―――――――――― MODULE *AdaptiveBFT_MainFlow* ――――――――――

EXTENDS *AdaptiveBFT*

Figure-A artifact: high-level *AdaptiveBFT* state-machine excerpt. This module aliases the main transition families used in the full spec.

$M1\_InjectAndValidate \triangleq$
    $\lor InjectTxStep$
    $\lor PreValidateStep$
    $\lor AgeTxStep$

$M2\_APSControlLoop \triangleq$
    $\lor DetectAnomaly$
    $\lor SampleGrid$
    $\lor EstimateGrid$
    $\lor ExploreGrid$
    $\lor DeployConfig$

$M3\_ConsensusPipeline \triangleq$
    $\lor PreOrder$
    $\lor GenerateTentativeProposal$
    $\lor RecoverFullProposal$
    $\lor PrepareVoteStep$
    $\lor PrepareQC$
    $\lor PreCommitVoteStep$
    $\lor PreCommitQC$
    $\lor CommitVoteStep$
    $\lor DecideBlock$

$M4\_AVCAndRVS \triangleq$
    $\lor Tick$
    $\lor CastTimeoutVoteStep$
    $\lor StartViewChange$
    $\lor BroadcastNP$
    $\lor ConfirmNewPrimaryStep$
    $\lor BroadcastSyn$
    $\lor SendSynAckStep$
    $\lor CompleteViewChange$

$MainFlowNext \triangleq$
    $\lor M1\_InjectAndValidate$
    $\lor M2\_APSControlLoop$
    $\lor M3\_ConsensusPipeline$
    $\lor M4\_AVCAndRVS$

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