shape = octagonal, with thin 3m spire (not visually conspicuous)”    7. language [*equivalent national wording*] 9. Building, single (point) – *captured on land, no attribution* 10. Building, single (point) – *captured on land*     1. function = 21: chapel     2. visual prominence = 1: visually conspicuous 11. Building, single (point) – *captured on land*     1. function = 25: buddhist temple     2. visual prominence = 1: visually conspicuous 12. Building, single (point) – *captured on land*     1. function = 27: marabout     2. visual prominence = 1: visually conspicuous 13. Building, single (point) – *captured on land*     1. function = 33: light support     2. visual prominence = 1: visually conspicuous 14. Building, single (point) – *captured on land*     1. function = 35: cooling     2. visual prominence = 1: visually conspicuous 15. Building, single (point) – *captured on land*     1. visual prominence = 1: visually conspicuous 16. Building, single (point) – *captured on land*     1. function = 21: chapel 17. Building, single (point) – *captured on land*     1. function = 25: buddhist temple 18. Building, single (point) – *captured on land*     1. function = 27: marabout 19. Building, single (point) – *captured on land*     1. function = 33: light support 20. Building, single (point) – *captured on land*     1. function = 35: cooling 21. Building, single (surface) – *captured on land, no attribution* 22. Building, single (surface) – *captured on land*     1. function = 33: light support     2. visual prominence = 1: visually conspicuous 23. Building, single (surface) – *captured on land*     1. function = 33: light support 24. Building, single (surface) – *captured on land*     1. visual prominence = 1: visually conspicuous | |
| **Screen Capture** | |  | | |

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| **Scenario** | 6.3 | | |  |
| **Description** | | Airport/Airfield (point; surface) | | |
| **Location** | | | **Description** | |
| 32°20'25.03"S 60°54'41.85"E | | | 1. Airport/airfield (point)    1. Category of airport/airfield = 6: small planes airfield    2. feature name: 2. name = “Wings Aero” 3. Airport/airfield (surface)    1. Category of airport/airfield = 4: civil heliport    2. feature name: 4. name = “Rotor Engineering” 5. Airport/airfield (surface)    1. Category of airport/airfield = 2: civil aeroplane airport    2. visual prominence = 1: visually conspicuous | |
| **Screen Capture** | |  | | |

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| **Scenario** | 6.4 | | |  |
| **Description** | | Runway (point; curve; surface) | | |
| **Location** | | | **Description** | |
| 32°20'25.03"S 60°54'41.85"E | | | 1. Runway (point)    1. Category of runway = 1: aeroplane runway    2. feature name: 2. name = “Wings Aero” 3. Runway (curve)    1. Category of runway = 1: aeroplane runway    2. feature name:       1. name = “Wings Aero Two” 4. Runway (surface)    1. Category of runway = 2: helicoptor landing pad    2. feature name: 5. name = “Rotor Engineering” 6. Runway (surface)    1. Category of runway = 1: aeroplane runway    2. visual prominence = 1: visually conspicuous | |
| **Screen Capture** | |  | | |

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| **Scenario** | 6.5 | | |  |
| **Description** | | Bridge (curve, surface, none) | | |
| **Location** | | | **Description** | |
| 32°20'25.03"S 60°54'41.85"E | | | 1. Bridge (curve) – *captured over non-navigable water (that is, on land)* 2. Bridge (surface) – *captured over non-navigable water (that is, on land)*    1. feature name: 3. name = “Pigmarket Bridge”   *All the following to be captured over navigable water, between land area on either side:*   1. Bridge Aggregation (curve)   3A) Bridge   * 1. category of bridge = 1: fixed bridge   3B) Span Fixed   * 1. vertical clearance fixed:  1. vertical clearance value = ”null” [empty/unknown] 2. Bridge Aggregation (curve)   4A) Bridge   * 1. category of bridge = 1: fixed bridge   4B) Span Fixed   1. horizontal clearance fixed: 2. horizontal clearance value = ”20.8” 3. vertical clearance fixed: 4. vertical clearance value = ”null” [empty/unknown] 5. height = “8.6” 6. Bridge Aggregation (curve)   5A) Bridge   * 1. category of bridge = 2: opening bridge   5B) Span Opening   1. vertical clearance closed: 2. vertical clearance value = ”7.2” 3. vertical clearance open:    * 1. vertical clearance value = ”null” [empty/unknown] 4. vertical datum = 30: highest astronomical tide 5. Bridge Aggregation (surface)   6A) Bridge   * 1. category of bridge = 1: fixed bridge   6B) Span Fixed   * 1. vertical clearance fixed:  1. vertical clearance value = ”12.0” 2. Bridge Aggregation (surface)   7A) Bridge   * 1. category of bridge = 1: fixed bridge   7B) Span Fixed   1. horizontal clearance fixed: 2. horizontal clearance value = ”20.0” 3. vertical clearance fixed: 4. vertical clearance value = ”14.0” 5. feature name:    * 1. name = “JMW Turner Bridge” 6. Bridge Aggregation (surface)   8A) Bridge   * 1. category of bridge = 5: bascule bridge   8B) Span Opening   1. vertical clearance closed: 2. vertical clearance value = ”10.0” 3. vertical clearance open: 4. vertical clearance value = ”19.0” 5. vertical datum = 30: highest astronomical tide 6. Bridge Aggregation (surface) – *ends of bridge on land area*   9A) Bridge   * 1. category of bridge = 2: opening bridge   9B) Span Opening   1. vertical clearance closed:    * 1. vertical clearance value = ”9.5” 2. vertical clearance open = “null” [empty/unknown] 3. vertical datum = 3: mean sea level   *The following to be captured over navigable water, land area on either side, with two bridge supports in the water, between which is the opening span:*   1. Bridge Aggregation (surface)   10A) Bridge   * 1. category of bridge = 2: opening bridge   10B) Span Opening   1. vertical clearance closed:    * 1. vertical clearance value = ”8.5” 2. vertical clearance open = “null” [empty/unknown] 3. vertical datum = 3: mean sea level   10C) Pylon/Bridge Support   * 1. category of pylon = 1: bridge/pylon tower   2. nature of construction = 1: masonry   10D) Pylon/Bridge Support   1. category of pylon = 1: bridge/pylon tower 2. nature of construction = 1: masonry   10E) Span Fixed   1. vertical clearance fixed:    * 1. vertical clearance value = ”null” [empty/unknown]   10F) Span Fixed   1. vertical clearance fixed:    * 1. vertical clearance value = ”null” [empty/unknown] | |
| **Screen Capture** | |  | | |

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| **Scenario** | 6.6 | | |  |
| **Description** | | Span Fixed (curve; surface) | | |
| **Location** | | | **Description** | |
| 32°20'25.03"S 60°54'41.85"E | | | SEE SECTION 6.5 – BRIDGE (Points 3, 4, 6, 7 and 10) | |
| **Screen Capture** | |  | | |

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| **Scenario** | 6.7 | | |  |
| **Description** | | Span Opening (curve; surface) | | |
| **Location** | | | **Description** | |
| 32°20'25.03"S 60°54'41.85"E | | | SEE SECTION 6.5 – BRIDGE (Points 5, 8 and 10) | |
| **Screen Capture** | |  | | |

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| **Scenario** | 6.8 | | |  |
| **Description** | | Conveyor (curve; surface) | | |
| **Location** | | | **Description** | |
| 32°20'25.03"S 60°54'41.85"E | | | 1. Conveyor (curve) – *on land area* 2. Conveyor (curve) – *on land area* 3. category of conveyor = 2: belt conveyor 4. Conveyor (curve) – *on land area, very near to the water* 5. category of conveyor = 1: aerial cableway 6. radar conspicuous 7. Conveyor (curve) – *over navigable water* 8. category of conveyor = 2: belt conveyor 9. radar conspicuous 10. vertical clearance fixed: 11. vertical clearance value = ”18.0” 12. Conveyor (surface) - *on land area* 13. Multiplicity of features: 14. multiplicity known 15. number of features = “2” 16. Conveyor (surface) – *over narrow width of navigable water* 17. radar conspicuous 18. vertical clearance fixed: 19. vertical clearance value = ”20.0” 20. vertical datum = 30: highest astronomical tide 21. Conveyor (surface) – *over wide width of navigable water*   a. category of conveyor = 1: aerial cableway   1. radar conspicuous 2. vertical clearance fixed: 3. vertical clearance value = ”19.0” 4. vertical datum = 3: mean sea level   ***PLUS:***  Pylon/Bridge Support x 2 (surface):   * 1. category of pylon = 3: aerial cableway pylon   2. colour = 1: white; 11: orange   3. colour pattern = 1: horizontal stripes   4. nature of construction = 7: metal   5. radar conspicuous | |
| **Screen Capture** | |  | | |

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| **Scenario** | 6.9 | | |  |
| **Description** | | Cable Overhead (curve) | | |
| **Location** | | | **Description** | |
| 32°20'25.03"S 60°54'41.85"E | | | 1. Cable Overhead (curve) – *on land area* 2. Cable Overhead (curve) – *on land area, very near to - and parallel with - the coast* 3. radar conspicuous 4. Cable Overhead (curve) – *over navigable water* 5. vertical clearance fixed: 6. vertical clearance value = “12.0” 7. Cable Overhead (curve) – *over navigable water* 8. category of cable = 1: power line 9. vertical clearance safe: 10. vertical clearance value = “9.5” 11. Cable Overhead (curve) – *over navigable water* 12. category of cable = 4: telephone 13. radar conspicuous 14. vertical clearance fixed: 15. vertical clearance value = “13.0” 16. vertical datum = 3: mean sea level 17. Cable Overhead (curve) – *over navigable water*     1. category of cable = 1: power line     2. Multiplicity of features:   i. multiplicity known  ii. number of features = “4”   * 1. radar conspicuous   2. vertical clearance safe:  1. vertical clearance value = “11.0” 2. vertical datum = 30: highest astronomical tide | |
| **Screen Capture** | |  | | |

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| **Scenario** | 6.10 | | |  |
| **Description** | | Pipeline Overhead (curve) | | |
| **Location** | | | **Description** | |
| 32°20'25.03"S 60°54'41.85"E | | | 1. Pipeline Overhead (curve) – *on land, very near to coast*    1. category of pipeline/pipe = 6: supply pipe    2. product = 22: grain    3. radar conspicuous    4. visual prominence = 3: prominent 2. Pipeline Overhead (curve) – *over navigable water*    1. category of pipeline/pipe = 2: gas    2. vertical clearance fixed:   i. vertical clearance value = “16.0”  ii. vertical datum = 30: highest astronomical tide   * 1. visual prominence = 1: visually conspicuous  1. Pipeline Overhead (curve) – *over navigable water* 2. radar conspicuous 3. status = 4: not in use 4. vertical clearance fixed:   i. vertical clearance value = “9.7”  d. vertical datum = 3: mean sea level | |
| **Screen Capture** | |  | | |

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| **Scenario** | 6.11 | | |  |
| **Description** | | Pylon/Bridge Support (point; surface) | | |
| **Location** | | | **Description** | |
| 32°20'25.03"S 60°54'41.85"E | | | 1. Pylon/Bridge Support (point) – *on land area*    1. category of pylon = 1: power transmission pylon/pole    2. nature of construction = 7: metal; 11: latticed    3. visual prominence = 1: visually conspicuous 2. Pylon/Bridge Support (surface) – *in navigable water*    1. category of pylon = 4: bridge pylon/tower    2. condition = 1: under construction    3. nature of construction = 1: masonry 3. Pylon/Bridge Support (surface) – *in navigable water*   SEE SECTION 6.5 – BRIDGE (Point 10) | |
| **Screen Capture** | |  | | |

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| **Scenario** | 6.12 | | |  |
| **Description** | | Fence/Wall (curve) | | |
| **Location** | | | **Description** | |
| 32°20'25.03"S 60°54'41.85"E | | | 1. Fence/Wall (curve) – *on land area*   a. category of fence = 4: wall  b. colour = 6: yellow  c. visual prominence = 1: visually conspicuous | |
| **Screen Capture** | |  | | |

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| **Scenario** | 6.13 | | |  |
| **Description** | | Railway (curve) | | |
| **Location** | | | **Description** | |
| 32°20'25.03"S 60°54'41.85"E | | | 1. Railway (curve) – *on land area*   a. feature name:  i. name = “Mordor Steam Railway”  b. status = 13: historic | |
| **Screen Capture** | |  | | |

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| **Scenario** | 6.14 | | |  |
| **Description** | | Road (curve; surface) | | |
| **Location** | | | **Description** | |
| 32°20'25.03"S 60°54'41.85"E | | | 1. Road (curve) – *on land area* 2. Road (curve) – *on land area*    1. category of road = 2: major road 3. Road (surface) – *on land area*    1. category of road = 1: motorway    2. feature name:       1. name = “M81” | |
| **Screen Capture** | |  | | |

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| **Scenario** | 6.15 | | |  |
| **Description** | | Tunnel (curve; surface) | | |
| **Location** | | | **Description** | |
| 32°20'25.03"S 60°54'41.85"E | | | * + - 1. Tunnel (curve) – *a road tunnel, captured under the seabed, between two land areas*       2. Tunnel (surface) – *a railway tunnel, captured under the seabed, between two land areas*   1. feature name:      1. name = “Chuckinford Inlet Railway Tunnel”   3. Tunnel (surface) – *through land area (rock)* *between two fjords - navigable at the compilation scale of the ENC*   * 1. feature name:      1. name = “Two Fjords Tunnel”   2. horizontal clearance fixed:  1. horizontal clearance value = ”18.0”    1. vertical clearance fixed:   i. vertical clearance value = ”16.0”   * 1. information:      1. text = “Quoted vertical clearance is the minimum value in the centre of the tunnel. Distance is 42.0m” | |
| **Screen Capture** | |  | | |