SDO System Requirements Review (SRR)/System Concept Review (SCR)
April 8-11, 2003
Review Agenda (Draft)

Day 1 (4/8/03):

8:30 am  LWS Presentation to IRT

12:00 pm  Lunch

1:00 pm  Introduction (30 min).............................................................. K. Schwer
- Project introduction, objectives, goals, etc
- Any programmatic overview details (schedule, etc) if desired

1:30 pm  Science Overview (90 min)...................................................... B. Thompson
- Overview of science mission (include materials like videos, pictures, etc that illustrate the scope and nature of mission and science goals [i.e science kickoff meeting materials] )
- How is this mission different from previous missions (SOHO, etc)?
- How is SDO science building on previous work?
- What are driving science constraints & how do they lead us to an implementation approach?
- Overview of Level 1 reqs

3:00 pm  Mission Overview (60 min)...................................................... J. Ruffa
- Overview of SDO work done so far
- SRR/SCR Objectives
- Mission concept overview
- SDO Requirements walkthrough
- SDO Mission phases overview

4:00 pm  Systems Engineering Process (60 min)
- Systems Engineering Overview ......................................................... Ruffa
- System Reliability Analysis/Enhancement process............................... Bay

5:00 pm  Contamination (30 min) ............................................................ Straka

5:30 pm  Comments/Wrap up

Day 2 (4/9/03):

8:30 am  Spacecraft Overview (60 min).................................................. D. Ward
- Top level concept overview
  o Bus concept, electrical architecture, major implementation decisions
- Overview of major trades (open/closed)
- Resource allocations
  o Mass, power, alignment, etc
- Development flow overview
  o Concept definition, development, integration, testing and verification
9:30 am  Instrument Concepts (180 min)
- HMI (60 min) ........................................................................ Scherer?
  o HMI development and implementation concept
  o HMI SOC development, ops plan; Data analysis & products
- SHARP (60 min) ........................................................................ Howard?
  o SHARPP development and implementation concept
  o SHARPP SOC development, ops plan; Data analysis & products
- EVE (60 min) ........................................................................ Woods?
  o EVE development and implementation concept
  o EVE SOC development, ops plan; Data analysis & products

12:30  Lunch

1:30 pm  Spacecraft Subsystems
- Mechanical (60 min) .............................................................. G. Rosanova
- Deployables (20 min) ............................................................ J. Hair
- Thermal (30 min) .................................................................... E. Grob
- GN&C (90 min) ...................................................................... J. Gagossian
- Power (30 min) ...................................................................... D. Keys

5:20 pm  Comments/Wrap Up

Day 3 (4/10/03):

8:30 am  Spacecraft Subsystems (cont)
- C&DH (30 min) ................................................................. J. McCabe
- RF (S band) (20 min) ............................................................ M. Lecha
- High Gain Antenna System
  o HGA System overview (15 min) ........................................ R. Barclay
  o Antenna Pointing Systems (30 min) .................................. R. Barclay
  o RF (Ka-band) (30 min) ...................................................... M. Powers
- Flight Software (45 min) ....................................................... M. Maldonado
- Electrical (30 min) .............................................................. P. Kim

11:50 am  Lunch

12:50 pm  Ground System (120 min) ........................................ R. Pages
- Ground System Overview
- Ground Station
  o Implementation concept (location, station implementation, testing/verif., etc)
- Data Distribution
  o Implementation concept (latency, retransmission, storage, etc)
- MOC & Spacecraft Ops
  o Operation phases, implementation approach, etc

2:50 pm  Radiation (20 min) ...................................................... M. Xapsos
3:20 pm  Performance Assurance (60 min) .......................... B. Calvo
- Overview
- MAR
- Safety
- Reliability & Risk management/assessment
- Software assurance
- Parts
- Parts management plan

4:20 pm  Verification
- I&T (30 min) ..............................................................D. Woods
  - Identification of “tall pole” issues
  - Overview of I&T plan and approach
  - Integration & testing flow (flow of major components and how they are integrated)
  - Environmental testing overview
  - Contamination Control (Straka)

5:50 pm  Comments/Wrap Up

Day 4 (4/11/03):

8:30 am  Project Management Splinter ............................. Project Staff
  Project Work Breakdown Structure
  Resources
  Schedules
  Project Dependencies and Agreements
  SDO Information Management/Control
  Education and Public Outreach
  Project Reporting