

## ANNEX 11, APPENDIX 1 CONVOY FORMATION CODES

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<?xml version="1.0" encoding="UTF-8" standalone="no" ?>
<!DOCTYPE xml>
<xml>
  <formation ais_shiptype_liquid_cargo="99" ais_shiptype_dry_cargo="99" code="0"
un_shiptype_liquid_cargo="8000" un_shiptype_dry_cargo="8000" vessel_type="0"/>
    <formation ais_shiptype_liquid_cargo="80" ais_shiptype_dry_cargo="79" code="1"
un_shiptype_liquid_cargo="8310" un_shiptype_dry_cargo="8210" vessel_type="0">
      <barge layout_x="1" layout_y="0"/>
    </formation>
    <formation ais_shiptype_liquid_cargo="80" ais_shiptype_dry_cargo="79" code="2"
un_shiptype_liquid_cargo="8320" un_shiptype_dry_cargo="8220" vessel_type="0">
      <barge layout_x="1" layout_y="-0.5"/>
      <barge layout_x="1" layout_y="0.5"/>
    </formation>
    <formation ais_shiptype_liquid_cargo="80" ais_shiptype_dry_cargo="79" code="3"
un_shiptype_liquid_cargo="8320" un_shiptype_dry_cargo="8220" vessel_type="0">
      <barge layout_x="1" layout_y="-1"/>
      <barge layout_x="1" layout_y="0"/>
    </formation>
    <formation ais_shiptype_liquid_cargo="80" ais_shiptype_dry_cargo="79" code="4"
un_shiptype_liquid_cargo="8320" un_shiptype_dry_cargo="8220" vessel_type="0">
      <barge layout_x="1" layout_y="0"/>
      <barge layout_x="1" layout_y="1"/>
    </formation>
    <formation ais_shiptype_liquid_cargo="80" ais_shiptype_dry_cargo="79" code="5"
un_shiptype_liquid_cargo="8320" un_shiptype_dry_cargo="8220" vessel_type="0">
      <barge layout_x="1" layout_y="0"/>
      <barge layout_x="2" layout_y="0"/>
    </formation>
    <formation ais_shiptype_liquid_cargo="80" ais_shiptype_dry_cargo="79" code="6"
un_shiptype_liquid_cargo="8330" un_shiptype_dry_cargo="8230" vessel_type="0">
      <barge layout_x="1" layout_y="-0.5"/>
      <barge layout_x="1" layout_y="0.5"/>
      <barge layout_x="2" layout_y="0"/>
    </formation>
    <formation ais_shiptype_liquid_cargo="80" ais_shiptype_dry_cargo="79" code="7"
un_shiptype_liquid_cargo="8330" un_shiptype_dry_cargo="8230" vessel_type="0">
      <barge layout_x="1" layout_y="-0.5"/>
      <barge layout_x="1" layout_y="0.5"/>
      <barge layout_x="2" layout_y="0.5"/>
    </formation>
    <formation ais_shiptype_liquid_cargo="80" ais_shiptype_dry_cargo="79" code="8"
un_shiptype_liquid_cargo="8330" un_shiptype_dry_cargo="8230" vessel_type="0">
      <barge layout_x="1" layout_y="-0.5"/>
      <barge layout_x="1" layout_y="0.5"/>
      <barge layout_x="2" layout_y="-0.5"/>
    </formation>
    <formation ais_shiptype_liquid_cargo="80" ais_shiptype_dry_cargo="79" code="9"
un_shiptype_liquid_cargo="8330" un_shiptype_dry_cargo="8230" vessel_type="0">
      <barge layout_x="1" layout_y="0"/>
      <barge layout_x="1" layout_y="1"/>
      <barge layout_x="2" layout_y="0"/>
    </formation>
    <formation ais_shiptype_liquid_cargo="80" ais_shiptype_dry_cargo="79" code="10"
un_shiptype_liquid_cargo="8330" un_shiptype_dry_cargo="8230" vessel_type="0">
      <barge layout_x="1" layout_y="-1"/>
      <barge layout_x="1" layout_y="0"/>
      <barge layout_x="2" layout_y="0"/>
    </formation>
    <formation ais_shiptype_liquid_cargo="80" ais_shiptype_dry_cargo="79" code="11"
un_shiptype_liquid_cargo="8330" un_shiptype_dry_cargo="8230" vessel_type="0">
      <barge layout_x="1" layout_y="0"/>
      <barge layout_x="1.5" layout_y="-1"/>
    </formation>

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    <barge layout_x="2" layout_y="0" />
  </formation>
  <formation ais_shiptype_liquid_cargo="80" ais_shiptype_dry_cargo="79" code="12"
un_shiptype_liquid_cargo="8330" un_shiptype_dry_cargo="8230" vessel_type="0">
    <barge layout_x="1" layout_y="0" />
    <barge layout_x="1.5" layout_y="1" />
    <barge layout_x="2" layout_y="0" />
  </formation>
  <formation ais_shiptype_liquid_cargo="80" ais_shiptype_dry_cargo="79" code="13"
un_shiptype_liquid_cargo="8330" un_shiptype_dry_cargo="8230" vessel_type="0">
    <barge layout_x="1" layout_y="-1" />
    <barge layout_x="1" layout_y="0" />
    <barge layout_x="1" layout_y="1" />
  </formation>
  <formation ais_shiptype_liquid_cargo="80" ais_shiptype_dry_cargo="79" code="14"
un_shiptype_liquid_cargo="8330" un_shiptype_dry_cargo="8230" vessel_type="0">
    <barge layout_x="0" layout_y="0" />
    <barge layout_x="2" layout_y="0" />
    <barge layout_x="3" layout_y="0" />
  </formation>
  <formation ais_shiptype_liquid_cargo="80" ais_shiptype_dry_cargo="79" code="15"
un_shiptype_liquid_cargo="8330" un_shiptype_dry_cargo="8230" vessel_type="0">
    <barge layout_x="1" layout_y="0" />
    <barge layout_x="2" layout_y="-0.5" />
    <barge layout_x="2" layout_y="0.5" />
  </formation>
  <formation ais_shiptype_liquid_cargo="80" ais_shiptype_dry_cargo="79" code="16"
un_shiptype_liquid_cargo="8340" un_shiptype_dry_cargo="8240" vessel_type="0">
    <barge layout_x="1" layout_y="-0.5" />
    <barge layout_x="1" layout_y="0.5" />
    <barge layout_x="2" layout_y="-0.5" />
    <barge layout_x="2" layout_y="0.5" />
  </formation>
  <formation ais_shiptype_liquid_cargo="80" ais_shiptype_dry_cargo="79" code="17"
un_shiptype_liquid_cargo="8340" un_shiptype_dry_cargo="8240" vessel_type="0">
    <barge layout_x="1" layout_y="0" />
    <barge layout_x="1" layout_y="1" />
    <barge layout_x="2" layout_y="0" />
    <barge layout_x="2" layout_y="1" />
  </formation>
  <formation ais_shiptype_liquid_cargo="80" ais_shiptype_dry_cargo="79" code="18"
un_shiptype_liquid_cargo="8340" un_shiptype_dry_cargo="8240" vessel_type="0">
    <barge layout_x="1" layout_y="-1" />
    <barge layout_x="1" layout_y="0" />
    <barge layout_x="2" layout_y="-1" />
    <barge layout_x="2" layout_y="0" />
  </formation>
  <formation ais_shiptype_liquid_cargo="80" ais_shiptype_dry_cargo="79" code="19"
un_shiptype_liquid_cargo="8350" un_shiptype_dry_cargo="8250" vessel_type="0">
    <barge layout_x="1" layout_y="-1" />
    <barge layout_x="1" layout_y="0" />
    <barge layout_x="1" layout_y="1" />
    <barge layout_x="2" layout_y="-1" />
    <barge layout_x="2" layout_y="0" />
  </formation>
  <formation ais_shiptype_liquid_cargo="80" ais_shiptype_dry_cargo="79" code="20"
un_shiptype_liquid_cargo="8350" un_shiptype_dry_cargo="8250" vessel_type="0">
    <barge layout_x="1" layout_y="-1" />
    <barge layout_x="1" layout_y="0" />
    <barge layout_x="1" layout_y="1" />
    <barge layout_x="2" layout_y="0" />
    <barge layout_x="2" layout_y="1" />
  </formation>
  <formation ais_shiptype_liquid_cargo="80" ais_shiptype_dry_cargo="79" code="21"
un_shiptype_liquid_cargo="8340" un_shiptype_dry_cargo="8240" vessel_type="0">
    <barge layout_x="1" layout_y="-0.5" />
    <barge layout_x="1" layout_y="0.5" />
    <barge layout_x="2" layout_y="-0.5" />

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    <barge layout_x="2" layout_y="0.5" />
    <barge layout_x="3" layout_y="0.5" />
  </formation>
  <formation ais_shiptype_liquid_cargo="80" ais_shiptype_dry_cargo="79" code="22"
un_shiptype_liquid_cargo="8340" un_shiptype_dry_cargo="8240" vessel_type="0">
    <barge layout_x="1" layout_y="-0.5" />
    <barge layout_x="1" layout_y="0.5" />
    <barge layout_x="2" layout_y="-0.5" />
    <barge layout_x="2" layout_y="0.5" />
    <barge layout_x="3" layout_y="-0.5" />
  </formation>
  <formation ais_shiptype_liquid_cargo="80" ais_shiptype_dry_cargo="79" code="23"
un_shiptype_liquid_cargo="8340" un_shiptype_dry_cargo="8240" vessel_type="0">
    <barge layout_x="1" layout_y="-1" />
    <barge layout_x="1" layout_y="0" />
    <barge layout_x="2" layout_y="-1" />
    <barge layout_x="2" layout_y="0" />
    <barge layout_x="3" layout_y="0" />
  </formation>
  <formation ais_shiptype_liquid_cargo="80" ais_shiptype_dry_cargo="79" code="24"
un_shiptype_liquid_cargo="8340" un_shiptype_dry_cargo="8240" vessel_type="0">
    <barge layout_x="1" layout_y="0" />
    <barge layout_x="1" layout_y="1" />
    <barge layout_x="2" layout_y="0" />
    <barge layout_x="2" layout_y="1" />
    <barge layout_x="3" layout_y="0" />
  </formation>
  <formation ais_shiptype_liquid_cargo="80" ais_shiptype_dry_cargo="79" code="25"
un_shiptype_liquid_cargo="8340" un_shiptype_dry_cargo="8240" vessel_type="0">
    <barge layout_x="1" layout_y="0" />
    <barge layout_x="1.5" layout_y="1" />
    <barge layout_x="2" layout_y="0" />
    <barge layout_x="2.5" layout_y="1" />
    <barge layout_x="3" layout_y="0" />
  </formation>
  <formation ais_shiptype_liquid_cargo="80" ais_shiptype_dry_cargo="79" code="26"
un_shiptype_liquid_cargo="8340" un_shiptype_dry_cargo="8240" vessel_type="0">
    <barge layout_x="1" layout_y="0" />
    <barge layout_x="1.5" layout_y="-1" />
    <barge layout_x="2" layout_y="0" />
    <barge layout_x="2.5" layout_y="-1" />
    <barge layout_x="3" layout_y="0" />
  </formation>
  <formation ais_shiptype_liquid_cargo="80" ais_shiptype_dry_cargo="79" code="27"
un_shiptype_liquid_cargo="8340" un_shiptype_dry_cargo="8240" vessel_type="0">
    <barge layout_x="1" layout_y="-0.5" />
    <barge layout_x="1" layout_y="0.5" />
    <barge layout_x="2" layout_y="-0.5" />
    <barge layout_x="2" layout_y="0.5" />
    <barge layout_x="3" layout_y="0" />
  </formation>
  <formation ais_shiptype_liquid_cargo="80" ais_shiptype_dry_cargo="79" code="28"
un_shiptype_liquid_cargo="8340" un_shiptype_dry_cargo="8240" vessel_type="0">
    <barge layout_x="1" layout_y="0" />
    <barge layout_x="2" layout_y="-0.5" />
    <barge layout_x="2" layout_y="0.5" />
    <barge layout_x="3" layout_y="-0.5" />
    <barge layout_x="3" layout_y="0.5" />
  </formation>
  <formation ais_shiptype_liquid_cargo="80" ais_shiptype_dry_cargo="79" code="29"
un_shiptype_liquid_cargo="8340" un_shiptype_dry_cargo="8240" vessel_type="0">
    <barge layout_x="0" layout_y="-1" />
    <barge layout_x="0" layout_y="1" />
    <barge layout_x="1" layout_y="-1" />
    <barge layout_x="1" layout_y="0" />
    <barge layout_x="1" layout_y="1" />
  </formation>

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    <formation ais_shiptype_liquid_cargo="80" ais_shiptype_dry_cargo="79" code="30"
un_shiptype_liquid_cargo="8360" un_shiptype_dry_cargo="8260" vessel_type="0">
    <barge layout_x="1" layout_y="-1"/>
    <barge layout_x="1" layout_y="0"/>
    <barge layout_x="1" layout_y="1"/>
    <barge layout_x="2" layout_y="-1"/>
    <barge layout_x="2" layout_y="0"/>
    <barge layout_x="2" layout_y="1"/>
</formation>
    <formation ais_shiptype_liquid_cargo="80" ais_shiptype_dry_cargo="79" code="31"
un_shiptype_liquid_cargo="8360" un_shiptype_dry_cargo="8260" vessel_type="0">
    <barge layout_x="1" layout_y="-0.5"/>
    <barge layout_x="1" layout_y="0.5"/>
    <barge layout_x="2" layout_y="-0.5"/>
    <barge layout_x="2" layout_y="0.5"/>
    <barge layout_x="3" layout_y="-0.5"/>
    <barge layout_x="3" layout_y="0.5"/>
</formation>
    <formation ais_shiptype_liquid_cargo="80" ais_shiptype_dry_cargo="79" code="32"
un_shiptype_liquid_cargo="8370" un_shiptype_dry_cargo="8270" vessel_type="0">
    <barge layout_x="1" layout_y="0"/>
    <barge layout_x="1" layout_y="1"/>
    <barge layout_x="2" layout_y="0"/>
    <barge layout_x="2" layout_y="1"/>
    <barge layout_x="3" layout_y="0"/>
    <barge layout_x="3" layout_y="1"/>
    <barge layout_x="4" layout_y="0"/>
</formation>
    <formation ais_shiptype_liquid_cargo="80" ais_shiptype_dry_cargo="79" code="33"
un_shiptype_liquid_cargo="8370" un_shiptype_dry_cargo="8270" vessel_type="0">
    <barge layout_x="1" layout_y="-1"/>
    <barge layout_x="1" layout_y="0"/>
    <barge layout_x="2" layout_y="-1"/>
    <barge layout_x="2" layout_y="0"/>
    <barge layout_x="3" layout_y="-1"/>
    <barge layout_x="3" layout_y="0"/>
    <barge layout_x="4" layout_y="0"/>
</formation>
    <formation ais_shiptype_liquid_cargo="80" ais_shiptype_dry_cargo="79" code="34"
un_shiptype_liquid_cargo="8370" un_shiptype_dry_cargo="8270" vessel_type="0">
    <barge layout_x="1" layout_y="0"/>
    <barge layout_x="2" layout_y="-1"/>
    <barge layout_x="2" layout_y="0"/>
    <barge layout_x="2" layout_y="1"/>
    <barge layout_x="3" layout_y="-1"/>
    <barge layout_x="3" layout_y="0"/>
    <barge layout_x="3" layout_y="1"/>
</formation>
    <formation ais_shiptype_liquid_cargo="80" ais_shiptype_dry_cargo="79" code="35"
un_shiptype_liquid_cargo="8370" un_shiptype_dry_cargo="8270" vessel_type="0">
    <barge layout_x="1" layout_y="0"/>
    <barge layout_x="2" layout_y="-0.5"/>
    <barge layout_x="2" layout_y="0.5"/>
    <barge layout_x="3" layout_y="-0.5"/>
    <barge layout_x="3" layout_y="0.5"/>
    <barge layout_x="4" layout_y="-0.5"/>
    <barge layout_x="4" layout_y="0.5"/>
</formation>
    <formation ais_shiptype_liquid_cargo="80" ais_shiptype_dry_cargo="79" code="36"
un_shiptype_liquid_cargo="8370" un_shiptype_dry_cargo="8270" vessel_type="0">
    <barge layout_x="1" layout_y="-0.5"/>
    <barge layout_x="1" layout_y="0.5"/>
    <barge layout_x="2" layout_y="-0.5"/>
    <barge layout_x="2" layout_y="0.5"/>
    <barge layout_x="3" layout_y="-0.5"/>
    <barge layout_x="3" layout_y="0.5"/>
    <barge layout_x="4" layout_y="-0.5"/>
</formation>

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    <formation ais_shiptype_liquid_cargo="80" ais_shiptype_dry_cargo="79" code="37"
un_shiptype_liquid_cargo="8370" un_shiptype_dry_cargo="8270" vessel_type="0">
    <barge layout_x="1" layout_y="-0.5"/>
    <barge layout_x="1" layout_y="0.5"/>
    <barge layout_x="2" layout_y="-0.5"/>
    <barge layout_x="2" layout_y="0.5"/>
    <barge layout_x="3" layout_y="-0.5"/>
    <barge layout_x="3" layout_y="0.5"/>
    <barge layout_x="4" layout_y="0.5"/>
</formation>
    <formation ais_shiptype_liquid_cargo="80" ais_shiptype_dry_cargo="79" code="38"
un_shiptype_liquid_cargo="8370" un_shiptype_dry_cargo="8270" vessel_type="0">
    <barge layout_x="1" layout_y="-1"/>
    <barge layout_x="1" layout_y="0"/>
    <barge layout_x="1" layout_y="1"/>
    <barge layout_x="2" layout_y="-1"/>
    <barge layout_x="2" layout_y="0"/>
    <barge layout_x="2" layout_y="1"/>
    <barge layout_x="3" layout_y="0"/>
</formation>
    <formation ais_shiptype_liquid_cargo="80" ais_shiptype_dry_cargo="79" code="39"
un_shiptype_liquid_cargo="8380" un_shiptype_dry_cargo="8280" vessel_type="0">
    <barge layout_x="1" layout_y="-0.5"/>
    <barge layout_x="1" layout_y="0.5"/>
    <barge layout_x="2" layout_y="-0.5"/>
    <barge layout_x="2" layout_y="0.5"/>
    <barge layout_x="3" layout_y="-0.5"/>
    <barge layout_x="3" layout_y="0.5"/>
    <barge layout_x="4" layout_y="-0.5"/>
    <barge layout_x="4" layout_y="0.5"/>
</formation>
    <formation ais_shiptype_liquid_cargo="80" ais_shiptype_dry_cargo="79" code="40"
un_shiptype_liquid_cargo="8380" un_shiptype_dry_cargo="8280" vessel_type="0">
    <barge layout_x="1" layout_y="-1"/>
    <barge layout_x="1" layout_y="0"/>
    <barge layout_x="1" layout_y="1"/>
    <barge layout_x="2" layout_y="-1"/>
    <barge layout_x="2" layout_y="0"/>
    <barge layout_x="2" layout_y="1"/>
    <barge layout_x="3" layout_y="-1"/>
    <barge layout_x="3" layout_y="0"/>
</formation>
    <formation ais_shiptype_liquid_cargo="80" ais_shiptype_dry_cargo="79" code="41"
un_shiptype_liquid_cargo="8380" un_shiptype_dry_cargo="8280" vessel_type="0">
    <barge layout_x="1" layout_y="-1"/>
    <barge layout_x="1" layout_y="0"/>
    <barge layout_x="1" layout_y="1"/>
    <barge layout_x="2" layout_y="-1"/>
    <barge layout_x="2" layout_y="0"/>
    <barge layout_x="2" layout_y="1"/>
    <barge layout_x="3" layout_y="0"/>
    <barge layout_x="3" layout_y="1"/>
</formation>
    <formation ais_shiptype_liquid_cargo="80" ais_shiptype_dry_cargo="79" code="42"
un_shiptype_liquid_cargo="8380" un_shiptype_dry_cargo="8280" vessel_type="0">
    <barge layout_x="1" layout_y="-1.5"/>
    <barge layout_x="1" layout_y="-0.5"/>
    <barge layout_x="1" layout_y="0.5"/>
    <barge layout_x="1" layout_y="1.5"/>
    <barge layout_x="2" layout_y="-1.5"/>
    <barge layout_x="2" layout_y="-0.5"/>
    <barge layout_x="2" layout_y="0.5"/>
    <barge layout_x="2" layout_y="1.5"/>
</formation>
    <formation ais_shiptype_liquid_cargo="80" ais_shiptype_dry_cargo="79" code="43"
un_shiptype_liquid_cargo="8390" un_shiptype_dry_cargo="8290" vessel_type="0">
    <barge layout_x="1" layout_y="-1"/>
    <barge layout_x="1" layout_y="0"/>

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    <barge layout_x="1" layout_y="1" />
    <barge layout_x="2" layout_y="-1" />
    <barge layout_x="2" layout_y="0" />
    <barge layout_x="2" layout_y="1" />
    <barge layout_x="3" layout_y="-1" />
    <barge layout_x="3" layout_y="0" />
    <barge layout_x="3" layout_y="1" />
  </formation>
  <formation ais_shiptype_liquid_cargo="80" ais_shiptype_dry_cargo="79" code="44"
un_shiptype_liquid_cargo="8390" un_shiptype_dry_cargo="8290" vessel_type="0">
    <barge layout_x="1" layout_y="-1.5" />
    <barge layout_x="1" layout_y="-0.5" />
    <barge layout_x="1" layout_y="0.5" />
    <barge layout_x="1" layout_y="1.5" />
    <barge layout_x="2" layout_y="-1.5" />
    <barge layout_x="2" layout_y="-0.5" />
    <barge layout_x="2" layout_y="0.5" />
    <barge layout_x="2" layout_y="1.5" />
    <barge layout_x="3" layout_y="-0.5" />
  </formation>
  <formation ais_shiptype_liquid_cargo="80" ais_shiptype_dry_cargo="79" code="45"
un_shiptype_liquid_cargo="8390" un_shiptype_dry_cargo="8290" vessel_type="0">
    <barge layout_x="1" layout_y="-1.5" />
    <barge layout_x="1" layout_y="-0.5" />
    <barge layout_x="1" layout_y="0.5" />
    <barge layout_x="1" layout_y="1.5" />
    <barge layout_x="2" layout_y="-1.5" />
    <barge layout_x="2" layout_y="-0.5" />
    <barge layout_x="2" layout_y="0.5" />
    <barge layout_x="2" layout_y="1.5" />
    <barge layout_x="3" layout_y="0.5" />
  </formation>
  <formation ais_shiptype_liquid_cargo="80" ais_shiptype_dry_cargo="79" code="46"
un_shiptype_liquid_cargo="8390" un_shiptype_dry_cargo="8290" vessel_type="0">
    <barge layout_x="1" layout_y="-1.5" />
    <barge layout_x="1" layout_y="-0.5" />
    <barge layout_x="1" layout_y="0.5" />
    <barge layout_x="1" layout_y="1.5" />
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    <barge layout_x="2" layout_y="-0.5" />
    <barge layout_x="2" layout_y="0.5" />
    <barge layout_x="2" layout_y="1.5" />
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    <barge layout_x="3" layout_y="0.5" />
  </formation>
<!--
  <formation ais_shiptype_liquid_cargo="80" ais_shiptype_dry_cargo="79" code="163"
un_shiptype_liquid_cargo="8390" un_shiptype_dry_cargo="8290" vessel_type="0">
    <barge layout_x="1" layout_y="-1.5" />
    <barge layout_x="1" layout_y="-0.5" />
    <barge layout_x="1" layout_y="0.5" />
    <barge layout_x="1" layout_y="1.5" />
    <barge layout_x="2" layout_y="-1.5" />
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    <barge layout_x="3" layout_y="0.5" />
    <barge layout_x="3" layout_y="1.5" />
  </formation>
  <formation ais_shiptype_liquid_cargo="80" ais_shiptype_dry_cargo="79" code="164"
un_shiptype_liquid_cargo="8390" un_shiptype_dry_cargo="8290" vessel_type="0">
    <barge layout_x="1" layout_y="-1.5" />
    <barge layout_x="1" layout_y="-0.5" />
    <barge layout_x="1" layout_y="0.5" />
    <barge layout_x="1" layout_y="1.5" />
    <barge layout_x="2" layout_y="-1.5" />

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    <barge layout_x="2" layout_y="-0.5" />
    <barge layout_x="2" layout_y="0.5" />
    <barge layout_x="2" layout_y="1.5" />
    <barge layout_x="3" layout_y="-1.5" />
    <barge layout_x="3" layout_y="-0.5" />
    <barge layout_x="3" layout_y="0.5" />
  </formation>
  <formation ais_shiptype_liquid_cargo="80" ais_shiptype_dry_cargo="79" code="165"
un_shiptype_liquid_cargo="8390" un_shiptype_dry_cargo="8290" vessel_type="0">
    <barge layout_x="1" layout_y="-0.5" />
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    <barge layout_x="1" layout_y="1.5" />
    <barge layout_x="2" layout_y="-1.5" />
    <barge layout_x="2" layout_y="-0.5" />
    <barge layout_x="2" layout_y="0.5" />
    <barge layout_x="2" layout_y="1.5" />
    <barge layout_x="3" layout_y="-1.5" />
    <barge layout_x="3" layout_y="-0.5" />
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    <barge layout_x="3" layout_y="1.5" />
  </formation>
  <formation ais_shiptype_liquid_cargo="80" ais_shiptype_dry_cargo="79" code="166"
un_shiptype_liquid_cargo="8390" un_shiptype_dry_cargo="8290" vessel_type="0">
    <barge layout_x="1" layout_y="-1.5" />
    <barge layout_x="1" layout_y="-0.5" />
    <barge layout_x="1" layout_y="0.5" />
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    <barge layout_x="2" layout_y="-0.5" />
    <barge layout_x="2" layout_y="0.5" />
    <barge layout_x="2" layout_y="1.5" />
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    <barge layout_x="3" layout_y="-0.5" />
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  </formation>
  <formation ais_shiptype_liquid_cargo="80" ais_shiptype_dry_cargo="79" code="167"
un_shiptype_liquid_cargo="8390" un_shiptype_dry_cargo="8290" vessel_type="0">
    <barge layout_x="1" layout_y="-1.5" />
    <barge layout_x="1" layout_y="-0.5" />
    <barge layout_x="1" layout_y="0.5" />
    <barge layout_x="1" layout_y="1.5" />
    <barge layout_x="2" layout_y="-1.5" />
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    <barge layout_x="2" layout_y="1.5" />
    <barge layout_x="3" layout_y="-1.5" />
    <barge layout_x="3" layout_y="-0.5" />
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    <barge layout_x="3" layout_y="1.5" />
  </formation>
  <formation ais_shiptype_liquid_cargo="80" ais_shiptype_dry_cargo="79" code="168"
un_shiptype_liquid_cargo="8390" un_shiptype_dry_cargo="8290" vessel_type="0">
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    <barge layout_x="1" layout_y="2" />
    <barge layout_x="2" layout_y="-2" />
    <barge layout_x="2" layout_y="-1" />
    <barge layout_x="2" layout_y="0" />
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    <barge layout_x="2" layout_y="2" />
    <barge layout_x="3" layout_y="-1" />
    <barge layout_x="3" layout_y="0" />
  </formation>
  <formation ais_shiptype_liquid_cargo="80" ais_shiptype_dry_cargo="79" code="169"
un_shiptype_liquid_cargo="8390" un_shiptype_dry_cargo="8290" vessel_type="0">
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<barge layout_x="1" layout_y="-1"/>
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<barge layout_x="1" layout_y="1"/>
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<barge layout_x="2" layout_y="-2"/>
<barge layout_x="2" layout_y="-1"/>
<barge layout_x="2" layout_y="0"/>
<barge layout_x="2" layout_y="1"/>
<barge layout_x="2" layout_y="2"/>
<barge layout_x="3" layout_y="0"/>
<barge layout_x="3" layout_y="1"/>
</formation>
<formation ais_shiptype_liquid_cargo="80" ais_shiptype_dry_cargo="79" code="170"
un_shiptype_liquid_cargo="8390" un_shiptype_dry_cargo="8290" vessel_type="0">
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  <barge layout_x="1" layout_y="-1"/>
  <barge layout_x="1" layout_y="0"/>
  <barge layout_x="1" layout_y="1"/>
  <barge layout_x="1" layout_y="2"/>
  <barge layout_x="2" layout_y="-2"/>
  <barge layout_x="2" layout_y="-1"/>
  <barge layout_x="2" layout_y="0"/>
  <barge layout_x="2" layout_y="1"/>
  <barge layout_x="2" layout_y="2"/>
  <barge layout_x="3" layout_y="-1"/>
  <barge layout_x="3" layout_y="0"/>
  <barge layout_x="3" layout_y="1"/>
</formation>
<formation ais_shiptype_liquid_cargo="80" ais_shiptype_dry_cargo="79" code="171"
un_shiptype_liquid_cargo="8390" un_shiptype_dry_cargo="8290" vessel_type="0">
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  <barge layout_x="1" layout_y="-0.5"/>
  <barge layout_x="1" layout_y="0.5"/>
  <barge layout_x="1" layout_y="1.5"/>
  <barge layout_x="2" layout_y="-1.5"/>
  <barge layout_x="2" layout_y="-0.5"/>
  <barge layout_x="2" layout_y="0.5"/>
  <barge layout_x="2" layout_y="1.5"/>
  <barge layout_x="3" layout_y="-1.5"/>
  <barge layout_x="3" layout_y="-0.5"/>
  <barge layout_x="3" layout_y="0.5"/>
  <barge layout_x="3" layout_y="1.5"/>
  <barge layout_x="4" layout_y="-0.5"/>
</formation>
<formation ais_shiptype_liquid_cargo="80" ais_shiptype_dry_cargo="79" code="172"
un_shiptype_liquid_cargo="8390" un_shiptype_dry_cargo="8290" vessel_type="0">
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  <barge layout_x="1" layout_y="-0.5"/>
  <barge layout_x="1" layout_y="0.5"/>
  <barge layout_x="1" layout_y="1.5"/>
  <barge layout_x="2" layout_y="-1.5"/>
  <barge layout_x="2" layout_y="-0.5"/>
  <barge layout_x="2" layout_y="0.5"/>
  <barge layout_x="2" layout_y="1.5"/>
  <barge layout_x="3" layout_y="-1.5"/>
  <barge layout_x="3" layout_y="-0.5"/>
  <barge layout_x="3" layout_y="0.5"/>
  <barge layout_x="3" layout_y="1.5"/>
  <barge layout_x="4" layout_y="0.5"/>
</formation>
<formation ais_shiptype_liquid_cargo="80" ais_shiptype_dry_cargo="79" code="173"
un_shiptype_liquid_cargo="8390" un_shiptype_dry_cargo="8290" vessel_type="0">
  <barge layout_x="1" layout_y="-1.5"/>
  <barge layout_x="1" layout_y="-0.5"/>
  <barge layout_x="1" layout_y="0.5"/>
  <barge layout_x="1" layout_y="1.5"/>
  <barge layout_x="2" layout_y="-1.5"/>
  <barge layout_x="2" layout_y="-0.5"/>

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    <barge layout_x="2" layout_y="0.5" />
    <barge layout_x="2" layout_y="1.5" />
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    <barge layout_x="3" layout_y="-0.5" />
    <barge layout_x="3" layout_y="0.5" />
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    <barge layout_x="4" layout_y="0.5" />
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un_shiptype_liquid_cargo="8100" un_shiptype_dry_cargo="8090" vessel_type="1">
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</formation>
<formation ais_shiptype_liquid_cargo="89" ais_shiptype_dry_cargo="79" code="102"
un_shiptype_liquid_cargo="8080" un_shiptype_dry_cargo="8070" vessel_type="1">
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</formation>
<formation ais_shiptype_liquid_cargo="89" ais_shiptype_dry_cargo="79" code="103"
un_shiptype_liquid_cargo="8080" un_shiptype_dry_cargo="8070" vessel_type="1">
  <barge layout_x="0" layout_y="1" />
</formation>
<formation ais_shiptype_liquid_cargo="89" ais_shiptype_dry_cargo="79" code="104"
un_shiptype_liquid_cargo="8080" un_shiptype_dry_cargo="8070" vessel_type="1">
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</formation>
<formation ais_shiptype_liquid_cargo="89" ais_shiptype_dry_cargo="79" code="105"
un_shiptype_liquid_cargo="8080" un_shiptype_dry_cargo="8070" vessel_type="1">
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</formation>
<formation ais_shiptype_liquid_cargo="80" ais_shiptype_dry_cargo="79" code="106"
un_shiptype_liquid_cargo="8100" un_shiptype_dry_cargo="8090" vessel_type="2">
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</formation>
<formation ais_shiptype_liquid_cargo="80" ais_shiptype_dry_cargo="79" code="107"
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</formation>
<formation ais_shiptype_liquid_cargo="89" ais_shiptype_dry_cargo="79" code="108"
un_shiptype_liquid_cargo="8100" un_shiptype_dry_cargo="8090" vessel_type="1">
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  <barge layout_x="1" layout_y="0.5" />
</formation>
<formation ais_shiptype_liquid_cargo="89" ais_shiptype_dry_cargo="79" code="109"
un_shiptype_liquid_cargo="8100" un_shiptype_dry_cargo="8090" vessel_type="1">
  <barge layout_x="0" layout_y="-1" />
  <barge layout_x="1" layout_y="0" />
</formation>
<formation ais_shiptype_liquid_cargo="89" ais_shiptype_dry_cargo="79" code="110"
un_shiptype_liquid_cargo="8100" un_shiptype_dry_cargo="8090" vessel_type="1">
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  <barge layout_x="1" layout_y="0" />
</formation>
<formation ais_shiptype_liquid_cargo="89" ais_shiptype_dry_cargo="79" code="111"
un_shiptype_liquid_cargo="8080" un_shiptype_dry_cargo="8070" vessel_type="1">
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  <barge layout_x="0" layout_y="1" />
</formation>
<formation ais_shiptype_liquid_cargo="89" ais_shiptype_dry_cargo="79" code="112"
un_shiptype_liquid_cargo="8080" un_shiptype_dry_cargo="8070" vessel_type="1">
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  <barge layout_x="0.5" layout_y="1" />
</formation>
<formation ais_shiptype_liquid_cargo="89" ais_shiptype_dry_cargo="79" code="113"
un_shiptype_liquid_cargo="8080" un_shiptype_dry_cargo="8070" vessel_type="1">
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</formation>

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<formation ais_shiptype_liquid_cargo="89" ais_shiptype_dry_cargo="79" code="114"
un_shiptype_liquid_cargo="8080" un_shiptype_dry_cargo="8070" vessel_type="1">
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un_shiptype_liquid_cargo="8100" un_shiptype_dry_cargo="8090" vessel_type="1">
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un_shiptype_liquid_cargo="8100" un_shiptype_dry_cargo="8090" vessel_type="1">
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  <barge layout_x="1" layout_y="0"/>
</formation>
<formation ais_shiptype_liquid_cargo="89" ais_shiptype_dry_cargo="79" code="117"
un_shiptype_liquid_cargo="8100" un_shiptype_dry_cargo="8090" vessel_type="2">
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</formation>
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un_shiptype_liquid_cargo="8100" un_shiptype_dry_cargo="8090" vessel_type="1">
  <barge layout_x="1" layout_y="0"/>
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</formation>
<formation ais_shiptype_liquid_cargo="89" ais_shiptype_dry_cargo="79" code="119"
un_shiptype_liquid_cargo="8100" un_shiptype_dry_cargo="8090" vessel_type="1">
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  <barge layout_x="1" layout_y="0"/>
  <barge layout_x="1" layout_y="1"/>
</formation>
<formation ais_shiptype_liquid_cargo="89" ais_shiptype_dry_cargo="79" code="120"
un_shiptype_liquid_cargo="8100" un_shiptype_dry_cargo="8090" vessel_type="1">
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un_shiptype_liquid_cargo="8100" un_shiptype_dry_cargo="8090" vessel_type="1">
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</formation>
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  <barge layout_x="1" layout_y="-0.5"/>
  <barge layout_x="1" layout_y="0.5"/>
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</formation>
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<formation ais_shiptype_liquid_cargo="89" ais_shiptype_dry_cargo="79" code="126"
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  <barge layout_x="2" layout_y="-0.5"/>
</formation>
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  <barge layout_x="1" layout_y="0"/>
  <barge layout_x="1.5" layout_y="-1"/>
  <barge layout_x="2" layout_y="0"/>
</formation>
<formation ais_shiptype_liquid_cargo="89" ais_shiptype_dry_cargo="79" code="128"
un_shiptype_liquid_cargo="8100" un_shiptype_dry_cargo="8090" vessel_type="1">
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  <barge layout_x="2" layout_y="0"/>
</formation>
<formation ais_shiptype_liquid_cargo="89" ais_shiptype_dry_cargo="79" code="129"
un_shiptype_liquid_cargo="8100" un_shiptype_dry_cargo="8090" vessel_type="1">
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</formation>
<formation ais_shiptype_liquid_cargo="89" ais_shiptype_dry_cargo="79" code="130"
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un_shiptype_liquid_cargo="8100" un_shiptype_dry_cargo="8090" vessel_type="1">
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  <barge layout_x="1" layout_y="0"/>
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  <barge layout_x="0" layout_y="1"/>
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  <barge layout_x="1" layout_y="1"/>
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un_shiptype_liquid_cargo="8100" un_shiptype_dry_cargo="8090" vessel_type="1">
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  <barge layout_x="1" layout_y="-1"/>
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</formation>
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  <barge layout_x="0" layout_y="1"/>
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</formation>
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  <barge layout_x="1" layout_y="0.5"/>
  <barge layout_x="2" layout_y="-0.5"/>
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</formation>
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  <barge layout_x="1" layout_y="0"/>
  <barge layout_x="1.5" layout_y="1"/>
  <barge layout_x="2" layout_y="0"/>
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</formation>
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  <barge layout_x="2" layout_y="0"/>
  <barge layout_x="2.5" layout_y="-1"/>
</formation>
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  <barge layout_x="1" layout_y="0"/>
  <barge layout_x="1" layout_y="1"/>
</formation>
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  <barge layout_x="2" layout_y="0.5"/>
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</formation>
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  <barge layout_x="1" layout_y="0.5"/>
  <barge layout_x="2" layout_y="-0.5"/>
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</formation>
</xml>
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