

```
system SensorPedalPosition
  features
    -- Input ports for subcomponent
    mech_pedal_pos : in data port Base_Types::Boolean;
    elec_pedal_pos : in data port Base_Types::Boolean;

    -- Behavioral contracts for subcomponent
  annex agree {**

    guarantee "Mechanical and electrical pedal position is equivalent" :
      true -> (mech_pedal_position = elec_pedal_position;
    };

end SensorPedalPosition;
```