

<pre> MACHINE VARIABLES p_out, p_in INVARIANTS inv7: $phase \in \{res, est\} \Rightarrow comp_mac(p_in(front) \mapsto$ $p_in(int) \mapsto p_in(len)) = p_in(mac)$ EVENTS Event Report $\langle ordinary \rangle \triangleq$ refines Report where grd10: $m = comp_mac(fr \mapsto i \mapsto le)$ then act2: $p_out := \{front \mapsto fr, int \mapsto$ $i, len \mapsto le, mac \mapsto m\}$ end </pre>	<pre> Event Integrity $\langle ordinary \rangle \triangleq$ refines Integrity where grd7: $comp_mac(rec2(front) \mapsto$ $rec2(int) \mapsto rec2(len)) = rec2(mac) \Rightarrow$ $acc = TRUE$ grd8: $comp_mac(rec2(front) \mapsto$ $rec2(int) \mapsto rec2(len)) \neq rec2(mac) \Rightarrow$ $acc = FALSE$ then act1: $phase : (acc = TRUE \Rightarrow phase' =$ $res) \wedge (acc = FALSE \Rightarrow phase' =$ $detection)$ end END </pre>
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