

```
system SensorPedalPosition
  features
    -- Input
    mech_pedal_pos : in data port Base_Types::Boolean;
    -- Output
    elec_pedal_pos : out data port Base_Types::Boolean;

  annex agree {**
    guarantee "(SensorPedalPosition) mechanical pedal position is equivalent to electrical pedal position." :
      true -> mech_pedal_pos <=> elec_pedal_pos;

  **};
end SensorPedalPosition;
```