

Solar Probe Plus

A NASA Mission to Touch the Sun

Integrated Science Investigation of the Sun Energetic Particles

Preliminary Design Review

05 – 06 NOV 2013

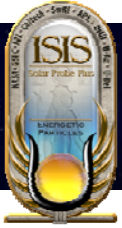
Action Items

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ISIS Systems Engineering (SwRI)



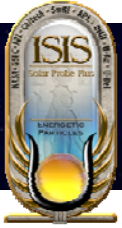
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Outline



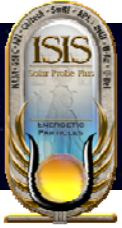
- Sources of Action Items
- SwRI Action Item Tracking
- APL / Caltech Action Item Tracking
- ISIS Action Items from Meetings
- Summary of ISIS Action Item Tracking



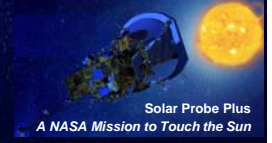
Sources of Action Items



- No action items assigned to ISIS at MDR
- Other action items from:
 - PDR, CDR, SIR, PER, PSR
 - Peer Reviews
 - I&T
 - Fabrication Readiness Reviews, Test Readiness Reviews etc.
 - SPP-ISIS meetings
 - Internal ISIS meetings

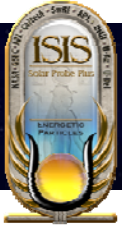


SwRI Action Item Tracking (1/2)

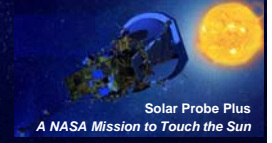


SwRI has its own tracking system for action items:

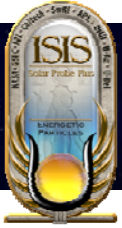
- Project Information Management System – Action Item Management PIMS-AIM
 - PIMS-AIM tracks the action item history and automatically distributes status updates, due date reminders, closure memos
 - The ISIS Project Manager is responsible for PIMS-AIM
 - The ISIS Systems Engineer (SE) is responsible for tracking the disposition of ISIS action items
- For reviews, in addition to PIMS-AIM tracking, an Internal Design Review Report (IDRR) form is generated and signed off by the review chair when all action items are closed



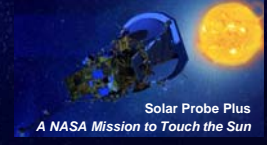
SwRI Action Item Tracking (2/2)



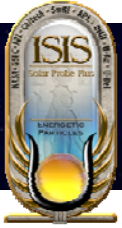
- PIMS-AIM will be used to track action items from:
 1. PDR, CDR, SIR, PER, PSR
 2. EPI-Hi Peer Reviews
 3. EPI-Hi I&T
 4. EPI-Hi FRRs, TRRs
- At the end of a review, action items are re-visited, summarized and documented, written inputs from reviewers collected
- Action item materials are posted on the ISIS Wiki



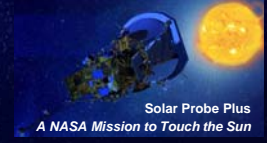
APL / Caltech Action Item Tracking



- APL has its own tracking systems, which the EPI-Lo team will use for lower-level action items, e.g. peer reviews:
 - Post-review, a memo is circulated to all review participants and ISIS management, which lists all action items
 - At APL, action items are recorded in an Excel spreadsheet and tracked by the EPI-Lo team. This is periodically distributed as work on each action item progresses
 - Action Item Response memos are circulated to all review participants and ISIS management summarizing the disposition of each action item until all have been closed
- APL will use SwRI's PIMS-AIM for higher-level action items, e.g. from PDR, CDR, etc.; it is always available to EPI-Lo as a backup tracking mechanism
- Caltech will use the SwRI action item tracking tools

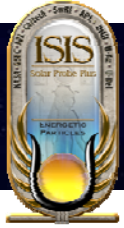


ISIS Action Items from Meetings



For tracking actions items from SPP-ISIS meetings and internal ISIS meetings:

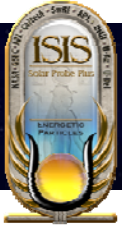
- Action items arising during meetings are noted in the minutes, and an actionee and due date are assigned
- Progress is tracked during subsequent meetings and noted in the minutes
- Action items remain in the meeting minutes until they are closed
- The SPP Payload Systems Engineer (SE) is responsible for tracking action items arising from SPP-ISIS meetings
- The ISIS SE is responsible for tracking the disposition of ISIS action items from internal meetings



Summary of ISIS Action Item Tracking (1/2)



Action Items from	SwRI	APL	Caltech
PDR, CDR etc.	PIMS-AIM	PIMS-AIM	PIMS-AIM
Peer reviews	PIMS-AIM	Memos, spreadsheet	PIMS-AIM
I&T	PIMS-AIM	Memos, spreadsheet	PIMS-AIM
FRR, TRR etc.	PIMS-AIM	Memos, spreadsheet	PIMS-AIM
Meetings	Minutes	Minutes	Minutes



Summary of ISIS Action Item Tracking (2/2)



- SwRI has the tools to track ISIS action items
- Institutional tracking tools will be used by the EPI-Lo team at APL to track lower-level action items (PIMS-AIM is available as a backup tracking system)
- High-level EPI-Lo action items will be tracked with SwRI's tracking tools
- SwRI's tools will be used to track all EPI-Hi action items
- Action items arising from meetings are being tracked through meeting minutes
- All ISIS action items are being effectively tracked