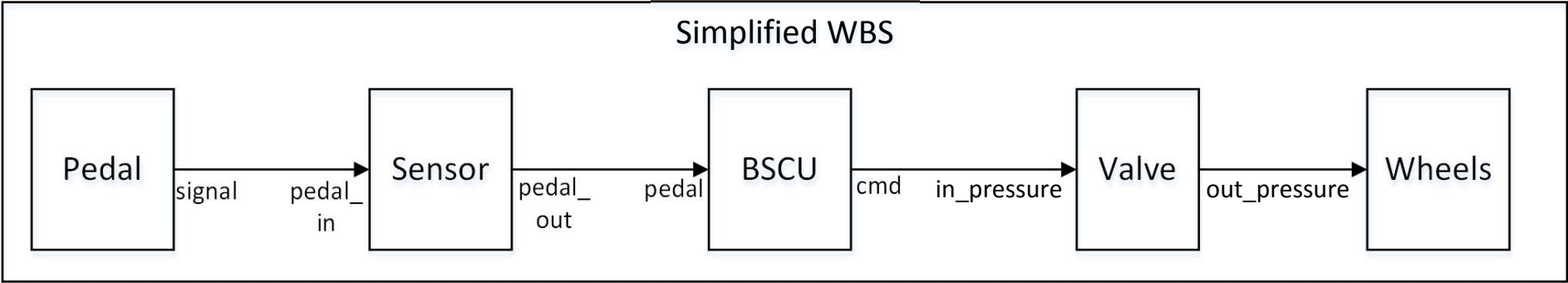


EMV2 Approach

<code>pedal_out : out propagation{NoService };</code>	<code>pedal : in propagation {NoService}; cmd : out propagation{NoValue};</code>	<code>in_pressure : in propagation {Novalue}; out_pressure : out propagation{NoValue};</code>	Error Propagation through Component
<code>error source signal{NoService};</code>	<code>error path pedal{NoService} -> cmd{NoValue};</code>	<code>error path in_pressure{NoValue} -> out_pressure{NoValue};</code>	Error Flow



<code>signal.val >= 0.0;</code>	<code>pedal_out.val = pedal_in.val;</code>	<code>(pedal.val > 0.0) => (cmd.val > 0.0)</code>	<code>out_pressure.val = in_pressure.val;</code>	Nominal Behavior in AGREE
<code>"sensor output stuck at zero" pedal_out = if fault_trigger then 0.0 else pedal_in;</code>				Faulty Behavior in Safety Annex
<code>"pedal pressed implies valve pressure" (Pedal.signal.val > 0.0) => (Valve.out_pressure.val > 0.0)</code>				System safety property in AGREE

Safety Annex Approach