**2.1.4 Le Petomane Memorial Bridge**

The Le Petomane Memorial Bridge, operated by the Jussland Port Authority, crosses the N end of Chenal de Croissant from the NW extremity of Ile de Croissant, extending about 1 mile NW to Pointe Baguette, on the main island. A vertical lift span, which allows vessels to transit through Chenal de Croissant, has the following clearances:

1. Horizontal clearance: 100m
2. Vertical clearance (lowered): 10m
3. Vertical clearance (raised) 30m

| **S-101 DCEG** | **Inland ENC DCEG** | **S-127 DCEG** |
| --- | --- | --- |
| **Bridge Types** | | |
| S-101 (27.8) Category of bridge  S-57 CATBRG  1 – Fixed bridge  2 – Opening bridge  3 – Swing bridge  4 – Lift bridge  5 – Bascule bridge  6 – Pontoon bridge  7 – Drawbridge  8 – Transporter bridge  9 – Footbridge  10 – Aqueduct  11 – Viaduct  12 – Suspension bridge | S-101 (27.8) Category of Bridge  S-57 CATBRG  1 – Fixed bridge  2 – Opening bridge  3 – Swing bridge  4 – Lift bridge  5 – Bascule bridge  6 – Pontoon bridge  7 – Retractable (draw) bridge  8 – Transporter bridge  9 – Footbridge/catwalk  10 – Aqueduct  11 – Viaduct  12 – Suspension bridge | Category of Bridge not listed in S-127 DCEG.  Recommend adding bridge type attributes from Inland ENC DCEG. |
| **Authority** | | |
|  | Neither S-101 or IENC DCEGs have a Category of Authority.  No. 4 (Port) could be used for Jussland Port Authority.  Would we need to create new attributes for “bridgetender” and “lockmaster?” | Category of Authority  1 – Customs  2 – Border control  3 – Police  4 – Port  5 – Immigration  6 – Health  7 – Coast guard  8 – Agricultural  9 – Military  10 – Private company  11 – Maritime police  12 – Environmental  13 – Fishery  14 – Finance  15 – Maritime  Also see S-127 (7.7) Authority |
|  |  |  |
|  |  |  |
| **Clearances** | | |
| S-101 (29.6) Horizontal clearance fixed  S-57 HORCLR | IENC (G.1.1)  S-101 (29.6) Horizontal clearance fixed  S-57 HORCLR | I could not find any references to any type of clearance in the S-127 DCEG |
| S-101 (29.7) Horizontal clearance open | --- |
| S-101 (27.185/29.37) Vertical clearance fixed  S-57 VERCLR | IENC (G.1.1)  S-101 (28.185/28.6) Vertical clearance fixed  S-57 VERCLR |
| S-101 (29.36) Vertical clearance closed  S-57 VERCCL | IENC (G.1.4)  S-101 (29.36) Vertical clearance closed  S-57 VERCCL |
| S-101 (29.38) Vertical clearance open  S-57 VERCOP | IENC (G.1.3)  S-101 (29.38) Vertical clearance open  S-57 VERCOP |
| S-101 (29.39) Vertical clearance safe | -- |

The bridge operates on the following schedule:

| **Days** | **Time (Local)** | **Remarks** |
| --- | --- | --- |
| Monday to Friday | 0730-0830 and 1700-1830 | Bridge does not open to vessel traffic |
| 0830-1700 | Opens on signal |
| 0000-0730 and 1830-2400 | Opens on signal with a 12-hour advance notice to the Bridgetender |
| Saturday to Sunday | 0730-2000 | Opens on signal |
| 0000-0730 and 2000-2400 | Opens on signal with a 12-hour advance notice to the Bridgetender |

| **S-101 DCEG** | **Inland ENC DCEG** | **S-127 DCEG** |
| --- | --- | --- |
| S-101 (27.57) Category of schedule  1 – Normal operation  2 – Closure  3 – Unmanned operation | --- | The following Features/Attributes concerning scheduling are located in the S-127 DCEG, as follows:   * 7.10 Non Standard Working Day * 7.11 Working Hours * 8.4 Fixed Date Range * 8.9 Notice Time * 8.12 Periodic Date Range * 8.15 Schedule by Day of Week * 8.20 Time Interval by Day of Week |
| S-101 (27.78) Date end  S-57 DATEND/PEREND  Conforms to ISO 8601:2004 | --- |
| S-101 (27.79) Date fixed  Free text | --- |
| S-101 (28.80) Date start  S-57 DATSTA/PERSTA  Conforms to ISO 8601:2004 | --- |
| S-101 (27.81) Date variable  Free text | --- | -- |
| S-101 (27.82) Day of week  1 – Monday  2 – Tuesday  3 – Wednesday  4 – Thursday  5 – Friday  6 – Saturday  7 – Sunday | --- |
| S-101 (27.174) Time of day start  Conforms to ISO 8601 | --- |
| S-101 (27.174) Time of day end  Conforms to ISO 8601 | --- |
| S-101 (29.15) Periodic date range  Conforms to ISO 8601:2004 | --- |
| S-101 (27.83) Day of week is range  Boolean value (true/false) | --- |
| S-101 (29.18) Schedule by day of week | --- |
| S-101 (29.32) Time interval by day of week | --- |
| -- | IENC (R.2.2) Direction of impact  1 – Upstream  2 – Downstream | -- |
| -- | IENC (T.1.1) Ship type  1 – General cargo vessel  2 – Container vessel  3 – Tanker  4 – Sailing vessel  5 – Fishing vessel | -- |

The Bridgetender can be contacted, as follows:

1. Call sign: LP Bridge
2. VHF channel: VHF channel 12
3. Telephone: 1-999-23459876
4. Facsimile: 1-999-23459877
5. E-mail: [lpbridge@jussland.net](mailto:lpbridge@jussland.net)

| **S-101 DCEG** | **Inland ENC DCEG** | **S-127 DCEG** |
| --- | --- | --- |
| S-101 (27.5) Call sign  S-57 CALSGN  Free text | -- |  |
| S-101 (27.124) MMSI code  Free text | -- |  |
| S-101 (24.1) Communications channel  S-57 COMCHA | -- |  |
| S-101 (27.76) Contact Instructions  Free text | -- | S-127 (7.8) Contact Details |
| S-101 (27.168) Telecommunication identifier  Free text | -- |  |
| S-101 (27.169) Telecommunication service  1 – Voice  2 – Facsimile  3 – SMS  4 – Data  5 – Streamed data  6 – Telex  7 – Telegraph  8 – E-mail | -- |  |

Bridge operating signals can be seen in the table titled **Le Petomane Bridge—Signals**.

| **Le Petomane Bridge—Signals** | |
| --- | --- |
| **Signal** | **Meaning** |
| Two long blasts from vessel | Request bridge opening. |
| Two long blasts from bridge | Bridge will open. |
| Five short blasts from bridge | Bridge will not open. |
| Siren from bridge | When in closed position. Bridge will be opening. |
| When in open position. Bridge will be closing. |
| Fixed green light on bridge centerline and fendering system | Bridge in fully open or closed position. Vessel transit permitted. |
| Flashing red light on bridge centerline and fendering system | Bridge in opening or closing process. Vessel transit prohibited. |

| **S-101 DCEG** | **Inland ENC DCEG** | | **S-127 DCEG** |
| --- | --- | --- | --- |
| I could not easily existing Features/Attributes for Sound Signals. We may have to develop these in NIPWG.  Here are my suggestions: | | | |
| Feature: Sound Signal  Attribute: 1 – Short  2 – Long  3 – Prolonged  4 – Stroke  5 – Ringing | | Feature: Sound Device  Attribute: 1 – Whistle  2 – Horn  3 – Siren  4 – Bell  5 – Gong | |

**2.1.5 Madeleines Locks**

The Madeleines Locks, operated by the Jussland Port Authority, are located at the entrance to Baie de Madeleines, about 15 miles SW of the S extremity of Ile de Croissant. The facility consists of an inbound lock and an outbound lock, both with the following dimensions:

1. Length: 91.5m
2. Width: 15.2m
3. Depth: 5.0m

|  |  |  |
| --- | --- | --- |
| **S-101 DCEG** | **Inland ENC DCEG** | **S-127 DCEG** |
| S-101 (27.104) Horizontal clearance length | IENC (G.4.3)  HORLEN | I could not find any references to any type of clearance in the S-127 DCEG |
| S-101 (27.105) Horizontal clearance value  S-57 HORCLR | -- |
| S-101 (27.106) Horizontal clearance width | IENC (G.4.3)  HORWID |
| S-101 (27.107) Horizontal length  S-57 HORLEN | -- |
| S-101 (27.108) Horizontal width  S-57 HORWID | -- |

Based on lock clearances and layout, the following vessel limitations are in effect:

1. Maximum vessel length: 80.0m
2. Maximum vessel breadth: 13.5m

|  |  |  |
| --- | --- | --- |
| **S-101 DCEG** | **Inland ENC DCEG** | **S-127 DCEG** |
| S-101 (27.122) Maximum permitted draft | See U.1.1 (Maximum Permitted Ship Dimensions | 8.20 Vessel Measurements |
| -- | See U.1.2 (Maximum Permitted Ship Speed) | -- |
| Could not find any information on loa, beam, breadth, or vessel size (dwt, gross tons, etc.). | | -- |

The Madeleines Locks operate, as follows:

1. From 0000, 15 December to 2400, 31 December—Locks are closed to vessel traffic for major maintenance and repairs.
2. From 0000, 1 January to 2400, 15 January—Locks are closed for major maintenance and repairs.
3. From 0000, 16 January to 2400, 14 December—Locks are open to vessel traffic except the locks are closed for maintenance, as follows:
4. From 0000 to 2400 on the first Sunday in April.
5. From 0000 to 2400 on the first Sunday in July.
6. From 0000 to 2400 on the first Sunday in October.

**Note.—**All times are local time.

| **S-101 DCEG** | **Inland ENC DCEG** | **S-127 DCEG** |
| --- | --- | --- |
| S-101 (27.57) Category of schedule  1 – Normal operation  2 – Closure  3 – Unmanned operation | IENC (T.1.1)  Cattab  1 – Operational period  2 – Non-operational period | The following Features/Attributes concerning scheduling are located in the S-127 DCEG, as follows:   * 7.10 Non Standard Working Day * 7.11 Working Hours * 8.4 Fixed Date Range * 8.9 Notice Time * 8.12 Periodic Date Range * 8.15 Schedule by Day of Week * 8.20 Time Interval by Day of Week |
| S-101 (27.78) Date end  S-57 DATEND/PEREND  Conforms to ISO 8601:2004 | -- |
| S-101 (27.79) Date fixed  Free text | -- |
| S-101 (28.80) Date start  S-57 DATSTA/PERSTA  Conforms to ISO 8601:2004 | -- |
| S-101 (27.81) Date variable  Free text | -- | -- |
| S-101 (27.82) Day of week  1 – Monday  2 – Tuesday  3 – Wednesday  4 – Thursday  5 – Friday  6 – Saturday  7 – Sunday | -- | -- |
| S-101 (27.174) Time of day start  Conforms to ISO 8601 | -- | -- |
| S-101 (27.174) Time of day end  Conforms to ISO 8601 | -- | -- |
| S-101 (29.15) Periodic date range  Conforms to ISO 8601:2004 | -- | -- |
| S-101 (27.83) Day of week is range  Boolean value (true/false) | -- | -- |
| S-101 (29.18) Schedule by day of week | -- | -- |
| S-101 (29.32) Time interval by day of week | -- | -- |
| -- | IENC (R.2.2) Direction of impact  1 – Upstream  2 – Downstream | -- |
| -- | IENC (T.1.1) Ship type  1 – General cargo vessel  2 – Container vessel  3 – Tanker  4 – Sailing vessel  5 – Fishing vessel | -- |

Vessels must send their ETA to the Lockmaster 24 hours prior arrival. The Lockmaster can be contacted, as follows:

1. Call sign: Madeleines Locks
2. VHF: VHF channel 10
3. Telephone: 1-999-23456543
4. Facsimile: 1-999-23456544
5. E-mail: [madeleineslocks@jussland.net](mailto:madeleineslocks@jussland.net)

| **S-101 DCEG** | **Inland ENC DCEG** | **S-127 DCEG** |
| --- | --- | --- |
| S-101 (27.5) Call sign  S-57 CALSGN  Free text | -- |  |
| S-101 (27.124) MMSI code  Free text | -- |  |
| S-101 Communications channel  S-57 | -- |  |
| S-101 (27.76) Contact instructions  Free text | -- | S-127 (7.8) Contact Details |
| S-101 (27.168) Telecommunication identifier  Free text | -- |  |
| S-101 (27.189) Telecommunication service  1 – Voice  2 – Facsimile  3 – SMS  4 – Data  5 – Streamed data  6 – Telex  7 – Telegraph  8 – E-mail | -- |  |

Locks signals are displayed on the NE wall of the inbound lock and on the SW wall of the outbound lock. See the table titled **Madeleines Locks—Signals**.

| **Madeleines Locks—Signals** | | |
| --- | --- | --- |
| **Signal** | | **Meaning** |
| Three fixed red lights, horizontally disposed. |  | Lock gate closed. Vessels may not approach. |
| Three fixed yellow lights, horizontally disposed. |  | Lock filling. |
| Three flashing yellow lights, vertically disposed. |  | Lock gate opening. |
| Three fixed green lights, vertically disposed. |  | Lock gate open. Vessels may approach. |
| Three flashing red lights, horizontally disposed |  | Lock gate closing. |

| **S-101 DCEG** | **Inland ENC DCEG** | **S-127 DCEG** |
| --- | --- | --- |
| **Note.—**NIPWG should consider the table may be easier to add as an image (PIC???) instead of modeling as individual Features and Attributes. | | |
| S-101 (27.60) Category of traffic signal station  S-57 CATSIT  1 – Port control  2 – Port entry and departure  3 – International port traffic  4 – Berthing  5 – Dock  6 – Lock  7 – Flood barrage  8 – Bridge passage  9 – Dredging  10 – Traffic control light | S-57 CATSIT  1 – Port control  2 – Port entry and departure  3 – International port traffic  4 – Berthing  5 – Dock  6 – Lock  7 – Flood barrage  8 – Bridge passage  9 – Dredging  10 – Traffic control light | 5.7 Warning Signal Station  5.8 Signal Station Traffic |
| S-101 (27.72) Colour  S-57 COLOUR  1 – White  2 – Black  3 – Red  4 – Green  5 – Blue  6 – Yellow  7 – Grey  8 – Brown  9 – Amber  10 – Violet  11 – Orange  12 – Magenta  13 – Pink | S-101 (27.72) Colour  S-57 COLOUR  1 – White  3 – Red  4 – Green  6 – Yellow |  |
| S-101 Light characteristic  S-57 LITCHR  1 – Fixed  2 -- Flashing | IENC (N.1.1) S-101 Light characteristic  S-57 LITCHR  1 – Fixed  2 -- Flashing |  |
| S-101 (27.34) Category of light  S-57 CATLIT  19 – Horizontally disposed  20 – Vertically disposed  **Note.—**Other attributes are listed in the S-101 DCEG Section 27.34 |  |  |
| -- | IENC (R.2.2) Direction of impact  1 – Upstream  2 – Downstream  3 – Left bank  4 – Right bank |  |
| -- | IENC (T.1.1) Ship type  1 – General cargo vessel  2 – Container vessel  3 – Tanker  4 – Sailing vessel  5 – Fishing vessel |  |