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1
                                             - MODULE AJupiterH -
2 EXTENDS A Jupiter
3 ⊦
    Variable list
    varsH \stackrel{\triangle}{=} \langle vars, list \rangle
     TypeOKH \triangleq TypeOK \land (list \subseteq List)
    InitH \stackrel{\Delta}{=} Init \wedge list = \{InitState\}
    DoH(c) \stackrel{\Delta}{=} Do(c) \wedge list' = list \cup \{state'[c]\}
    RevH(c) \stackrel{\Delta}{=} Rev(c) \wedge list' = list \cup \{state'[c]\}
    SRevH \triangleq SRev \land list' = list \cup \{state'[Server]\}
16 |
    NextH \stackrel{\triangle}{=}
17
          \lor \exists c \in Client : DoH(c) \lor RevH(c)
18
          \vee SRevH
19
     FairnessH \triangleq
21
          WF_{varsH}(SRevH \lor \exists c \in Client : RevH(c))
22
    SpecH \stackrel{\triangle}{=} InitH \wedge \Box [NextH]_{varsH} \wedge FairnessH
24
25 ⊦
    Weak List Consistency (WLSpec)
     WLSpec \triangleq Comm(Msg)!EmptyChannel
29
                         \Rightarrow \forall l1, l2 \in list:
30
                               \land Injective(l1)
31
32
                               \land Injective(l2)
                               \land Compatible(l1, l2)
33
    THEOREM SpecH \Rightarrow WLSpec
    Strong List Consistency (SLSpec)
     \* Modification History
     \* Last modified Thu Dec 27 20:36:24 CST 2018 by hengxin
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