A restart in P63 can cause a case where VSELECT will not be properly initialized.

Visual inspection of coding revealed the problem.

- MIT ANALYSIS -

2.1 CAUSE:
Restart gap.

2.2 RECOGNITION:
Abnormal program behavior - unpredictable.

2.3 MISSION EFFECT:
Unknown.

2.4 AVOIDANCE PROCEDURE:
Initialize VSELECT prior to P63.

2.5 RECOVERY PROCEDURE:
Select P70 or P71.

2.6 PROGRAM CORRECTION:
Initialize VSELECT at start of P63.

2.7 RECOMMENDED DISPOSITION (Fix, Work-around, etc):
Fix for LUMINARY 1A.

2.8 RECOMMENDED RE-TESTING:
Confirm nominal performance during powered descent.

3.1 NASA DIRECTION:
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3.2 NASA/MSC SIGNATURE:
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Fix in LUMINARY 1A

3.3 ORGANIZATION:
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4.1 SIGNATURE:
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4.2 SIGNATURE:
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4.3 ORGANIZATION:
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4.4 DATE:
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