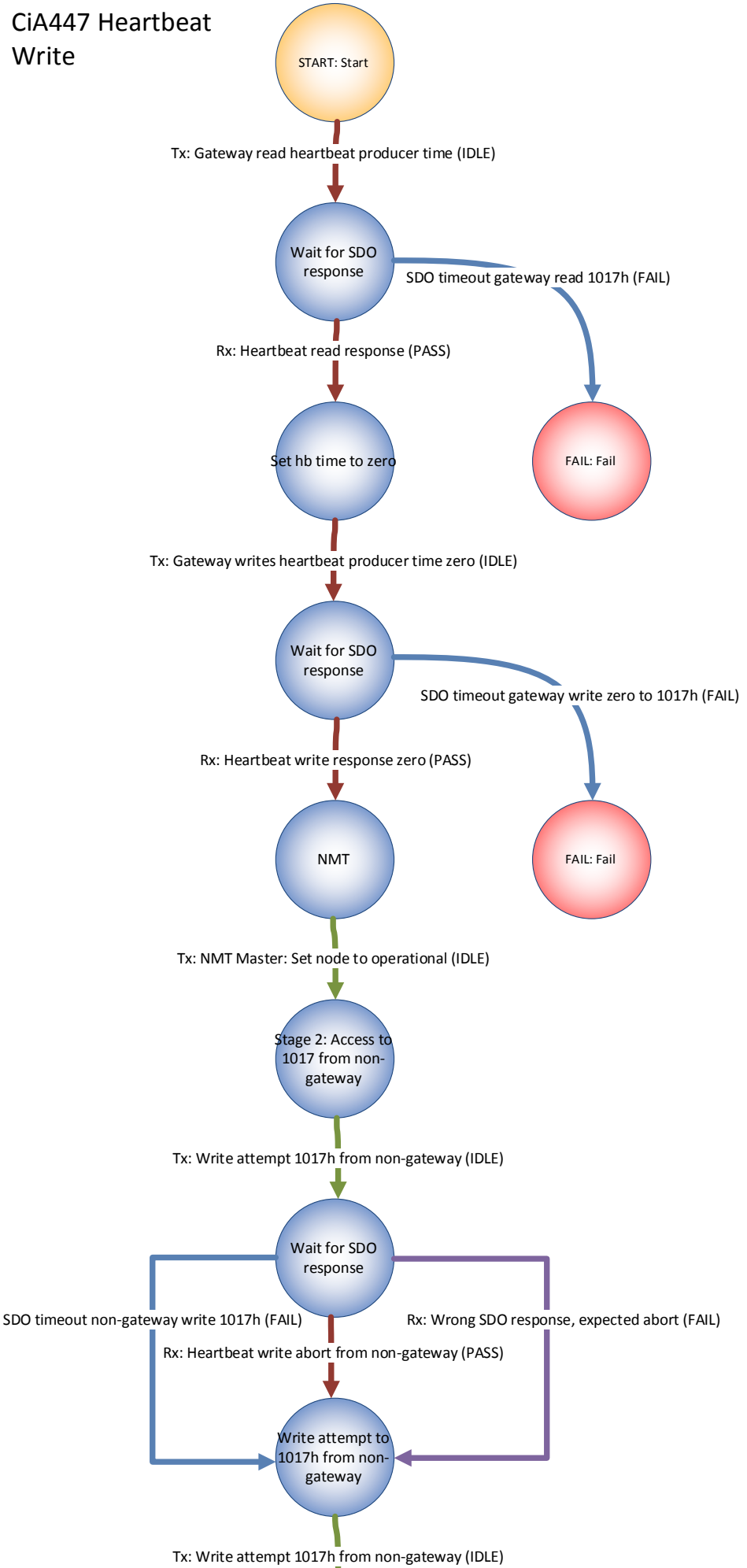
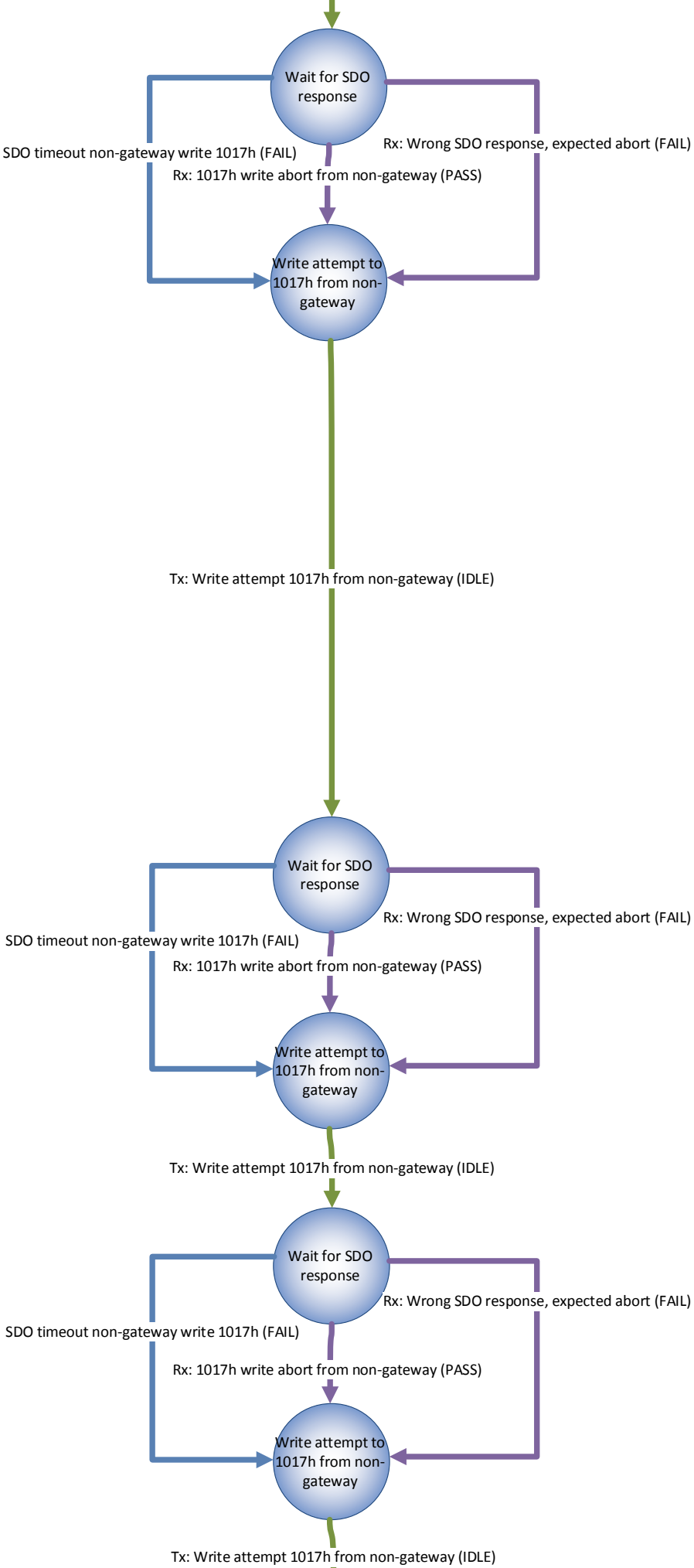
CiA447 Heartbeat Write




Wait for SDO response
SDO timeout non-gateway write 1017h (FAIL)
Rx: Wrong SDO response, expected abort (FAIL)
Rx: 1017h write abort from non-gateway (PASS)
Write attempt to 1017h from non-gateway
Tx: Write attempt 1017h from non-gateway (IDLE)
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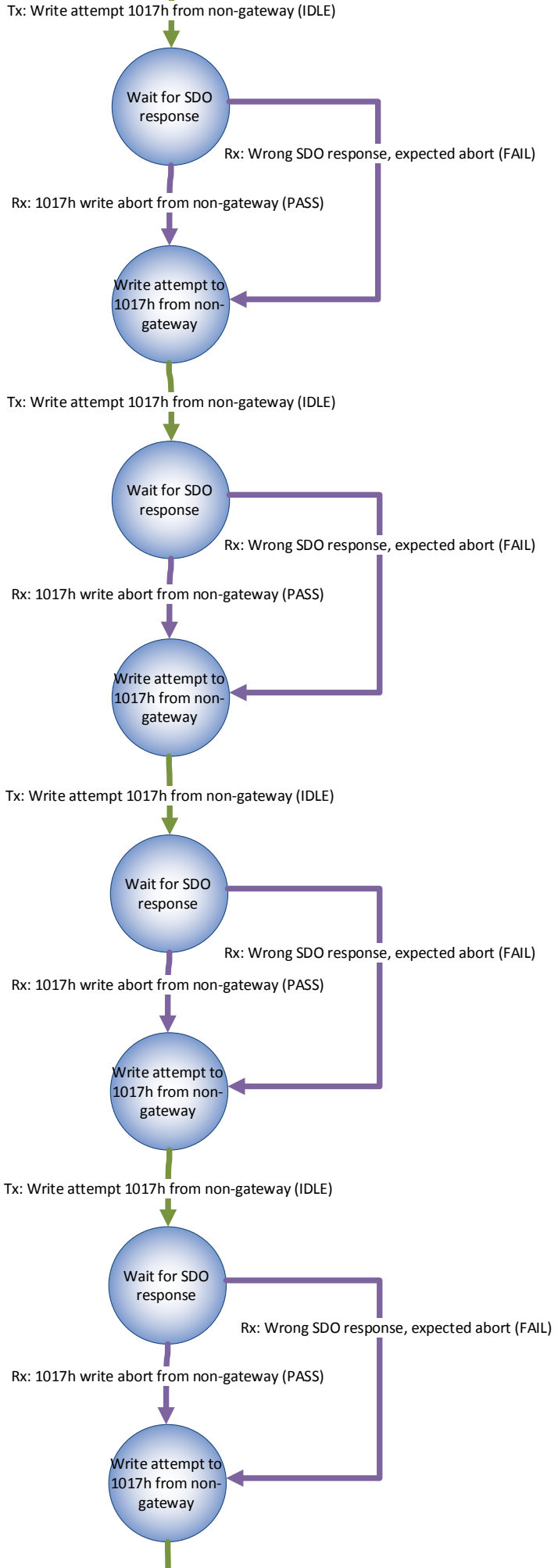
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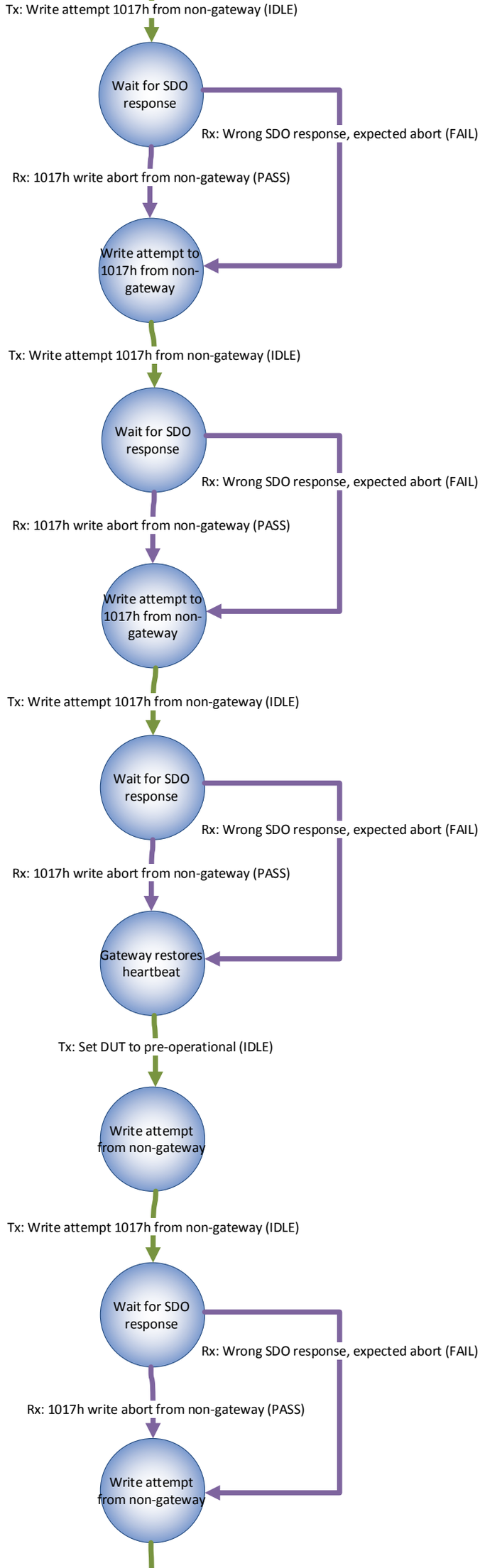
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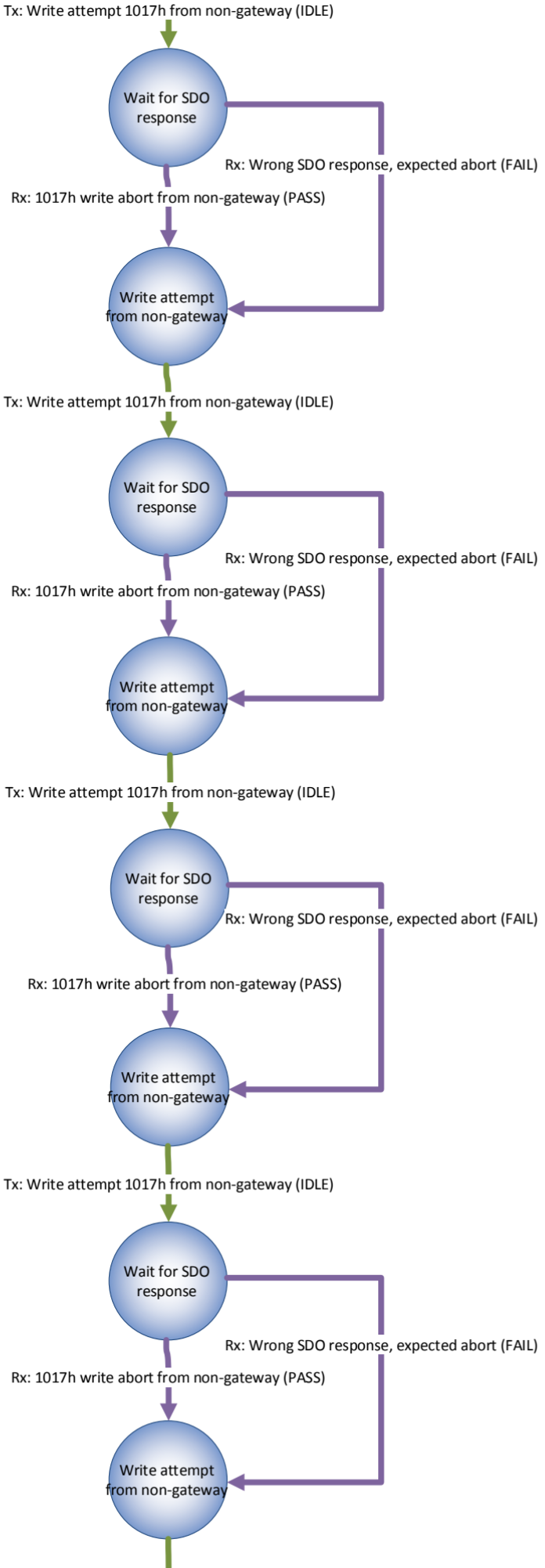
Tx: Write attempt 1017h from non-gateway (IDLE)
Wait for SDO response
Rx: Wrong SDO response, expected abort (FAIL)
Rx: 1017h write abort from non-gateway (PASS)
Gateway restores heartbeat
Tx: Set DUT to pre-operational (IDLE)
Write attempt from non-gateway
Tx: Write attempt 1017h from non-gateway (IDLE)
Wait for SDO response
Rx: Wrong SDO response, expected abort (FAIL)
Rx: 1017h write abort from non-gateway (PASS)
Write attempt from non-gateway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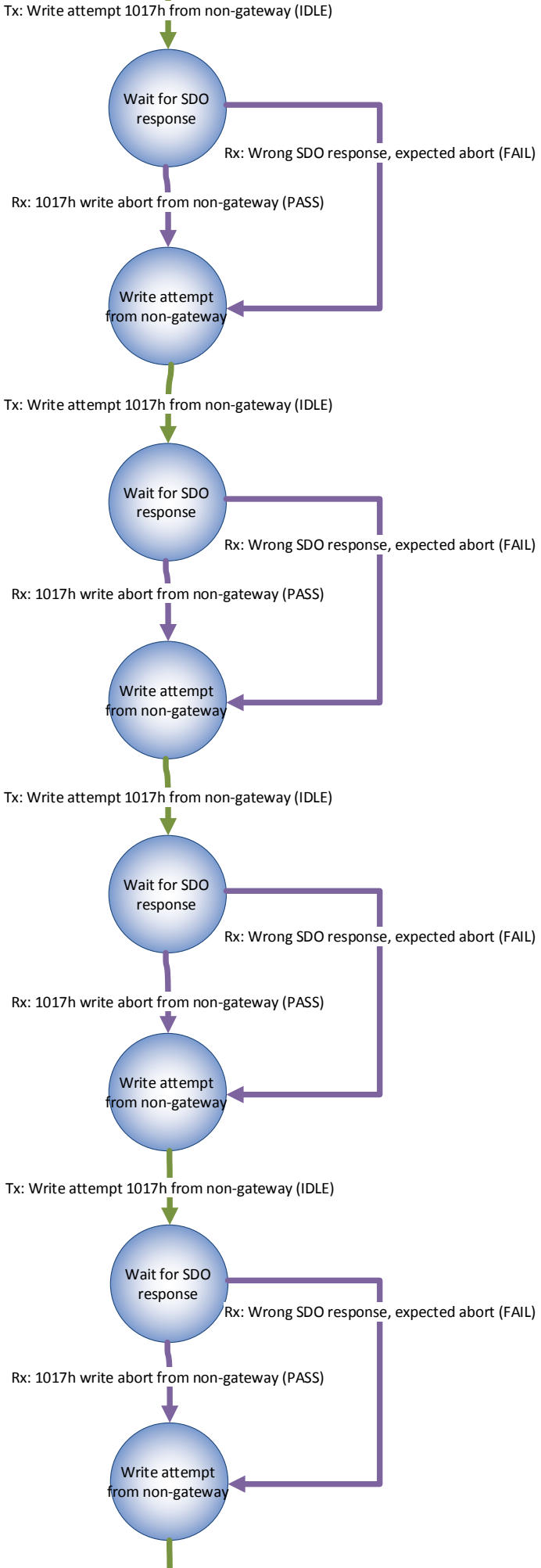
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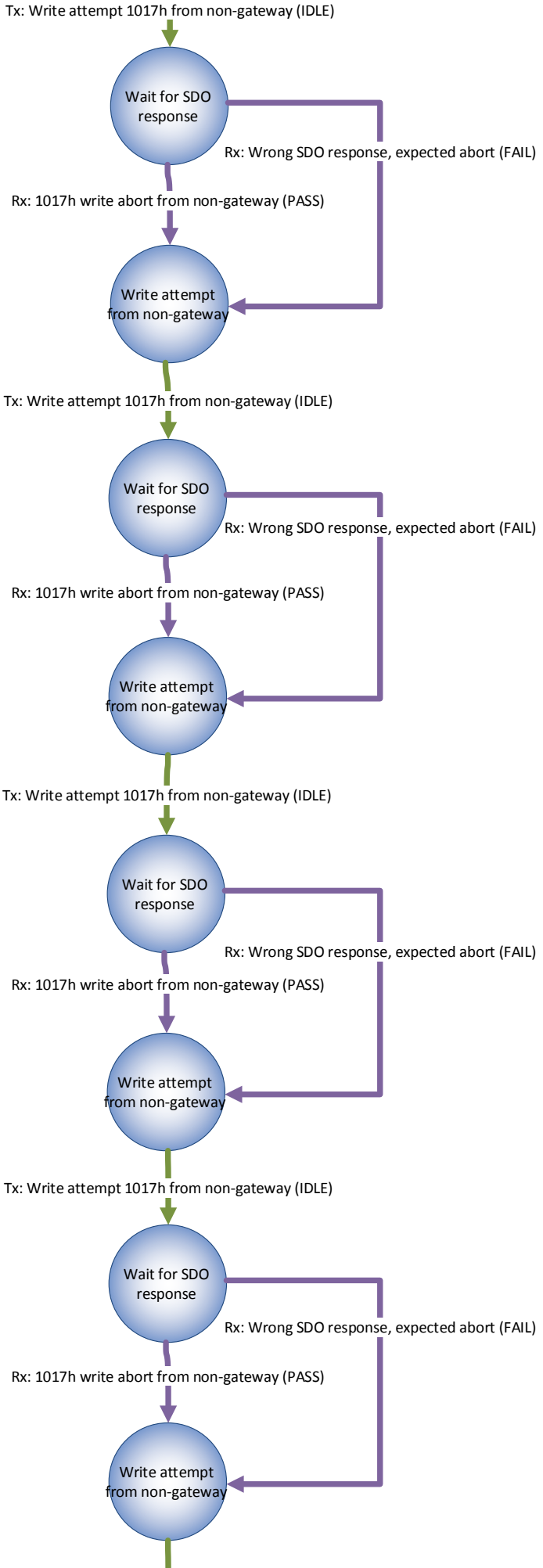
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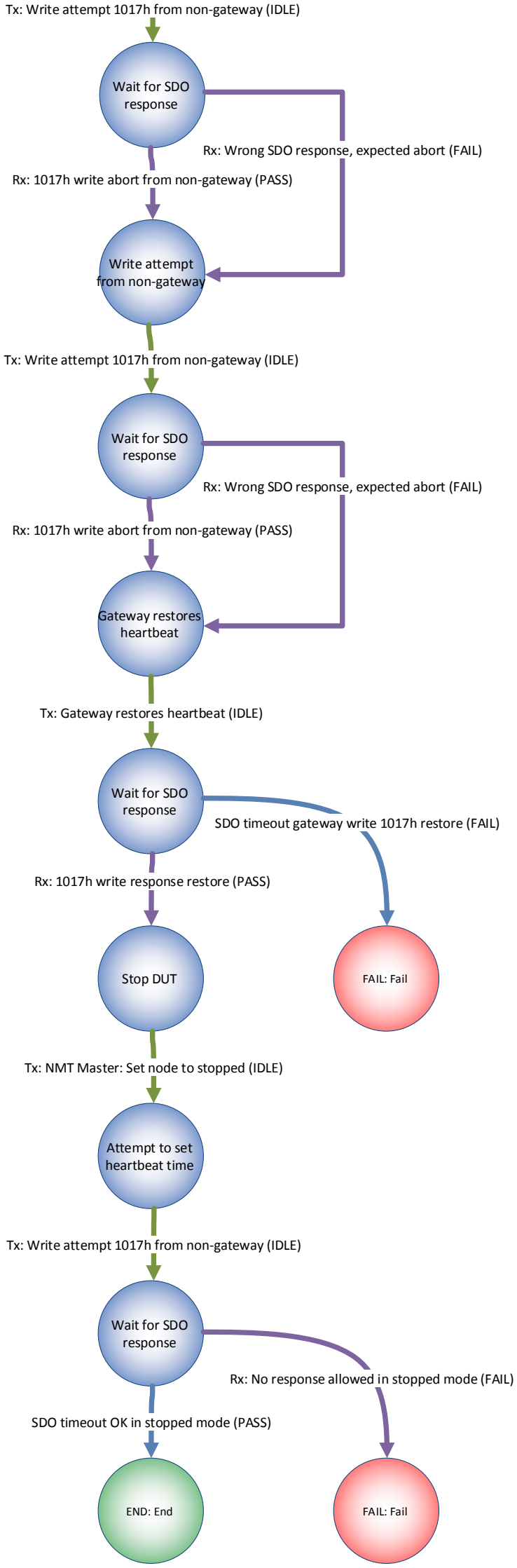
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Write attempt from non-gateway
Tx: Write attempt 1017h from non-gateway (IDLE)
Wait for SDO response
Rx: Wrong SDO response, expected abort (FAIL)
Rx: 1017h write abort from non-gateway (PASS)
Gateway restores heartbeat
Tx: Gateway restores heartbeat (IDLE)
Wait for SDO response
SDO timeout gateway write 1017h restore (FAIL)
Rx: 1017h write response restore (PASS)
Stop DUT
FAIL: Fail
Tx: NMT Master: Set node to stopped (IDLE)
Attempt to set heartbeat time
Tx: Write attempt 1017h from non-gateway (IDLE)
Wait for SDO response
Rx: No response allowed in stopped mode (FAIL)
SDO timeout OK in stopped mode (PASS)
END: End
FAIL: Fail