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National Aeronautics and
Space Administration

Goddard Space Flight Center
Greenbelt, Maryland 20771

AUG 18 1999

Reply to Attn of: 480

February 5, 1999

TO: 301/Chief, Systems Review Office

FROM: 480/ Program Manager, POES Program

SUBJECT: Office of Systems Safety and Mission Assurance System Review Plan for the POES Program

This memorandum documents roles and responsibilities of personnel from the GSFC Systems Safety and Mission Assurance, System Review Office (SRO) in support of the Polar Operational Environmental Satellite (POES) Program. This support is agreed upon by both parties as signified by joint signature of this memorandum.

The review program will consist of individual reviews of TIROS Spacecraft, Spacecraft Instruments and associated systems as depicted below:

- **TIROS K/L/M/N'N Spacecraft**
  1. Preliminary Design Review (PDR) (modified elements)
  2. Critical Design Review (CDR) (modified elements)
  3. Pre-environmental Review (PER)
  4. Pre-shipment Review (PSR)
  5. Flight Readiness Review (FRR)

- **Ground Systems**

  1. Flight Operations Readiness Review (FORR)

- **Instruments :**

  <u>HIRS</u>
  1. Critical Design Review (CDR) (modified elements)
  2. Pre-environmental Review (PER)
  3. Pre-shipment Review (PSR)

CHECK THE POES MASTER CONTROLLED DOCUMENTS LIST AT:
http://poes.gsfc.nasa.gov/iso/baseline
TO VERIFY THAT THIS IS THE CORRECT VERSION PRIOR TO USE.

AVHRR

1. Critical Design Review (CDR) (modified elements)
2. Pre-environmental Review (PER)
3. Pre-shipment Review (PSR)

AMSU-A

1. Preliminary Design Review (PDR) (modified elements)
2. Critical Design Review (CDR) (modified elements)
3. Pre-environmental Review (PER)
4. System Test Review (STR) (EOS Only)
5. Pre-shipment Review (PSR)
6. Flight Operations Review (FOR) (EOS Only)
7. Flight Readiness Review (FRR) (EOS Only)

AMSU-B

1. Pre-shipment Review (PSR)

SBUV

1. Critical Design Review (CDR) (modified elements)
2. Pre-environmental Review (PER)
3. Pre-shipment Review (PSR)

SEM

1. Preliminary Design Review (PDR) (modified elements)
2. Critical Design Review (CDR) (modified elements)
3. Pre-environmental Review (PER)
4. Pre-shipment Review (PSR)

MHS

1. Critical Design Review (CDR)
2. Pre-shipment Review (PSR)

SSR (recorders)

1. Preliminary Design Review (PDR) (modified elements)
2. Critical Design Review (CDR) (modified elements)
3. Pre-environmental Review (PER)
4. Pre-shipment Review (PSR)

Scheduling for all formal reviews will be coordinated between the POES Program Office and the Office of Systems Safety and Mission Assurance. The Code 301 review chairman, in concert with the Program Office and other GSFC Directorates, appoints key technical experts as review team members. Every effort shall be made to maintain the continuity (chairman and key technical experts) for the duration of the Program. Experts will be added and/or deleted from the review team according to the technical needs and phases of the Program.

Harry G. McCain

8/17/99

Concurrence:

Mark D. Brumfield
POES Instrument Systems Manager

2/17/99
Date

William E. Daney
POES System Assurance Manager

2/10/99
Date

Approval:

Josef Wonsever
Chief, Systems Review Office

8/17/99
Date

cc:
480/H. McCain
480/A. Azarbarzin
480/M. Brumfield
480/J. Ferry
303/S. Iarosis
303/W. Daney
Library