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- MODULE E2Sub
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The E2Sub module specifies the E2Sub service API, state, and controllers.

EXTENDS Naturals, FiniteSets, Sequences, TLC

The set of an E2Sub nodes CONSTANT Nodes

Indicates a subscription being created CONSTANT *PhaseCreate* 

Indicates a subscription being deleted CONSTANT *PhaseDelete* 

Indicates a phase is pending CONSTANT StatusPending

Indicates a phase is complete CONSTANT StatusComplete

An empty value CONSTANT Nil

The set of all subscriptions VARIABLE subscriptions

The set of all subscription tasks VARIABLE subscription Tasks

 $vars \triangleq \langle subscriptions, subscription Tasks \rangle$ 

 $Init \stackrel{\triangle}{=}$ 

 $Next \stackrel{\triangle}{=} TRUE$ 

 $Spec \stackrel{\triangle}{=} Init \wedge \Box [Next]_{vars}$ 

- **\\*** Modification History
- \ \* Last modified Sun Nov 15 18:17:31 PST 2020 by jordanhalterman
- \\* Created Sun Nov 15 10:27:16 PST 2020 by jordanhalterman