Agenda

- Marshall’s Knowledge Initiatives Suite
  - Maturing a Learning Culture from a Learned Culture
- ASAP briefing May 12, 2016
- Status of Selected
  - Case Study Writers Workshop and Writers Experience
  - Communities of Practice
- Upcoming Events
MSFC Knowledge Suite

Case Study Practice
Capturing real Marshall experiences for forward-leaning learning

Real World Marshall Mission Success

Pause and Learn
Intentional Reflective Learning and knowledge capture

Knowledge Integration
We don’t know when we don’t connect

Lunch -n- Learn
Repast of Experiences

MSFC Lessons Learned Distilling Team
Learning from the Learned

Knowledge Access
Enable discovery with access to knowledge sources

Communities of Practice
Workforce shaping – beyond KM

- Knowledge Management: Comprehensive KM initiative aligned with Agency approach
- Targeted Hiring: Strategic hiring for backfills, new hires
- Realignment: Strategic discussions on
  - Make/buy, work with other centers
- Training: Aggressive training programs in technical, business, and leadership skills
- Future Skills: Proactive STEM engagement programs at all levels (K-postgraduate)
Case Study Writers Workshop and Experience

- Six case studies approved for general release
  - On the X-34 FASTRAC – Memorandums of Misunderstanding
  - Closed and Not Closed: Mitigating a Mystery on Chandra’s Door
  - Space Launch System (SLS) Test Stand Site Selection
  - After Math – Foamology and Flight Rationale
  - Tethered Space Satellite-1 (TSS-1): Technical Roundabouts (medium case)
  - Tethered Space Satellite-1 (TSS-1): Wound About a Bolt (short case)

- Five Teams in CS Writers Experience 2016
  - STS-115 Lightning Strike Launch Decision
  - Challenger – Engineer’s Perspective
  - 3-D Printing project
  - Space Station Freedom to ISS- International Relations and Data Buses

- Wonderful knowledge sharing method
  - Takes a lot of work from the writers
Real World Marshall Mission Success (RWMMS)

- RWMMS 2016 in Oct & Nov
- Leader chats, including
  - Todd May, MSFC CD – new this year
  - Big PM and Small PM – new leadership this year
  - Engineering Directorate – new leadership this year
  - S&MA
  - Flight Projects – new leadership this year
  - Support organizations: Center Operations, Legal, HR, Procurement – some new leadership this year
  - MSFC Chief Engineer – new leadership this year
- History Quest
- Case Studies
Upcoming Events

- Human Space Flight Lessons Learned Forum
  - TBD in Huntsville
  - NASA CKO conducting
  - MSFC and University of Alabama in Huntsville hosts

- Course on V&V on Large Space Systems
  - Verification and Validation of large space systems
  - Sponsored and conducted by HEOMD CKO
  - Supports SLS Program phase
  - September 16, 2016 at MSFC
Conclusion

- MSFC is actively engaged in addressing knowledge needs
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• **MSFC LL webpage on NEN Lessons Learned website:**
  • https://nen.nasa.gov/web/ll/msfc