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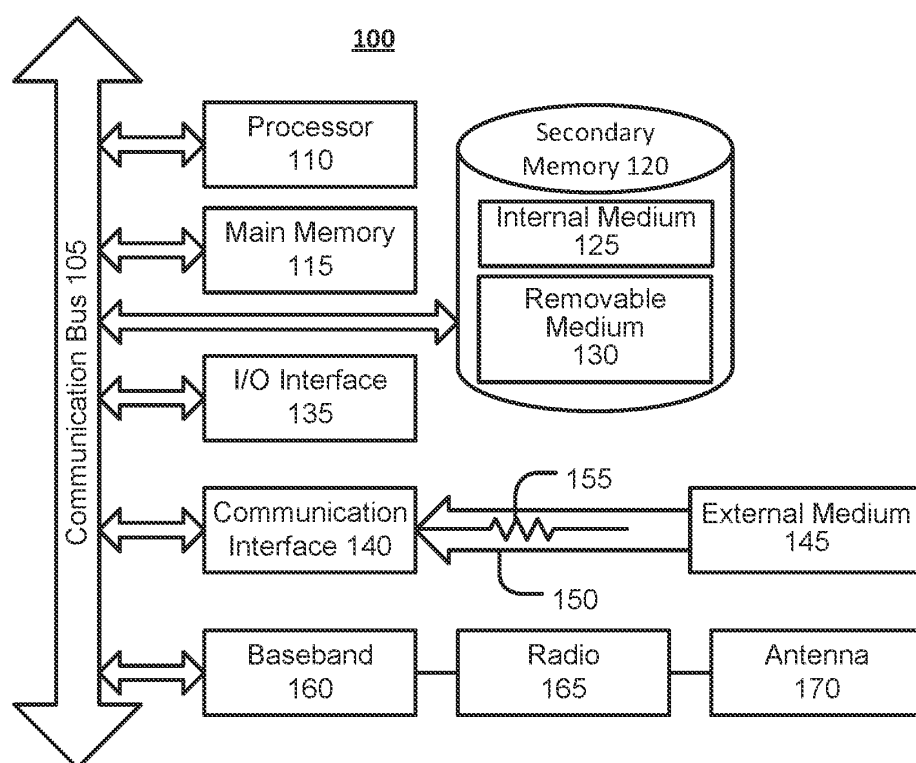


FIG. 1

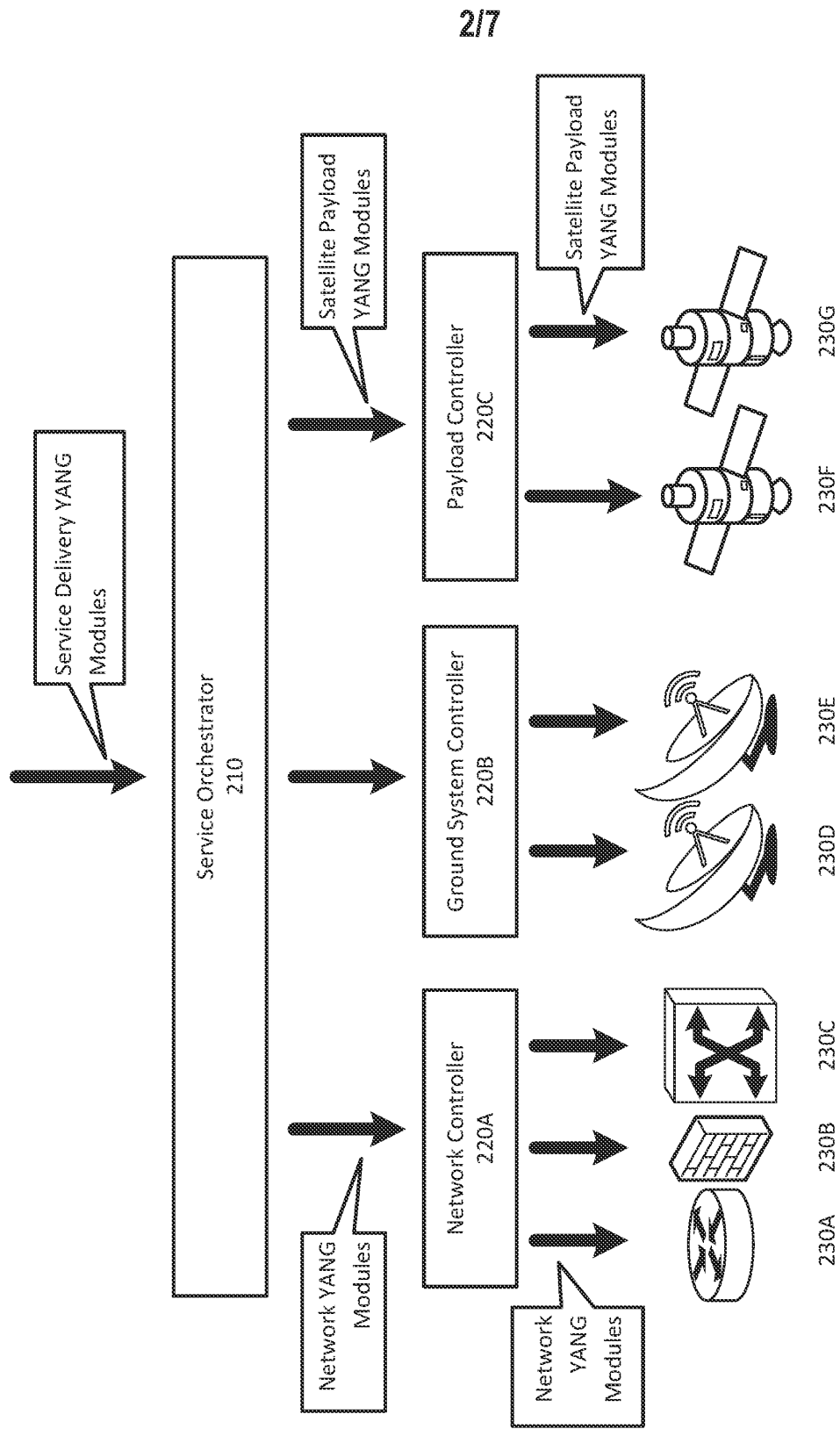


FIG. 2

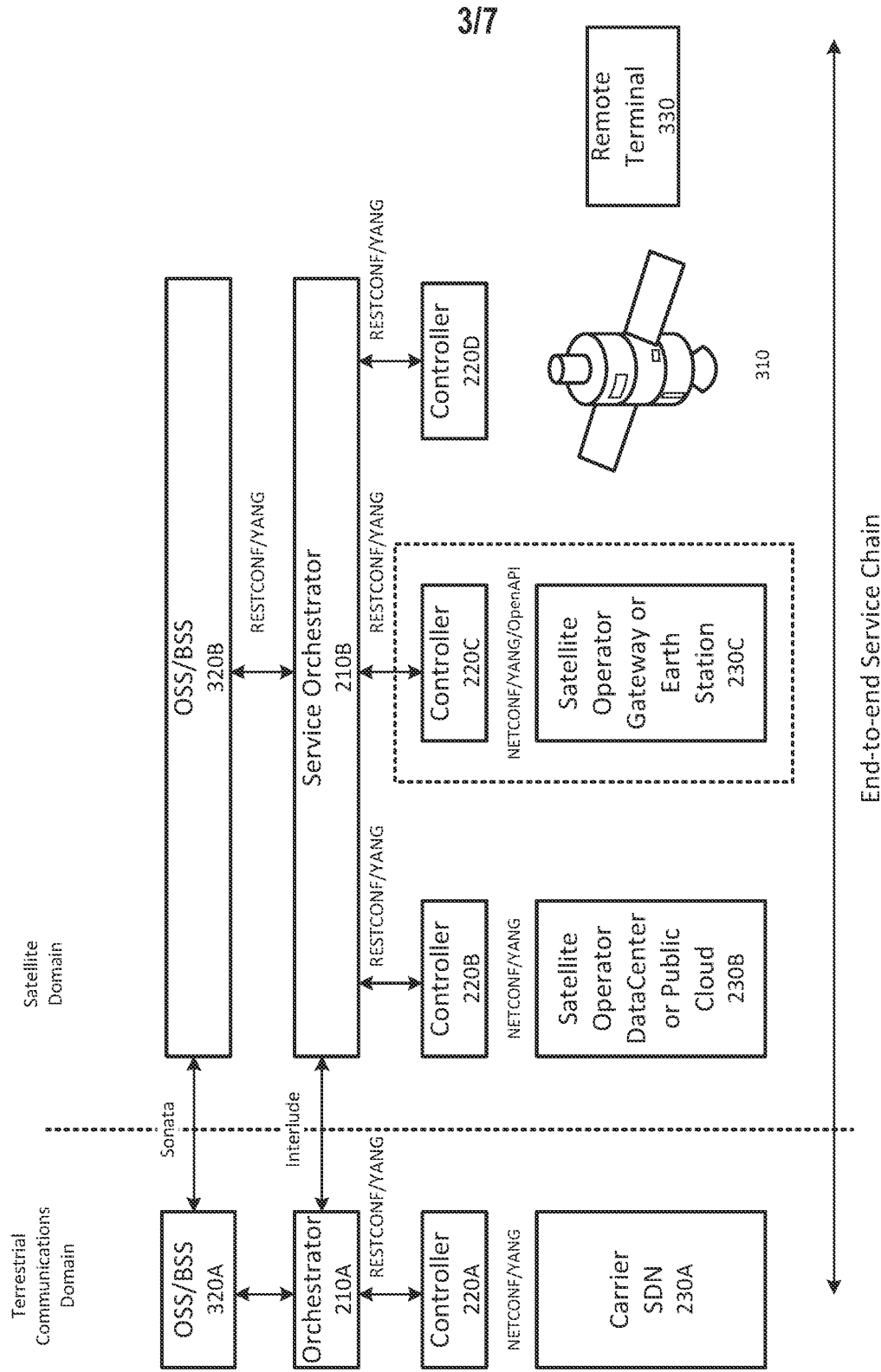
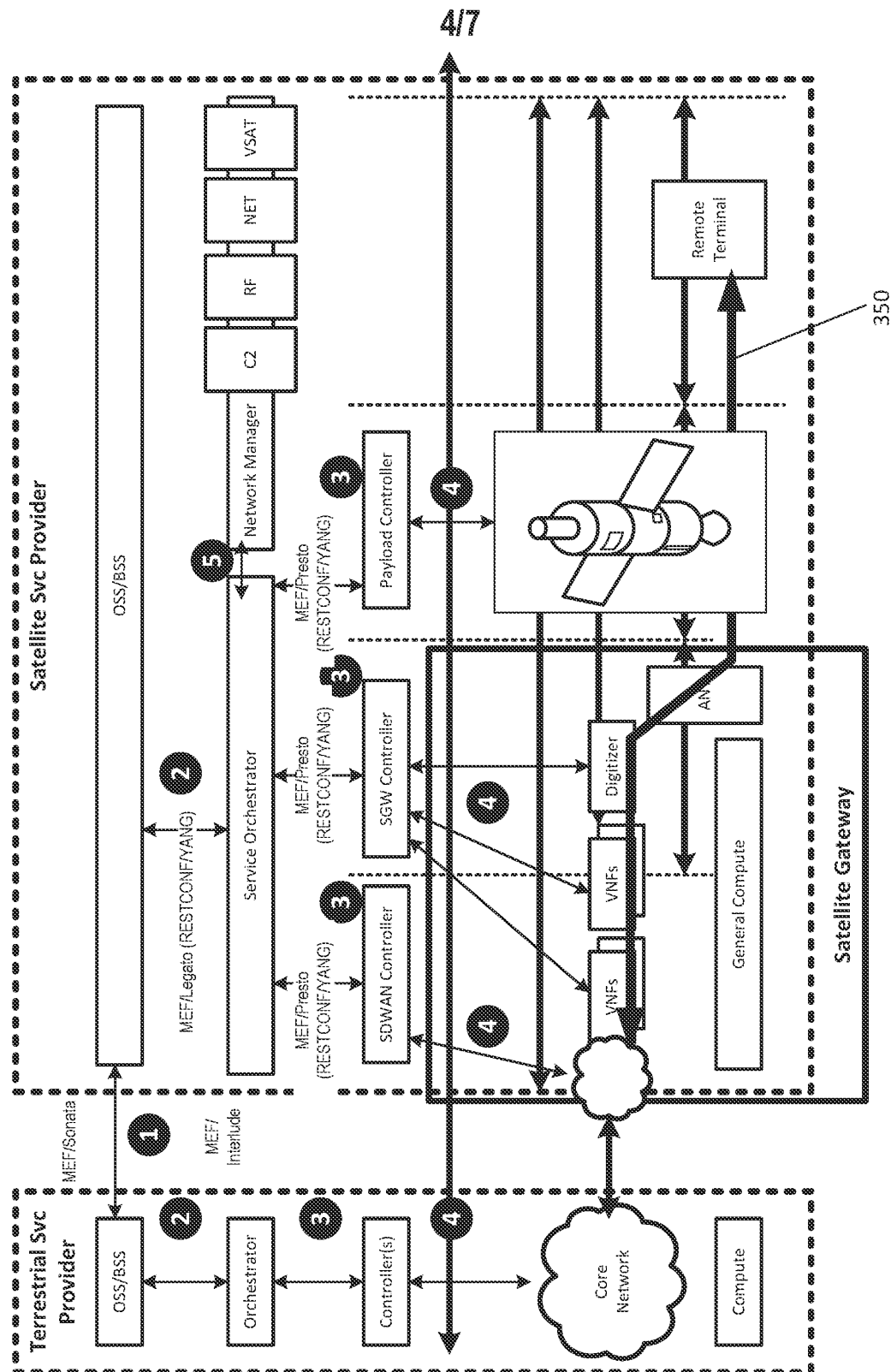


FIG. 3A



336x

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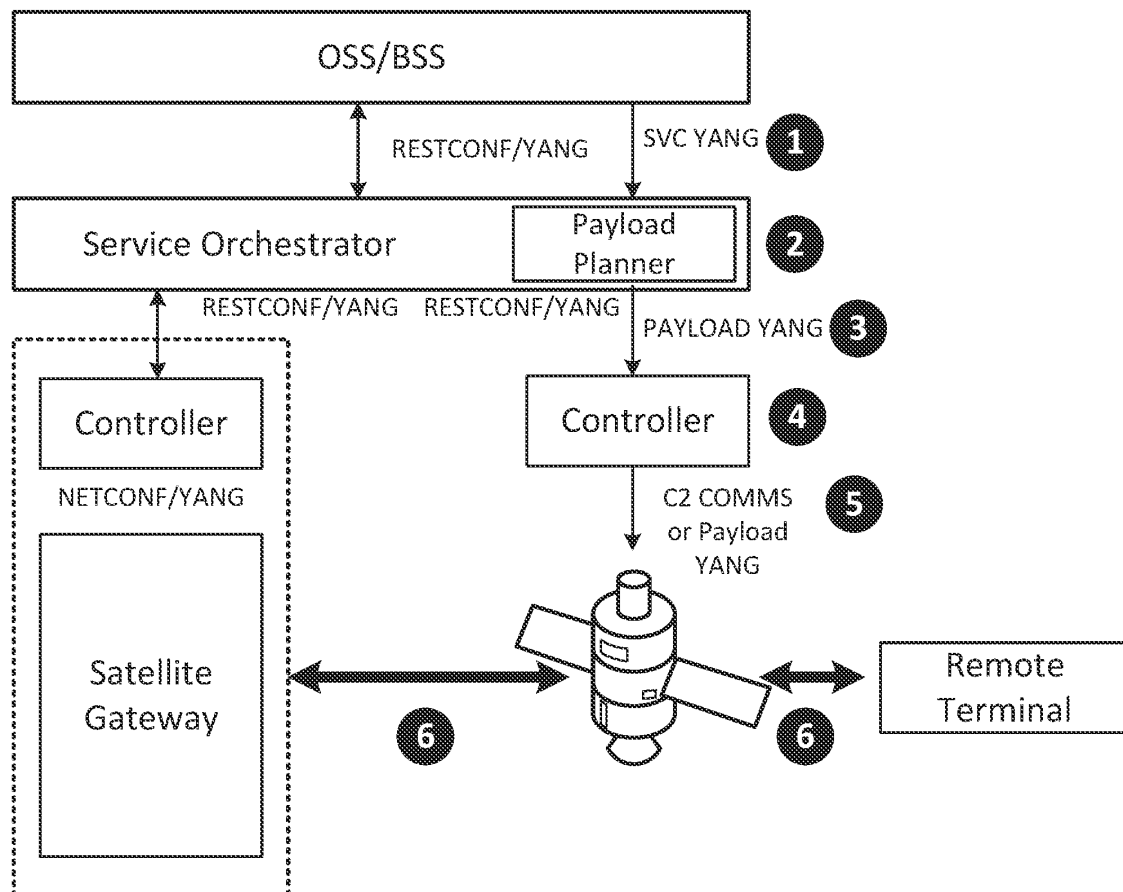
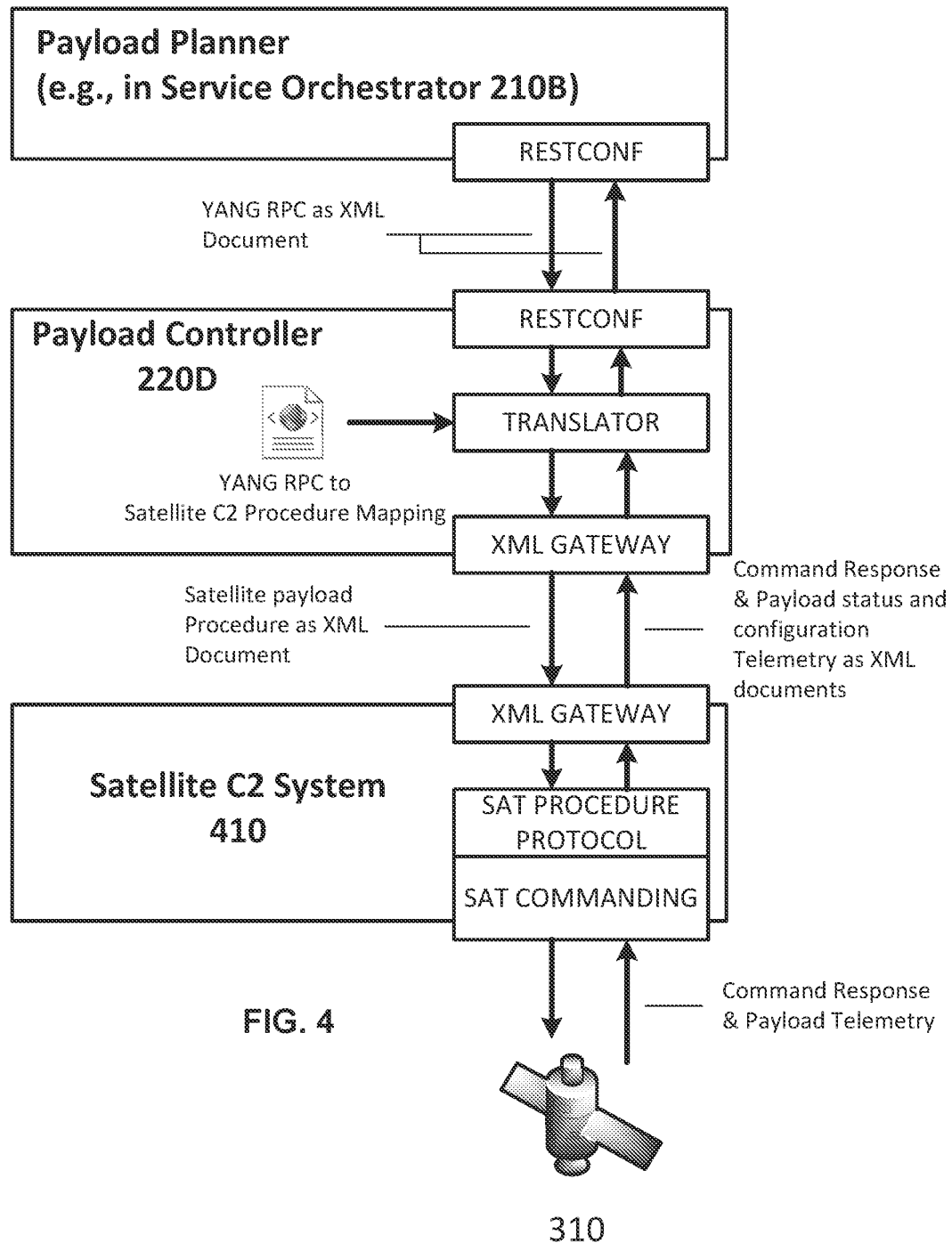


FIG. 3C

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<?xml version="1.0" ?>
<rpcs>
  <rpc name="gatewayToSatellite" procs = "4">
    <proc name="3_8_Task1_Ku-S_Rcvr_Power" order="1" inputs="2" outputs="0">
      <inputs>
        <input name="State" type="string" required="true" yangXPath="/k:input/k:Lna/k:component-state"/>
        <input name="Conv" type="int" required="true" yangXPath="/k:input/k:Lna/k:component-number"/>
      </inputs>
    </proc>
    <proc name="3_19_Task2_Set_Ku-S_Receiver_Switch_Position" order="2" inputs="3" outputs="0">
      <inputs>
        <input name="Conv" type="int" required="true" yangXPath="/k:input/k:baseball-switch/k:component-number"/>
        <input name="SwPos" type="string" required="true" yangXPath="/k:input/k:baseball-switch/k:switch-position"/>
        <input name="ECM" type="string" required="true" yangXPath="/k:input/k:baseball-switch/k:ecm"/>
      </inputs>
    </proc>
    <proc name="3_9_Task1_S_BB_Downconv_Power" order="3" inputs="3" outputs="0">
      <inputs>
        <input name="State" type="string" required="true" yangXPath="/k:input/k:baseball-switch/k:component-state"/>
        <input name="LO" type="string" required="true" yangXPath="/k:input/k:baseball-switch/k:oscillator-input"/>
        <input name="Conv" type="int" required="true" yangXPath="/k:input/k:baseball-switch/k:component-number"/>
      </inputs>
    </proc>
    <proc name="3_19_Task1_Set_S_BB_Downconverter_Input_Switch_Position" order="4" inputs="3" outputs="0">
      <inputs>
        <input name="LO" type="string" required="true" yangXPath="/k:input/k:baseball-switch/k:oscillator-input"/>
        <input name="Conv" type="int" required="true" yangXPath="/k:input/k:baseball-switch/k:component-number"/>
        <input name="SwPos" type="string" required="true" yangXPath="/k:input/k:baseball-switch/k:switch-position"/>
      </inputs>
    </proc>
  </rpc>
</rpcs>

```

FIG. 5