

**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. Gagosian
 - 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
 - o Identification of “tall pole” issues
 - o Overview of I&T plan and approach
 - o Integration & testing flow (flow of major components and how they are integrated)
 - o Environmental testing overview
 - o 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**