



SA-03-90

DATE: February 27, 1990

TO: All Facility Safety Heads
All Facility Coordinators
All Contractor Safety Representatives

FROM: 429/Safety Manager, Head, Safety Engineering Branch,
SSQRD

SUBJECT: LaRC Problem/Failure Reporting for High Risk
Operations

Recent LaRC mishaps have surfaced the need for a comprehensive problem/failure reporting system for our high risk research facility operations. The program developed to satisfy this need is applicable to all facilities within the LaRC Facility System Safety and Configuration Management Program or those operating under Safety Permits as defined within the LaRC Safety Manual.

A problem/failure is defined as the inability of a system, subsystem, component, part, or material to perform in accordance with specification, functional test, or operational procedure requirements or expectations. The reporting of problems/failures is limited to research facility apparatus and essential support equipment. Building systems, such as air-conditioning and lighting, are not included. This reporting system will document and track component/equipment failures and aid in the development of a failure database. It will also serve as a mechanism for initiating evaluation of hardware, software and operating enhancements driven by these anomalies. The Problem/Failure Report (NASA Langley Form 184) will be used to report all component/equipment malfunctions and problem areas.

The Facility Safety Head and Facility Coordinator will be the primary individuals responsible for this reporting system. Instructions for report completion are included on the back of the Langley Form 184. The LaRC Problem/Failure reporting program is defined in LHB 1740.2, "Facility Safety Requirements," which is currently in the distribution cycle.

The implementation of this system is effective March 5, 1990. The Problem/Failure Report, NASA Langley Form 184 is available from stock and you are requested to obtain copies and initiate reporting accordingly. If further information is required contact the undersigned.

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