**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 bridgeS-57 CATBRG1 – Fixed bridge2 – Opening bridge3 – Swing bridge4 – Lift bridge5 – Bascule bridge6 – Pontoon bridge7 – Drawbridge8 – Transporter bridge9 – Footbridge10 – Aqueduct11 – Viaduct12 – Suspension bridge | S-101 (27.8) Category of BridgeS-57 CATBRG1 – Fixed bridge2 – Opening bridge3 – Swing bridge4 – Lift bridge5 – Bascule bridge6 – Pontoon bridge7 – Retractable (draw) bridge8 – Transporter bridge9 – Footbridge/catwalk10 – Aqueduct11 – 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 Authority1 – Customs2 – Border control3 – Police4 – Port5 – Immigration6 – Health7 – Coast guard8 – Agricultural9 – Military10 – Private company11 – Maritime police12 – Environmental13 – Fishery14 – Finance15 – MaritimeAlso see S-127 (7.7) Authority |
|  |  |  |
|  |  |  |
| **Clearances** |
| S-101 (29.6) Horizontal clearance fixedS-57 HORCLR | IENC (G.1.1)S-101 (29.6) Horizontal clearance fixedS-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 fixedS-57 VERCLR | IENC (G.1.1)S-101 (28.185/28.6) Vertical clearance fixedS-57 VERCLR |
| S-101 (29.36) Vertical clearance closedS-57 VERCCL | IENC (G.1.4)S-101 (29.36) Vertical clearance closedS-57 VERCCL |
| S-101 (29.38) Vertical clearance openS-57 VERCOP | IENC (G.1.3)S-101 (29.38) Vertical clearance openS-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 schedule1 – Normal operation2 – Closure3 – 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 endS-57 DATEND/PERENDConforms to ISO 8601:2004 | --- |
| S-101 (27.79) Date fixedFree text | --- |
| S-101 (28.80) Date startS-57 DATSTA/PERSTAConforms to ISO 8601:2004 | --- |
| S-101 (27.81) Date variableFree text | --- | -- |
| S-101 (27.82) Day of week1 – Monday2 – Tuesday3 – Wednesday4 – Thursday5 – Friday6 – Saturday7 – Sunday | --- |
| S-101 (27.174) Time of day startConforms to ISO 8601 | --- |
| S-101 (27.174) Time of day endConforms to ISO 8601 | --- |
| S-101 (29.15) Periodic date rangeConforms to ISO 8601:2004 | --- |
| S-101 (27.83) Day of week is rangeBoolean 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 impact1 – Upstream2 – Downstream | -- |
| -- | IENC (T.1.1) Ship type1 – General cargo vessel2 – Container vessel3 – Tanker4 – Sailing vessel5 – 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

| **S-101 DCEG** | **Inland ENC DCEG** | **S-127 DCEG** |
| --- | --- | --- |
| S-101 (27.5) Call signS-57 CALSGNFree text | -- |  |
| S-101 (27.124) MMSI codeFree text | -- |  |
| S-101 (24.1) Communications channelS-57 COMCHA | -- |  |
| S-101 (27.76) Contact InstructionsFree text | -- | S-127 (7.8) Contact Details |
| S-101 (27.168) Telecommunication identifierFree text | -- |  |
| S-101 (27.169) Telecommunication service1 – Voice2 – Facsimile3 – SMS4 – Data5 – Streamed data6 – Telex7 – Telegraph8 – 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 SignalAttribute: 1 – Short 2 – Long 3 – Prolonged 4 – Stroke 5 – Ringing | Feature: Sound DeviceAttribute: 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 valueS-57 HORCLR | -- |
| S-101 (27.106) Horizontal clearance width | IENC (G.4.3)HORWID |
| S-101 (27.107) Horizontal lengthS-57 HORLEN | -- |
| S-101 (27.108) Horizontal widthS-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 schedule1 – Normal operation2 – Closure3 – Unmanned operation | IENC (T.1.1)Cattab1 – Operational period2 – 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 endS-57 DATEND/PERENDConforms to ISO 8601:2004 | -- |
| S-101 (27.79) Date fixedFree text | -- |
| S-101 (28.80) Date startS-57 DATSTA/PERSTAConforms to ISO 8601:2004 | -- |
| S-101 (27.81) Date variableFree text | -- | -- |
| S-101 (27.82) Day of week1 – Monday2 – Tuesday3 – Wednesday4 – Thursday5 – Friday6 – Saturday7 – Sunday | -- | -- |
| S-101 (27.174) Time of day startConforms to ISO 8601 | -- | -- |
| S-101 (27.174) Time of day endConforms to ISO 8601 | -- | -- |
| S-101 (29.15) Periodic date rangeConforms to ISO 8601:2004 | -- | -- |
| S-101 (27.83) Day of week is rangeBoolean 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 impact1 – Upstream2 – Downstream | -- |
| -- | IENC (T.1.1) Ship type1 – General cargo vessel2 – Container vessel3 – Tanker4 – Sailing vessel5 – 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

| **S-101 DCEG** | **Inland ENC DCEG** | **S-127 DCEG** |
| --- | --- | --- |
| S-101 (27.5) Call signS-57 CALSGNFree text | -- |  |
| S-101 (27.124) MMSI codeFree text | -- |  |
| S-101 Communications channelS-57  | -- |  |
| S-101 (27.76) Contact instructionsFree text | -- | S-127 (7.8) Contact Details |
| S-101 (27.168) Telecommunication identifierFree text | -- |  |
| S-101 (27.189) Telecommunication service1 – Voice2 – Facsimile3 – SMS4 – Data5 – Streamed data6 – Telex7 – Telegraph8 – 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 stationS-57 CATSIT1 – Port control2 – Port entry and departure3 – International port traffic4 – Berthing5 – Dock6 – Lock7 – Flood barrage8 – Bridge passage9 – Dredging10 – Traffic control light | S-57 CATSIT1 – Port control2 – Port entry and departure3 – International port traffic4 – Berthing5 – Dock6 – Lock7 – Flood barrage8 – Bridge passage9 – Dredging10 – Traffic control light | 5.7 Warning Signal Station5.8 Signal Station Traffic |
| S-101 (27.72) ColourS-57 COLOUR1 – White2 – Black3 – Red4 – Green5 – Blue6 – Yellow7 – Grey8 – Brown9 – Amber10 – Violet11 – Orange12 – Magenta13 – Pink | S-101 (27.72) ColourS-57 COLOUR1 – White3 – Red4 – Green6 – Yellow |  |
| S-101 Light characteristicS-57 LITCHR1 – Fixed2 -- Flashing | IENC (N.1.1) S-101 Light characteristicS-57 LITCHR1 – Fixed2 -- Flashing |  |
| S-101 (27.34) Category of lightS-57 CATLIT19 – Horizontally disposed20 – Vertically disposed**Note.—**Other attributes are listed in the S-101 DCEG Section 27.34 |  |  |
| -- | IENC (R.2.2) Direction of impact1 – Upstream2 – Downstream3 – Left bank4 – Right bank |  |
| -- | IENC (T.1.1) Ship type1 – General cargo vessel2 – Container vessel3 – Tanker4 – Sailing vessel5 – Fishing vessel |  |