AGREE State Transition Framework Correctness

The AGREE state machine defined for {component}
uses a correct state machine framework.

Rodes

It is very easy to define a state machine in AGREE and fail
to address state transitions correctly (e.g., failing to include
the self transition, or failing to maintain variables in arbitrary
time steps). There is no reason to reinvent new frameworks
each time and risk introducing errors. If a framework can be
defined and consistency applied then there is support for the
AGREE model itself being correct (validation of the model).

Evidence Scheme

{state machine framework idiom}

Context

{idiom documentation}

Rodes

Could be subdivided by components of the idiom:
e.g., (1) use of a state variable, (2) use of
individual transition variables, (3) definition of an
all transition variable, (4) same state loop
guarantees, etc. In essence, we can define here a
checklist of best practices and either expand that
out in the argument, or provide a single point of
evidence to represent the checklist and approval.

Evidence

{manual inspection}