

# Configuration Management (CM) at NASA/Johnson Space Center (JSC)

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An examination of CM activities in Space Life  
Sciences Directorate  
(SLSD) at NASA/Johnson  
Space Center (JSC)





# Presentation Outline

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- Wyle - Integrated Science and Engineering, Houston, Texas
- Space Life Sciences Directorate at JSC
- NASA CM Interfaces
- SLSD-Bioastronautics Planning System (BPS)
- CM Metrics
- Next Steps

# Wyle

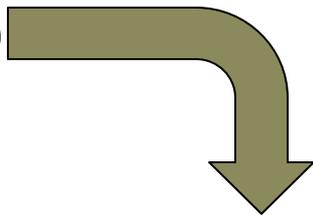
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- Headquartered in El Segundo, CA
- 4,800 employees
- 50-plus primary facilities nationwide
- Approx. \$1.1 billion annual revenues from core customers, Department of Defense, NASA, and leading aerospace contractors
- Operating entities:
  - Aerospace Group
  - Information Systems Group,
  - Integrated Science and Engineering Group
  - CAS Group

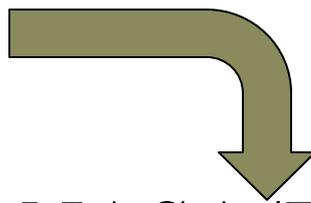
# Wyle Integrated Science & Engineering - Houston

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Bioastronautics Contract (Contract Support Office)



Configuration Management Office



NASA/JSC/Space Life  
Sciences Directorate

# SLSD Mission Statement:

“To optimize human health and productivity for space exploration”



Exploring Space | Enhancing Life

# SLSD Internal Homepage

## Welcome to Space Life Sciences

**NASA@work**  
Communicate. Collaborate. Come Together.

EXPLORE NOW

View FeedYourHeadClub Tab

SA NAV About SLSD Boards SA CM Tools Safety QMS Flight Related Export Control Risks

### SLSD ORGANIZATION

## Events

**INNOVATION LECTURE SERIES :**  
EVA GUINAN, MD - HARVARD MEDICAL SCHOOL

Eva Guinan, MD, Associate Professor of Pediatrics, Associate Direction, Center for Clinical and Translational Research at Harvard Medical School, was featured during the September 7, 2011 Innovation Lecture Series. She presented 'Opening Up Academic Biomedical Research: Experiments in'

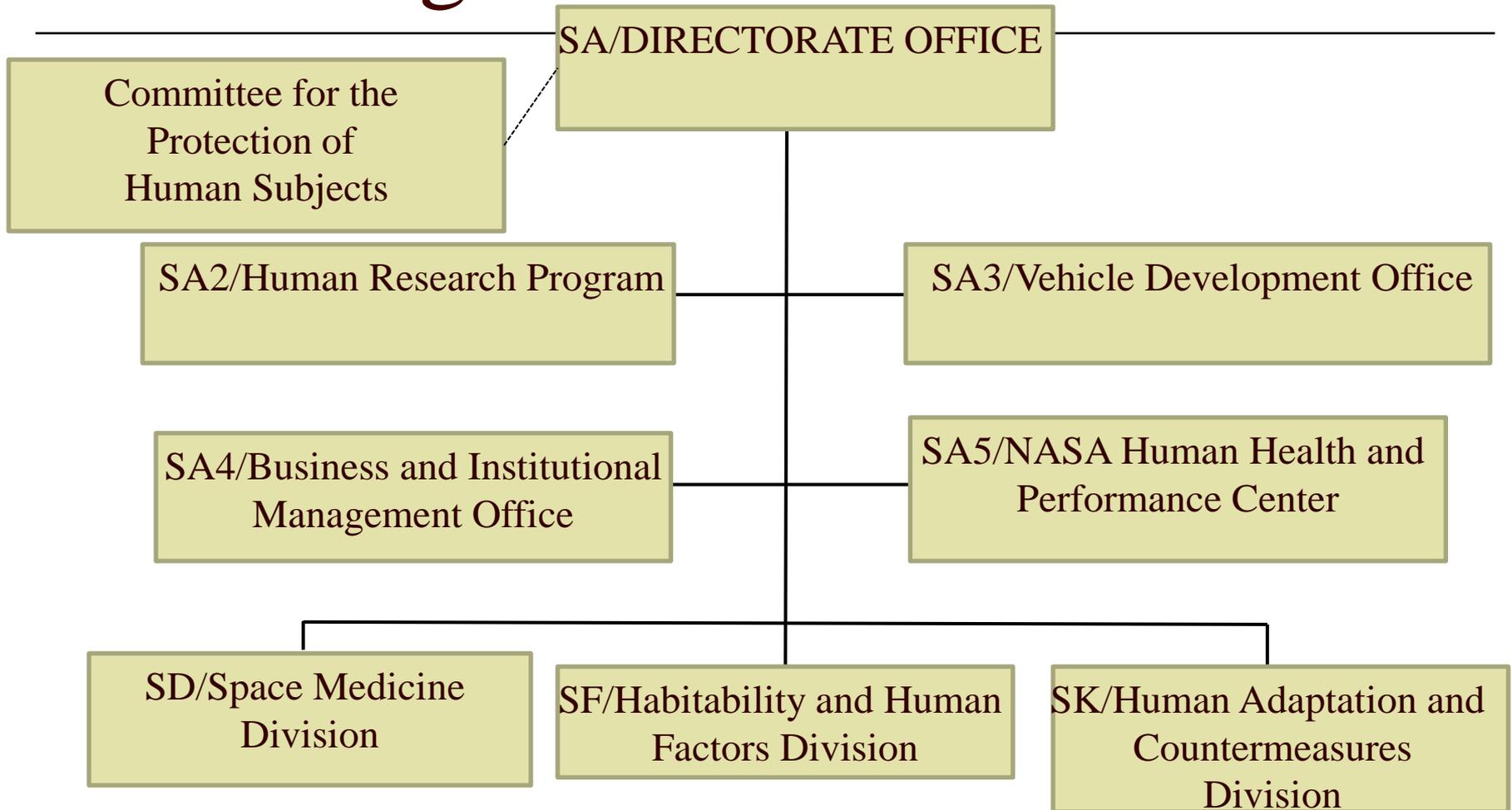
## News and Announcements

**NEW COLLABORATIVE SPACE :**  
BUILDING 37 COLLABORATIVE LIBRARY

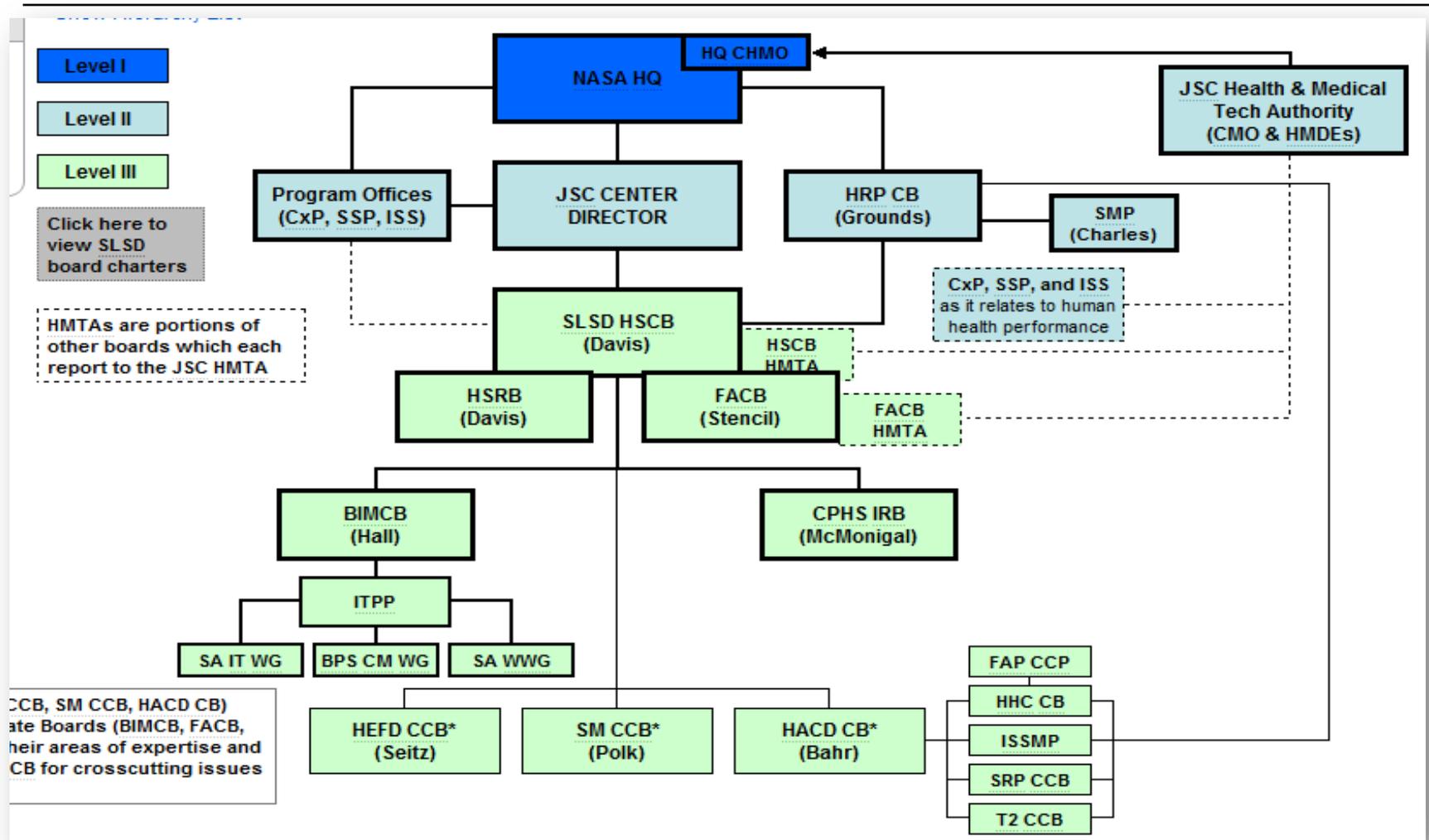
Looking for a place to connect with your colleagues? Check out the recently transformed B37 Collaborative Library, located on the second floor of B37. This creative space offers a fun, casual gathering place for 15 persons and features multiple whiteboards, flexible seating, and M&M's dispensers.

- SA : SLSD  
Space Life Sciences
- SA Administrative Team  
SA Secretarial Homepage
- SA2 : HRP  
Human Research Program
- SA3 : VDO  
Vehicle Development Office
- SA4 : BIMO  
Business & Institutional Management
- SA5 : NHHPC  
NASA Human Health & Performance Center

# SLSD Organization



# SLSD Board Organization





# JSC/Space Life Sciences Directorate (SLSD) Interfaces

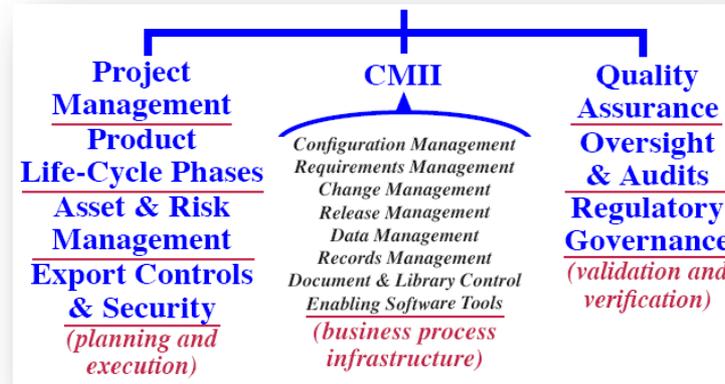
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- CM Support to the SLSD
  - Boards Administration (board charters, agenda, minutes, actions, directives, membership, and change requests)
  - External Program (ISS, Shuttle closeout, EVA, MPCV/Orion) Change control
  - Forms, Document, and Data Management
  - Flight Hardware documents/drawings

# JSC/Space Life Sciences Directorate (SLSD) Interfaces

- CM Support to the SLSD (continued)
  - Interface with other electronic management systems – JSC Organizational Directives, COSMOS, EDMS, EDCC, Export Control, QMS, ISO 9001, Inclusion & Innovation, Risks, etc.

It's like balancing everything CM II does!!





JSC Library Homepage

How do I...

Collections

Services

Training

About Us

JSC Library Wiki

### Library Hotlinks

JSC Document Index System

NASA Aeronautics & Space Database (NASD)

NASA Digital Library

Specifications & Standards

NASA Galaxie

E-books/Journals

UHCL Collection

JSC History

JSC Video & Still Imagery

Library Forms

### JSC Library Website



# Hot days of summer!

**Transition of JSC's Library Services From UH-Clear Lake**

[Find out more](#) about this important announcement!

### Quick Search

Articles and Books (Publicly available)

JSC Documents

Images and Video

JSC

Library Website

*About Library QuickSearch*

### JSC Featured Authors (Click here for more)

Author	Title	Journal Name	Month/Year
Nuevo, M.; Milam, S.N.; Sandford, S.A.; De Gregorio, B.T.; Cody, G.D.; Kilcoyne, A.L.D.	<a href="#">XANES analysis of organic residues produced from the UV irradiation of astrophysical ice analogs</a>	Advances in Space Research	September 2011
Perchonok, Michele H.; Weiss, Ian; Bugbee, Bruce.; Mauer, Lisa J.; Stoklosa, Adam M.	<a href="#">Composition and functional properties of apogee and perigee compared to common terrestrial wheat cultivars</a>	International Journal of Food Properties	September 2011

### Library News

Actions		
@	Title	Edit
@	STIC E-Notes	
	NASA Budgets	
	Copyright Basics Video	
	Copyright Guide	
	Federal Daily	



International Space Station

# CoSMOS

CONFIGURATION STATUS MANAGEMENT OPERATIONS SYSTEM



Home

News

Support

Account Request

Related Links

Site Map

Please follow this [link](#) for a quick reference guide to electronic Change Requests (eCR).



## About CoSMOS

The Configuration Status Management Operations System (CoSMOS) supports configuration management process for the ISS Program. CoSMOS is used to document, track, and manage ISS Program Change Requests (associated directives, actions, etc.), Program Directives, Deviations & Waivers, and CoFR Exceptions. All users must have a CoSMOS user ID to access the system.

Enter Application

Create eCR

# ELECTRONIC DOCUMENT MANAGEMENT SYSTEM



Home

Enter EDMS

Request Account

ISS Home » EDMS

Upcoming ▼

ENTER  
EDMS

## Common Searches

- [ISS Documents by Number](#)
- [ISS Program Released Documentation \(ERU\)](#)
- [Change Data by Type \(SSCNs/CRs\)](#)
- [ISS Program Configuration Management Blank Forms](#)
- [Additional Searches](#)

## Application Support Center (ASC)

Email: [Application Support Center](#)  
Monday - Friday: 8 AM – 5 PM Central  
Emergency After-Hours: )

### News

Releases  
Outages  
User Forums

### Help

Application Support  
Data Location Support  
Quick Reference Guides

### Training

Courses  
User Guides

### Information

About EDMS  
FAQs  
System Requirements



# ENGINEERING DRAWING CONTROL CENTER

[HOME](#)[EDRS MENU](#)[EDCC SEARCH](#)[TEMPLATES & DOCUMENTS](#)[ACCOUNT OPTIONS](#)[FEEDBACK](#)

**Welcome, Louiscioletti**

[Quit EDCC](#)

**On Sept. 24th, EDCC/EDRS will switch from eAuth to NDC for authentication. Following this change, all users will be prompted to login using their NDC (Windows) username/password before accessing the application.**

### *Authorized users only*

[Order Manually Released Copies](#)

[EDRS File Compatibility](#)

[EDRS User Manual](#)

[Request Drawing Numbers](#)

[Download Additional Software](#)

[Vendor Drawing Change Utility](#)

### *EDCC Public Options*

[Create Account Request](#)

[Links to Other Drawing Sites](#)

[Contact Us](#)

[Account Provisioners By OPR](#)

[EDCC Maintenance Schedule](#)

### *External Tools*

[Adlib PDF Conversion Utility](#)

[idMAX](#)

[Cage Code Search \(BINCS\)](#)



# QUALITY MANAGEMENT SYSTEM

Search QMS



Home

Quality Systems Panel

QMS Documents

Audits

CA/PA

Who To Call

Lessons Learned

Knowledge Online

Lean 6 Sigma

Quality System Management Review (QSMR)

Center Director Metrics

QPID Application

Open QPID Report

3-Year Audit Plan

Training

Process Modeling

Resources



- QMS Core Directives
- JSC Directives
- Additional Documents
- Organization Master Lists
- Master List Custodian Tools
- Master List Search



## Johnson Space Center Quality Policy

To provide products and services that meet or exceed all customer requirements.

perform, improve, cost, and schedule.

### SEPTEMBER 2011



No events scheduled yet for September

S	M	T	W	T	F	S
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	

### Certificates



[Web Accessibility and Policy Notices](#) | [JSC Home](#)

Responsible NASA Official: [Jean E. \(Jeanie\) Engle](#)

Curator: [Orlando Bongat](#)

[Site Administration](#)

Last Modified: 02/03/2011

## Organizational Master List : Organizational Master List:SA

[Return to the Organizational Master List Screen](#)

Last Revision Date: 08/25/2011-13:21:30

This version posted by:

### Documents

Doc. Num.	Title	Rev.	Revision Date	PCN & Date	Last Review Date	OPR
SA-WI-001	<a href="#">Space Life Sciences Directorate Master Work Instruction</a>	V	10/01/09	2/19/2010	N/A	SA
SA-WI-010	<a href="#">Software License Management Plan</a>	Basic	09/20/07	N/A	N/A	SA
SA-WI-013	<a href="#">Information Technology Management Plan</a>	Basic	08/01/08	N/A	N/A	SA
SA-WI-014	<a href="#">Project Management of Flight Hardware Developments Work Instruction</a>	Basic	12/01/07	N/A	N/A	SA
SA-WI-023	<a href="#">SLSD DTO. &amp; Payload Selection &amp; Approval Process for Cross-Division Collaborations Work Instruction</a>	Basic	08/02/08	N/A	N/A	SA
JSC 28330	<a href="#">Space Life Sciences Directorate Configuration Control Management Plan</a>	E	11/22/2010	N/A	N/A	SA
JSC 29365	<a href="#">Space Life Sciences Directorate Contingency Action Plan For Space Flight Programs</a>	I	12/1/2010	NA	N/A	SA
JSC-47066	<a href="#">Space Life Sciences Academy Implementation Plan</a>	Basic	4/1/2010	N/A	N/A	SA
JSC-63398	<a href="#">SLSD Risk Management Plan</a>	A	8/2/2009	N/A	N/A	SA
JSC-63557	<a href="#">Net Habitable Volume Verification Method</a>	Basic	4/9/2009	N/A	N/A	SA
JSC-63566	<a href="#">Crew Health Operations Concept for Constellation Missions</a>	A	3/18/2009	N/A	N/A	SA
JSC-63336	<a href="#">Configuration Management Plan for Flight Products</a>	Basic	4/1/2009	N/A	10/1/2010	SA

# JSC/Space Life Sciences Directorate (SLSD) Interfaces

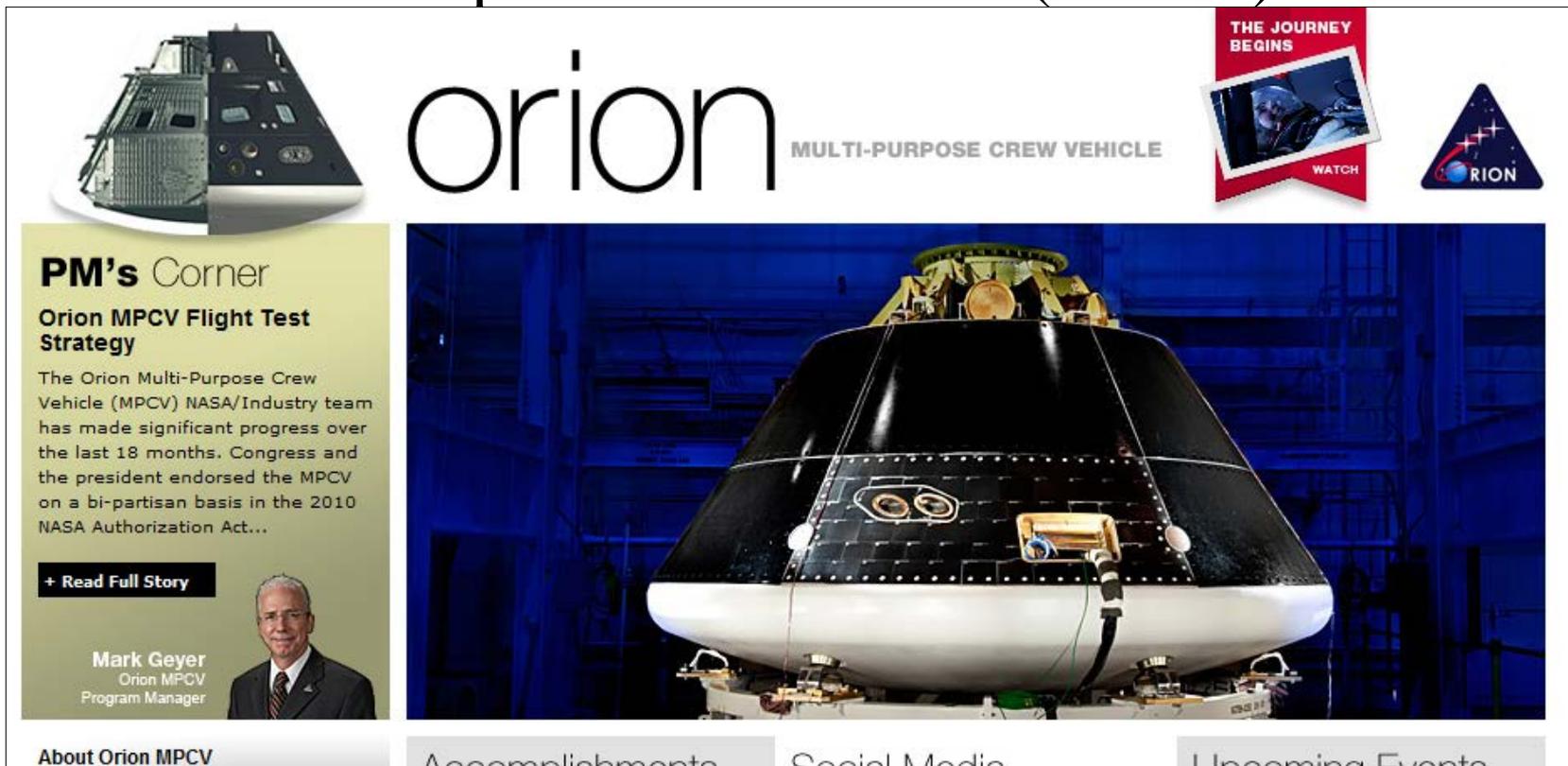
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- CM Support to the SLSD (continued)
  - Commercial Crew/Cargo Program
    - Blue Origin, Boeing, Space Exploration (Space-X), Sierra Nevada, Orbital Sciences



# JSC/Space Life Sciences Directorate (SLSD)

- CM Support to the SLSD (continued)
  - Multi-Purpose Crew Vehicle (MPCV)/Orion



The banner features a top navigation bar with a green and red gradient. Below it, the word "orion" is written in a large, lowercase, sans-serif font. To the right of the name is the text "MULTI-PURPOSE CREW VEHICLE". Further right is a red ribbon graphic with the text "THE JOURNEY BEGINS" at the top and "WATCH" at the bottom, containing a small image of a person in a space suit. To the right of the ribbon is the Orion logo, a blue triangle with a white star and the word "ORION" below it. On the left side, there is a small image of the Orion MPCV. Below this is a green box with the text "PM's Corner" and "Orion MPCV Flight Test Strategy". The text in the green box reads: "The Orion Multi-Purpose Crew Vehicle (MPCV) NASA/Industry team has made significant progress over the last 18 months. Congress and the president endorsed the MPCV on a bi-partisan basis in the 2010 NASA Authorization Act...". Below this text is a black button with the text "+ Read Full Story". To the right of the button is a small portrait of Mark Geyer, Orion MPCV Program Manager. At the bottom of the banner, there is a large image of the Orion MPCV in a dark blue environment. Below this image are four tabs: "About Orion MPCV", "Accomplishments", "Social Media", and "Upcoming Events".

**orion** MULTI-PURPOSE CREW VEHICLE

THE JOURNEY BEGINS  
WATCH

ORION

**PM's Corner**  
**Orion MPCV Flight Test Strategy**

The Orion Multi-Purpose Crew Vehicle (MPCV) NASA/Industry team has made significant progress over the last 18 months. Congress and the president endorsed the MPCV on a bi-partisan basis in the 2010 NASA Authorization Act...

[+ Read Full Story](#)

**Mark Geyer**  
Orion MPCV  
Program Manager

About Orion MPCV | Accomplishments | Social Media | Upcoming Events



# SLSD CM Administration

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- Bioastronautics Planning System (BPS)
  - A customized electronic tool to conduct Control Board administration, Change Control Management, and to provide support for document and data management.
  - BPS also contains modules for External Program Change Control as well as Concurrence Review for the NASA/JSC Directives Management System (JDMS)

# Bioastronautics Planning System (BPS) – Worklist view



Space Life Sciences Directorate  
Bioastronautics Planning System Configuration Management



My WorkList
My Account
Admin
Board Admin
External Admin

Users' Guides  
[Request Board Access](#)

Currently working on behalf of:  [Change Identities](#)

**WorkList for Lou A Cioletti (732783751)** Page Help ?

Map	Activity Name	Number	Title	Date Assigned	CCB Date	Date Due
	CM Review CR	TBD	Baseline Digital Astronaut Science Plan	Sep 22, 2011 11:03 AM		
	Create Directive	SLSDCR-SMCCB-11-017-R1	Revised title:In-flight medical evaluation for exploration missions - A guide for development of future capabilities. (Previous title: Preliminary proposal for in-flight medical evaluation requirements for exploration missions)	Sep 21, 2011 4:31 PM		
	Create Directive	SLSDCR-SMCCB-11-023	Retire JSC 13956 Rev.J Medical Operations Requirements Document for Shuttle and Related Short Duration Mission MRIDs	Sep 21, 2011 4:28 PM		
	Create Directive	SLSDCR-SMCCB-11-022	Revise MEDB 1.1 Crew Surgeon Clinical Assessment to Reflect Test Dates in the MED Volume B	Sep 21, 2011 4:28 PM		
	Create Directive	SLSDCR-SMCCB-11-021	ISS Flight Surgeon Certification Guide Revision B	Sep 21, 2011 4:27 PM	Sep 08, 2011 11:00 AM	
	Create Directive	SLSDCR-SMCCB-11-019	Revise MEDB 2.4 Methicillin Resistant Staphylococcus aureus (MRSA) Screening and Suppression to Conform With MED Volume B Test Schedule	Sep 21, 2011 4:27 PM	Aug 25, 2011 11:00 AM	
	Create Directive	SLSDCR-SMCCB-11-020	Retire Current Certifications of Health Maintenance System (HMS) Ambulatory Medical Pack (AMP), Advanced Life Support Pack (ALSP) and the HMS Ancillary Support Pack (HASP)	Sep 21, 2011 4:26 PM	Aug 25, 2011 11:00 AM	
	Create Directive	SLSDCR-SMCCB-11-018	Revise MEDB 1.3 Private Medical Conference to Reflect Schedule Requirements in the ISS MORD and the MED Volume B	Sep 21, 2011 4:26 PM	Aug 25, 2011 11:00 AM	
	Disposition CR In Board	SLSDCR-HRPCB-11-023	OMB Milestone Baseline - FY12 Changes & FY13 HRP	Sep 20, 2011 5:00 PM	Sep 22, 2011 1:00 PM	
	Disposition CR Out of Board	SLSDCR-HSRB-09-025-R1	Change the Risk Statement and Risk Context for MRL #07 (ExMC Risk)	Sep 09, 2011 5:00 PM		
	Disposition CR In Board	SLSDCR-HRPCB-11-019-R1	HRP ISS Utilization Plan to Revision A	Sep 05, 2011 5:00 PM	Dec 22, 2011 1:00 PM	
	Evaluate CR Optional	SLSDCR-HSCB-11-002	Update JSC HMTA Implementation Plan and HMTA Board Charter	Aug 25, 2011 9:48 AM	Oct 05, 2011 9:00 AM	Sep 22, 2011 5:00 PM

Total of 12 Items
Last synchronized 4:43:45 PM CDT

# SLSD Boards and Panels - BPS



Space Life Sciences Directorate  
Bioastronautics Planning System Configuration Management

[My WorkList](#)
[My Account](#)
[Admin](#)
[Board Admin](#)
[External Admin](#)

[Users' Guides](#)  
[Request Board Access](#)

## CCB Support

### Create Directives and Action Items

Type	Description
<b>Directive</b>	Create a new Directive starting with a blank Directive form.
<b>Action Item</b>	Create a new Action Item starting with a blank Action Item form.

### CCB Schedules, Agendas, and Minutes

CCB	Description
<b>BIMCB</b>	Business and Institutional Management Control Board
<b>BPSCMCB</b>	BPSCM Control Board
<b>CPHS</b>	Committee for the Protection of Human Subjects
<b>DCB</b>	Directorate Control Board
<b>ExCHIT</b>	Exploration Crew Health Integration Team
<b>FACB</b>	Flight Activities Control Board
<b>FAPCCP</b>	Flight Analogs Project Configuration Control Panel
<b>HACD</b>	Human Adaptation and Countermeasures Division Control Board
<b>HEFD</b>	Habitability and Environmental Factors Division Configuration Control Board
<b>HHC_CB</b>	Human Health and Countermeasures Control Board
<b>HMTA</b>	Health and Medical Technical Authority
<b>HRPCB</b>	Human Research Program Control Board
<b>HSCB</b>	Human System Control Board
<b>USDB</b>	Human System Risk Board

# Similarly ...ISS Boards and Panels

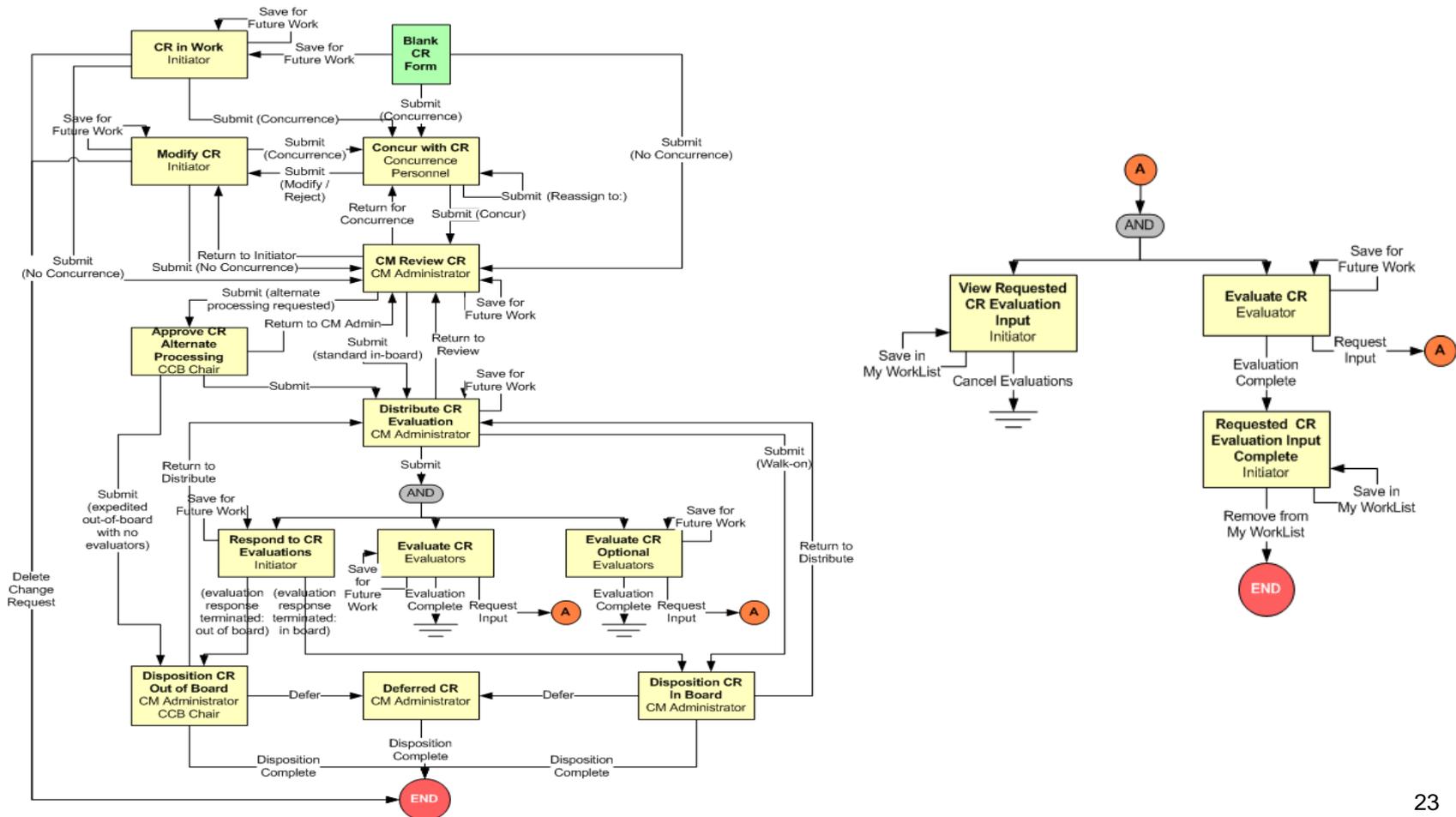
## INTERNATIONAL SPACE STATION PROGRAM CONTROL BOARDS & PANELS

[Program Reviews](#) (ARB, SORR, SDOM, FRR, IMPR, etc.)  
[Program Risk Advisory Board \(PRAB\)](#)

Central Standard Time

Monday	Tuesday	Wednesday	Thursday	Friday
<p>8:00 - <a href="#">IMMT</a> - 30M/118, 119 ISS Mission Management Team</p> <p>9:30 - <a href="#">CRCP</a> - SCTF/2043 Computer Resources Control Panel (Every other Monday)</p> <p>12:00 - <a href="#">VCB</a> - 4S/4419 Vehicle Control Board</p> <p>1:00 - <a href="#">MERB</a> - KSC Material and Engineering Review Board</p> <p>1:00 - <a href="#">AEP</a> - Boeing Tower II CR 3200 Avionics Equipment Panel (1st &amp; 3rd Mondays each month)</p> <p>3:00 - <a href="#">ISS-CCP-JPRCB</a> - 1/511 ISS- CCP-Joint Program Requirements Control Board</p> <p>3:30 - <a href="#">JPRCB</a> - 1/602</p>	<p>8:00 - <a href="#">ISS Ops Tag-up</a> - 30/225C ISS Mission Management Team</p> <p>8:45 - <a href="#">MIP</a> - 4S/4519 MSS Integration Panel</p> <p>9:00 - <a href="#">SSPCB</a> - 1/511 Space Station Program Control Board</p> <p>02:00 - <a href="#">T&amp;VCP</a> - 4S/4100 Test &amp; Verification Control Panel</p> <p>3:00 - <a href="#">JSAP</a> - 4S/646C Joint Software Assurance Panel</p>	<p>6:00 - <a href="#">MMIOCB</a> - 4S/4519 Multilateral Mission Integration and Operations Control Board (2nd Wed. of the month)</p> <p>6:00-8:00 - <a href="#">ICMT</a> - 4S/3419 International Configuration Management Team (2nd Wednesday of Month)</p> <p>8:30 - <a href="#">PICB/MPICB</a> - 4S/4419 Program Integration &amp; Multilateral Program Integration Control Boards</p> <p>9:00 - <a href="#">RIP</a> - 4S/4519 Requirements Integration Panel</p> <p>10:00 - <a href="#">JMIBC</a> - 1/602C (2nd &amp; 4th Wednesday)</p> <p>1:00 - <a href="#">ASCB</a> - SCTF/2043 Avionics Software Control Board</p> <p>1:00 - <a href="#">PCB/MPCB/BPCB</a> - 4S/4419 Payloads, Multilateral &amp; Bilateral Payloads Control Board</p> <p>1:00 - <a href="#">S&amp;MACB</a> - 4S/4519 Safety &amp; Mission Assurance Control Board</p> <p><a href="#">SSCB</a> Space Station Control Board (Quarterly)</p>	<p>7:00 - <a href="#">MASC</a> - SCTF/2043 Multilateral Avionics Software Control Board (3rd Thursday of Month)</p> <p>7:30 - <a href="#">MVCB</a> - 4S/4419 Multilateral Vehicle Control Board</p> <p>8:00 - <a href="#">IMMT</a> - 30/225C ISS Mission Management Team</p> <p>9:00 - <a href="#">VSP</a> - 4S/1419 VIPER/Strategic Planning, Assembly, Reqs. &amp; Configuration (SPARC) Panel</p> <p>9:00 - <a href="#">TICB</a> - 4S/4519 Transportation Integration Control Board</p> <p>11:00 - <a href="#">DSSR</a> - 1/511 Daily Space Station Review</p> <p>1:00 - <a href="#">SECB</a> - KSC Support Equipment Control Board</p> <p>1:00 - <a href="#">L&amp;MCP</a> - 4S/4419 Logistics &amp; Maintenance Control Panel</p> <p>1:00 - <a href="#">MERB</a> - KSC Material &amp; Engineering Review Board</p> <p>1:00 - <a href="#">MIOCB</a> - 4S/4519 Mission Integration and Operations Control Board</p>	<p>8:00 - <a href="#">ISS Ops Tag-up</a> - 30/225C ISS Mission Management Team</p> <p>8:30 - <a href="#">SWG</a> - 4S/3419 System Working Group</p> <p>9:00 - <a href="#">CSR</a> - 4S/4419 Change Screening Review</p> <p>1:00 - <a href="#">IMPR</a> (links to ISS MIS) - 1/511 ISS Monthly Program Review (date varies - see <a href="#">calendar</a>)</p>

# Bioastronautics Planning System (BPS) – Change Control Process



# Bioastronautics Planning System (BPS) - CR Types

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- Blank Change Request
  - Ability to create and submit a new Change Request starting with an empty form
- “Based On” Change Request
  - Ability to create and submit a new Change Request starting with inputs from an existing CR to elevate from Division to Directorate Boards
- Revision Change Request
  - Ability to submit a revision to a previously approved CR

# How does the SLSD change process work?

- ❑ Open the appropriate CR form in BPS
- ❑ Complete required entries, add attachments (docs, from-to matrix, etc.) and determine if in-board or outside of board (alternate processing)

(\* = required fields) Page Help ?

<b>1. CR NUMBER:</b> TBD <b>BASED ON:</b> SLSDCR-HRFP-05-002	<b>SPACE LIFE SCIENCES DIRECTORATE</b> <b>CHANGE REQUEST (CR)</b>	<b>2. CR DATE:</b> 04/04/2006 03:41 PM <b>3. NEED DATE:</b> <i>(example: 05/01/2003)</i>
<b>* 4. CR TITLE:</b> new CR	<b>* HRFP:</b> <input type="text" value="HRFP"/>	<b>5. * INITIATOR:</b> Chair, HRFP <b>* MAIL CODE:</b> <input type="text"/> <b>* PHONE:</b> <input type="text"/> <b>* E-MAIL:</b> shetheri@tietronix.com
<b>6. CR TYPE:</b> <input type="text" value="Generic"/> <b>IF OTHER, specify:</b> <input type="text"/>	<b>7. MISSION EFFECTIVITY:</b> Generic <input type="text"/> Inc 2 <input type="text"/> Inc 3 <input type="text"/>	<b>8. HARDWARE PAYLOAD:</b> <input type="text"/>
<b>10. RELATED CHANGES:</b> <input type="text"/>	<b>9. END ITEM AFFECTED (NOMENCLATURE, P/N, S/N):</b> <input type="text"/>	
<b>11. DOCUMENTATION AFFECTED (ATTACH FROM-TO DATA):</b> <input type="text"/>		

Continued ...

# How does the SLSD change process work?

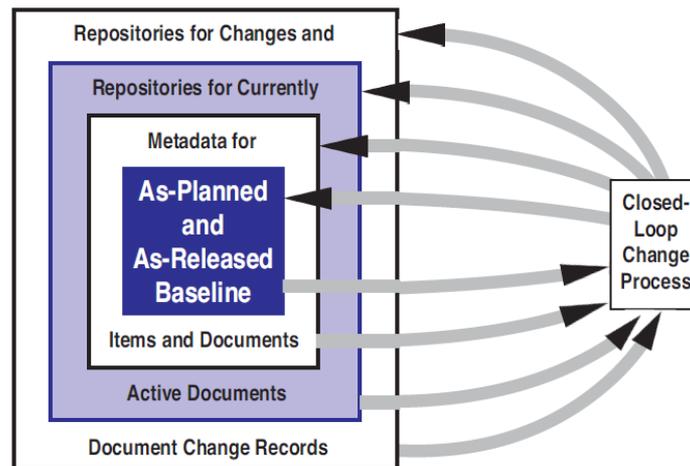
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- CM Administrator conducts CR review
  - Attachments, evaluators, CR due date, board date (if in-board), reminder notices, CR close date, etc.
- Initiator may request a Concurrence Review before formal distribution
- CR distributed for evaluation
  - Standard – 2 week review
  - Expedited – next scheduled board meeting

Continued ...

# How does the SLSD change process work?

- CR returns to CM Administrator's worklist
- Initiator prepares formal CR presentation
  - Electronic copy attached to CCB agenda
- CR is formally dispositioned at the CCB
- CM Administrator prepares CR Directive and any necessary action items to close the CR



Closed-loop process  
maintained!

# SLSD CM Metrics

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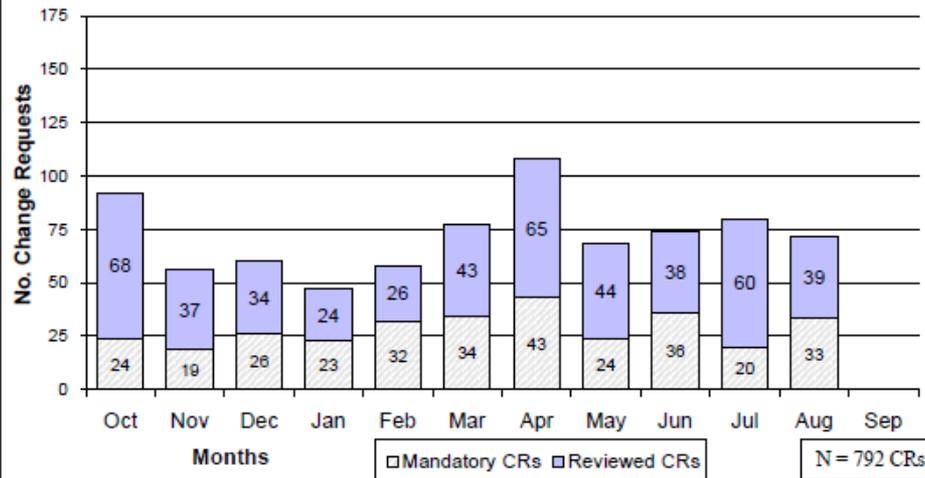
- BPS internal and external reports provide data for data capture and analysis
- Monthly CM Quad reports generated on ....
  - External CR Activity
  - External CR Performance Report
  - SLSD Board Activity Report
  - SLSD Outside-of-Board (OSB) Activity Report
  - SLSD Meetings Support Activity Report
  - SLSD Meeting Minutes Performance Report

# SLSD CM Metrics

## SA Configuration Management



Fiscal Year 11 Processed External Change Requests  
August 2011



**PURPOSE:**

This metric depicts the quantity, type, and disposition of external CRs processed during this fiscal year.

**GOAL:**

To identify the quantity, types and sources by which external CRs are received at the SA CM Receipt Desk and subsequently dispositioned following SA evaluation.

**METRIC DATA DESCRIPTION**

**Definition:**

The bar graph at the left identifies total number of external CRs reviewed each month; mandatory (SA) CRs are shown separately.

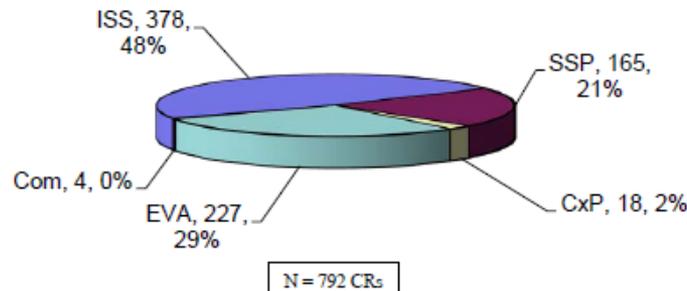
The lower left pie chart shows percent of all CR types by external source for the fiscal year to date.

Lower right pie chart shows the disposition of all the SA mandatory CRs, by fiscal year-to-date.

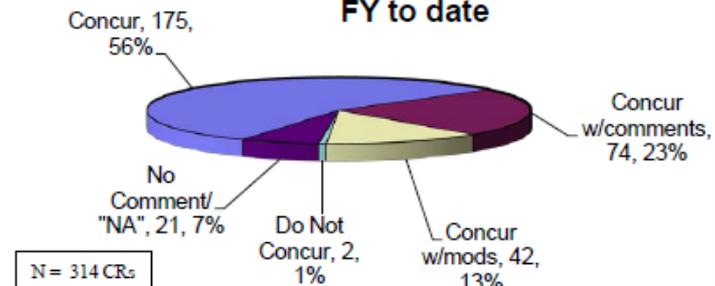
**Metric Analysis:**

Total external CRs (72) dropped slightly, but mandatory CRs rose to 33. ISS dominated all CRs with 48% of the yearly total. Total CRs averaged 72 per month with mandatory CRs at 28 per month. Most (56%) of all CR dispositions were "Concur".

All Change Requests by Type  
FY to date

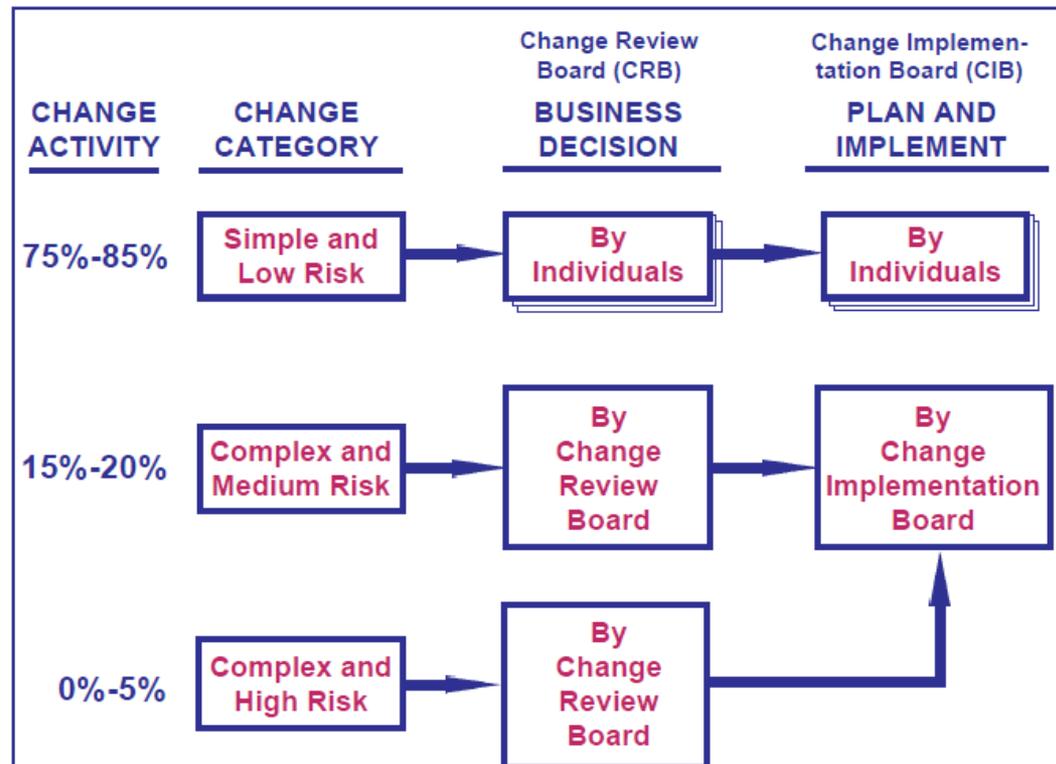


Change Requests by SA Disposition  
FY to date



# SLSD CM and Fast-track changes

- For FY 11:
  - 89% of Changes dispositioned outside of the SLSD boards (includes external program CRs and organizational directives)



# SLSD CM Homepage

## SA CM – Configuration Management

SA NAV

[About SLSD](#)

[Boards](#)

[SA CM](#)

[Tools](#)

[Safety](#)

[QMS](#)

[Flight Related](#)

[Export Control](#)

[Risks](#)

The [SLSD Configuration Management Homepage](#) has been developed to establish a dedicated site for [SLSD Configuration Management Activities](#) and to give the users a window into all [SLSD CM areas of support](#).

**BPSCM**

Bioastronautics Planning System Configuration Management - the main tool used by the SA CM group to process Actions, Directives, Change Requests and administer control board operations within Space Life Sciences.

### SLSD Boards & Panels

◊ [SLSD Hierarchy Chart](#)

#### Directorate

- ◊ [HSCB](#)
- ◊ [HRP CB](#)
- ◊ [FACB](#)
- ◊ [BIM CB](#)
- ◊ [HMTA](#)

#### Directorate Support

- ◊ [SMP](#)
- ◊ [ISSMP CCB](#)
- ◊ [ITPP](#)
- ◊ [HSRB](#)

#### Division

- ◊ [SM CCB](#)
- ◊ [HEFD CCB](#)
- ◊ [HACD CB](#)
- ◊ [FAP CCP](#)
- ◊ [HHC CB](#)

#### Archived Boards

- ◊ [DCB](#)
- ◊ [BERTCB](#)
- ◊ [SCxCB](#)
- ◊ [ExCHIT](#)
- ◊ [SA Ops Tag](#)

### Calendar

- ◊ [CM Calendar](#)
- ◊ [Internal Weekly Meeting Matrix](#)

#### Reports & Metrics

- ◊ [Performance Metrics](#)
- ◊ [External CR Mandatory Evaluators](#)
- ◊ [Screening Group Report](#)
- ◊ [ISS Life Cycle Status](#)
- ◊ [SSP Life Cycle Status](#)
- ◊ [EVA Life Cycle Status](#)
- ◊ [CxP Life Cycle Status](#)

#### Reference Documents

- ◊ [SLSD QMS Master List](#)

### Forms & Templates

- ◊ [Forms & Templates](#)

#### Action Tracking

- ◊ [Internal \( BPS CM \)](#)

#### Applications & Tools

- ◊ [BPS CM](#)
- ◊ [EDMS](#)
- ◊ [COSMOS](#)
- ◊ [Shuttle CRs](#)
- ◊ [ISS CRs](#)
- ◊ [EVA CRs](#)

#### Flight Hardware/Software

- ◊ [EHS](#)
- ◊ [HMS](#)
- ◊ [Radiation](#)

# SA

### CM INFORMATION

[SLSD CM Home](#)

[SLSD Hierarchy Chart](#)

[CM Calendar](#)

[SLSD Board Charters](#)

[What's New!](#)

[Points of Contact List](#)

[Customer Survey Form](#)

[Contact SA CM Receipt Desk](#)

# SLSD Next Steps

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- Development and production of a new BPS-Review Item Dispositions (RID) Module
  - Designed to provide end-to-end support to project teams for various types of reviews such as SRR, PDR, CDR, SAR, etc.
- Development of CM collaboration site in Sharepoint to replace the current CM homepage
  - In work as part of a larger SLSD effort toward innovation



## Configuration Management

Configuration Management

IT Support ▾

This Site: Configuration ▾

### Pictures

Image Library (Public)

Image Library  
(Restricted)

### Documents

Team Documents

Slide Library

### Lists

Calendar

Tasks

### Discussions

Team Discussion

### Sites

People and Groups

Recycle Bin

All Site Content

Configuration Management

### Announcements

#### Migration to Sharepoint 2010

by Cioletti, Louis (JSC-SA4)[WYLE INTEG. SCI. &amp; ENG.]

6/22/2011 8:29 AM

SLSD CM Team Site was migrated to Sharepoint 2010 on 22 June 2011 and these new capabilities will improve the communication among CM staff members as they become more familiar with this new tool.

#### CM Team Site Introduction

by Cioletti, Louis (JSC-SA4)[WYLE INTEG. SCI. &amp; ENG.]

3/15/2011 8:55 AM

The SLSD Configuration Management Team Site has been developed to establish a dedicated site for SLSD Configuration Management Staff to use as a vehicle for interaction, communication, and information-sharing regarding all SLSD CM areas of support....

[Add new announcement](#)

### Calendar

- |                     |  |
|---------------------|--|
| 9/27/2011 10:00 AM  | <a href="#">CM Weekly Staff Meeting</a><br>CM Staff members gather to discuss pertinent activities and assignments and actions that affect CM duties for the week and weeks ahead. |
| 10/4/2011 10:00 AM  | <a href="#">CM Weekly Staff Meeting</a><br>CM Staff members gather to discuss pertinent activities and assignments and actions that affect CM duties for the week and weeks ahead. |
| 10/11/2011 10:00 AM | <a href="#">CM Weekly Staff Meeting</a><br>CM Staff members gather to discuss pertinent activities and assignments and actions that affect CM duties for the week and weeks ahead. |
| 10/18/2011 10:00 AM | <a href="#">CM Weekly Staff Meeting</a><br>CM Staff members gather to discuss pertinent activities and assignments and actions that affect CM duties for the week and weeks ahead. |
| 10/25/2011 10:00 AM | <a href="#">CM Weekly Staff Meeting</a><br>CM Staff members gather to discuss pertinent activities and assignments and actions that affect CM duties for the week and weeks ahead. |

### Contact D

- [SLSD CM Cioletti, Louis \(JSC-SA4\)\[WYLE INTEG. SCI. & ENG.\]](#)

### Links

- [Access to](#)

- [Add ne](#)

# Conclusion

Despite program cancellations, reorganizations, and budget reductions, Configuration Management (CM) at NASA/JSC, Space Life Sciences Directorate (SLSD) continues its broad level of professional and technical support that is more important now as future flights will take us to the far reaches of our Solar System.



# Special Thanks to ....

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- SLSD CM Team:
  - Maria (Irma) Williams
  - Vanessa Tilley-Chaudoin
  - Jeff Woods-Bernardine
  - Stacy Grace
  - Suzanne Miller
- NASA Personnel
  - Janice Hall, NASA/SLSD BIM Chief
  - Betty Ann Wallis, NASA/CM Technical Monitor