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| Text  Description automatically generated with medium confidence | **GENERIC TOWAGE ASSESSMENT**  |
| *For vessels falling outside the Minimum Towage Requirements*  |

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| **Section A – Vessel Details** |
| Name of Vessel: |  | Cargo Type: |  |
| Agent: |  | DWT: |  |
| Length Overall(m): |  | Beam (m): |  |
| Max Draft (m): |  | Air Draft (m): |  |

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| **Section B – Manoeuvring & Towing Equipment**  |
| Propeller(s) type |  | Transverse effect\*: |  |
| Dead Slow Ahead Speed (kts) |  | Min Steering Speed (kts) |  |
| Rudder(s) type & position: |  |
| Thrusters (no./kW/type): | Bow |  | Stern |  |
| SWL of Bitts\*\* (specify tonnes or kN): |  |
| Other relevant info: |  |

 \*Transverse effect LH (left handed) RH (right handed), or Inward or Outward for twin screw vessels. \*\*1 tonne force = 9.9 kN

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| **Section C – Planned Movement** |
| Channel: |  | Berth: |  | Side to Quay: |  |

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| **Available tugs within Belfast Harbour – Master may indicate preference**  |

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| **David Ferran and Sons** |
| Type of Tug | Conventional |[ ]
| Length (m) | 15.43 |  |
| Breadth (m) | 5.45 |  |
| Bollard Pull (t) | 14.8 |  |

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| **Boluda SMS Towage – 2 available** |
| Type of Tug | ASD  | 1[ ] 2[ ]  |
| Length (m) | 24.39 |
| Breadth (m) | 9.15 |
| Bollard Pull (t) | 45 or 50 |

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| **Section D – Towage Required (completed by pilot) \* Preliminary method proposed for planning purposes — final method to be agreed during the Master Pilot / Tug Master Exchange. Deselect as necessary.**  |
| **Inward** Tugs - No. & Pull | >10T |[x]  >20T |[x]  >25T |[x]  >40T | [x] [x]  |
| **Inward planned method of towage \*** | On the line  |[x]  Push-Pull |[x]  Hipped up |[x]  Indirect  |[x]
| **Other method please state:** |  |
| Comments e.g. tug type, disposition, etc. | If no tugs required state “None” here: |
| Is outward towage to be separately assessed by inward pilot/Master? YES/NO If NO, complete below tug requirements: |  |
| **Outward** Tugs - No. & Pull | >10T |[x]  >20T |[x]  >25T |[x]  >40T | [x] [x]  |
| **Outward planned method of towage \*** | On the line |[x]  Push-Pull |[x]  Hipped up |[x]  Indirect |[x]
| **Other method please state:** |  |
| Comments e.g. tug type, disposition, etc. | If no tugs required state “None” here: | Assessed at/following inward transit (YES/NO) |  |
| Assessment valid for average wind speeds up to (kts): |  | Max gusts (kts) |  |
| Pilot completing Towage Assessment: |  |
|  |  |
| Confirming Harbour Master: |  |

ig.1 - STC B.V. Wind loading curve