

470-PLAN-0005

Earth Explorers Program System Review Plan

DRAFT

December 2000



National Aeronautics and
Space Administration

Goddard Space Flight Center
Greenbelt, Maryland

Earth Explorers Program System Review Plan

**EARTH EXPLORERS PROGRAM
SYSTEM REVIEW
PLAN**

DECEMBER 2000

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GODDARD SPACE FLIGHT CENTER
GREENBELT, MARYLAND

EARTH EXPLORERS PROGRAM

System Review Plan

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GREENBELT, MARYLAND

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PREFACE

The purpose of this document is to establish the plan to document, for each Earth Explorers Project/Mission, a System Review Plan (SRP) in coordination with the GSFC Systems Review Office (SRO). This plan and the associated guidelines can be tailored to meet the specific needs of each mission and project. A description of specific required and recommended reviews can be found in the Earth Explorers Program Mission Assurance Guidelines and Requirements document (470-PLAN-0002). Additional information on reviews is provided in the Earth Explorers Program Mission Confirmation Plan (470-PLAN-0004). Each Earth Explorers Project/Mission Manager has the authority and responsibility to negotiate with the GSFC Systems Review Office to determine the GSFC system level review support to be provided by GSFC for the Project/Mission.

1.0 INTRODUCTION

1.0 OVERVIEW

The Project/Mission shall develop and implement a System Review Plan that is appropriate for assuring independent review of the overall mission requirements, flight hardware, software, ground support equipment, launch services and mission operations. The Project/Mission together with the Earth Explorers Program Office and the Systems Review Office of the Office of Systems Safety and Mission Assurance at the GSFC will continually review and verify the proper implementation of the mission/project.

A memorandum of agreement between the GSFC Systems Review Office (Code 301) and the Earth Explorers Project/Mission Manager shall be retained by the Systems Review Office through the successful launch of the mission.

2.0 IMPLEMENTATION

2.1 Implementation

The Earth Explorers Project/Mission Manager shall initiate a System Review Plan with the GSFC Systems Review Office using the attached template. It must be completed during the project formulation phase at least 60 days prior to the first system level review.

470

TO: 301/System Review Office/(Office Head Name)

FROM: 470/Earth Explorers Program/(Project Name) Project/Mission Manager/(Project/Mission Manager's Name)

SUBJECT: (Project/Mission Name) Project/Mission Level System Review Plan (SRP)

In accordance with GPG 8700.4, this memorandum documents the planned (Project Name) Project mission level reviews that will be chaired or supported by the System Review Office (SRO) as mutually agreed to by the GSFC Earth Explorers Project/Mission Manager and the Systems Review Office. It also reflects prior agreement between the (Principal Investigator (PI)) and the Earth Explorers Project/Mission Manager.

The specific dates and locations may change as the project evolves.

The Planned Reviews are:

Review SRO Responsibility Scheduled Dates Location

The (PI/Mission Team) shall maintain the review package material for each review and a copy shall be retained in the Earth Explorers Program Library. For those reviews chaired by the SRO, the SRO shall maintain all review records, including the review team appointment memorandum, Requests for Action (RFAs), RFA responses and review responses. For those reviews not chaired by SRO, the (PI/Mission Team) shall maintain all review records. Copies of all review records shall be retained in the Earth Explorers Program Library.

(Project/Mission Name) Project/Mission Manager Date

Concurrence:

Chief, Systems Review Office Date

cc:
Earth Explorers Program Manager
Earth Explorers Systems Assurance Manager
Earth Explorers Program Library