

CRaTER Malfunction Report

Test Title: Verification: Instrument Power Specification

Verification Ref: 32-06031.02

Malfunction Report No: _____

Reference: LRO Electrical Systems Specification (431-SPEC-000008, Rev. D)

Requirement: Inrush Current

Procedure: Measure turn on transient using a fast switch (to test compliance with ESS-19, ESS-20 and ESS-21)

Malfunction Description:

Initial current surge exceeds the ESS-19 requirement (limit is 1A/us; actual is 1.25A/us) during the initial surge.

The magnitude of the initial surge exceeds the ESS-21 requirement. (The limit is 3X of the maximum steady-state current in the first 10 ms. The instrument initial surge is approximately 6A during the first 10 us, about 18X the maximum steady state current.)

Performed by: D. Gordon

R&QA: _____

Date: 28 December 2007

Date: _____