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# **NASA/Goddard Space Flight Center Supply Chain Management Program**

**Michael P. Kelly**

**Chief, Institutional Support Office, Code 302**

**NASA/GSFC Safety and Mission Assurance Directorate**

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**Presentation to**

**PM Challenge**

**February 10-11, 2011**





# NASA GSFC Facilities

GSFC - Greenbelt, Maryland  
Wallops Flight Facility, Virginia  
IV&V Facility, West Virginia  
Goddard Institute for Space Studies, New York  
White Sands Ground Station, New Mexico



Greenbelt



WSGS



WFF



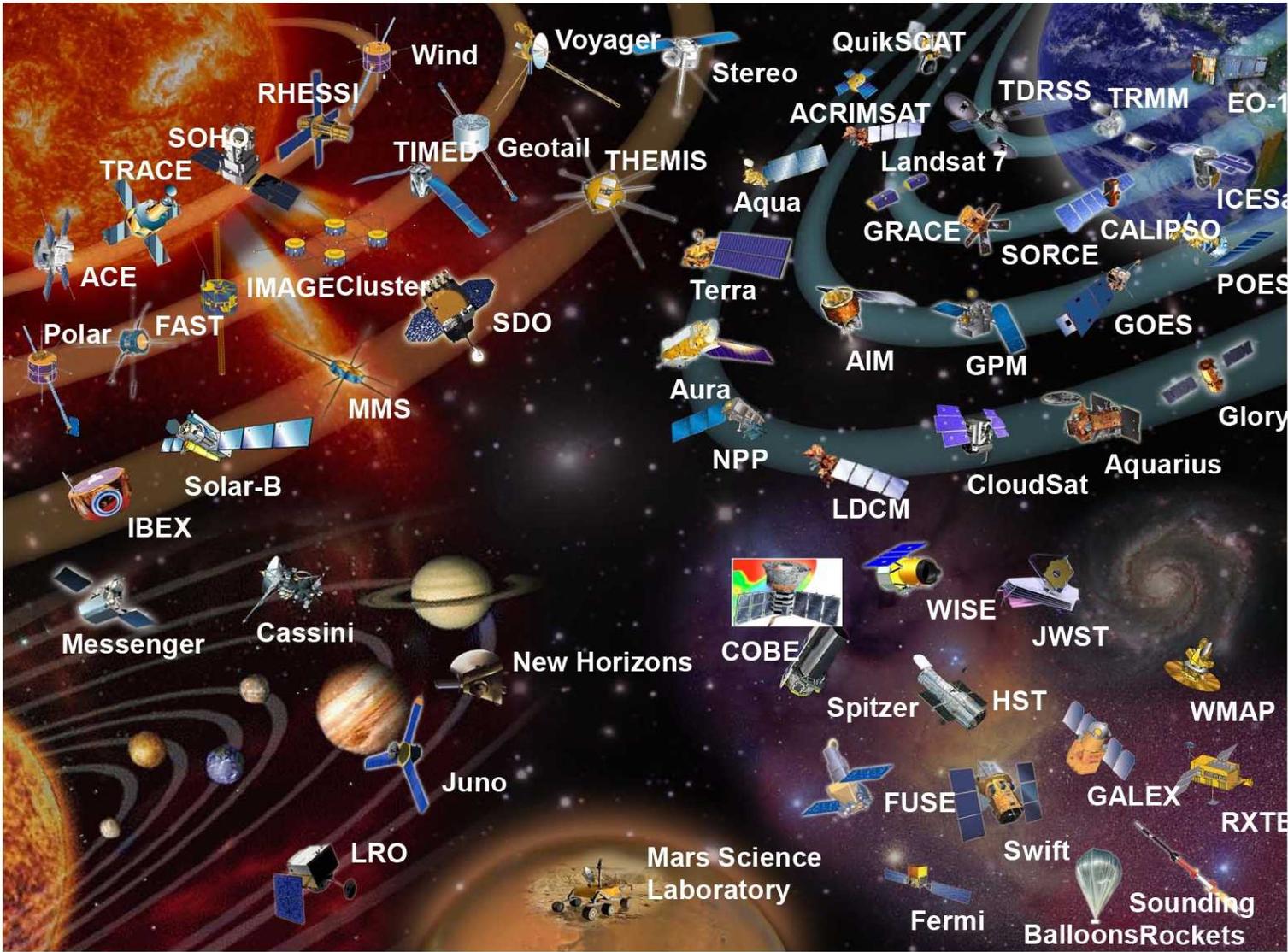
GISS



IV&V

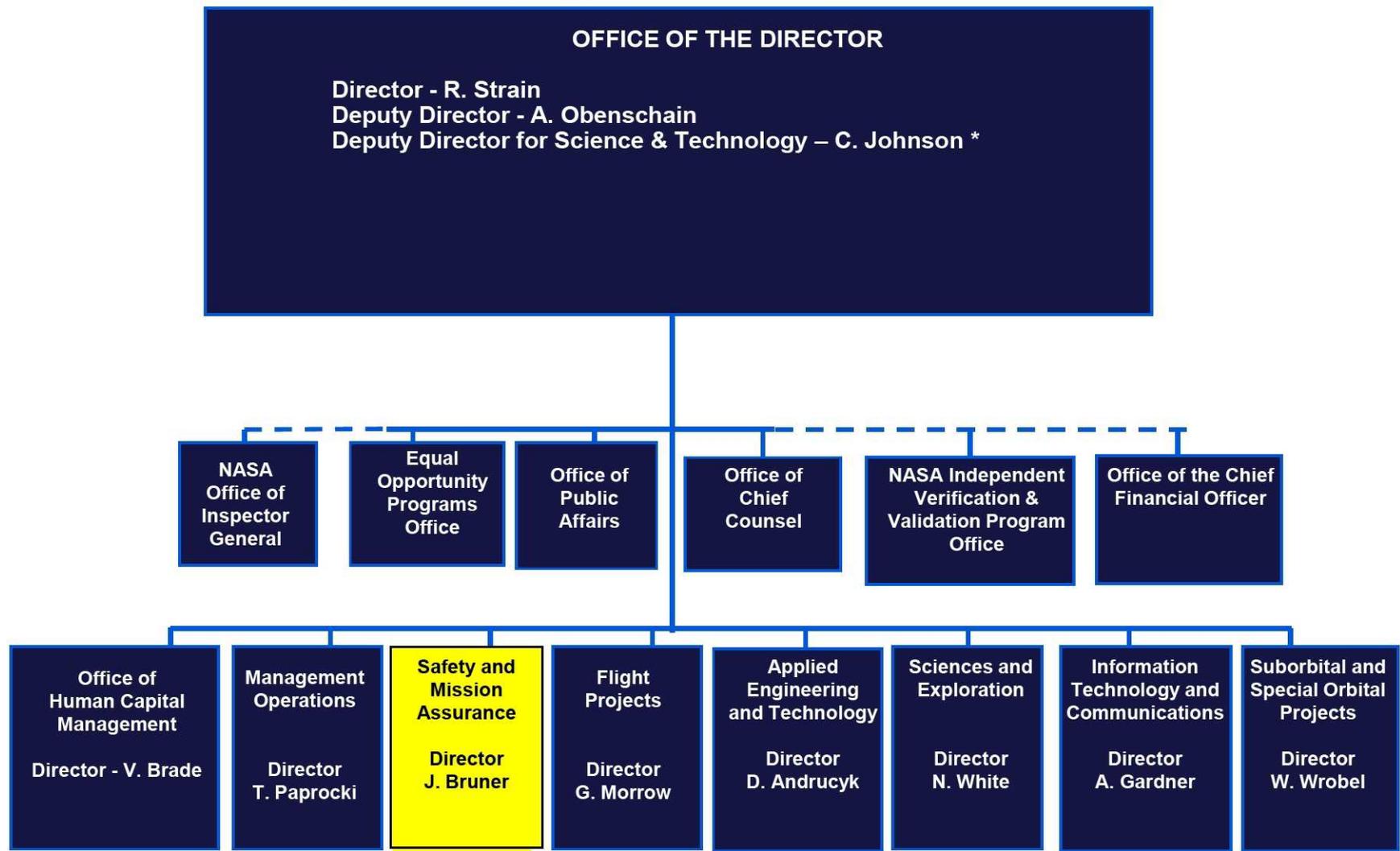


# NASA GSFC Diverse Mission Portfolio



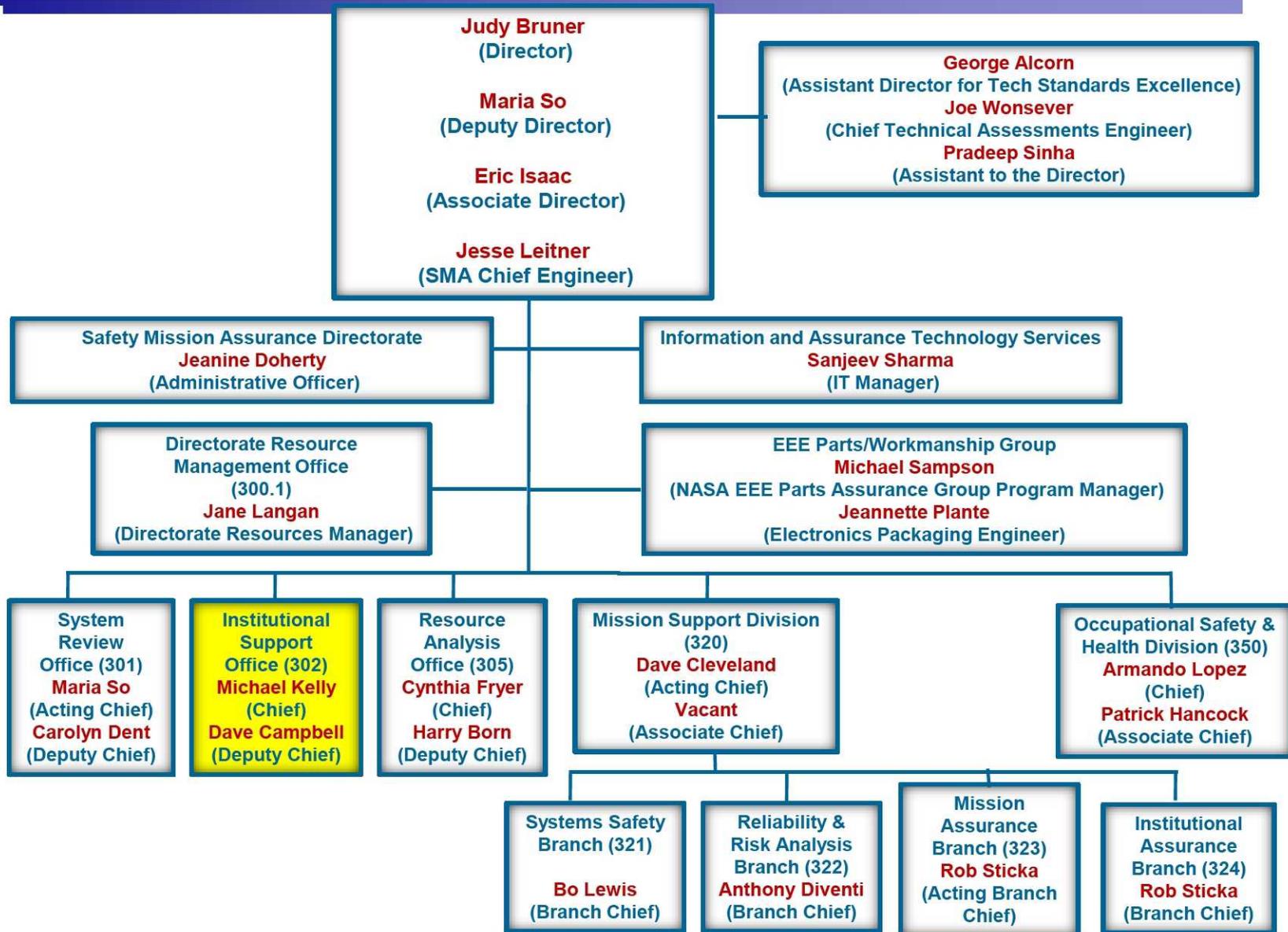


# NASA GSFC Organization



\* 12/03/2010 Christyl Johnson recently assumed position

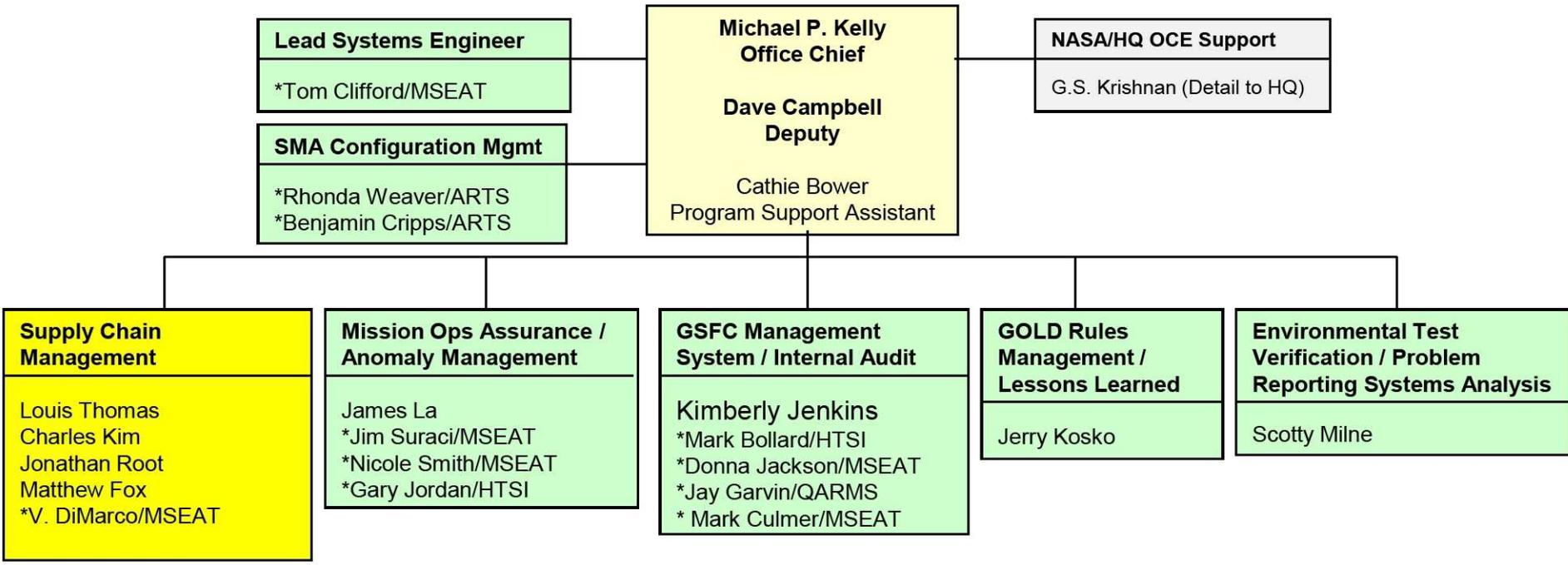
# SAFETY AND MISSION ASSURANCE (SMA) CODE 300





# Code 302 Institutional Support Office Organization

12/03/2010



\*Contractor



# Goddard Supply Chain Management Team



Left to right: Mike Kelly, Matthew Fox, Louis Thomas, Jonathan Root



# Goddard Supply Chain Management Team



**Supply Chain 2009 Conference**

Left to right: Mike Kelly, Jonathan Root, Charles Kim, Louis Thomas



# Goddard Supply Chain Management Team



Left to right: Tom Clifford, Dave Campbell, Vic DiMarco

February 10, 2011



# Supply Chain Management / SMA Functions

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- Conduct supplier assessment and follow-up
- Maintain information resource of supplier assessment results
- Assist assessment / resolution of cross-cutting supplier issues
- Sponsor quality training (e.g. AS9100 quality system, ISO Lead Auditor)
- Manage annual supply chain conference
- Center Technical Liaison for NASA Contract Assurance Services (NCAS)
- Center Focal Point for Defense Contract Management Agency (DCMA)
- Participate in NASA Audit Management Team (NAMT) and Joint Audit Planning Committee (JAPC)



# NASA Policy - NPR 8735.2 A

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- **NPR 8735.2 A - Management of Government Quality Assurance Functions for NASA Contracts (w/change 1, dated 8/9/2010)**
  - 2.5 Quality System Evaluation
    - 2.5.1 The contractor's quality system shall be reviewed to ensure compliance with invoked quality program requirements, including internally developed procedures. ...
      - 2.5.1.1 Quality system evaluation of prime contractors shall be conducted by NASA Centers, delegated agents, or NASA support contractors.....
      - 2.5.1.2 Quality system evaluation of contractors other than prime contractors shall be conducted by NASA Centers, delegated agents, NASA support contractors....



# Selection of Suppliers for Assessment

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- Aerospace “prime” suppliers are assessed every 2 years.
- Lower-tier suppliers are selected for assessment based on multiple considerations:
  - High-Risk or Critical supplier to a GSFC mission
  - “Common” supplier to multiple GSFC missions
  - Supplier issue/concern elevated to the Center Director level
  - Project office request



# Supplier Assessment Objectives/Goals

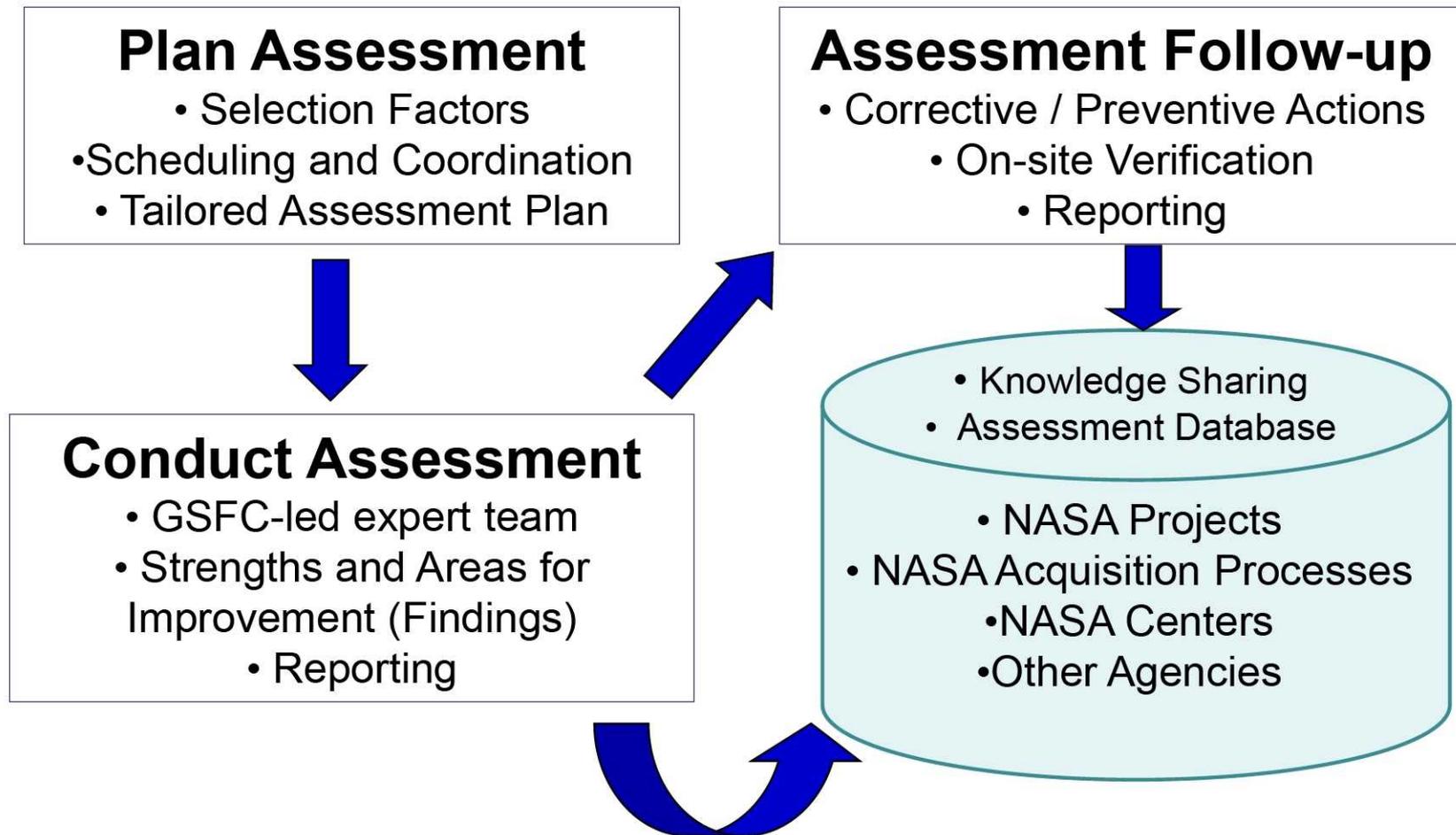
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- Assess the supplier's processes for compliance to:
  - Requirements of ISO9001 or AS9100
  - NASA contractual requirements
  - Requirements of the supplier's internal Quality Management System
  
- The goal of each assessment is to:
  - Identify supplier's strengths
  - Identify areas for improvement
  - Drive effective corrective/preventive actions



# Process Overview

## GSFC Supplier Assessments





## ***Sample Assessment Plan “items to be reviewed”***

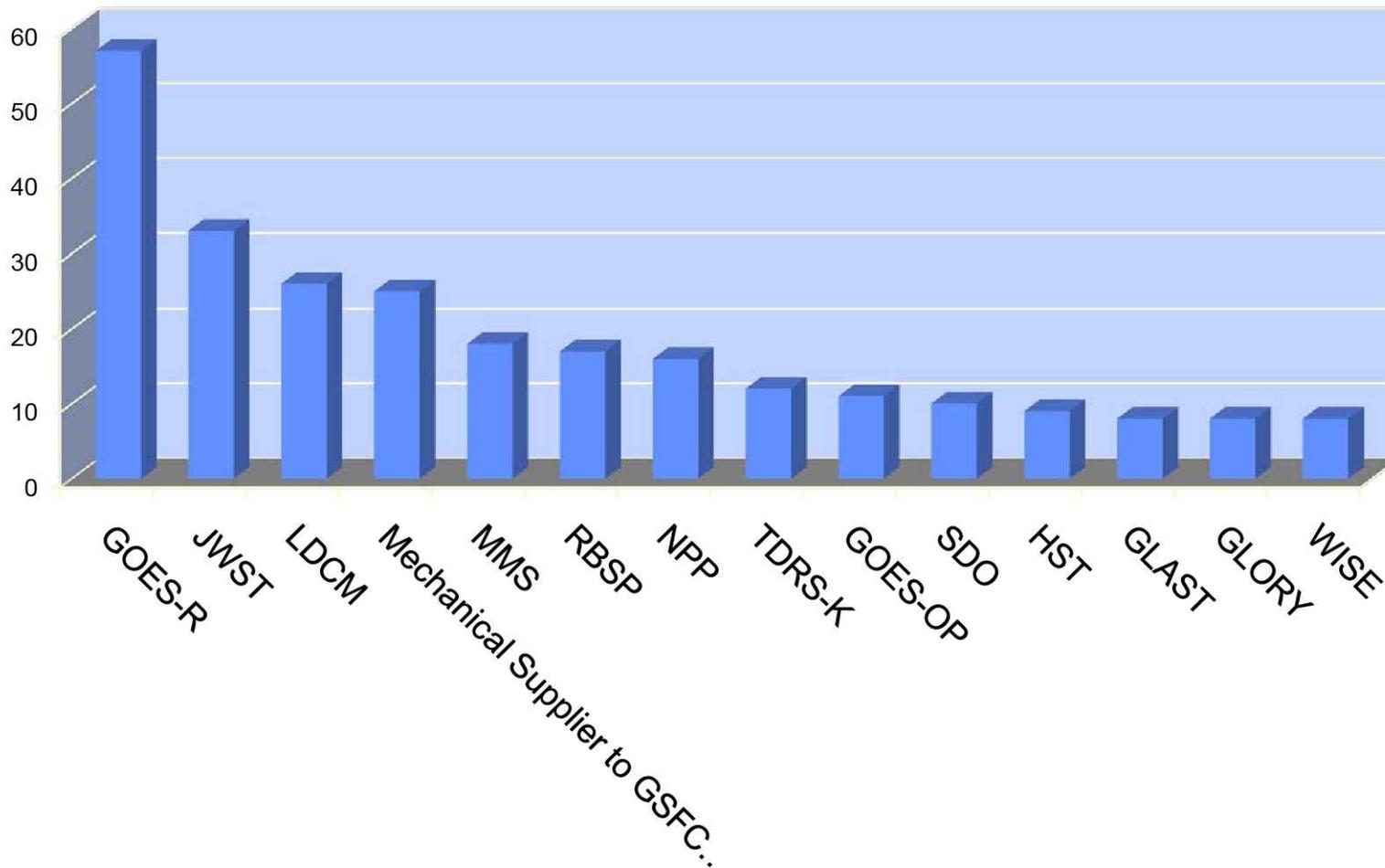
***The following list provides an outline of “some” of the topics the assessment team will review:***

- **Flowdown of contractual requirements**
- **Receiving inspection**
- **Configuration Management / Change Control**
- **Nonconforming product control**
- **Rework and repair processes**
- **Parts sampling, selection, and traceability**
- **Training and Certification of operators/ inspectors/disposition authorities/testers**
- **Process documentation adequacy (work orders, shop aids, drawings, etc.)**
- **Document control**
- **Workmanship and inspection**
- **Travelers, routers and configuration recording**
- **Packaging**
- **Scrap control**
- **Handling**
- **Acceptance Data Packages**
- **Problem Reporting System**
- **Internal Audit**
- **Calibration**
- **GFE**
- **Industrial Safety**
- **System Safety**
- **GIDEP**



# Projects Supported – Jan 2007 - Nov 18, 2010

## Quantity of Assessments vs Project





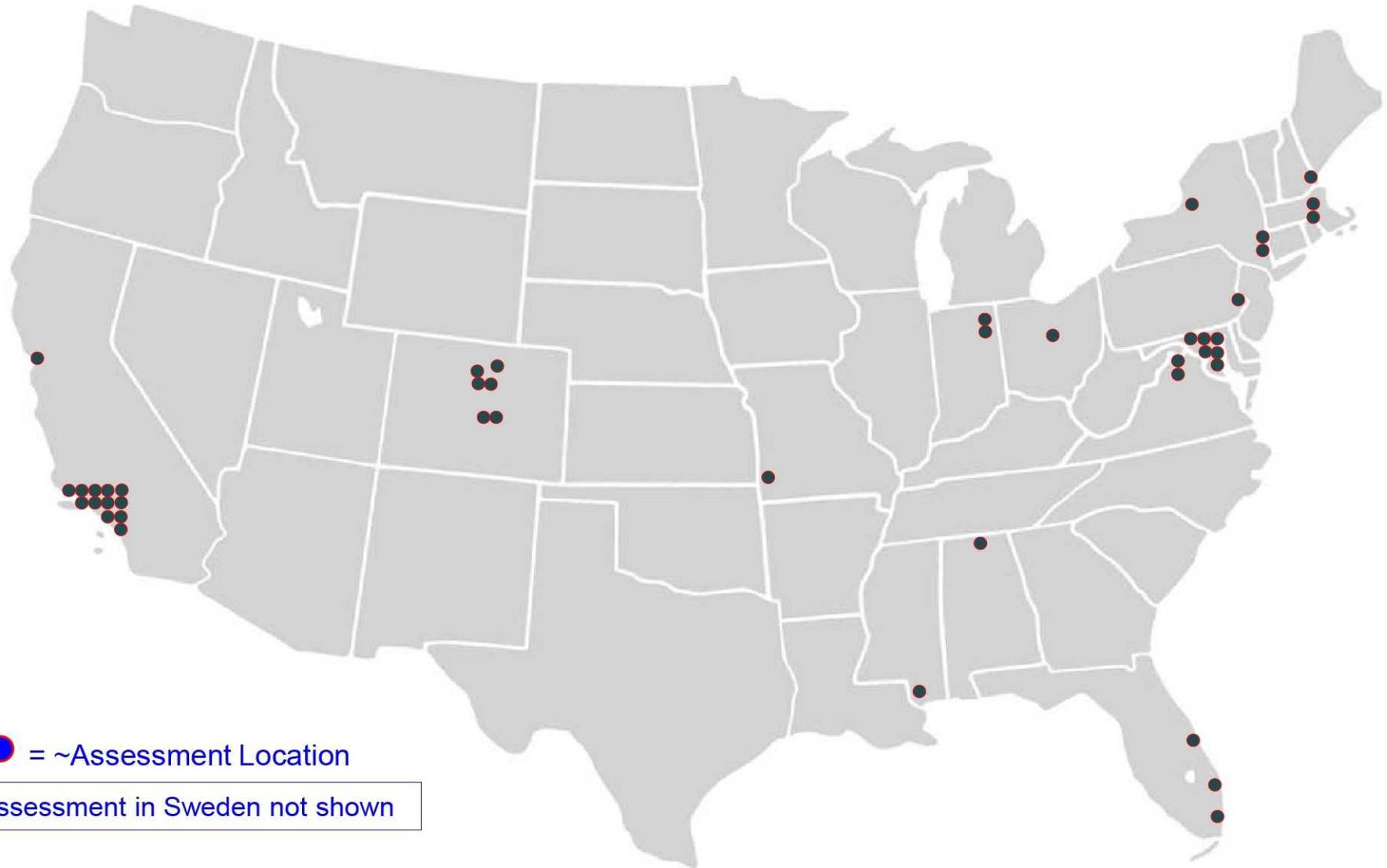
# Types of Suppliers – Jan 2007 - Nov 18, 2010

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<b>Component / Box Level</b>	<b>70 assessments</b>
<b>Primes</b>	<b>45 assessments</b>
<b>PWB / Fastener / Mechanical</b>	<b>33 assessments</b>
<b>Instruments / Universities</b>	<b>26 assessments</b>
<b>Service</b>	<b>3 assessments</b>
<b>TOTAL</b>	<b>177 ASSESSMENTS</b>



# Supplier Assessments FY 2010 ~ Locations





# Supplier Assessment Results

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- Projects use assessment for insight into potential suppliers or into existing suppliers' history/issues/strengths
- Procurement uses assessment for insight into past performance
- Mission Assurance uses assessments for insight into compliance with Quality Management requirements
- Suppliers use assessments to make improvements to operations / production processes



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# How to Obtain all NASA/GSFC Assessments Reports



# Assessment Reports Repositories

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- GSFC Database (Civil Servants only)
  - <http://auditsystem.gsfc.nasa.gov>
- Surveys, Audits, Assessments & Reviews Information Systems (SAARIS)
  - <https://saaris.honeywell.com/>
- Supplier Assessment System
  - <http://sas.nasa.gov/>
- If interested in submitting or receiving a report or in receiving email distribution of GSFC assessments completed/planned, contact Victor DiMarco, 301-286-0713.



# Supplier Assessments

## FY 2011 Plan

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- Perform 50+ assessments throughout the supplier base for GSFC mission projects
  - Primes and lower tiers: systems integrators/developers, and suppliers of subsystems, components, parts and materials
- Coordinate / collaborate with GSFC mission projects, prime contractors, and other NASA centers and federal agencies
- And most importantly .... we will continue to work cooperatively with suppliers to:
  - Produce value-added assessment results
  - Implement effective corrective actions and foster improvements



# Percentage of Findings

January 2008 – YTD



DC = Document Control

C = Contracts

P = Purchasing & Supplier Control

CA = Calibration

SI = Safety, Industrial

T = Training

GP = GIDEP

ED = Engineering Design

R = Records

M = Management

AI = Internal Audits

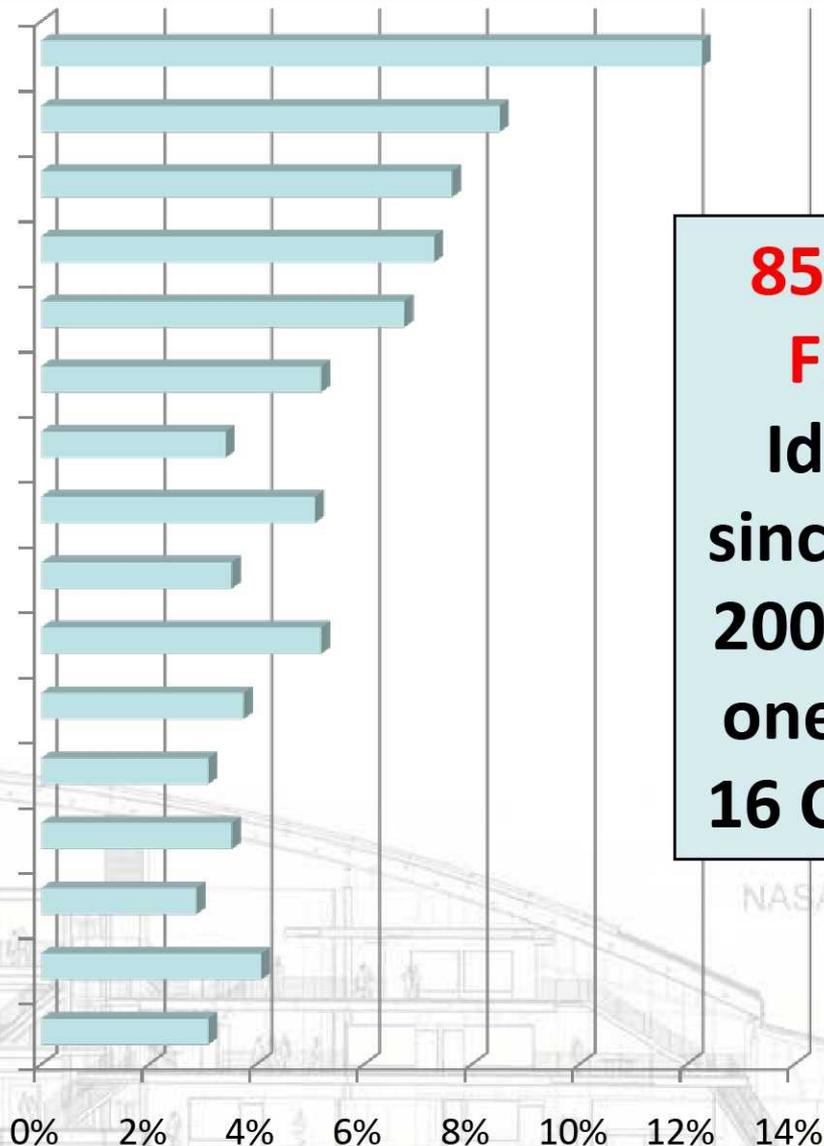
ES = Electrostatic Discharge

Q = Quality

NC = Nonconforming material

CM = Configuration Management

MC = Material Control



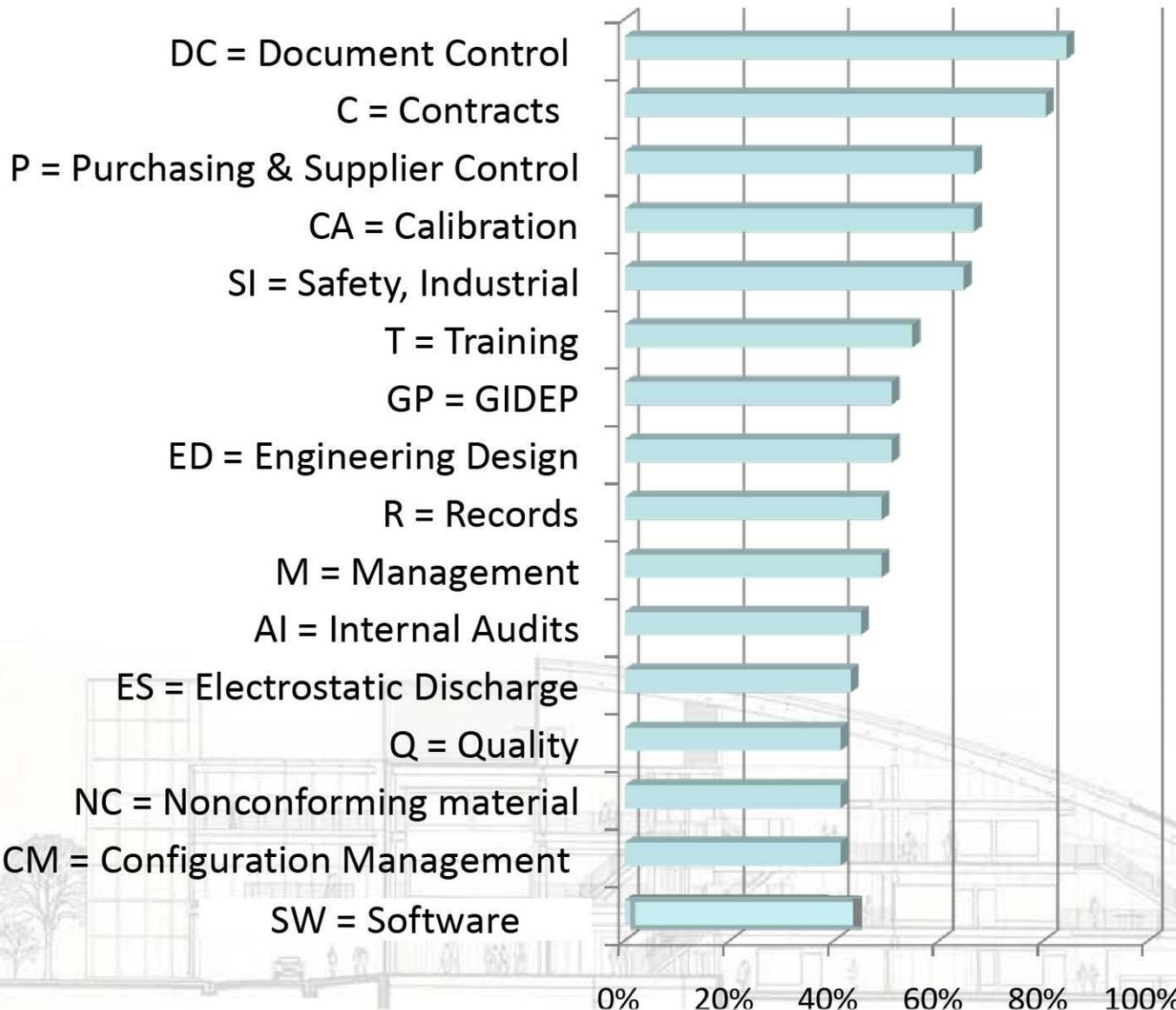
**85% of the Findings Identified since January 2008 fall into one of these 16 Categories**

NASA SAFETY CENTER



# Top 16 Problem Areas

January 2008 – YTD



**Percentage of Assessments With These Categories of Findings**

NASA SAFETY CENTER



# Specific Issues with Top Problem Areas



- **Document Control** – Not following procedures, obsolete references, procedure does not reflect what is actually being done
- **Contracts** – Flow down of contractual requirements within the organization not adequately managed
- **Procurement** – Management of the Purchasing Process, and issues with Purchasing Information
- **Calibration** – Variety of errors based on lack of understanding and following the appropriate calibration standard
- **Industrial Safety** – Personal Protective Equipment (PPE), facility/equipment maintenance
- **Training** – Not to contractual requirements, Records availability/maintenance
- **GIDEP / NASA Advisories** – Unable to identify GIDEP Alerts and NASA Advisories are not received or communicated internally
- **Engineering Design** – ECO & Waiver Processing Problems, Design Change flow-down lacking, Documentation Errors
- **Records** – Inappropriate corrections, forms not being completed, required maintenance/controls not known or understood

NASA SAFETY CENTER

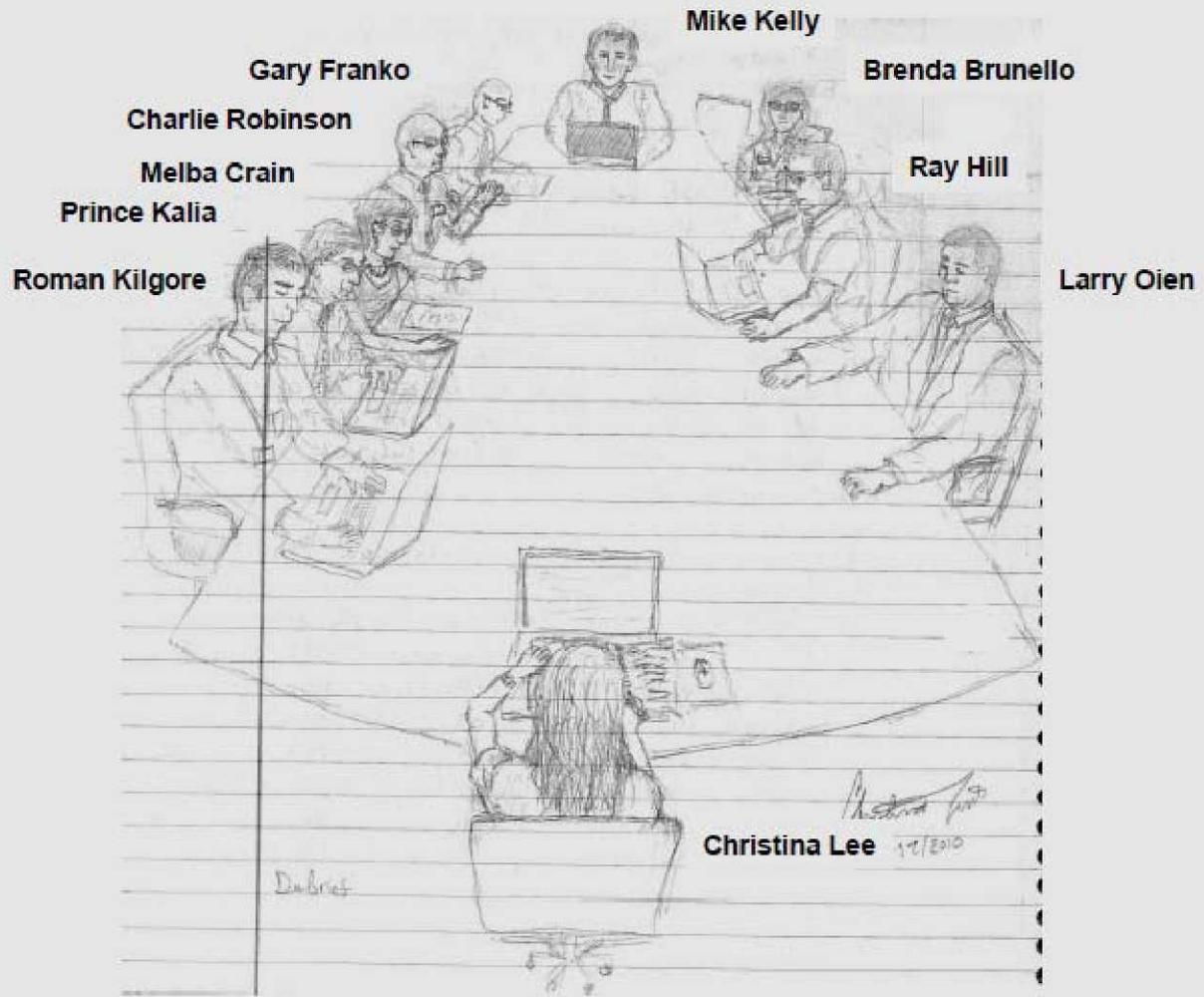
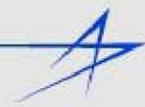


# **Lockheed Martin Space Systems Littleton, CO - August 10-13, 2010 NASA Assessment**

*Left to right:* Brenda Brunello, Christina Lee, Mike Kelly, Melba Crain, Larry Oien, Ray Hill, Charlie Robinson, Roman Kilgore, Prince Kalia, Gary Franko



# NASA Intern's View of the NASA NCAS Assessment Team at the Recent Denver Assessment



# THE JOHNS HOPKINS UNIVERSITY APPLIED PHYSICS LABORATORY



## **Johns Hopkins University, Applied Physics Laboratory**

**July 13-16, 2010**

**NASA Assessment**

*Left to right:* Tom Clifford, Mike Kelly, Christina Lee, Larry Oien,  
Melba Crain, Charlie Robinson, Brenda Brunello,

February 10, 2011



**RT Logic, Colorado Springs, CO**  
**July 20-22, 2010**  
**NASA Assessment**

*Left to right:*, JK Crain, Jim Hursh, Brenda Brunello,  
Larry Oien, Matthew Fox, Dayvon Green



# Outreach

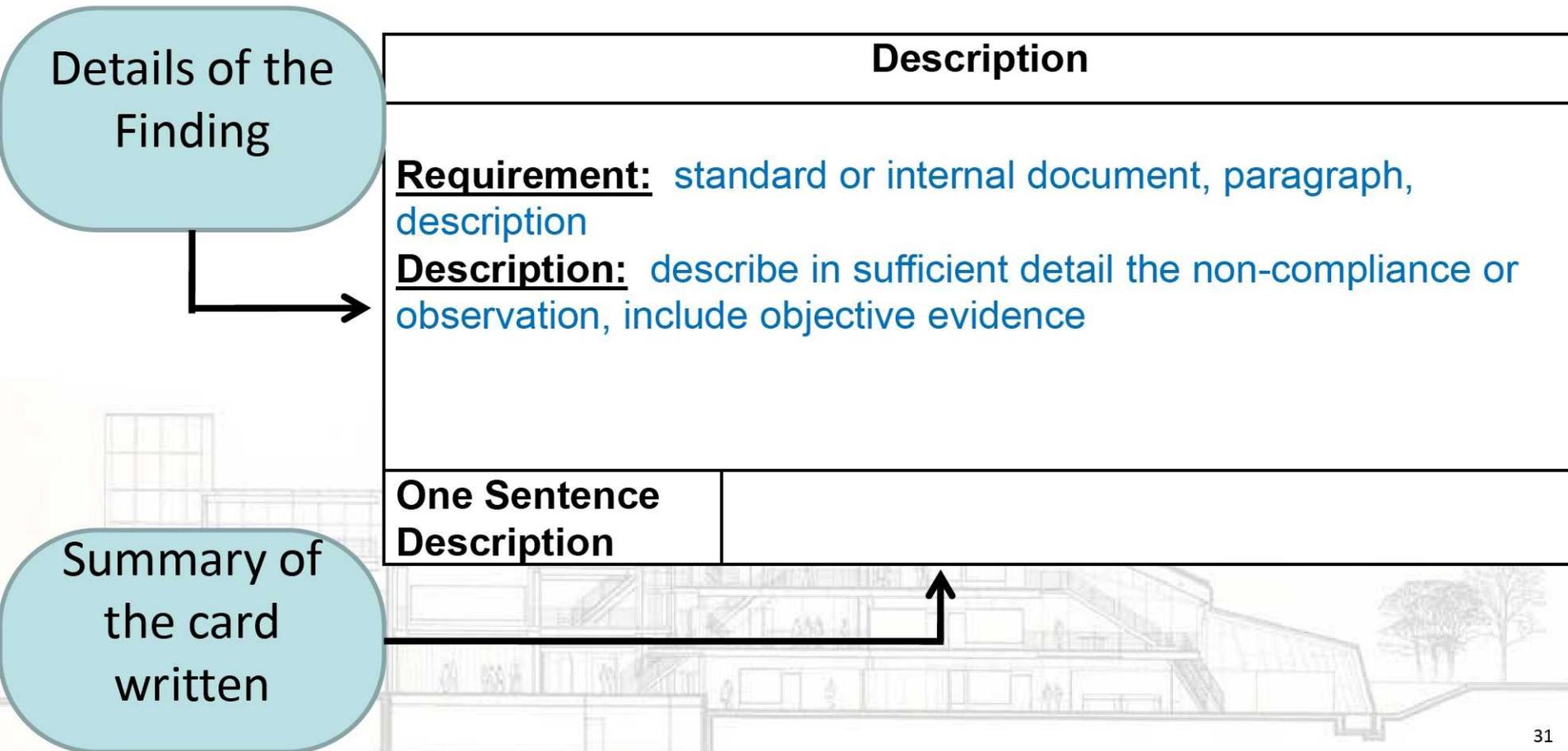
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## **Three Outreach Opportunities by NASA/Goddard:**

- 1. Summary data of all Non-compliances and Observations from NASA/GSFC Assessments**
- 2. Safety and Mission Assurance Directorate Overview**
- 3. Supply Chain Conference 2010**

# Summary Data from NASA/Goddard Assessments

- A Noncompliance or Observation is written during an assessment. We summarize the write-up in a “one-liner” description on the assessment card.





# Noncompliance & Observation Summary

## “One Liners” for Document Control



Procedure released without correct reference to associated form and procedure titles are inconsistent.
A contracted employee created his own document control system for his use of TDRS documents on the TDRS server.
Supplier does not have any of the industry specifications listed in the LDCM OLI process specification for dip soldering.
The Software Quality Reporting Work Instruction and Procedure does not clearly identify who is responsible for the control and reporting of the software assurance.
Obsolete specifications are listed in both Supplier's MAP and Supplier's Program Implementation and Product Assurance Plan.
Non-existent procedures listed in the JWST Quality Program Plan
There is no linkage from the Quality Manual or document control procedures to the Configuration Management Procedure.
Supplier is using a new system to manage the training needs of their personnel (MyLearning); however, it conflicts with released procedure that requires the use of “Training Tracker”.
The templates being used to aid the GIDEP documentation are not under document control nor are the use of these templates documented to assure a consistent methodology.
Supplier does not have a released Corrective Action and Preventive Action procedure and two (2) others required by ISO 9001. [repeat from FEB 2004]
Supplier stated they updated a procedure, when if fact it was not updated.
Supplier committed to have 6 common procedures for the 3 sites, but have not defined which procedures nor is ther a plan for completion.
Uncontrolled version of Command Media on the shop floor.

The Document Control One-Liners and other categories are available on the GSFC Safety and Mission Assurance web site:

<http://sma.gsfc.nasa.gov/iso/index.php>



SAFETY AND MISSION ASSURANCE  
(SMA)  
CODE 300

# YOU ARE INVITED TO ATTEND!

## GSFC 300 Safety and Mission Assurance Directorate (SMA-D) Overview

**When:** To be announced (April – May 2011)

**Where:** Goddard Space Flight Center

**Who may attend?** Anyone who needs/wants insight as to what SMA-D does for the Center and the Agency.

**Interested?** Send email to Catherine Bower to be added to future notifications: [catherine.e.bower@nasa.gov](mailto:catherine.e.bower@nasa.gov)

**Go to:** <http://sma.gsfc.nasa.gov/> for more information





# Supply Chain 2010

4th Annual NASA Supply Chain Quality Assurance Conference  
October 20-22, 2010 @ NASA Goddard Space Flight Center

- Successful conference focused on *Innovation and Mission Success*
  - 19 topics and 29 speakers plus Space Industry Supplier Social, tour of Goddard facilities and new seminar on Business Process Management
- Record turnout of 235 leaders and practitioners (21% increase from prior year) from aerospace industry, suppliers, NASA and other agencies
- Highly positive feedback, including:
  - “I was impressed with the variety of attendees including VP and director level individuals. It shows the level of commitment to quality coming both from NASA and its supply base.”
  - “Appreciate warm welcome from NASA staff”
  - “One of the best managed conferences I have ever attended.”
  - “Great networking and customer engagement opportunity.”
  - “Social event was excellent for developing new contacts.”
  - “Great variety of presentations/speakers.”
  - Great Conference. Very informative and well-planned.”
  - “Excellent Conference. Several ideas for improving our site ... will be implemented.”
- Feedback and lessons-learned will be used in planning **Supply Chain 2011** next fall.
- Conference presentations available at <http://supplychain.gsfc.nasa.gov>
- Hosted by the Institutional Support Office / Supply Chain Management Team, Safety and Mission Assurance Directorate, GSFC

Safety and Mission Assurance Directorate, Goddard Space Flight Center





# Conclusion

- **NASA/Goddard is committed to the Supplier Assessment Program by:**
  - (1) Supporting GSFC Projects to ensure suppliers are aware of and are following Contractual Requirements
  - (2) Providing Suppliers an “independent” assessment of their processes so they can continually improve
  - (3) Providing Supplier’s Safety and Mission Assurance Organization with some additional leverage to make change within their organization
  - (4) Improving the overall Supplier Base for the entire Aerospace Industry
- ***To the Supplier Community:*** If your company is interested in Continuous Improvement, does work with NASA/Goddard, and is interested in building a positive relationship with our Center, then let us know and we can discuss our future.
- ***To other NASA Centers and Federal Agencies:*** If you are interested in teaming with NASA/GSFC on any assessments, then let us know and we can forge some new relationships.



# GSFC Supply Chain Management Team

<b>NAME</b>	<b>POSITION</b>	<b>LOCATION</b>	<b>PHONE</b>	<b>EMAIL/CELL</b>
Mike Kelly	Chief, Institutional Support Office	6/S018	301-286-0662	<a href="mailto:Michael.P.Kelly@nasa.gov">Michael.P.Kelly@nasa.gov</a> 301-980-4384
David Campbell	Deputy Chief	6/S020	301-286-9343	<a href="mailto:David.L.Campbell@nasa.gov">David.L.Campbell@nasa.gov</a> cell 301-379-1906
Matthew Fox	Supply Chain Manager	6/W025	301-286-3416	<a href="mailto:Matthew.Fox@nasa.gov">Matthew.Fox@nasa.gov</a> 407-579-6800
Charles Kim	Senior Supply Chain Manager	6/W018	301-286-4333	<a href="mailto:Charles.K.Kim@nasa.gov">Charles.K.Kim@nasa.gov</a> 202-286-0319
Jonathan Root	Senior Supply Chain Manager	6/W023	301-286-0077	<a href="mailto:Jonathan.F.Root@nasa.gov">Jonathan.F.Root@nasa.gov</a> 301-741-1552
Louis Thomas	Senior Supply Chain Manager	6/W048	301-286-4320	<a href="mailto:Louis.A.Thomas@nasa.gov">Louis.A.Thomas@nasa.gov</a> 301-789-8590
Thomas Clifford	Lead Systems Engineer/ManTech SRS	6/S023	301-286-2027	<a href="mailto:Thomas.W.Clifford@nasa.gov">Thomas.W.Clifford@nasa.gov</a> 240-478-7119
Vic DiMarco	SRS	6/W212	301-286-0713	<a href="mailto:Victor.V.Dimarco@nasa.gov">Victor.V.Dimarco@nasa.gov</a>



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## **BACK-UP CHARTS**

1. Supply Chain Assessments – Planned
2. Supply Chain Assessments - Completed



# Supply Chain Assessments - Planned

11/19/2010

Godard Space Flight Center

SUPPLIER	Requestor POC	CITY, STATE	DATE	PROJECTS SUPPORTED
T&T Materials, Inc.	Code 547	Rochester, NY	11/29/2010	Code 547
Mardon Tool & Die Co. Inc., [Dave Campbell]	Code 547	Rochester, NY	11/31 - 12/1/2010	Building 5 Mechanical Supplier to GSFC In- House Projects
CDA-Intercorp (51761), [Mike Kelly]		Deerfield Beach, FL	12/1 - 12/3/2010 (Full + Follow-up from Dec 2009)	JWST, GOES-R, LDCM
Lightworks Optics, (093T9), [Matthew Fox]	R. Kilgore	Tustin, CA	1/18 - 1/19/2011 (Follow-up from June 2010)	GOES-R
Pioneer Circuits, Inc. (65723), [Matthew Fox]	R. Kilgore	Santa Ana, CA	1/20 - 1/21/2011 (Follow-up from Feb 2009)	GOES-R, MSL
Boeing - El Segundo (9E831), [Mike Kelly]		El Segundo, CA	Week of 1/24/2011 (Follow-up from May 2010 & Full)	TDRS-K
Orbital - Dulles, (9X711/17232), [Mike Kelly]		Dulles, VA	Jan 2011 (Follow-up from August 2010)	JDEM, NuSTAR, GLORY



# Supply Chain Assessments - Planned

11/19/2010

Godard Space Flight Center

SUPPLIER	Requestor POC	CITY, STATE	DATE	PROJECTS SUPPORTED
BAE Systems (1RU44), [Charles Kim]		Manassas, VA	Jan 2011 (Follow-up from August 2009)	GPM, GOES-R, RBSP, LDCM
University of Iowa, [Jon Root]	B. Park & APL	Iowa, IA	2/1 - 2/3/2011	RBSP, MMS, Juno (JPL)
Applied Physics Lab, (88898), [Mike Kelly]	B. Park	Columbia, MD	02/01/2011	RBSP, MMS, Solar Probe
Orbital - Gilbert (4LDG1), [Mike Kelly]		Gilbert, AZ	2/7 - 2/10/2011 (Follow-up +) (Joint with JSC & GRC)	LDCM, TDRS-K Ground Systems
Lockheed-Martin - Stennis SC, (3DGS3), [Louis Thomas]	R. Kilgore	Hancock, MS	February 2011 (Follow-up from April 2010)	GOES-R
RT Logic, 09SP4 & 3HH19, [Matthew Fox]	B. Dusterwald	Colorado Springs, CO, Englewood, CO	February 2011	RBSP, LRO, NIMO, GPM
Aeroflex-Colorado Springs, [Matthew Fox]	R. Kilgore, C. Claggett	Colorado Springs, CO	February 2011	GOES-R, MMS
EaglePicher Technologies, LLC, (81855)		Joplin, MO	3/1 - 3/4 2011 (Follow-up from January 2010)	GLAST, LDCM, MAVEN , ISS



# Supply Chain Assessments - Planned

11/19/2010

Godard Space Flight Center

SUPPLIER	Requestor POC	CITY, STATE	DATE	PROJECTS SUPPORTED
MIT Lincoln Labs, [Jonathan Root]	Lincoln Labs	Lexington, MA	3/1 - 3/3/2011	LADEE
Southwest Research Institute (26401), [Louis Thomas]		San Antonio, TX	3/8/2011 (Follow-up from October 2009)	RBSP, MMS
Harris Corporation, [Dave Campbell]		Melbourne, FL	3/8 - 3/10/2011 (Follow-up from May 2010)	GOES-R Ground System
Univ. of New Hampshire, 5N4Q8, [Jon Root]	B. Park & APL	Durham, New Hampshire	3/14/2011 (Follow-up from April 2010)	GOES-R, IBEX, RBSP, MMS
Assurance Technology Corp. - Chelmsford, (4KR71, 8L918), [Matthew Fox]	R. Kilgore	Chelmsford, MA & Carlisle MA	3/14/2011 (Follow-up from April 2010)	GOES-R
Lucix, (1VVD0), [Louis Thomas]	R. Calvo	Camarillo, CA	March 2011 (Follow-up from March 2010)	TDRS-K
Broadreach Engineering, [Charles Kim]		AZ	First Qtr 2011	LADEE, IRIS
L-3 Communications, Telemetry-West, Balboa Ave. (9U244) (64854), [Jon Root]		San Diego, CA	First Qtr 2011 (Follow-up from Aug 2009 + Full) (Joint with Dryden)	POES, LDCM, RBSP, AIM



# Supply Chain Assessments - Planned

11/19/2010

Goddard Space Flight Center

SUPPLIER	Requestor POC	CITY, STATE	DATE	PROJECTS SUPPORTED
L-3 - Tinsley (78555), [Jon Root]		Richmond, CA	First Qtr 2011 (Follow-up from Aug 2009)	GOES-R, LDCM, WISE, JWST
NeXolve (5AAU5) (formerly Mantech SRS SSD), [Matthew Fox]	J. Radich	Huntsville, AL	First Qtr 2011 (Full + Follow-up from Dec 2009)	JWST
Space Sciences Laboratory- Univ of California, Berkeley, [Jon Root]		Berkeley, CA	First Qtr 2011 (Follow-up from April 2010)	RBSP, MAVEN, MMS
Lockheed-Martin - Newtown, (08GY3), [Mike Kelly]	R. Kilgore	Newtown, PA	4/4 - 4/6/2011 (Follow-up from Feb 2010)	GOES-R
Lockheed-Martin - Denver, (04236), [Mike Kelly]	R. Kilgore, o. Cheatom	Denver, CO	4/4 - 4/6/2011 (Follow-up from August 2010)	GOES-R, MAVEN
Honeywell-Glendale, [Matthew Fox]		Glendale, AZ	4/4 - 4/6/2011 (Follow-up from October 2010)	LDCM, NuStar, TDRS-K
ABSL Power Solutions, [Matthew Fox]	J. Rauscher	Longmont, CA	5/3 5/5/2011 (Follow-up + from September 2010)	MMS, GPM
Ball Aerospace (1KPW4) (13993), [Mike Kelly]		Boulder, CO	7/11 - 7/15/2011 (Follow-up from Nov 2009) (Joint with GRC)	NPP S/C & OMPS Instrument, JWST, LDCM (OLI), GPM(GMI), TIRS



# Supply Chain Assessments - Planned

11/19/2010

Goddard Space Flight Center

SUPPLIER	Requestor POC	CITY, STATE	DATE	PROJECTS SUPPORTED
Laboratory for Atmospheric and Space Physics, University of Colorado at Boulder, [Mike Kelly]	R. Kilgore	Boulder, CO	Third Qtr 2011 (Follow-up from May 2010)	RBSP, MMS, MAVEN, GOES-R, LADEE, TSIS
Northrop-Grumman Aerospace Systems (11982), [Mike Kelly]		Redondo Beach, CA	10/4 - 10/7/2011 (Follow-up from May 2010)	NPP, JWST
ITT - Ft. Wayne (38JE7), [Mike Kelly]	T. Bowser	Ft. Wayne, IN	11/1 - 11/4/2011 (Follow-up + Full from May 2010)	NPP, GOES-R
Northrop-Grumman - Azusa (1WGQ5) (70143) (70143), [Louis Thomas]		Azusa, CA	2011 (Follow-up from January 2009)	JPSS, POES, Mission Ops
ATK-Alliant Techsystems, [Charles Kim]		Magna, UT	TBD (Follow-up from Jan 2009)	LDCM, JWST
Aerospace Corporation, [Mike Kelly]	B. Park & APL	El Segundo, CA	TBD (Follow-up from Nov 2009)	RBSP, MMS
White Sands Test Facility, [Dave Campbell]		New Mexico	TBD (Joint with JSC)	TDRS (Mission Ops)
ITT - Rochester (0YFE8 & 30KA0), [Charles Kim]		Rochester, NY	TBD (Follow-up from Dec 2009)	GOES-R, JWST



# Supply Chain Assessments - Planned

11/19/2010

Godard Space Flight Center

SUPPLIER	Requestor POC	CITY, STATE	DATE	PROJECTS SUPPORTED
L-3 Communications, Telemetry-West, Balboa Ave. (9U244) (64854), [Jon Root]		San Diego, CA	First Qtr 2011 (Follow-up from Aug 2009 + Full) (Joint with Dryden)	POES, LDCM, RBSP, AIM
Hi-Shear Corporation, [Louis Thomas]		Torrance, CA	TBD (Joint with JSC)	TBD
K-Tech, [Louis Thomas]	D. Cleveland	Albuquerque, NM	TBD	TBD
JDSU, [TBD]		NJ	TBD	GOES-R
Teledyne Imaging Sensors, [Charles Kim]		Camarillo, CA	TBD (Follow-up from Oct 2009)	JWST
Parsons, (4X1D7), [Louis Thomas]		At GSFC, Service Provider	TBD (Follow-up from Feb 2010)	Support Contractor for GSFC
MEI [TBD]		At GSFC, Service Provider	TBD	Support Contractor for GSFC
SGT, [TBD]		At GSFC, Service Provider	TBD	Support Contractor for GSFC



# Supply Chain Assessments - Planned

11/19/2010

Godard Space Flight Center

SUPPLIER	Requestor POC	CITY, STATE	DATE	PROJECTS SUPPORTED
Ithaco, [Louis Thomas]	M. Kelly	Ithaca, NY	TBD (Full & Follow-up from March 2008)	TBD
Axsys Optical - Cullman, [Matthew Fox]		Cullman, AL	TBD	JWST
Northrop-Grumman - Lanham, [Charles Kim]		Lanham, MD	TBD	SDO, JWST, LRO, TIRS, GPM



# Supply Chain Assessments – Completed

As of 11/18/10

Goddard Space Flight Center

SUPPLIER	CITY, STATE	DATE	PROJECTS SUPPORTED
DRS Sensor & Targeting Systems - Cypress	Cypress, CA	11/9 - 11/10/2006	GOES-R, WISE
Advanced Cooling Technologies	Lancaster, PA	1/17 - 1/18/2007	GOES-R
SWALES	Beltsville, MD	1/24 - 1/25/2007	GOES-R
Northrop-Grumman Space Technology	El Segundo, CA	1/24 - 1/25/2007	GOES-R
Assurance Technology Corp. - Chelmsford	Chelmsford, MA	1/30 - 1/31/2007	GOES-R
BAE Systems	Manassas, VA	2/6 - 2/7/2007	GOES-R
ITT - Rochester	Rochester, NY	3/6 - 3/8/2007	GOES-R, JWST
Space Dynamics Lab - Utah State University	North Logan, UT	3/13 - 3/15/2007	WISE, JWST



# Supply Chain Assessments – Completed

As of 11/18/10

Goddard Space Flight Center

SUPPLIER	CITY, STATE	DATE	PROJECTS SUPPORTED
Lockheed-Martin - Palo Alto	Palo Alto, CA	4/23 - 4/27/2007	GOES-R, SDO, EXPLORER-IBEX, GOES-O,P, JWST
Lockheed-Martin - Sunnyvale	Sunnyvale, CA	4/23 - 4/27/2007	POES
Northrop-Grumman - Lanham	Lanham, MD	4/25/2007	LRO, JWST, SDO
DRS Technologies – Dallas	Dallas, TX	5/1 - 5/2/2007	GOES-R
Orbital - Dulles	Dulles, VA	5/7 - 5/10/2007	AIM, IBEX, GLORY
Raytheon - El Segundo	El Segundo, CA	5/14 - 5/17/2007	GLORY
DRS Sensor & Targeting Systems - Cypress	Cypress, CA	5/15 - 5/17/2007 (Follow-up from 11/06)	GOES-R, WISE
Santa Barbara Remote Sensing (SBRS) (Raytheon)	Santa Barbara, CA	6/4/2007	NPP only



# Supply Chain Assessments – Completed

As of 11/18/10

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SUPPLIER	CITY, STATE	DATE	PROJECTS SUPPORTED
Orbital - Beltsville (joint assessment with Ames Research)	Beltsville, MD	6/5 - 6/7/2007	SDO, Aquarius, LRO, HST, ELC
ITT - Ft. Wayne	Ft. Wayne, IN	06/11/2007	NPP only
Southwest Research Institute	San Antonio, TX	6/13 - 6/14/2007 (SAC C/A's only)	IBEX, MMS
Ball Aerospace	Boulder, CO	7/9 - 7/13/2007 (SAC 2005 C/A's also reviewed)	WISE, GOES-R, JWST, HST, NPP S/C & OMPS Instrument
BEI Precision Systems	Maumelle, AR	Week of 8/6/2007	GOES-R
Applied Physics Lab	Columbia, MD	8/21 - 8/23/2007 (SAC C/A's only)	GEOSPACE
ATK (formerly Swales) - Beltsville	Beltsville, MD	8/28 - 8/30/2007	GOES-R
Assurance Technology Corp. - Chelmsford	Chelmsford, MA	9/11 - 9/12/2007 (Follow-up C/A) (from 01/07)	GOES-R



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SUPPLIER	CITY, STATE	DATE	PROJECTS SUPPORTED
Univ. of New Hampshire	Durham, New Hampshire	9/12 - 9/14/2007	GOES-R, IBEX
Southwest Research Institute	San Antonio, TX	9/18 - 9/20/2007 (Full Assessment)	IBEX, MMS
Boeing - El Segundo	El Segundo, CA	Week of 9/24/2007	GOES-O,P
Northrop-Grumman - Lanham	Lanham, MD	10/9 - 10/11/2007	SDO, JWST, LRO
L3 SSG - Precision Optics	Wilmington, MA	10/15 - 10/17/2007	GOES-R, EXPLORER-WISE
Space Dynamics Lab - Utah State University	North Logan, UT	10/23 -10/24/2007 (Follow-up from March 2007)	WISE, JWST
SEAKR	Centennial, CO	Week of 10/29/07 (NASA GSFC joint assessment with JSC and Ames)	HST
Orbital - Dulles	Dulles, VA	10/29 - 10/30/07 (Follow-up from May 7, 2007)	AIM, IBEX, GLORY



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SUPPLIER	CITY, STATE	DATE	PROJECTS SUPPORTED
ITT - Rochester	Rochester, NY	11/6 - 11/7/2007 (Follow-up from 03/07))	GOES-R, JWST
L3 - Tinsley	Richmond, CA	11/27 - 11/29/2007	GOES-R, Explorer-WISE, JWST
European Vendors (RAL, E2V, Spur Electronics)	UK	11/25 - 11/30/2007	GOES-R
DRS Sensor & Targeting Systems - Cypress	Cypress, CA	12/4 - 12/5/2007 (2nd Follow-up) (from 05/07)	GOES-R
Ball Aerospace	Boulder, CO	12/13 - 12/14/2007 (Follow-up from July 2007)	NPP S/C & OMPS Instrument
Teledyne-Thousand Oaks	Thousand Oaks, CA	01/04/08	GPM
General Dynamics	Gilbert, AZ	1/7 - 1/11/2008	GLAST
GSFC In-House Mechanical Fabrication and Calibration Support (Bldg 5)	Greenbelt, MD	1/15 - 1/18/2008	GSFC In-House Programs



# Supply Chain Assessments – Completed

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SUPPLIER	CITY, STATE	DATE	PROJECTS SUPPORTED
SIMCO	Sterling, VA	01/17/08	Calibration for GSFC
Goodrich - Danbury	Danbury, CT	1/22 - 1/25/2008	HST
L3 Space & Navigation - Budd Lake	Budd Lake, NJ	1/28 - 1/30/2008	HST
Applied Physics Lab	Columbia, MD	1/31 - 2/1/2008 (Follow-up from Aug 2007)	GEOSPACE, RBSP
Astrotech Space Operations	Titusville, FL	2/5 - 2/7/2008	Multiple GSFC Projects
Lockheed-Martin Space Systems - Sunnyvale	Sunnyvale, CA	2/5 - 2/6/2008	POES-N Prime
Honeywell - Clearwater	Clearwater, FL	2/26-2/28/2008 (JAPC assessment with GSFC participation)	LRO
Laboratory for Atmospheric & Space Physics (Univ. of Colorado)	Boulder, CO	3/11 - 3/13/2008	GOES-R, SDO, GLORY, MMS



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SUPPLIER	CITY, STATE	DATE	PROJECTS SUPPORTED
Ithaco Space Systems	Ithaca, NY	3/25 - 3/27/2008	TIMED, FUSE, SDO, GLAST, NPP
Boeing - El Segundo	El Segundo, CA	03/25 - 3/26/08 (2 day Follow-up from Sept 2007)	GOES-O,P, TDRS
Mills Machine	Baltimore, MD	04/03/08	Building 5 Mechanical Supplier to GSFC In-House Projects
Applied Physics Lab	Columbia, MD	4/15 - 4/18/2008 (Full Assessment)	RBSP
ITT - Ft. Wayne	Ft. Wayne, IN	4/22 - 4/23/08 (Follow-up from June 2007)	NPP only
Excel Machine & Fabrication	Baltimore, MD	05/01 - 05/02/2008	Building 5 Mechanical Supplier to GSFC In-House Projects
M & D Machine Co.	Linthicum, MD	5/7 - 5/8/2008	Building 5 Mechanical Supplier to GSFC In-House Projects
Lorr Company	Beltsville, MD	05/13/08	Building 5 Mechanical Supplier to GSFC In-House Projects



# Supply Chain Assessments – Completed

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SUPPLIER	CITY, STATE	DATE	PROJECTS SUPPORTED
Bowers Instrument Co.	Davidsonville, MD	05/28/08	Building 5 Mechanical Supplier to GSFC In-House Projects
Babcock	La Mirada, CA	6/4 - 6/6/2008	GOES-R, NPP, JWST
Lockheed-Martin - Palo Alto	Palo Alto, CA	6/9 - 6/10/2008 (Follow-up from 4/2007)	GOES-R, SDO, EXPLORER-IBEX, GOES-O,P JWST
Lockheed-Martin - Sunnyvale	Sunnyvale, CA	6/9 - 6/10/2008 (Follow-up from 4/2007)	POES
Western Industrial Machine	Hampstead, MD	6/11 - 6/12/2008	Building 5 Mechanical Supplier to GSFC In-House Projects
L3 - Tinsley	Richmond, CA	6/11 -6/13/2008 (Follow-up from Nov 2007)	GOES-R, LDCM, WISE, JWST
Precise Tool & Manufacturing, Inc.	Rochester, NY	6/17 - 6/18/2008	Building 5 Mechanical Supplier to GSFC In-House Projects
ATK - Goleta	Goleta, CA	6/17 - 6/19/2008 (Joint with JSC)	GOES-O,P, JWST



# Supply Chain Assessments – Completed

As of 11/18/10

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SUPPLIER	CITY, STATE	DATE	PROJECTS SUPPORTED
Lane Industries	Rochester, NY	6/19 - 6/20/2008	Building 5 Mechanical Supplier to GSFC In-House Projects
Raytheon Vision Systems	Goleta, CA	7/07 - 7/10/2008	LDCM
Raytheon - El Segundo	El Segundo, CA	7/14 - 7/18/2008 (Follow-up from May 2007)	NPP
ATK Composite Optics	San Diego, CA	7/15 - 7/18/2008	LDCM
American Metals	Ft. Mill, SC	7/17 - 7/18/2008	Building 5 Mechanical Supplier to GSFC In-House Projects
GSFC Safety and Mission Assurance Directorate	Greenbelt, MD	7/22 - 7/25/2008	GOES-R, LDCM, GPM, MMS
EJ Enterprises, Inc.	Glen Burnie, MD	07/25/08	Building 5 Mechanical Supplier to GSFC In-House Projects
B&B Specialties,	Anaheim, CA	7/29 - 7/31/2008	Fastener manufacturer



# Supply Chain Assessments – Completed

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SUPPLIER	CITY, STATE	DATE	PROJECTS SUPPORTED
Bechdon Precision Machining	Upper Marlboro, MD	8/26 - 8/27/2008	Building 5 Mechanical Supplier to GSFC In-House Projects
Barr Associates	Westford, MA	9/3 - 9/5/2008	LDCM, GOES-R
Applied Physics Lab	Columbia, MD	9/9 - 9/10/2008 (Follow-up from April 2008)	RBSP
Pioneer Circuits	Santa Ana, CA	9/16 - 9/18/2008	GOES-R +
Raytheon - El Segundo	El Segundo, CA	9/24 -9/25/2008 (Follow-up from July 2008)	GLORY, NPP
DRS Sensor & Targeting Systems - Cypress	Cypress, CA	09/25/2008 (Follow-up from December 2007)	GOES-R, WISE
MDL Manufacturing Industries	White Plains, MD & Bedford, PA	9/30 - 10/1/2008	Building 5 Mechanical Supplier to GSFC In-House Projects
Boeing - El Segundo	El Segundo, CA	10/07/08	GOES-O,P, TDRSS



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SUPPLIER	CITY, STATE	DATE	PROJECTS SUPPORTED
Toper Manufacturing	Baltimore, MD	10/14 - 10/15/2008	Building 5 Mechanical Supplier to GSFC In-House Projects
Alexandria Metal Finishers	Lorton, VA	10/16/08	Building 5 Mechanical Supplier to GSFC In-House Projects
JTJ Engineering 1VQR2	Linthicum, MD	10/22/08	Building 5 Mechanical Supplier to GSFC In-House Projects
ETA Global 06FB3	Palestine, TX	11/06/08	Building 5 Mechanical Supplier to GSFC In-House Projects
General Dynamics - Advanced Information Systems (4LDG1)	Gilbert, AZ	12/3 - 12/5/2008 (Follow-up from Jan 2008)	GLAST, LDCM, TDRS-K
L-3 Communications, Telemetry-West, Balboa Ave. (9U244)	San Diego, CA	12/9 - 12/11/2008 (Joint with Dryden)	POES, LDCM, RBSP, AIM
Northrop-Grumman - Azusa (1WGQ5) (70143) (70143)	Azusa, CA	1/13 - 1/15/2009	POES, Mission Ops
Moog Inc, Chatsworth Operations Division Space and Defense Group (29371)	Chatsworth, CA	1/13 - 1/15/2009	LDCM, GOES-R, JWST, GLAST



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SUPPLIER	CITY, STATE	DATE	PROJECTS SUPPORTED
Boeing - El Segundo (9E831)	El Segundo, CA	1/26 - 1/30/2009	GOES-O,P, TDRSS
ATK-Alliant Techsystems	Magna, UT	1/27 - 1/29/2009	JWST
CDA-Intercorp (51761)	Deerfield Beach, FL	2/3 - 2/5/2009	JWST, GOES-R, GLAST
DRS Sensor & Targeting Systems - Cypress	Cypress, CA	2/5/2009 (Follow-up from September 2008)	GOES-R
Northrop-Grumman Aerospace Systems (11982)	Redondo Beach, CA	2/9 - 2/13/2009	NPP, NPOES, JWST, GOES-R
Pioneer Circuits, Inc. (65723)	Santa Ana, CA	2/17 - 2/18/2009 (Follow-up from Sept 2008) (Joint with JPL)	GOES-R, MSL
Ideal Fasteners (6F810)	Anaheim, CA	3/3 - 3/4/2009	Fastener manufacturer
Frequency Electronics, Inc. (14844)	Uniondale, NY	3/4 - 3/6/2009	LDCM



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SUPPLIER	CITY, STATE	DATE	PROJECTS SUPPORTED
Baltimore Heat Treat Corp. (OAXB3)	Baltimore, MD	3/17/2009	Fastener distributor
Alexandria Metal Finishers	Lorton, VA	03/19/2009	Building 5 Mechanical Supplier to GSFC In-House Projects
Teledyne Microelectronic Technologies (16170)	Los Angeles, CA	3/24 - 3/26/2009	JWST, ISIM, HST
Photonis USA (11323)	Sturbridge, MA	4/14 - 4/16/2009	IBEX, MESSENGER, JEDI, RBSPICE, MMS
MDL Manufacturing Industries	White Plains, MD & Bedford, PA	4/16 - 4/17/2009 (Follow-up from Sept 2008)	Building 5 Mechanical Supplier to GSFC In-House Projects
Revcar Fasteners	Roanoke, VA	4/28 - 4/29/2009	Fastener distributor
AMPAC In-Space Propulsion (ISP) (0BXY0)	Niagara Falls, NY	4/28 - 4/30/2009	LDCM, SDO, TDRS K, MESSENGER
University of Iowa	Iowa, IA	5/12 - 5/14/2009	RBSP, MMS, Juno (JPL)



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SUPPLIER	CITY, STATE	DATE	PROJECTS SUPPORTED
Rocket Air Supply (OB9F4)	Arlington, TX	5/13 - 5/14/2009	Fastener distributor
Ball Aerospace (1KPW4) (13993)	Boulder, CO	5/19 - 5/22/2009	NPP S/C & OMPS Instrument, JWST, GOES-O, LDCM (OLI), GPM(GMI)
3V Fasteners (1ER65)	Corona, CA	5/27 - 5/28/2009	Fastener manufacturer
Seagr Engineering Inc (0LB42)	Englewood, CO	6/2 - 6/4/2009 (Joint with JSC)	LDCM, Space Station, JWST, Constellation-Orion
Northrop-Grumman - Lanham	Lanham, MD	6/16 - 6/18/2009	SDO, JWST, LRO
RUAG Aerospace Sweden AB (formerly Saab Space AB) (S9364)	Göteborg & Linköping, Sweden	6/22 - 6/26/2009	RBSP, MMS, LDCM, GOES R, JWST, NPOESS, LCROSS
Parsons	At GSFC, Service Provider	07/15 - 7/16/2009	Support Contractor for GSFC
Raytheon Vision Systems (11323)	Goleta, CA	7/22 - 7/23/2009 (Follow-up from July 2008)	LDCM



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SUPPLIER	CITY, STATE	DATE	PROJECTS SUPPORTED
CDA-Intercorp (51761)	Deerfield Beach, FL	7/28 - 7/29/2009	JWST, GOES-R, GLAST, LDCM
Boeing - El Segundo (9E831)	El Segundo, CA	7/9 - 7/10/2009 (Follow-up from Jan 2009)	GOES-O,P, TDRSS-K
L3 - Tinsley	Richmond, CA	8/12 - 8/14/09 (Follow-up from June 2008 and Full Assessment)	GOES-R, LDCM, WISE, JWST
Northrop-Grumman Aerospace Systems (11982)	Redondo Beach, CA	8/18 - 8/19/2009 (Follow-up from Feb 2009)	NPP, NPOES, JWST, GOES-R
Merrimac Industries, Inc	West Caldwell, NJ	8/18 - 8/20/2009	GPM
Raytheon - El Segundo	El Segundo, CA	8/20/2009 (Follow-up from Sept 2008)	GLORY, NPP
BAE Systems	Manassas, VA	8/25 - 8/27/2009	GPM, GOES-R, RBSP, LDCM
L-3 Communications, Telemetry-West, Balboa Ave. (9U244) (64854)	San Diego, CA	8/26 - 8/27/2009 (Follow-up from December 2008)	POES, LDCM, RBSP, AIM



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SUPPLIER	CITY, STATE	DATE	PROJECTS SUPPORTED
Moog Inc, Chatsworth Operations Division Space and Defense Group (29371)	Chatsworth, CA	9/1 - 9/2/2009 (Follow-up from Jan 2009)	LDCM
Barr Associates (8M848), [Jon Root]	Westford, MA	9/8 - 9/9/2009	LDCM, GOES-R
Frequency Electronics, Inc. (14844), [Jon Root]	Uniondale, NY	9/15 - 9/16/2009 (Follow-up from March 2009)	LDCM
Sierra Nevada Inc. (Spacedev) (3Z7M9), [Charles Kim]	Durham, NC	9/15 - 9/16/2009	GPM
Laboratory for Atmospheric and Space Physics, University of Colorado at Boulder	Boulder, CO	9/15 - 9/16/2009 (Follow-up from March 2008)	RBSP, MMS, MAVEN, GOES-R, LADEE
Lockheed-Martin - Palo Alto (LMATC) (35WX9), [Louis Thomas]	Palo Alto, CA	9/15 - 9/18/2009 (Full and Follow-up from Jun 2008)	GOES-R
The Barden Corporation (70854), [Jon Root]	Danbury, CT	10/19 - 10/21/2009	TIRS /LDCM
Teledyne Imaging Sensors , [Charles Kim]	Camarillo, CA	10/21 - 10/23/2009	TBD



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SUPPLIER	CITY, STATE	DATE	PROJECTS SUPPORTED
Goodrich ISR Systems , [Jon Root]	Danbury, CT	10/22 - 10/23/2009 (Follow-up from Jan 2008 and Sample for LDCM)	HST, LDCM
Southwest Research Institute (26401), [Charles Robinson]	San Antonio, TX	10/27 - 10/30/2009 (Follow-up from 9/18/07 and Full)	RBSP, MMS
Ball Aerospace (1KPW4) (13993)	Boulder, CO	11/3 - 11/4/2009 (Follow-up from 5/19/09)	NPP S/C & OMPS Instrument, JWST, GOES-OP, LDCM (OLI), GPM(GMI)
Lakeshore Cryotronics Inc. (51754), [Louis Thomas]	Westerville, OH	11/3 - 11/5/2009	TBD
Aerospace Corporation	El Segundo, CA	11/9 - 11/11/2009	RBSP, MMS
Teledyne Microelectronic Technologies (16170)	Los Angeles, CA	11/12 - 11/13/2009	JWST, ISIM, HST
ITT - Ft. Wayne	Ft. Wayne, IN	11/17 - 11/20/2009	CrIS, NPOES, GOES-R
ITT - Rochester	Rochester, NY	12/1 - 12/3/2009 (Full Assessment)	GOES-R, JWST



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SUPPLIER	Requester POC	CITY, STATE	DATE	PROJECTS SUPPORTED
CDA-Intercorp (51761)		Deerfield Beach, FL	12/8 - 12/9/2009 (Follow-up from July 2009)	JWST, GOES-R, GLAST, LDCM
NeXolve (5AAU5) (formerly Mantech SRS SSD), [Jon Root]		Huntsville, AL	12/15 - 12/17/2009	JWST
Orbital - Dulles, [Mike Kelly]		Dulles, VA	1/12 - 1/15/2010	JDEM, NuSTAR, GLORY
EaglePicher Technologies, LLC, [Jonathan Root]		Joplin, MO	1/26 - 1/28/2010	GLAST, LDCM, MAVEN , ISS
Lockheed-Martin - Newtown, [Mike Kelly]		Newtown, PA	2/23 - 2/25/2010	GOES-R
Parsons, [Louis Thomas]		At GSFC, Service Provider	2/25 - 2/26/2010 (Follow-up from July 2009 )	Support Contractor for GSFC
Lucix, [Louis Thomas]		Camarillo, CA	3/3 - 3/5/2010	TDRS-K
DRS Sensor & Targeting Systems - Cypress, (1JNU9), [Jon Root]	R. Kilgore	Cypress, CA	3/23 - 3/25/2010 (Follow-up from Feb 2009 and Full)	GOES-R



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SUPPLIER	Requester POC	CITY, STATE	DATE	PROJECTS SUPPORTED
Cicon, [Louis Thomas]	R. Calvo	CA	3/23 - 3/25/2010	TDRS-K
Space Sciences Laboratory-Univ of California, Berkeley, [Jon Root]	B. Park & J. Blackwood	Berkeley, CA	4/6 - 4/8/2010	RBSP, MAVEN, MMS
Western Industrial Machine, (1Y638), [Louis Thomas]	Code 547	Hampstead, MD	4/15 - 4/16/2010 (Follow-up from June 2008)	Building 5 Mechanical Supplier to GSFC In-House Projects
Univ. of New Hampshire, 5N4Q8, [Jon Root]	B. Park & APL	Durham, New Hampshire	4/19 - 4/21/2010 (Full & Follow-up from Sept 2007)	GOES-R, IBEX, RBSP, MMS
Lockheed-Martin - Stennis SC, (3DGS3), [Louis Thomas]	R. Kilgore	Hancock, MS	4/20 - 4/23/2010 (Joint with JSC)	GOES-R
Assurance Technology Corp. - Chelmsford, [Jon Root]	R. Kilgore	Chelmsford, MA & Carlisle MA	4/22 - 4/23/2010	GOES-R
Harris Corporation, [Dave Campbell]	B. Manseur	Melbourne, FL	5/4 - 5/7/2010	GOES-R Ground System
Northrop-Grumman Aerospace Systems (11982), [Mike Kelly]	NGAS	Redondo Beach, CA	5/12/2010 (Follow-up from Aug 2009)	NPP, JWST



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SUPPLIER	Requester POC	CITY, STATE	DATE	PROJECTS SUPPORTED
Boeing - El Segundo (9E831), [Mike Kelly]	Boeing	El Segundo, CA	5/13/2010 (Follow-up from July 2010)	GOES-OP, TDRS-K
ITT - Ft. Wayne (38JE7), [Mike Kelly]	T. Bowser	Ft. Wayne, IN	5/17 - 5/18/2010	NPP, GOES-R
Laboratory for Atmospheric and Space Physics, University of Colorado at Boulder, [Mike Kelly]	R. Kilgore	Boulder, CO	5/25 - 5/28/2010 (Full Assessment) +	RBSP, MMS, MAVEN, GOES-R, LADEE
EJ Enterprises, Inc., [Tom Clifford]		Glen Burnie, MD	6/1 - 6/2/2010	Building 5 Mechanical Supplier to GSFC In-House Projects
Custom Machine., [Tom Clifford]		Hagerstown, MD	6/3 - 6/4/2010	Building 5 Mechanical Supplier to GSFC In-House Projects
EJ Enterprises, Inc., (9X065), [Louis Thomas]		Glen Burnie, MD	6/3 - 6/4/2010	Building 5 Mechanical Supplier to GSFC In-House Projects
Lightworks Optics, (093T9), [Matthew Fox]		Tustin, CA	6/15 - 6/17/2010	GOES-R
Spectrolab, [Louis Thomas]	R. Calvo	Sylmar, CA	6/8 - 6/11/2010	Solar Arrays



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SUPPLIER	Requester POC	CITY, STATE	DATE	PROJECTS SUPPORTED
T&T Materials, Inc.		Rochester, NY	6/14/2010	Code 547
Rogers Associates		Rochester, NY	6/15/2010	Code 547
RUAG Aerospace Sweden AB (formerly Saab Space AB) (S9364), [Jon Root]	R. Kilgore	Göteborg & Linköping, Sweden	6/28 - 7/1/2010	RBSP, MMS, LDCM, GOES-R, JWST, NPOES, LCROSS
Applied Physics Lab, [Mike Kelly]	B. Park	Columbia, MD	7/13 - 7/16/10	RBSP, MMS, Solar Probe
RT Logic, 09SP4 & 3HH19, [Matthew Fox]	B. Dusterwald	Colorado Springs, CO, Englewood, CO	7/20 - 7/22/2010	RBSP, LRO, NIMO, GPM
Tec Inc., [Louis Thomas]	Code 547	Frederick, MD	7/20/2010	Building 5 Mechanical Supplier to GSFC In-House Projects
Mark 2 Eng., [Louis Thomas]	Code 547	Miami, FL	8/3/ - 8/4/2010	Building 5 Mechanical Supplier to GSFC In-House Projects
Lockheed-Martin - Denver, [Mike Kelly]	R. Kilgore, o. Cheatom	Denver, CO	8/10 - 8/13/2010 (Joint with JSC & JPL)	GOES-R, MAVEN
Aeroflex-Colorado Springs, [Matthew Fox]	R. Kilgore, C. Claggett	Colorado Springs, CO	8/17 - 8/20/2010	GOES-R, MMS



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SUPPLIER	Requester POC	CITY, STATE	DATE	PROJECTS SUPPORTED
Com Dev USA, [Louis Thomas]	R. Calvo	El Segundo, CA	8/23 - 8/26/2010	TDRS-K
Orbital - Dulles, (9X711/17232), [Mike Kelly]		Dulles, VA	8/31 - 9/2/2011 (Follow-up from Jan 2010)	JDEM, NuSTAR, GLORY
ABSL Power Solutions, [Matthew Fox]	J. Rauscher	Longmont, CA	9/8 - 9/10/2010	MMS, GPM
DRS Sensor & Targeting Systems - Cypress, (1JNU9), [Matthew Fox]	R. Kilgore	Cypress, CA	9/28 - 9/30/2010 (Follow-up from March 2010)	GOES-R
Arwood Machine Corp., [Louis Thomas]		Newburyport, MA	10/5 - 10/6/2010	Building 5 Mechanical Supplier to GSFC In-House Projects
Honeywell-Glendale, [Matthew Fox]		Glendale, AZ	10/12 - 10/15/2010	LDCM, NuStar, TDRS-K
Ashley Labs (Plating), [Louis Thomas]		Baltimore, MD	10/26/2010	Building 5 Mechanical Supplier to GSFC In-House Projects
Lockheed-Martin Space Systems - Sunnyvale_PaloAlto, [Louis Thomas]	R. Kilgore	Sunnyvale, CA	11/1/2010 (Follow-up from June 2008)	POES-N Prime, GOES-R (Solar Arrays for Sunnyvale)



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SUPPLIER	Requester POC	CITY, STATE	DATE	PROJECTS SUPPORTED
Merrimac Industries, Inc (12457), [Charles Kim]		West Caldwell, NJ	11/8/2010 (Follow-up from August 2009)	GPM
Orbital - Beltsville, [Louis Thomas]		Beltsville, MD	11/16 - 11/17/2010	SDO, Aquarius, LRO, HST, ELC, MMS
Northrop-Grumman - Woodland Hills, [Charles Kim]		Woodland Hills, CA	11/16 - 11/18/2010	GPM, LDCM, TDRS-K, JWST