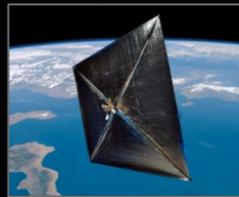




Marshall Space Flight Center MSFC Knowledge Initiatives

17 May 2016

marshall



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

Being real about Marshall success

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

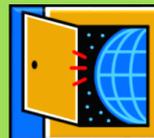
Repast of Experiences

MSFC Lessons Learned Distilling Team



Learning from the Learned

Knowledge Access

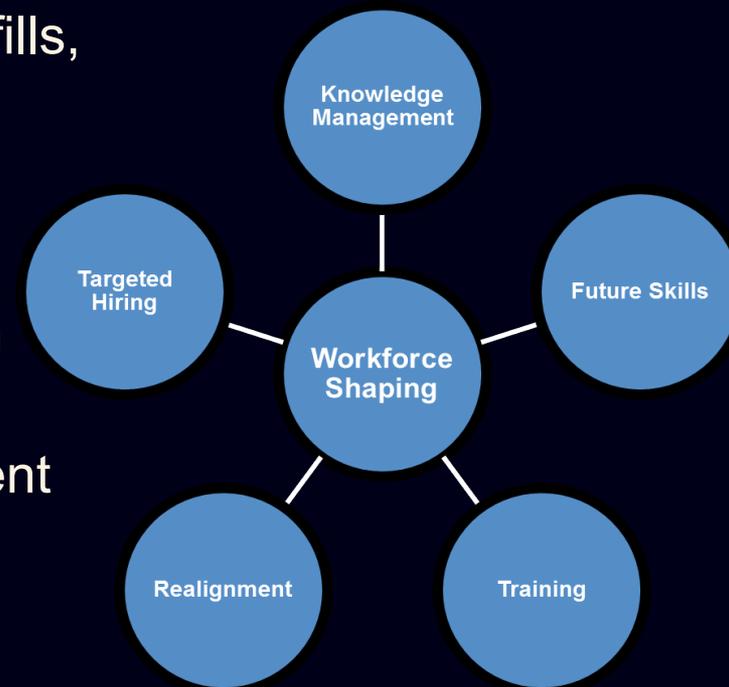


Enable discovery with access to knowledge sources



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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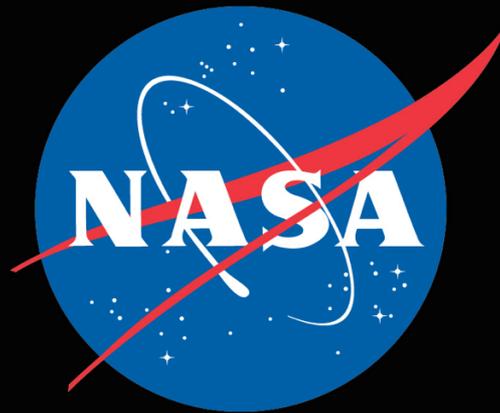
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