

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT

1. CONTRACT CODE PAGE OF PAGES  
1 103

2. AMENDMENT/MODIFICATION NO. 347  
3. EFFECTIVE DATE See Block 16c Below  
4. REQUISITION/PURCHASE REQ. NO.  
5. PROJECT NO. (if applicable)  
6. ISSUED BY CODE OPOS  
John F. Kennedy Space Center, NASA  
Procurement Office  
Kennedy Space Center, FL 32899  
7. ADMINISTERED BY (if other than Item 6) CODE  
RECEIVED  
SGS CONTRACTS  
06 APR -6 PM 4:28

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State, and Zip Code)  
Space Gateway Support  
2411 Dulles Corner Park, Suite 500  
Herndon, VA 20171-3430  
9A. AMENDMENT OF SOLICITATION NO.  
9B. DATED (SEE ITEM 11)  
10A. MODIFICATION OF CONTRACT/ORDER NO.  
NAS10-99001  
10B. DATED (SEE ITEM 13)  
August 21, 1998

ORIGINAL

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers  is extended,  is not extended.  
Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:  
(a) By completing Items 8 and 15, and returning \_\_\_\_ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

1. ACCOUNTING AND APPROPRIATION DATA (If required)

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.  
B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).  
C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:  
X D. OTHER (Specify type of modification and authority)  
Mutual Agreement of the Parties

E. IMPORTANT: Contractor  is not,  is required to sign this document and return 3 copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

The purpose of this no cost modification is to (1) incorporate revised Technical Exhibit 7.0-007, NASA Computer Systems, Applications, and Databases, dated 15 December 2005 and (2) for contract Attachment J-4, Compliance Documents, changes KHB 1860.1D(T) to KNPR 1860.1 for WBS 3.2.3.1 and corrects KNPR 1860.1 title of document for WBS 3.5.2.

In consideration of the modification agreed to herein, the contractor hereby releases the government from any and all liability under this contract for further equitable adjustments attributable to such facts and circumstances giving rise to the proposal for adjustment.

15A. NAME AND TITLE OF SIGNER (Type or print)  
Victoria G. Lockard  
Director, Contracts  
16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)  
Ernest G. Tweedie  
Contracting Officer

15B. CONTRACTOR/OFFEROR  
Victoria Lockard  
(Signature of person authorized to sign)  
15C. DATE SIGNED  
20 Apr 06  
16B. UNITED STATES OF AMERICA  
Ernest Tweedie  
(Signature of Contracting Officer)  
16C. DATE SIGNED  
21 APR 06

<b>ARTICLE B-3 CONTRACT VALUE</b>			
<b>Basic Period Sep 98-30 Sep 03</b>			
The contract value is summarized below:			
<b>Contract Period</b>	<b>Estimated Cost</b>	<b>Available Award Fee*</b>	<b>Contract Value</b>
Phase-In Period (Sept 1998)	\$1,113,486		1,113,486
<b>Basic Period Thru 335</b>			
10/01/98-09/30/00	\$396,406,378	\$23,183,402	419,589,780
Neg. Cost Overrun MOD 135	\$9,200,000	\$0	9,200,000
Cost Overrun	\$0	\$0	0
Mod No. Cost Overrun			0
<b>Mod No.</b>			<b>0</b>
Total FY99-FY00	\$405,606,378	\$23,183,402	428,789,780
(10/01/00-09/30/01)	\$215,635,118	\$13,048,274	228,683,392
Neg. Cost Overrun MOD 135	\$18,804,377	\$0	18,804,377
Cost Overrun	\$0	\$0	0
Mod No. Cost Overrun			0
<b>Mod No.</b>			<b>0</b>
Total FY01	\$234,439,495	\$13,048,274	247,487,769
(10/01/01-09/30/02)	\$234,055,207	\$14,045,933	248,101,140
Neg. Cost Overrun MOD 135	\$19,865,904	\$0	19,865,904
Cost Overrun	\$0	\$0	0
Mod No. Cost Overrun			0
<b>Mod No.</b>			<b>0</b>
Total FY02	\$253,921,111	\$14,045,933	267,967,044
(10/01/02-09/30/03)	\$247,155,367	\$15,285,478	262,440,845
Neg. Cost Overrun MOD 135	\$22,426,471	\$0	22,426,471
Cost Overrun	\$0	\$0	0
Mod No. Cost Overrun			0
<b>Mod No. 343</b>	<b>\$210,535</b>	<b>\$15,916</b>	<b>226,451</b>
Total FY03	\$269,792,373	\$15,301,394	285,093,767
<b>TOTAL BASIC PERIOD</b>	<b>\$1,164,872,843</b>	<b>\$65,579,003</b>	<b>1,230,451,846</b>
<b>Option Period 1 Oct 03 - 30 Sept 04</b>			
Option 1A (10/01/03-09/30/04)	\$243,940,799	\$15,307,320	259,248,119
Neg. Cost Overrun MOD 135	\$22,135,767	\$0	22,135,767
Cost Overrun	\$0	\$0	0
Mod No. Cost Overrun			0
<b>Mod No. 343</b>	<b>\$134,800</b>	<b>\$10,408</b>	<b>145,208</b>
Total FY04	\$266,211,366	\$15,317,728	281,529,094
Option 3BA (10/01/03-09/30/04)	\$2,322,030	\$185,762	2,507,792
Option 5BA (10/01/03-09/30/04)	\$321,092	\$25,687	346,779
<b>TOTAL OPTION 1A PERIOD</b>	<b>\$268,854,488</b>	<b>\$15,529,177</b>	<b>284,383,665</b>

<b>Option Period 1 Oct 04 - 30 Sept 06</b>			
<b>Contract Period</b>	<b>Estimated Cost</b>	<b>Available Award Fee*</b>	<b>Contract Value</b>
Options Thru Mod 339			
OPTION 1B			
(10/01/04-09/30/05)	\$278,109,269	\$16,991,856	295,101,125
Neg. Cost Overrun MOD 135	\$25,895,945	\$0	25,895,945
Cost Overrun	\$0	\$0	0
Mod No. Cost Overrun			0
<b>Mod No. 343</b>	<b>\$68,788</b>	<b>\$5,060</b>	<b>73,848</b>
Total FY05	\$304,074,002	\$16,996,916	321,070,918
(10/01/05-09/30/06)	\$275,532,809	\$18,239,017	293,771,826
Neg. Cost Overrun MOD 135	\$29,101,654	\$0	29,101,654
Cost Overrun	\$0	\$0	0
Mod No. Cost Overrun			0
<b>Mod No. 339</b>			<b>0</b>
Total FY06	\$304,634,463	\$18,239,017	322,873,480
Option 3BB			
10/01/04-09/30/05	\$2,391,149	\$191,292	2,582,441
10/01/05-09/30/06	\$2,477,883	\$198,231	2,676,114
Total Option 3BB	\$4,869,032	\$389,523	5,258,555
Option 5BB			
10/01/04-09/30/05	\$331,342	\$26,507	357,849
10/01/05-09/30/06	\$331,781	\$26,542	358,323
Total Option 5BB	\$663,123	\$53,049	716,172
<b>TOTAL OPTION 1B Period</b>	<b>\$614,240,620</b>	<b>\$35,678,505</b>	<b>649,919,125</b>
TOTAL CONTRACT			
VALUE SEP98-SEP06	<b>\$2,047,967,951</b>	<b>\$116,786,685</b>	<b>2,164,754,636</b>
*Earned fees for past periods plus the available fees for future periods.			
Exercised options are moved above the Total Contract Value Line.			
<b>Option Periods 1 Oct 06 - 30 Sep 08</b>			
<b>Contract Period</b>	<b>Estimated Cost</b>	<b>Available Award Fee*</b>	<b>Contract Value</b>
OPTION 1C			
(10/01/06-9/30/07)	\$267,710,203	\$17,565,637	285,275,840
Neg. Cost Overrun MOD 135	\$31,867,270	\$0	31,867,270
Cost Overrun	\$0	\$0	0
Mod No. Cost Overrun			0
<b>Mod No.</b>			<b>0</b>
Total FY07	\$299,577,473	\$17,565,637	317,143,110
(10/01/07-9/30/08)	\$274,574,925	\$18,004,552	292,579,477
Neg. Cost Overrun MOD 135	\$33,448,837	\$0	33,448,837
Cost Overrun	\$0	\$0	0
Mod No. Cost Overrun			0
<b>Mod No.</b>			<b>0</b>
Total FY08	\$308,023,762	\$18,004,552	326,028,314

	<b>Option Periods 1 Oct 06 - 30 Sep 08 Cont.</b>		
Option 3BC			
10/01/06-09/30/07	\$2,539,810	\$203,185	2,742,995
10/01/07-09/30/08	\$2,621,598	\$209,728	2,831,326
<b>Total Option 3BC</b>	<b>\$5,161,408</b>	<b>\$412,913</b>	<b>5,574,321</b>
Option 4BB			
10/01/04-09/30/05	\$0	\$0	0
10/01/05-09/30/06	\$0	\$0	0
<b>Total Option 4BB</b>	<b>\$0</b>	<b>\$0</b>	<b>0</b>
Option 4BC			
10/01/06-09/30/07	\$775,654	\$62,053	837,707
10/01/07-09/30/08	\$775,654	\$62,052	837,706
<b>Total Option 4BC</b>	<b>\$1,551,308</b>	<b>\$124,105</b>	<b>1,675,413</b>
Option 5BC			
10/01/06-09/30/07	\$332,204	\$26,576	358,780
10/01/07-09/30/08	\$341,511	\$27,321	368,832
<b>Total Option 5BC</b>	<b>\$673,715</b>	<b>\$53,897</b>	<b>727,612</b>
<b>TOTAL OPTION 1C Period</b>	<b>\$614,987,666</b>	<b>\$36,161,104</b>	<b>651,148,770</b>
<b>TOTAL CONTRACT</b>			
<b>VALUE INC. OPTIONS</b>	<b>\$2,662,955,617</b>	<b>\$152,947,789</b>	<b>2,815,903,406</b>
*Earned fees for past periods plus the available fees for future periods			
Exercised options are moved above the Total Contract Value Line.			

**ARTICLE B-4 AWARD FEE**

The amount of award fee earned, if any, shall be determined in accordance with Section J, Attachment J-8, Award Fee Evaluation Plan, and other provisions of this contract as applicable. The following specifies by award fee period the amount of available award fee, the amount of earned award fee, and the award fee score.

BASIC PERIOD OF PERFORMANCE		Available Award Fee Through Mod 339	Total Award Fee For Mod 343	Adjusted Available Award Fee	Earned Award Fee Mod 339	Earned Award Fee Mod 343	Earned Award Fee	Award Fee Score and Mod
10/01/98	03/31/99	\$7,681,869		\$7,681,869	\$6,132,255		\$6,132,255	80% Mod 15
04/01/99	09/30/99	\$6,033,858		\$6,033,858	\$4,840,776		\$4,840,776	80% Mod 36
10/01/99	03/31/00	\$7,830,934		\$7,830,934	\$6,730,849		\$6,730,849	86% Mod 57
04/01/00	09/30/00	\$6,451,003		\$6,451,003	\$5,479,523		\$5,479,523	85% Mod 75
10/01/00	03/31/01	\$7,589,239		\$7,589,239	\$6,755,525		\$6,755,525	89% Mod 99
04/01/01	09/30/01	\$6,976,249		\$6,976,249	\$6,292,749		\$6,292,749	91%Mod118
10/01/01	03/31/02	\$5,863,642		\$5,863,642	\$5,332,324		\$5,332,324	91%Mod127
04/01/02	09/30/02	\$9,798,867		\$9,798,867	\$8,713,609		\$8,713,609	92%Mod147
10/01/02	03/31/03	\$8,113,235	<b>\$8,392</b>	\$8,121,627	\$7,596,008	<b>\$7,888</b>	\$7,603,896	94%Mod167
04/01/03	09/30/03	\$8,120,433	<b>\$8,450</b>	\$8,128,883	\$7,689,468	<b>\$8,028</b>	\$7,697,496	95%Mod194
10/01/03	03/31/04	\$7,893,918	<b>\$5,398</b>	\$7,899,316	\$7,558,198	<b>\$5,182</b>	\$7,563,380	96%Mod220
04/01/04	09/30/04	\$8,222,350	<b>\$5,388</b>	\$8,227,738	\$7,960,571	<b>\$5,226</b>	\$7,965,797	97%Mod248
10/01/04	03/31/05	\$9,785,728	<b>\$2,750</b>	\$9,788,478	\$9,089,775	<b>\$2,558</b>	\$9,092,332	93%Mod 283
04/01/05	09/30/05	\$8,938,420	<b>\$2,750</b>	\$8,941,170	\$8,119,881	<b>\$2,503</b>	\$8,122,384	91%Mod325
10/01/05	03/31/06	\$9,720,845		\$9,720,845				
04/01/06	09/30/06	\$8,742,945		\$8,742,945				
<b>BASIC SUBTOTAL</b>		<b>\$127,763,535</b>		<b>\$127,796,663</b>			<b>\$116,786,685</b>	Earned & Available
<b>OPTION PERIOD</b>								
10/01/06	03/31/07	\$8,773,849		\$8,773,849				
04/01/07	09/30/07	\$8,792,790		\$8,792,790				
10/01/07	03/31/08	\$8,991,826		\$8,991,826				
04/01/08	09/30/08	\$9,011,725		\$9,011,725				
<b>OPTION SUBTOTAL</b>		<b>\$35,570,190</b>		<b>\$35,570,190</b>				
<b>GRAND TOTAL</b>		<b>\$163,333,725</b>		<b>\$163,366,853</b>				

ARTICLE G-2		CONTRACT FUNDING				
Pursuant to FAR Clause 52.232.22, Limitation of Funds, funds presently allotted to this contract and the period through which they are estimated to be adequate are specified in the table below:						
The below table is created with the beginning values based on modification 314						
<u>As of MOD</u>	<u>Contract Value</u>	<u>Funded Cost</u>	<u>Funded Fee</u>	<u>Total Funded Cost/Fee</u>	<u>ADEQUATE THROUGH</u>	
Subtotal as of Mod 314	\$2,167,434,213	\$1,756,421,206	\$141,531,159	\$ 1,897,952,365	12/9/2005	
315	\$1,035,074					
316	\$351,698					
317	\$186,502					
318	(\$176,269)					
319	\$221,637					
320		3,379,977	270,398	\$ 3,650,375		
322	\$70,715					
324		\$8,092,038	\$647,363	\$ 8,739,401		
325	(\$909,331)					
326	(\$4,201,097)					
328	\$160,624					
329		\$9,362,802	\$749,024	\$ 10,111,826	1/3/2006	
330	\$164,916					
331	\$1,484,997					
332		\$40,262,731	\$3,221,019	\$ 43,483,750	2/14/2006	
335		\$4,697,200	\$375,776	\$ 5,072,976	3/1/2006	
336	\$96,547					
337	(\$2,236,402)					
338	\$83,413					
339	\$541,892					
340		\$92,504,150	\$7,400,332	\$ 99,904,482	6/23/2006	
343	\$445,507					
346		\$19,335,447	\$1,546,836	\$ 20,882,283	7/18/2006	
<b>TOTAL</b>	<b>\$2,164,754,636</b>	<b>\$1,934,055,551</b>	<b>\$155,741,907</b>	<b>\$2,089,797,458</b>		

**NAS10-99001**

**JOINT BASE OPERATIONS AND SUPPORT**

**CONTRACT**

**ATTACHMENT J-4**

**COMPLIANCE DOCUMENTS**

## COMPLIANCE DOCUMENTS

WBS	Document Number	Rev. Date	Document Name	Mod Number
1.1.1.1	45 SW Base Support Policy	06/00	Policy for Commercial Launch/Range Customers on Sources of Base Support	Mod 205
1.1.1.1	KPD 8630.3C	09/03	KSC Shuttle Process Flight Readiness Certification Review Plan	
1.1.1.1	ELV/EELV 501.97	Draft	Universal Document System	
1.2	29 CFR 1910.119	11/95	Process Safety Management Standard	Mod 205
1.2	EWR 127-1 (T)	03/95	Eastern and Western Range Safety Policies and Processes	
1.2	KNPR 8715.3 (T)	12/04	KSC Safety Practices Procedural Requirements	Mod 255
1.3.2	45 SWI 65-601	06/03	Reimbursement Policy	Mod 205
1.3.2	NPR 9501.2D	05/01	NASA Contractor Financial Management Reporting	Mod 205
1.4.1	ANSI/ISO/ASQ-9001-2000	12/00	Standard, "Quality Systems-Model for Quality Assurance in Design, Production, Installation and Servicing"	Mod 205
1.4.1	NHB 5300.4 (1B)	04/69	Quality Program Provisions for Aeronautical & Space System Contractor	
1.4.1	KNPR 8720.1	11/04	KSC Reliability, Maintainability, and Quality Assurance Procedural Requirements	Mod 266
1.4.2	NSTS 22206	07/01	Requirements for Preparation and Approval of Failure Modes and Effects Analysis (FMEA) and Critics Items List (CIL)	Mod 205
1.4.2	NASA STD 8719.7	01/98	Facility System Safety Guidebook	Mod 205
1.4.2	NSTS 07700 Volume V	10/03	Information Management Requirement	Mod 205
1.4.2	NSTS 22206	07/01	Requirements for Preparation and Approval of Failure Modes and Effects Analysis (FMEA) and Critics Items List (CIL)	Mod 205
1.4.2	NSTS 22254	07/01	Methodology for Conduct of Space Shuttle Hazard Analyses	Mod 205
1.4.2	NSTS 07700, Volume X	10/03	Flight and Control System Specification – Book 1, Requirements	Mod 205
1.4.2.1	NASA-STD-8729.1	12/98	Planning, Developing, and Managing an Effective Reliability and Maintainability (R&M) Program	Mod 205
1.4.3	KHB 1710.2E	04/02	Kennedy Space Center Safety Practices Handbook	Mod 205
1.4.3	GIDEP S0300-BT-PRO-010 and S0300-BU-GYD-010	11/94	Government/Industry Data Exchange Program (GIDEP) Operation Manual	Mod 205
2.1	NPG 8820.2C	04/97	Facility Project Implementation Handbook	Mod 205
2.1	NAS-STD-8719.11	08/00	Safety Standard for Fire Protection	Mod 205

## COMPLIANCE DOCUMENTS

WBS	Document Number	Rev. Date	Document Name	Mod Number
2.1.1	NAVFAC MO-322	07/77	Inspection of Shore Facilities, Volume 1	
2.1.1.1	AFI 32-9005	09/94	Real Property Accountability and Reporting	
2.1.1.1	NPD 8800.14B	11/02	Policy for Real Property Management	
2.1.1.1	AFI 32-9001	07/94	Acquisition of Real Property	Mod 205
2.1.1.1	AFI 32-9002	11/93	Use of Real Property Facilities	Mod 205
2.1.1.1	AFI 32-9003	08/97	Granting Temporary Use of Air Force Real Property	Mod 205
2.1.1.1	AFI 32-9004	07/94	Disposal of Real Property	Mod 205
2.1.1.2	KHB 1200.1E	04/01	Facilities, Systems, and Equipment Management Handbook	Mod 205
2.1.1.2	45 SWI 32-1007	06/98	Building Space Assignment – CCAFS & FL Annexes	Mod 205
2.1.1.3	AFI 32-7062	10/97	Air Force Comprehensive Planning	Mod 205
2.1.1.3	AFPAM 90-902	12/00	Operational Risk Management (ORM) Guidelines and Tools	Mod 205
2.1.1.3	UFC 3-260-1	11/01	Design: Airfield and Heliport Planning and Designing	Mod 205
2.1.1.4	AFI 32-1021	01/03	Planning and Programming of Facility Construction Projects	Mod 205
2.1.1.4	AFI 32-1022	06/94	Planning and Programming Non-appropriated Fund Facility Construction Projects	Mod 205
2.1.1.5	PLP-MP-RP01	12/03	CCSGIS Maintenance Plan	Mod 205
2.1.1.17	OPNAVINST 11010.34	02/87	Instructions for Preparation and Submission of the Type “A” Annual Inspection Summary and Narrative Assessment	Mod 205
2.1.2.1	45 SW Facilities Excellence Plan (FEP)	04/01	45 SW Facilities Excellence Plan (FEP)	Mod 205
2.1.2.3.1	KHB 1710.2	04/02	Kennedy Space Center Safety Practices Handbook	Mod 205
2.1.2.3.1	FAA AC 150/5320-12C	03/97	Measurement, Construction, and Maintenance of Skid-resistant Airport Pavement Surfaces	Mod 205
2.1.2.3.2	State of Florida Statue 335.074	2003	Safety Inspections of Bridges	Mod 205
2.1.2.3.2	FAA AC 150/5380-6A	07/03	Guidelines and Procedures for Maintenance of Airport Pavements	Mod 205
2.1.2.3.4	Part 49 CFR, Chapter 1, Subchapters A,B, and C, Chapter III, Subchapters A and B	10/03	Code of Federal Regulations	Mod 205
2.1.2.4	Facility Number Report (CMDS/CID)	11/97	Facility Number Report (CMDS/CID)	Mod 205
2.1.4	AFEPPM 96-3	06/96	Air Force Energy Program Procedural Memorandum	
2.1.4.1	NPR 8570.1, Chapter 4	03/01	Energy Efficiency and Water Technology and Practices	Mod 205
2.1.4.1	Executive Order 13123	06/99	Greening the Government Through Efficient Energy Management	Mod 205
2.2.1	NPG 8820.2C	04/97	Facility Project Implementation Handbook	Mod 205

## COMPLIANCE DOCUMENTS

<b>WBS</b>	<b>Document Number</b>	<b>Rev. Date</b>	<b>Document Name</b>	<b>Mod Number</b>
2.2.1	NPR 8831.2D	07/01	Facilities Maintenance and Energy Management Handbook	Mod 205
2.2.1	KCA# 4047	07/98	Interconnection Agreement Between Florida Power & Light Company and the National Aeronautics and Space Administration.	Mod 299
2.2.1.4	AFI 32-1032	10/03	Planning and Programming Real Property Maintenance Projects Using Appropriated Funds	Mod 205
2.2.1.8	KPD 8630.3C	09/03	KSC Shuttle Process Flight Readiness Certification Review	
2.2.1.8	ELV/EELV	Draft	Universal Documentation System	
2.2.1.12	AFI 32-1054	03/00	Corrosion Control	Mod 205
2.2.1.12	AFM 85-5	02/82	Guidelines for Preparing Cathodic Protection Annual Performance Booklet	Mod 205
2.2.1.14	Asbestos Management (T)	07/94	Asbestos Management and Operations Plan	Mod 205
2.2.1.17	NAVFAC P-307	10/96	Management of Weight Handling Equipment (T)	Mod 205
2.2.1.17	NAVFAC MO-322, Vol. 1	07/77	Inspection of Shore Facilities, Volume 1	Mod 205
2.2.1.19	KCI-HB-5340.1	03/95	Payload Facility Contamination Control Implementation Plan	Mod 205
2.2.1.19	FED-STD-209E	09/92	Federal Standard Airborne Particulate Cleanliness Classes in Clean Rooms and Clean Zones	Mod 205
2.2.2.1	Florida Green Book	05/02	Florida Department of Transportation Manual of Uniform Minimum Standards for Design, Construction, and Maintenance for Streets and Highways	
3.1.1.2	Federal Aviation Regulation (FAR) Part 139	01/03	Certifications and Operations; Land Airports Serving Certain Air Carriers	Mod 205
3.1.1.2	NFPA (T)	01/03	National Fire Protection Association Standards	Mod 205
3.1.1.14	29 CFR 1910.134	G3	Code of Federal Regulations, Respiratory Protection	
3.1.1.14	29 CFR 1910.120(q)	Q	Code of Federal Regulations, Hazardous Waste Operations and Emergency Response	
3.1.2.1	NPR 1620.1A	10/02	NASA Security Requirements Manual	Mod 205
3.1.2.1	AFI 31-101	06/00	The Air Force Installation Security Program	Mod 205
3.1.2.6	45 SW OPLAN 31-101, V2	08/00	Base Security Plan	Mod 205
3.1.2.9	AFI 31-207	09/99	Arming and Use of Force by Air Force Personnel	Mod 205
3.1.2.9	SI-PSO-IMI-FAAP-1	07/97	NASA Lead Center for FAAP	Mod 205
3.1.3	JHB 2000 Rev B	04/04	Consolidated Comprehensive Emergency Management Plan	Mod 232
3.1.3	Executive Order 12148, Section 2-101	08/82	Federal Emergency Management	

COMPLIANCE DOCUMENTS

<b>WBS</b>	<b>Document Number</b>	<b>Rev. Date</b>	<b>Document Name</b>	<b>Mod Number</b>
3.1.3	Executive Order 12472	04/84	Telecommunications Emergency Preparedness	
3.1.3	Executive Order 12656	11/88	Assignment of Emergency Preparedness Responsibilities	

## COMPLIANCE DOCUMENTS

<b>WBS</b>	<b>Document Number</b>	<b>Rev. Date</b>	<b>Document Name</b>	<b>Mod Number</b>
3.1.3	Federal Radiological Emergency Response Plan	05/96	Federal Radiological Emergency Response Plan (FRERP)	
3.2	JSC SE-S-0073, Change No. 94	01/04	Specification for Space Shuttle Fluid Procurement & Use Control	Mod 205
3.2.1	AFI 32-7086	07/97	Hazardous Material Management	
3.2.1.3	NPR 4300.1	07/99	NASA Personal Property Disposal Procedures and Guidelines	Mod 205
3.2.2	ICAO	96-98	International Civil Aviation Organization	
3.2.2	IMDG	1996	International Maritime Dangerous Goods	
3.2.2	SA 15A-1-13	07/03	437 MAW	Mod 205
3.2.2	SA 15A-1-16	04/03	Detachment 3 ASC	Mod 205
3.2.2	SA 15A-1-19	09/02	HQ AFROTC (Sr. ROTC)	Mod 205
3.2.2	SA 15A-1-1	02/99	920 <sup>th</sup> RQW	Mod 205
3.2.2	SA 15A-1-2	12/02	333 USAFRSQ	Mod 205
3.2.2	SA 15A-1-32	07/01	ESC/OL-AT (JOINT STARS)	Mod 205
3.2.2	SA 15A-1-36	06/02	HQ AFROTC (Jr. ROTC)	Mod 205
3.2.2	SA 15A-1-7	12/02	114 CCS	Mod 205
3.2.2	SA 15A-1-9	08/02	AFTAC	Mod 205
3.2.2	SA 15B-1-1	09/02	MSCO	Mod 205
3.2.2	SA 15B-1-4	05/03	NOTU	Mod 205
3.2.2	SA 15B-1-5	11/02	CD, NSWC	Mod 205
3.2.2	SA 15C-1-2	12/01	MTMCCCD	Mod 205
3.2.2	SA 15C-1-5	01/01	USARG	Mod 205
3.2.2	SA 15D-1-2	04/03	DEOMI	Mod 205
3.2.2	SA 15D-1-6	09/03	DRMO	Mod 205
3.2.2	SA 15D-1-13	08/03	DIA	Mod 205
3.2.2	SA 15D-1-9	07/03	DCMC	Mod 205
3.2.2	SA 15E-1-5	05/01	DOS-INM-ISA	Mod 205
3.2.2	ST/SG/AC.10/1/Rev. 9	9 <sup>th</sup> ed.	United Nations Recommendations on the Transport of Dangerous Goods	
3.2.2	45 SW OPLAN 10-403	09/96	Installation Deployment Plan	

## COMPLIANCE DOCUMENTS

WBS	Document Number	Rev. Date	Document Name	Mod Number
3.2.2	45 SW OPLAN10-404	10/02	Base Support Plan	Mod 205
3.2.2	IATA	97 <sup>th</sup> ed.	International Airline Transportation Association	
3.2.2.2	AFI 24-301 (T)	04/95	Vehicle Operations	
3.2.3.1	ASNT-SNT-TC-1A	01/01	Personnel Qualification and Certification in NDE Testing Recommended Practice	Mod 205
<b>3.2.3.1</b>	<b>KNPR 1860.1</b>	<b>10/04</b>	<b>KSC Ionizing Radiation Protection Program</b>	<b>Mod 347</b>
3.2.3.1	AFI 40-201	09/00	Managing the Radiation Protection Program in the USAF	Mod 205
3.2.3.1	Florida Administrative Code (FAC) Chapter 64E-5, 434	12/01	Control of Radiation Hazards Regulation	Mod 205
3.2.3.1	Title 10, Chapter 1, Code of Federal Regulations Part 34.43	04/03	US Nuclear Regulatory Commission	Mod 205
3.2.3.1	Title 49, Chapter 1, Code of Federal Regulations Part 100-185	10/01	Department of Transportation	Mod 205
3.2.3.1	ANSI/ASNT CP-189	01/01	Standard for Qualification and Certification of Nondestructive Testing Personnel	Mod 205
3.2.3.1	NAS-410	02/03	Nondestructive Testing Personnel Qualification and Certification	Mod 205
3.2.3.2	45 SWI 21-101	06/98	Repair, Calibration, and Certification of Test, Measurement, and Diagnostic Equipment	Mod 205
3.2.3.2	ANSI/NCSL Z540-1994	94	Calibration Laboratories and Measuring & Test Equipment – General Requirements	Mod 205
3.2.3.2	T.O. 33K-1-100	05/03	TMDE Interval, Calibration and Repair, T.O. Reference Guide and Work Unit Code Manual (Option 3A and 3B Requirement Only)	Mod 205
3.2.3.2	T.O. 00-20-14	03/03	Technical Manual Air Force Metrology and Calibration Program (Option 3A and 3B Requirement Only)	Mod 205
3.2.3.3	JSC SE-S-0073, Change No. 94	01/04	Specification for Space Shuttle Fluid Procurement & Use Control	Mod 205
3.2.3.3	SW 846, Rev 3	1980	EPA Solid Waste Manual	Mod 205
3.2.3.4	KSC-C-123, Revision H	09/05	Surface Cleanliness of Fluid Systems, Specification for	Mod 205

## COMPLIANCE DOCUMENTS

<b>WBS</b>	<b>Document Number</b>	<b>Rev. Date</b>	<b>Document Name</b>	<b>Mod Number</b>
3.2.4	BB-F-1421, Revision B	03/82	Refrigerant 21	Mod 205
3.2.4	KSC-SPEC-P-0017	10/94	Specification for Propellants, Recovered Hydrazine Family Fuels	
3.2.4	KSC-SPEC-P-0018	07/95	Propellants, Recovered Nitrogen Tetroxide Solutions, Specifications for	
3.2.4	KSC-STD-Z-0006, Revision B	10/95	Design of Hypergolic Propellants Ground Support Equipment, Standard for	
3.2.4	KSC-STD-Z-0008, Revision C	10/96	Design of Ground Life Support Systems and Equipment, Standard for	
3.2.4	KSC-STD-Z-0009, Revision C	08/94	Design of Cryogenic Ground Support Equipment, Standard for	
3.2.4	MIL-M-12218, Revision C, Notice 1	06/97	Monobromotrifluoromethane (Liquefied), Technical Grade for Fire Extinguishers (MIL-M-12218C has been canceled without replacement)	
3.2.4	MIL-PRF-27210, Revision G	04/97	Oxygen, Aviator's Breathing, Liquid and Gas	
3.2.4	MIL-PRF-25508, Revision F	10/95	Propellant, Oxygen	
3.2.4	MIL-P-25576, Revision C, Amendment 2	06/82	Propellant, Kerosene (RP-1)	
3.2.4	MIL-P-26536, Revision E, Amendment 1	09/97	Propellant, Hydrazine	Mod 205
3.2.4	MIL-P-26539, Revision E, Amendment 2	10/97	Propellant, Nitrogen Tetroxide	Mod 205
3.2.4	MIL-PRF-27401, Revision D	10/95	Propellant, Pressurizing Agent, Nitrogen	
3.2.4	MIL-P-27402, Revision C, Amendment 1	10/97	Propellant, Hydrazine-uns-Dimethylhydrazine (Aerazine-50)	Mod 205
3.2.4	MIL-P-27404, Revision C	10/97	Propellant, Monomethylhydrazine	Mod 205
3.2.4	MIL-P-27407, Revision B	08/97	Propellant, Pressurizing Agent, Helium	Mod 205
3.2.4	MIL-P-27415A, Amendment 1	12/97	Propellant, Pressurizing Agent, Argon	Mod 205
3.2.4	MIL-PRF-27201, Revision C	12/95	Propellant, Hydrogen	
3.2.4	MIL-T-83133, Revision D, Amendment 1	09/95	Turbine Fuel, Aviation, Kerosene Types, NATO F-34 (JP-8) and NATO F-35	
3.2.4	NASA-STD-6001	02/98	Flammability, Odor, Off-gassing, and Compatibility Requirements and Test Procedures for Materials in Environments that Support Combustion	
3.2.4	O-A-445, Revision B, Amendment 1	05/83	Ammonia, Technical (Shuttle Grade)	
3.2.4	AFM 23-110, Volume 1, part 3, chapter 4	07/98	Missile Fuels	Mod 205
3.2.4	TT-I-735, Revision A, Amendment 3, Notice 2	04/01	Isopropyl Alcohol	Mod 205

## COMPLIANCE DOCUMENTS

<b>WBS</b>	<b>Document Number</b>	<b>Rev. Date</b>	<b>Document Name</b>	<b>Mod Number</b>
3.2.5	FAAO 7110.65P	02/04	Air Traffic Control (SLF/Skid Strip)	Mod 232
3.2.5	FAAO 7220.2A	09/89	Operational Position Standards (SLF)	Mod 205
3.2.5	FAR Part 139	11/87	Certification and Operations: Land Airports Serving Certain Carriers (SLF)	
3.2.5	45 SWI 13-201	02/00	Eastern Range Airspace Management Procedures	Mod 205
3.2.5	NPR 7900-3	04/99	Aircraft Operations Management	Mod 205
3.2.5.1	FAA Approval Letter	12/01	Definition of NASA 4 Maintenance Program (PAFB)	Mod 205
3.2.5.1	FAR Part 43	01/02	Maintenance, Preventative Maintenance, Rebuilding and Alteration (PAFB)	Mod 205
3.2.5.1	FAR Part 65	01/95	Certification: Airmen Other Than Flight Crewmembers (PAFB)	Mod 205
3.2.5.2	FAAH 7210.3T	02/04	Facility Operation and Administration (SLF)	Mod 232
3.2.5.2	Federal Air Regulation (FAR) Part 1	04/97	Definitions and Abbreviations (SLF)	
3.2.5.2	FAR Part 73	01/81	Special Use Airspace (SLF)	Mod 205
3.2.5.2	FAAO 7610.4K, Chapter 13	02/04	Special Military Operations	Mod 232
3.2.5.3	45 SWI 13-202	12/94	Use of Cape Canaveral Air Station (CCAFS) (Skid Strip)	Mod 205
3.2.5.3	AFI 13-203	08/97	Air Traffic Control (Chapters 1-3, 5-8, 10 & 11) (Skid Strip)	Mod 205
3.2.5.3	AFI 13-213	08/97	Airfield Management (Chapters 1-6 & 8) (Skid Strip)	Mod 205
3.2.5.3	AFI 13-213, Supplement 1	12/96	AFSPC 1 Supplement (Skid Strip)	Mod 205
3.2.5.3	AFI 13-218	11/95	Air Traffic System Evaluation Program (Skid Strip)	Mod 205
3.2.5.3	FAAH 7110.10L	07/96	Flight Services (Skid Strip)	Mod 205
3.2.5.3	FAAO 6850.5C	03/95	Maintenance of Lighted Navigational Aids (Skid Strip)	Mod 205
3.2.5.3	FAR Part 91	04/97	General Operating and Flight Rules (Skid Strip)	Mod 205
3.2.6	OPLAN 32-3, Vol. V-VIII	09/97	Spill Prevention, Control, and Countermeasures Plan	Mod 205
3.2.6.2	OPLAN 32-3, Vol. IIIA	09/97	Oil Spill Contingency Plan	Mod 205
3.2.6.2	OPLAN 32-3, Vol. IIIB	09/97	Emergency Response Action Plan	Mod 205
3.2.6.2	KNPR 8500.1	12/04	KSC Environmental Requirements	Mod 310
3.3	NASA Technical Standards	07/97	Series 2000, Computer Systems, Software & Data Systems	Mod 205
3.3	Procurement Information Circular (PIC) 04-03	03/05	System Administrator Security Certification Program	Mod 269
3.3	NPR 2820.1	05/98	NASA Software (Management Assurance and Engineering Policy)	Mod 205

## COMPLIANCE DOCUMENTS

WBS	Document Number	Rev. Date	Document Name	Mod Number
3.3	OMB Circular A-11, Transmittal Memorandum #70, Part 3 & Supplement to Part 3	10/97	Planning, Budgeting, and Acquisition of Capital Assets & capital Planning Guides	Mod 205
3.3	OMB Circular A-130, App III	02/96	Management of Federal Information Resources	Mod 205
3.3	AFI 33-118	08/97	Radio Frequency Spectrum Management	Mod 205
3.3	KNPG 2570.1A	02/95	KSC Radio Frequency Spectrum Management Handbook	Mod 205
3.3.2	NPR 2810.1	08/99	Security for Information Technology	Mod 205
3.4.1.1	NPR 1490.5A	07/97	NASA Procedures and Guidelines for Printing, Duplicating, and Copying Management	Mod 205
3.4.3	USPS Domestic Mail Manual	01/96	United States Postal Service Domestic Mail Manual	
3.4.3	USPS International Mail Manual	07/96	United States Postal Service International Mail Manual	
3.5.1.1	KBM-PL-1-3	09/02	KSC Emergency Medical Services Plan	Mod 232
3.5.1.1	KNPR 1810.1	09/04	KSC Occupational Medicine Program	Mod 297
3.5.1.1	JHB2000 Rev B	4/04	Consolidated Comprehensive Emergency Management Plan	Mod 232
3.5.1.2	KBM-ST-2.1	02/99	Medical Standards	Mod 205
3.5.2	KNPR 1820..3	10/04	KSC Hearing Loss Prevention Program	Mod 297
3.5.2	KNPR 1820.4	10/04	KSC Respiratory Protection Program	Mod 297
3.5.2	KNPR 1840.19	10/04	KSC Industrial Hygiene Program	Mod 297
3.5.2	KNPR 1860.1	10/04	KSC <b>Ionizing</b> Radiation Protection Program	<b>Mod 347</b>
3.5.2	KNPR 1870.1	10/04	KSC Sanitation Program	Mod 297
3.5.2	KNPD 1800.2B	06/02	KSC Hazard Communications	Mod 205
3.5.2	KNPD 1800.1	09/04	KSC Environmental Health Program	Mod 297
3.5.2	KSC-PLN-1903, Basic	N/A	Radiological Controls for Major Radiological	Mod 205
3.5.2.1	ACGIH	2003	Threshold Limit Values for Chemical Substances and Physical Agents	Mod 205
3.5.2.1	OSHA 1910.1000	05/71	Air Contaminants	Mod 205
3.5.3	32 CFR 989	03/03	Environmental Impact Analysis Process	Mod 205
3.5.3	AFI 32-7001	05/94	Environmental Budgeting	Mod 205
3.5.3	AFI 32-7045	07/98	Environmental Compliance Assessment and Management Program	Mod 205
3.5.3	KNPR 8500.1	12/04	KSC Environmental Requirements	Mod 310

**JBOSC Technical Exhibit 7.0-007**

**NASA Computer Systems, Applications, and Databases**

**15 December 2005**

**(Mod 347)**

15 December 2005

**REVISION RECORD**

The following revisions have been applied to this document:

Revision Date	Description
13 November 2003	General update.
17 June 2004	<p>This revision includes updates to program count information, system descriptions, system identifiers, security plan information and point-of-contact information</p> <p><b>Systems removed:</b></p> <p>FF06 Non Destructive Evaluation (NDE) TA12 Facility Project Management System (FPMS)</p> <p><b>Systems added:</b></p> <p>JB04 Training Resource Automation Center (TRAC) JB27 Technical Training Mgmt System (TTMS) JB31 Facility Information Center JB49 The BIG Access Database JB50 Health &amp; Resource System (HERS) JB51 Health Unit Management System (HUMS) JB52 Material Safety Data Sheets (MSDS)</p>
2 November, 2004	<p>This revision includes updates to program count information, system descriptions, system identifiers and point-of-contact information.</p> <p><b>Systems removed:</b></p> <p>RG60 Equipment Reconciliation</p> <p><b>Systems added:</b></p> <p>AA01 Senior Secretarial Council Website EA01 Business World Website IT03 NASA Correspondence Templates IT04 Combined Federal Campaign Application IT05 Environmental and Energy Awareness Week (EEAW) IT06 Education Calendar Application IT07 KSC Internal Home Page SA01 Area Access Application TA17 Safety Variance Request Process System (SVRPS) TA18 Surplus Property Sales Program TA20 Facility Space Utilization Application (FSUA) TA21 NASA Recycle &amp; Affirmative Procurement Web Site UB01 Florida Labor Management Application UB02 Master Plan/Acquisition Forecast Application XA02 Press Site Media Accreditation Application</p>

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Revision Date	Description
	XA03 Speakers Bureau Web Site Application XA04 KSC Public Web Pages XA05 Press Site Media Metrics Application XA06 NASA Multi Media Gallery Application XA07 Mission Quiz XA08 Site Survey Application XA09 Countdown Clock Application XA10 KSC Search Engine Application XA11 Conversion Utility Application
December 7, 2004  Approved by CCSMO  Mod 269	This revision includes the addition of 20 applications and the removal of 2 applications.  <b>Systems removed:</b> AC05 KSC Payroll Unique System GG03 SAP Budget Formulation  <b>Systems added:</b> BA04 KSC Human Resources Website EA02 Benchmarking Website IT09 Equipment Tracking System Application JB82 GIS – CCGIS Data Maintenance Sub-Application JB83 GIS – JBOSC Environmental Sub-Application JB84 GIS – Security Incident Tracking Sub-Application JP02 CCSMO Website PH11 DAAWG Website TA22 GIS – Cable Engineering Sub-Application TA23 GIS – Spaceport Map Viewer TA24 GIS – Electrical Ductbank Sub-Application TA25 GIS – Geodetic Control Sub-Application TA26 GIS – NASA Environmental Management Sub-Application TA27 GIS – Facility Floor Plans Sub-Application TA28 GIS – Excavation Permit Sub-Application TA29 GIS – Planning Sub-Application TA30 KSC Administrative Services Website TA31 Environmental and Energy Awareness Website TA32 Propellants Website UB03 Change Leaders Network Website
December 15, 2005	Removed the following entries representing individual Websites: AA01 Senior Secretarial Website, BA04 KSC Human Resources Website EA01 Business World Website, EA02 Benchmarking Website IT07 KSC Internal Home Page, JP02 CCSMO Website

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Revision Date	Description
	<p>PH11 DAAWG Website, TA21 NASA Recycle &amp; Affirmative Procurement Site  TA30 KSC Administrative Services Website  TA31 Environmental and Energy Awareness Website  TA32 Propellants Website, UB03 Change Leaders Network Website  XA04 KSC Public Web Pages</p> <p><b>Systems Removed</b>  AC02 NASA Personel/Payrol System (NPPS)  AC03 NASA Interactive Reporting System (NIPS)  AC06 Space Transportation Accounting Resources System (STARS)  AC07/GH29 KSC Labor Distribution System  AC08 STARS Interactive Reporting System (SIRS)  CCS Complex Control System  IT02 KSC Internet System (KIS)  JB09 Maximo – changed to Category 3  JB19 Joint Mission Operations Support Tool (JMOST) – changed to Category 3  JB52 Material Safety Data Sheets (MSDS) – changed to Category 3  PM93 KSC Personnel Unique System  RD12 Fire Services – Personnel Training Report System – Archived  SI40 Telephone Support Tracking System – Archived  SI54 NASA Contracts Tracking System - Archived</p> <p><b>Systems Added</b>  AA02 Achieving Cultural Excellence Application (ACE)  AF03 Vindicator – previously Category 3  AF05 ArcFM  EX04 NASA Exchange Council KARS Application  EX05 NASA Exchange Council Store Application  FIDS Flight Information Display System – previously Category 3  GG07 Federal Personnel and Payroll System  IT08 KSC NASA Holiday Dinner Application  IT11 KSC Picnic Application  JB14 KSC Engineering Documentation System (KEDS DRA) – previously Category 3  JB98 Skid Strip Flight Activity Application  JB105 Resource Protection Program Application  JB116 – IIMS – Maximo (KIMS)  JB117 Map 911 Application  SA03 Safety Concern Reporting System  TA35 Environmental Program Branch Application  TA39 Food Services Survey Application  TA40 Senior Management Planning Tool (SMPT)  TA41 Kennedy Complex Control Systems – JBOSC Utilities</p>

<b>Revision Date</b>	<b>Description</b>
	<p>TA43 Automated External Defibrillator XA13 KSC History Program Hall of Honor Application XA16 Question Board Application YA05 Airborne Field Mill (ABFM) YA06 Tropical Rainfall Measurement Mission (TRMM) YA07 Meteorological Interactive Data Display System (MIDDS)</p> <p>JBOSC Information Mangement conducted a review of all applications noted within this document and updated the Category designations as required to comply with the definitions.</p>

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**1. INTRODUCTION**

The Technical Exhibit 7.0-007 is referenced from Section J, Attachment J-12 of the Joint Base Operations Support Contract (JBOSC) as a workload indicator for Systems and Applications in support of the work performed under Section J, Attachment J-1, The Statement of Work, in Paragraphs 3.3.1 and 3.3.2. The system information provided in this document is maintained in the *JBOSC IT Systems Database*.

The applications and systems developed, operated, and maintained under the JBOSC, for the purposes of this document, fall generally into three categories.

1. Applications and Systems wherein the Government (or the Government's representative) desires direct input into the form, function, look and feel. Such applications and systems are normally managed under a Joint CCB where both the Government and Contractor participate in making decisions related to system changes and problems. The Data Owner of these applications and systems is almost exclusively one or more Government Individual(s)/Organization(s).
  2. Applications and Systems wherein the Government (or the Government's representative) will be the Data Owner of the system. The contractor is free to make changes to the system, to varying degrees, as long as the required function and or service is still provided. The Government does not normally participate in CCB activities.
  3. Applications and Systems where the contractor would be the data owner of the system. Category 3 systems are not included in this document.
- 2.

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## **COMPUTERS AND DATA COMMUNICATIONS SCOPE**

This document defines the general scope of WBS 3.3, Information Technology, including the hardware and related software components of each system within the responsibility of the Joint Base Operations Support Contract (JBOSC).

This WBS provides Sustaining Engineering, and Development of software applications and Websites. Sustaining Engineering is the process of keeping the legacy applications in an operational condition. This includes: Processing and Monitoring Job Schedules, Upgrading of Source Code, DBMS, Operating System, Hardware and Utilities as required due to Vendor releases; Backing up and Recovering software and data in addition to Disaster Recovery Testing, Customer Assistance and Training; Monitoring System Performance and Resource Utilization; Collecting and reporting Metrics requirements, and Archiving Obsolete Systems.

This functional area contains a full collection of hardware platforms ranging from mainframe, midrange, server, client, and portables. These computers are located at KSC, as well as other NASA Centers and Military Facilities. The hardware runs a multitude of Operating Systems, DBMS, Development Languages, and Utilities. Types of applications vary such as: simple standalone PC applications or; complex NASA Financial Management Systems or scientific mission critical applications or client/server and web based technology in a multi-tier environment. These applications are either legacy systems, custom developed by NASA or JBOSC, or COTS packages.

Development and sustainment of NASA Computer Systems, Applications, and Databases requires skills and experience in various areas, such as: programming, database administration, security administration, configuration management, network operations, network administration, help desk, and data entry.

### **2.1 NDC APPLICATIONS**

NDC Computer System is an IBM 9672-RB6 mainframe system as outlined in the OSF (Office of Space Flight) ADP (Automatic Data Processing) Consolidation Concepts Document. This system is known as the NDC (NASA Data Center) Mainframe (formerly known as NACC – NASA ADP Consolidation Center). The goal of NDC is to reduce the number of common hardware, software, and communications. Currently, the IBM 9672-RB6 mainframe is shared by KSC with other NASA Centers for Administration Computing. KSC's share of the mainframe is known as K14 LPAR (Logical Partition). This gives the appearance and control as if KSC has its own hardware and operating system. K14 LPAR contains Production and Test Domains.

KSC's NDC Computer consists of NASA applications such as: Human Resources, Financial Management; Equipment Management; and Procurement systems, etc. In addition, the system also houses Ground Support Applications for Space Vehicles such as CMDS and other miscellaneous applications. Sustaining Engineering requires support from all various sections of the Information Technology Division. Support is provided by JBOSC at KSC and by NDC at MSFC.

### **2.1.1 Areas of Responsibilities**

#### **Hardware**

The NDC IBM 9672-RB6 mainframe computer is located at the NDC site in Marshall Space Flight Center. The hardware located at KSC includes the 4725 Front-end Processor and the CNT; Docutech Servers and Printers; and a few IBM 3278 Terminals.

The NDC has the sole responsibility for the sustaining engineering, upgrade, and procurement of the NDC IBM Mainframe at MSFC. They also have responsibility for sustaining the 4725 Front-end Processor, CNT hardware, and the software located in the KSC CIF Computer room, while work efforts are coordinated with JBOSC Computer Operations.

#### **Software**

The NDC is responsible for the control software such as the: Operating Systems, Transaction Processors (CICS), Security Control Packages (ACF2/RACF), Network (Communications), System Utilities (TSO, File Aide, etc). KSC approves and provides feedback on the installation of these control software products through the NDC Change Request (CR) Process.

JBOSC is responsible for the following:

- Sustaining Engineering of Natural Applications used to meet KSC requirements.
- Providing installation support of Software AG Products, Utilities and Agency-wide applications.
- Supporting TIMs (Technical Interchange Meetings), DBA/Application VITS meetings, travel to Project Team Conferences, compliance to Audit requirements.
- Performing and coordinating Disaster Recovery Tests with KSC Customers, NDC, and the Host Hot Site.
- Providing DBA and Security services such as maintenance of accounts, ensuring compliance with NPG 2810 Guidelines, coordinating and consulting with NDC on security related business, system backup and recovery, monitoring system performance and resources.
- Providing operational support by Scheduling and Monitoring Jobs.
- Providing customer assistance and training; coordinate with NDC and ODIN Help Desks for problem resolution. Notify customers and broadcast outage.
- Assessing impacts and approving NDC Change Requests.
- Providing support to KSC NASA managers and NDC activities.
- Providing re-engineering support during the re-hosting of NDC IBM mainframe applications

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## 2.2 DISTRIBUTED COMPUTING APPLICATIONS

Distributed Computing Applications are supported for over 1,000 workstations implemented as stand-alone, file server based, Web and client-server applications. The stand-alone applications are on Personal Computers (PCs) that may or may not be connected to the Local Area Network (LAN) Server Systems. Connectivity for the file server based and client-server based applications uses the Local Area Network (LAN) Server Systems.

Distributed Computing Applications utilize Standard Hardware and Software Configuration as defined by the JBOSC IT department.

## 2.3 SYSTEMS AND APPLICATIONS

The table below lists all category 1 and 2 systems and applications maintained under the JBOSC.

CATEGORY	SYSTEM	NAME
1	AA02	Achieving Cultural Excellence Application (ACE)
2	AF01	Advanced Technology Electronic Security System (ATESS)
2	AF02	Video Imaging Computer System (VICS)
2	AF03	Vindicator
2	AF05	ArcFM
1	BA01	Awards Web Database 2 (AWD2)
1	BA02	Annual Training and Development Survey (ATDS)
2	CAD	Computer Aided Dispatch 4D
1	EX04	NASA Exchange Council KARS Application
1	EX05	NASA Exchange Council Store Application
1	FF10	KSC Electronic Forms Tracking System
2	FF11	KSC Engineering Documentation System (KEDS)
2	FF14	Engineering Documentation File Mgmt. (EDFM)
2	FIDS	Flight Information Display System (FIDS)
2	FK01	Fluids Inventory Management System (FIMS)
2	GD03	Acquisition Management Subsystem (AMS)
1	GG02	IEMP User Management System
1	GG04	SAP Core Finance
1	GG05	Core Financial Business Warehouse
1	GG06	Travel Manager
1	GG07	Federal Personnel and Payroll System
1	HM03	Goal Performance Evaluation System (GPES)
2	IM03	KSC Records Management System
2	IM08	Automatic Distribution Service System (ADSS)
2	IM10	Retired NASA Mailing Labels System
2	IM11	Miscellaneous Mailing Labels
2	IM12	One Label System
2	IM14	Invite for Bids Mailing Labels
2	IM35	Fleet Management Tracking System (FMTS)
2	IM76	Heavy Equipment Log

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CATEGORY	SYSTEM	NAME
2	IM78	KSC Locator Organization Labels
1	IT01	EDW - Self Service Management Tool (SSMT)
2	IT03	NASA Correspondence Templates
1	IT04	Combined Federal Campaign Application
1	IT05	Environmental and Energy Awareness Week (EEAW)
1	IT06	Education Calendar Application
1	IT08	KSC NASA Holiday Dinner Application
1	IT09	Equipment Tracking System Application
1	IT11	KSC Picnic Application
2	JB01	Fire PGMS CCAS/KSC Fire Rescue
2	JB02	Facilities Center
2	JB04	Training Resource Automation Center (TRAC)
1	JB06	Personnel Access Security System (PASS)
2	JB105	Resource Protection Program Application
1	JB11	Geographical Information System (GIS)
2	JB116	IIMS - Maximo (KIMS)
1	JB117	Map911 Application
2	JB14	KSC Engineering Documentation System (KEDS DRA)
2	JB15	Web Emergency Operations Center (Web EOC)
2	JB16	Emergency 911/Caller ID ANI/ALI (E911)
2	JB22	Analytical Information Management System (AIMS)
2	JB27	Technical Training Mgmt System (TTMS)
2	JB31	Facility Information Center
2	JB49	The BIG Access Database (BAD)
2	JB50	Health & Environmental Resource System (HERS)
2	JB51	Health Unit Management System (HUMS)
1	JB82	GIS - CCSGIS Data Maintenance Sub-Application
1	JB83	GIS - JBOSC Environmental Management Sub-Application
1	JB84	GIS - Security Incident Tracking Sub-Application
2	JB98	Skid Strip Flight Activity Application
2	JP01	CCSMO CCR Database
1	MD00	Configuration Management Data System (CMDS)
2	MD21	Asbestos Management Information System
2	OP03	Purchasing Account System
1	OP06	EXPO Exhibitor Registration Application
2	PA01	Public Affairs Metrics Tracking
2	PA04	Public Affairs Car Pass Tracking
1	PM50	KSC Training and Certification Record System
2	PM51	KSC Uniques for NTDS
2	PM92	NASA Training & Development System (NTDS)
2	RC02	KSC Locator
2	RD00	SPS Common Modules
2	RD01	Key Core Code Tracking System
2	RD02	NASA Personnel Security Information

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CATEGORY	SYSTEM	NAME
2	RD05	Security Awareness Index
2	RD06	Security Services Case Tracking
2	RD08	Personnel Investigation Monitoring System (PIMS)
2	RD29	Security/Fire Outage Tracking System
2	RD30	Security Services Incident Reporting
2	RD40	Fire Inspection Tracking System w/Barcode
1	RG67	NASA Equipment Management System Property Custodian Module
1	RG68	NASA Equipment Management System (NEMS)
1	RG69	NASA Equipment Inventory System
2	RG71	LSOC Logistics Open Requirements Management Tracking System (LORMS)
1	RG90	NPDMS-NASA Property Disposal Management System Aim Standard
1	SA01	Area Access Application
1	SA03	Safety Concern Reporting System
2	SI01	Shuttle Landing Facility Log System
2	SI07	PAMIS Printing & Micrographics
2	SI18	Propellant Handler's Ensemble Tracking System (PHE)
2	SI36	Data Entry System
2	SI37	Propellants/Life Support Scheduling System
2	SI49	Outbound Freight Traffic
1	TA01	KSC Action Item Tracking System (KAITS)
2	TA02	Conference Room Scheduler (CRS)
2	TA04	Records Management Training System (RMTS)
1	TA05	TechDoc 2
1	TA06	KSC Employee Data Warehouse (EDW)
2	TA08	Access Control and Intrusion Detection System II (ACIDS II)
2	TA09	Access Transaction History Subsystem (ATHS)
2	TA10	Launch Operations Access Control System (LOACS)
1	TA11	Specifications-Kept-Intact (SpecsIntact)
2	TA14	KSC Electronic Forms FileNet Electronic Forms Manager
2	TA15	KSC Fire Alarm System
2	TA16	Communication Device Tracking System (CDTS)
2	TA17	Safety Variance Request Process System (SVRPS)
1	TA18	Surplus Property Sales Program
1	TA20	Facility Space Utilization Application (FSUA)
1	TA22	GIS - Cable Engineering Sub-Application
1	TA23	GIS - Spaceport Map Viewer
1	TA24	GIS - Electrical Ductbank Sub-Application
1	TA25	GIS - Geodetic Control Sub-Application
1	TA26	GIS - NASA Environmental Management Sub-Application
1	TA27	GIS - Facility Floor Plans Sub-Application
1	TA28	GIS - Excavation Permit Sub-Application

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<b>CATEGORY</b>	<b>SYSTEM</b>	<b>NAME</b>
1	TA29	GIS - Planning Sub-Application
1	TA35	Environmental Program Branch Application
1	TA39	Food Services Survey Application
1	TA40	Senior Management Planning Tool (SMPT)
2	TA43	Automated External Defibrillator
1	UB01	Florida Labor Management Application
1	UB02	Master Plan/Acquisition Forecast Application
2	US36	Quality Data Center (QDC) Viewer
2	XA01	Opportunity for Improvement
1	XA02	Press Site Media Accreditation Application
1	XA03	Speakers Bureau Website Application
1	XA05	Press Site Media Metrics Application
1	XA06	NASA Multi Media Gallery Application
1	XA07	Mission Quiz
1	XA08	Site Survey Application
1	XA09	Countdown Clock Application
1	XA10	KSC Search Engine Application
1	XA11	Conversion Utility Application
1	XA13	KSC History Program Hall of Honor Application
1	XA16	Question Board Application
2	YA02	Data Processing System (DPS)
2	YA03	Engineering Analysis VMS Computer System (EAS)
2	YA04	Computer Aided Design/Computer Aided Engineering (CAD/CAE)
2	YA05	Airborne Field Mill (ABFM)
2	YA06	Tropical Rainfall Measurement Mission (TRMM)
2	YA07	Meteorological Interactive Data Display System (MIDDS)

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**AA02 Achieving Cultural Excellence Application (ACE)**

Category:	1
Computer:	NASA Server
Information Category:	ADM
Language:	ColdFusion 5
DBMS Type:	SQL Server 2000
Media:	
Interfaces:	EDW
System Owner:	Mead, Phillip
System Owner Org:	BA-E
Number of NASA Users:	
Number of Non-NASA Users:	
Primary Customers:	NASA
Description:	Allows supervisors to submit a list of names to be surveyed.

**AF01 Advanced Technology Electronic Security System (ATESS)**

Category:	2
Computer:	JBOSC Server
Information Category:	MSN
Language:	C, FORTRAN
DBMS Type:	N/A
Media:	Disc, tape
Interfaces:	None
System Owner:	Leverett, Drew
System Owner Org:	45SFS
Number of NASA Users:	10-50
Number of Non-NASA Users:	1-10
Primary Customers:	Air Force, NASA, JBOSC
Description:	An ESS designed to control entry, and detect and display intrusions into priority facilities located at CCAFS. The ATESS consists of computer control, enrollment, and monitoring subsystems. Various disturbance detection alarm sensors and video camera equipment provide remote sensing capability, which is instantaneously communicated to processing and monitoring systems.

**AF02 Video Imaging Computer System (VICS)**

Category:	2
Computer:	IBM-PC
Information Category:	BRT

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Language: COTS TrendT  
DBMS Type: VB  
Media: Disk  
Interfaces: None  
System Owner: Leverett, Drew  
System Owner Org: 45SFS  
Number of NASA Users: 10-50  
Number of Non-NASA Users: 1-10  
Primary Customers: Air Force, NASA, JBOSC  
Description: The Trendtech system is the CCAFS badge printing system. It's comprised of an MS Access database, photo capture card (JPEG), and a signature pad. The badge is printed on both sides, with the front displaying badge information and photo, and the back containing a government property disclaimer. This is used to provide permanent badges for CCAFS personnel.

**AF03 Vindicator**

Category: 2  
Computer: Server  
Information Category: BRT  
Language: COTS  
DBMS Type: N/A  
Media:  
Interfaces: 0  
System Owner: Leverett, Drew  
System Owner Org: 45SFS  
Number of NASA Users: 0  
Number of Non-NASA Users:  
Primary Customers: Air Force and Air Force Contractors  
Description: Electronic Security System

**AF05 ArcFM**

Category: 2  
Computer: IBM-PC  
Information Category:  
Language:  
DBMS Type:  
Media:  
Interfaces:  
System Owner: Pratten, James  
System Owner Org: SGS

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Number of NASA Users:  
 Number of Non-NASA Users:  
 Primary Customers:  
 Description: ArcFM COTs software is used to generate and maintain the physical electric model for CCAFS. ArcFM electrical data is maintained to support Etap and OpenDNA power analysis and modeling software.

**BA01 Awards Web Database 2 (AWD2)**

Category: 1  
 Computer: ODIN Server  
 Information Category: BRT  
 Language: ASP, JAVA Script  
 DBMS Type: SQL Server 7  
 Media: ODIN  
 Interfaces: EDW, NPPS  
 System Owner: Hallum, Julia  
 System Owner Org: NASA  
 Number of NASA Users: 10-50  
 Number of Non-NASA Users: N/A  
 Primary Customers: NASA BA-D  
 Description: The NASA Awards Web Database provides a web-based interface and database on awards for both civil service and non-civil service employees at Kennedy Space Center (KSC). Displays KSC directorate awards-funding balances, and displays awards data for both KSC civil-service and non-civil service employees. Displays KSC directorate awards funding balances, and KSC civil-service employee awards. Data includes monetary data and time-off data. Intended users are directors, administrative officers, and awards representatives.

**BA02 Annual Training and Development Survey (ATDS)**

Category: 1  
 Computer: ODIN Server  
 Information Category: ADM  
 Language: Cold Fusion 5  
 DBMS Type: SQL Server 7  
 Media:  
 Interfaces: EDW  
 System Owner: Chance, Steve  
 System Owner Org: BA-C  
 Number of NASA Users: over 50

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Number of Non-NASA Users:  
Primary Customers: NASA BA-C  
Description: The primary function of the ATDS application is to collect data regarding desired training from each KSC NASA employee. Secondary functionality is related to utilization of reports which summarize data entered. An example would be a report which indicates how many people center wide are requesting to attend courses at a college, the total dollar value of these requests, and a breakdown by directorate of all such requests. Once collected, the data can be used in a variety of ways including training budget estimates or other determined usage.

**CAD Computer Aided Dispatch 4D**

Category: 2  
Computer: Server  
Information Category: BRT  
Language:  
DBMS Type:  
Media:  
Interfaces:  
System Owner: Stevens, Michael B.  
System Owner Org: TA-E2  
Number of NASA Users: N/A  
Number of Non-NASA Users: 10-50  
Primary Customers:  
Description:

**EX04 NASA Exchange Council KARS Application**

Category: 1  
Computer: NASA Server  
Information Category: ADM  
Language: ColdFusion 5  
DBMS Type: SQL Server 2000  
Media:  
Interfaces: None  
System Owner: Wilson, Maria  
System Owner Org:  
Number of NASA Users:  
Number of Non-NASA Users:  
Primary Customers: NASA  
Description: Application for the NASA Exchange Council KARS parks

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website. Allowing employees to request reservations for KARS parks facilities and services. Administrative portion of the application provides KARS parks personnel with the ability to manage the Reservation requests.

### **EX05 NASA Exchange Council Store Application**

Category:	1
Computer:	NASA Server
Information Category:	
Language:	Coldfusion 5
DBMS Type:	SQL Server 2000
Media:	
Interfaces:	None
System Owner:	Wilson, Maria
System Owner Org:	OP
Number of NASA Users:	
Number of Non-NASA Users:	
Primary Customers:	NASA
Description:	Application for the NASA Exchange Council Store website. The application allows Store personnel to post product and service information to the Website.

### **FF10 KSC Electronic Forms Tracking System**

Category:	1
Computer:	JBOSC Server
Information Category:	ADM
Language:	Visual Basic
DBMS Type:	Access
Media:	N/A
Interfaces:	None
System Owner:	Mayers, Jan
System Owner Org:	TA-E1
Number of NASA Users:	over 50
Number of Non-NASA Users:	over 50
Primary Customers:	NASA/JBOSC
Description:	The Forms Automated Tracking and Reporting System is a custom designed PC application to track the inventory of forms, usage, and issuances at the Kennedy Space Center (KSC) Forms Control Center. Over 3,500 forms are maintained by the forms control organization. The application was designed to allow entry of information pertaining to a specific form and its orders, receipts and

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issues. This information can then be easily viewed and tabulated for online and hard copy reports. Management reports summarize activity and generate the DRL037 Forms Index and DRL 090 Forms Usage Report. This application supports NASA (agency-wide), JBOSC and any others who require access to a KSC form.

### **FF11 KSC Engineering Documentation System (KEDS)**

Category:	2
Computer:	JBOSC Server, IBM PC
Information Category:	MSN
Language:	Visual Basic, ASP
DBMS Type:	SQL 7.0
Media:	N/A
Interfaces:	None
System Owner:	Mayers, Jan
System Owner Org:	TA-E1
Number of NASA Users:	100-200
Number of Non-NASA Users:	
Primary Customers:	NASA/JBOSC/SFOC/CAPPS
Description:	KEDS provides on-line viewing and printing of released engineering drawings and DRA (Document Release Authorization) documents from an Intel based desktop PC at KSC that has Web access, including Windows 95, Windows NT, and Windows 98 platforms running any version of Netscape or Internet Explorer Web browsers. Over 200,000 engineering drawings are currently available online.

### **FF14 Engineering Documentation File Mgmt. (EDFM)**

Category:	2
Computer:	JBOSC Server
Information Category:	MSN
Language:	Visual Basic, ASP
DBMS Type:	SQL 7.0
Media:	N/A
Interfaces:	None
System Owner:	Knight, John
System Owner Org:	TA-F
Number of NASA Users:	1-10
Number of Non-NASA Users:	
Primary Customers:	NASA/JBOSC
Description:	The EDFM system is the vehicle for electronic release and

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management of drawings and related documentation under configuration control. This application currently runs on an NT server and Windows NT/98 workstations, using Microsoft SQL Server database to maintain configuration control. Over 14,000 engineering drawings are maintained on a server supporting NASA and JBOSC customers with another 15,000+ drawings residing on a server supporting CAPPS customers.

### **FIDS Flight Information Display System (FIDS)**

Category:	2
Computer:	IBM-PC
Information Category:	ADM
Language:	UNIX - COTS
DBMS Type:	N/A
Media:	
Interfaces:	
System Owner:	Bryan, Robert
System Owner Org:	SGS
Number of NASA Users:	N/A
Number of Non-NASA Users:	1-10
Primary Customers:	
Description:	FIDS is a Shuttle Landing Facility display of Schedules, Dates and Times of Operations, Fuelings, Maintenance, Take Offs, Landings of all aircraft at the SLF. There is a Windows 3.1 computer in the SLF that is connected to video displays in Fire Station 2 and LCC 1p10. The video displays and communications are maintained by the Facilities Management Alarm Shops. Bob Bryan (SGS)7-2108, Jose Valentin (SGS) and the company ITS (Industrial Television Services) provide video support. ITS phone: 847-871-4793

### **FK01 Fluids Inventory Management System (FIMS)**

Category:	2
Computer:	IBM Mainframe
Information Category:	BRT
Language:	NATURAL
DBMS Type:	ADABAS
Media:	Disk
Interfaces:	None
System Owner:	Williams, Curtis
System Owner Org:	UPC

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Number of NASA Users: 1-10  
Number of Non-NASA Users:  
Primary Customers: NASA Information Technology Office, SpaceMark, Inc.  
Description: Used for recording and reporting fluids equipment (tankers, cylinders, and drums) related to vendor deliveries of commodities for each trip, date and quantity delivered.

**GD03 Acquisition Management Subsystem (AMS)**

Category: 2  
Computer: IBM Mainframe  
Information Category: BRT  
Language: NATURAL  
DBMS Type: ADABAS  
Media: Disk  
Interfaces: AC06, Logistics (PC Upload)  
System Owner: Kiss, Mary  
System Owner Org: OP-AM  
Number of NASA Users: 1-10  
Number of Non-NASA Users:  
Primary Customers: JBOSC, NASA Procurement Office  
Description: Tracks purchase orders, materiel requisitions, and contracts issued by the KSC NASA procurement office. Grants and intergovernmental purchases are referred to as procurements unless specified otherwise. The basic relationship for contract reporting is between the contract number and the materiel/purchase request number. The system processes contracts, materiel/purchase requests, purchase orders, blanket purchase agreements, orders under contract, grants and contract modifications (new work, change orders, supplemental agreements, and administrative changes).

**GG02 IEMP User Management System**

Category: 1  
Computer: Server  
Information Category: ADM  
Language: Visual Basic 6.0  
DBMS Type: SQL 7.0  
Media: Client Server  
Interfaces: None  
System Owner: Taylor, Sidney  
System Owner Org: GG-B  
Number of NASA Users: 8

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Number of Non-NASA Users:  
 Primary Customers: Brian Bookhart, IT-D3 Christa Casleton, GG-B-B2  
 Description: The Integrated Enterprise Management Program (IEMP) User Management System (UMS), known as IEMP-UMS, is an application designed to provide the system administrators and data owners of the IFMP modules or applications a more efficient means to manage the access, module assignments, and roles of NASA Users. The IEMP-UMS application provides an online means for viewing, analyzing, and modifying different aspects of the Users' accounts, and provides reports electronically.

**GG04 SAP Core Finance**

Category: 1  
 Computer: Sun 10K  
 Information Category: BRT  
 Language: ABAP  
 DBMS Type: Oracle  
 Media: N/A  
 Interfaces: AC07, EDW  
 System Owner: Lenck, Sam  
 System Owner Org: GG-A  
 Number of NASA Users: 200-300  
 Number of Non-NASA Users:  
 Primary Customers: NASA GG  
 Description: Agency Core Financial Management system. JBOSC is responsible for providing System Administrative, and Interface support for the Core Financial module of SAP.

**GG05 Core Financial Business Warehouse**

Category: 1  
 Computer: Sun 10K  
 Information Category: BRT  
 Language: ABAP  
 DBMS Type: Oracle  
 Media: N/A  
 Interfaces: SAP  
 System Owner: Lenck, Sam  
 System Owner Org: GG-A  
 Number of NASA Users:  
 Number of Non-NASA Users:  
 Primary Customers: NASA GG

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Description: Business Warehouse for Core Financial provides a means for reporting from Core Financial data. JBOSC is responsible for providing System Administrative support.

**GG06 Travel Manager**

Category: 1  
Computer: Sun 10K  
Information Category: BRT  
Language: COTS  
DBMS Type: Oracle  
Media: N/A  
Interfaces: N/A  
System Owner: Lenck, Sam  
System Owner Org: GG-A  
Number of NASA Users:  
Number of Non-NASA Users:  
Primary Customers: NASA GG  
Description: Travel Manager provides an electronic means for creating, approving and distributing travel documents. JBOSC is responsible for providing System Administrative support for Travel Manager. JBOSC is not responsible for creating and deleting new accounts for Travel Manager.

**GG07 Federal Personnel and Payroll System**

Category: 1  
Computer: Mainframe  
Information Category: BRT  
Language: NATURAL  
DBMS Type: ADABAS  
Media:  
Interfaces:  
System Owner: Lenck, Sam  
System Owner Org: GG-A  
Number of NASA Users:  
Number of Non-NASA Users: N/A  
Primary Customers: NASA  
Description: FPPS is the Federal Personnel Payroll System that NASA selected to implement as the NASA Agency Person and Payroll System also, JBOSC is responsible for providing some system administrative support for FPPS. JBOSC does not have the responsibility for creating new accounts and deleting existing accounts within FPPS.

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**HM03 Goal Performance Evaluation System (GPES)**

Category:	1
Computer:	ODIN Server
Information Category:	BRT
Language:	ASP
DBMS Type:	SQL 7.0
Media:	Web
Interfaces:	TA06
System Owner:	
System Owner Org:	
Number of NASA Users:	1800-2000
Number of Non-NASA Users:	0
Primary Customers:	NASA
Description:	The Goal Performance Evaluation System (GPES) focuses on individual performance and the management of employee actions. GPES was developed in response to the NASA Strategic Management Handbook which identifies the "Center Implementation Plan as the communication tool to enable the Center's customers to see that their requirements are being addressed and to ensure that employees understand their contribution to the highest level strategies and objectives." GPES was developed to successfully accomplish these objectives and maximize the involvement of every employee in the future direction of the Agency. All KSC NASA personnel use this system.

GPES is comprised of the following modules:

Performance Planning, where supervisors define the Mission Objectives and supporting Strategies for each of their employees, from within or outside the Directorate's Business Objectives and Agreements (BOAs). Individual employees' Job Specifics and Action Plans can also be identified.

Performance Evaluation, for mid-term and annual Performance Appraisal processes, allows the appraisals to be completed and assessed on-line. An employee's individual rating for each objective can be tracked and summarized. The status of each Performance Appraisal is also tracked.

Safety and Health First (Voluntary Protection Program, VPP), tracks safety inspections, meetings, Job Hazard Analysis (JHA), miscellaneous activities, and open hazard issues. Reports are available to allow for supervisory monitoring of their safety activities.

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Public Outreach, where employees enter activities pertaining to their contributions and assistance with outside organizations and affiliations. Data collected includes presentations, interviews, and speeches; education activities; external exhibits; launch and landing support activities; KSC tours/escorts (non-launch and -landing); new customer outreach; volunteer support for KSC special events; community service; and other public outreach activities.

### **IM03 KSC Records Management System**

Category:	2
Computer:	JBOSC Server
Information Category:	ADM
Language:	Visual Basic 3.0
DBMS Type:	NT
Media:	N/A
Interfaces:	None
System Owner:	Tewksbury, Marilee
System Owner Org:	TA-E1
Number of NASA Users:	
Number of Non-NASA Users:	
Primary Customers:	NASA Only
Description:	The KSC Records Retirement Database System supports dual input by NASA/KSC RSA Manager and RSA Warehouse contractor personnel in a windows application. It tracks the retired records (documents) as they are stored in the warehouse and moved off-site to the Federal Warehouse.

### **IM08 Automatic Distribution Service System (ADSS)**

Category:	2
Computer:	IBM-PC
Information Category:	BRT
Language:	Clipper 5.2
DBMS Type:	dBASE
Media:	Disk
Interfaces:	None
System Owner:	Mayers, Jan
System Owner Org:	TA-E1
Number of NASA Users:	1-10
Number of Non-NASA Users:	1-10
Primary Customers:	NASA/JBOSC
Description:	The Automated Distribution Services System collects and

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stores the necessary data for automated mailing labels. Used to support KSC and CCAFS personnel.

**IM10 Retired NASA Mailing Labels System**

Category: 2  
Computer: IBM-PC  
Information Category: BRT  
Language: Clipper 5.2  
DBMS Type: dBASE  
Media: Disk  
Interfaces: None  
System Owner: Thayer, Laura  
System Owner Org: BA-D  
Number of NASA Users: 1-10  
Number of Non-NASA Users: 1-10  
Primary Customers: NASA/JBOSC  
Description: The Retired NASA Mailing Labels System collects and stores all the necessary data for producing mail labels for all retired NASA personnel.

**IM11 Miscellaneous Mailing Labels**

Category: 2  
Computer: IBM-PC  
Information Category: BRT  
Language: Clipper 5.2  
DBMS Type: S/A  
Media: Disk  
Interfaces: None  
System Owner: Mayers, Jan  
System Owner Org: TA-E1  
Number of NASA Users: 1-10  
Number of Non-NASA Users: 1-10  
Primary Customers: NASA/JBOSC  
Description: The Miscellaneous Mailing Labels System collects and stores the necessary data for producing miscellaneous mailing labels. Used to support KSC and CCAFS personnel.

**IM12 One Label System**

Category: 2  
Computer: IBM-PC

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Information Category: BRT  
 Language: Clipper 5.2  
 DBMS Type: dBASE  
 Media: Disk  
 Interfaces: None  
 System Owner: Mayers, Jan  
 System Owner Org: TA-E1  
 Number of NASA Users: 1-10  
 Number of Non-NASA Users: 1-10  
 Primary Customers: NASA/JBOSC, Atlantic Technical Services (ATS)  
 Description: The One Label Mail system is used to create and store one mail label as desired. Used to support KSC and CCAFS personnel.

#### **IM14 Invite for Bids Mailing Labels**

Category: 2  
 Computer: IBM-PC  
 Information Category: BRT  
 Language: Clipper 5.2  
 DBMS Type: S/A  
 Media: Disk  
 Interfaces: None  
 System Owner: Mayers, Jan  
 System Owner Org: TA-E1  
 Number of NASA Users: 1-10  
 Number of Non-NASA Users: 1-10  
 Primary Customers: NASA/JBOSC  
 Description: The system provides a means to collect and store data for the Invitation for Bids mail labels. Used to support NASA procurement.

#### **IM35 Fleet Management Tracking System (FMTS)**

Category: 2  
 Computer: JBOSC Server  
 Information Category: ADM  
 Language: Visual Basic 3.0  
 DBMS Type: N/A  
 Media: N/A  
 Interfaces: None  
 System Owner: Eberhardt, Denise  
 System Owner Org: CMT  
 Number of NASA Users: 1-10

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Number of Non-NASA Users: 1-10  
Primary Customers: NASA/JBOSC  
Description: This system is a Windows based application which is used to record the data from the Fleet Management Control area. It is a rewrite of an existing Dbase user written application.

**IM76 Heavy Equipment Log**

Category: 2  
Computer: JBOSC Server  
Information Category: BRT  
Language: Visual Basic 3.0  
DBMS Type: Access  
Media: Disk  
Interfaces: 5 (Winbat/Sheridan Data Widgets/Designer Widgets/Calendar Widgets and Crystal Reports)  
System Owner: Denis, Rebecca  
System Owner Org: TA-E1  
Number of NASA Users: 1-10  
Number of Non-NASA Users: 1-10  
Primary Customers: JBOSC only application - for reference only  
Description: Heavy Equipment System is an application designed for logging and tracking of procurement information for heavy equipment parts and supplies. The user enters basic information relating to the equipment/parts: date ordered, date received, date issued, cost, part number, requester, purchase request number and BPA number. Used by JBOSC to maintain equipment in support of NASA and AF projects.

**IM78 KSC Locator Organization Labels**

Category: 2  
Computer: IBM-PC  
Information Category: BRT  
Language: Visual Basic 3.0  
DBMS Type: S/A  
Media: N/A  
Interfaces: None  
System Owner: Mayers, Jan  
System Owner Org: TA-E1  
Number of NASA Users: 10-50  
Number of Non-NASA Users: over 50  
Primary Customers: NASA/JBOSC

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Description: This system is used to print organization labels.

### **IT01 EDW - Self Service Management Tool (SSMT)**

Category: 1  
 Computer: JBOSC Server  
 Information Category: ADM  
 Language: C#.NET  
 DBMS Type: SQL 7.0  
 Media:  
 Interfaces: FSUA, EDW, PASS, RD00, RD02  
 System Owner: Bierman, Tracy  
 System Owner Org: IT-C1  
 Number of NASA Users: 1800-2000  
 Number of Non-NASA Users: over 50  
 Primary Customers: NASA IT  
 Description: Phase 1 of the SSMT Project has been developed in an effort to consolidate management of non-sensitive personnel information, improve the quality of data, and to empower employees that log in to the KSC domain with the ability to correct their own information. Phase 1 also includes an enhanced search capability to find KSC employees by first name, last name, mail code, supervisor, and department.

This initial release allows employees to update their own business-related data with approval by the KSC Locator staff. Please allow three to five days to propagate other systems with your updated data. In future releases, the employee's supervisor, the KSC Locator, and/or the Designated Facility Utilization Manager is included in the approval process and other systems are updated more frequently.

### **IT03 NASA Correspondence Templates**

Category: 2  
 Computer:  
 Information Category:  
 Language:  
 DBMS Type:  
 Media:  
 Interfaces:  
 System Owner: Brown, Laurette  
 System Owner Org: IT-D3-A  
 Number of NASA Users:

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Number of Non-NASA Users:

Primary Customers:

Description:

This application was developed to facilitate the formatting and creation of the most commonly used types of National Aeronautics and Space Administration (NASA) correspondence and travel forms. As part of this application, an Access database file is created. This file allows the user to store and recall information for populating common fields used in the creation of correspondence and travel forms. The application only displays the property pages necessary to generate the selected type of correspondence.

#### **IT04 Combined Federal Campaign Application**

Category: 1

Computer: ODIN Server

Information Category: BRT

Language: Cold Fusion 5

DBMS Type: SQL Server 7

Media:

Interfaces: EDW

System Owner: Brown, Laurette

System Owner Org: IT-D3-A

Number of NASA Users:

Number of Non-NASA Users:

Primary Customers: NASA IT

Description: Annual event. Application captures NASA KSC employees Combined Federal Campaign donations. The application retrieves X.500 identification to include SSN and transmits this information via SSL Certificate.

#### **IT05 Environmental and Energy Awareness Week (EEAW)**

Category: 1

Computer: NASA Server

Information Category: ADM

Language: Cold Fusion 5

DBMS Type: SQL Server 2000

Media:

Interfaces: None

System Owner: Naylor, Barbara

System Owner Org: TA-C3

Number of NASA Users:

Number of Non-NASA Users:

Primary Customers: NASA TA-C3  
Description: Application used for the Annual Environmental and Energy Awareness Week. <http://eeaw.ksc.nasa.gov>

**IT06 Education Calendar Application**

Category: 1  
Computer: NASA Server  
Information Category: PUB  
Language: Cold Fusion 5  
DBMS Type: SQL Server 2000  
Media:  
Interfaces: None  
System Owner: Alfonso, Berta  
System Owner Org: XA-D1  
Number of NASA Users:  
Number of Non-NASA Users:  
Primary Customers: NASA  
Description: Application used on the Education Website.

**IT08 KSC NASA Holiday Dinner Application**

Category: 1  
Computer: ODIN Server  
Information Category: ADM  
Language: HTML  
DBMS Type: None  
Media:  
Interfaces: None  
System Owner: Brown, Laurette  
System Owner Org: IT-D3-A  
Number of NASA Users:  
Number of Non-NASA Users:  
Primary Customers: NASA  
Description: Employees to print dinner ticket.

**IT09 Equipment Tracking System Application**

Category: 1  
Computer: NASA Server  
Information Category: ADM  
Language: Cold Fusion 5  
DBMS Type: SQL Server 2000

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Media:  
 Interfaces: EDW  
 System Owner: Rogers, Jacob  
 System Owner Org: TA-B1  
 Number of NASA Users:  
 Number of Non-NASA Users:  
 Primary Customers: NASA IT  
 Description: Equipment Tracking Application for use by the NASA IT Directorate.

**IT11 KSC Picnic Application**

Category: 1  
 Computer: ODIN Server  
 Information Category: ADM  
 Language: ColdFusion 5  
 DBMS Type: SQL Server 7  
 Media:  
 Interfaces: None  
 System Owner: Brown, Laurie  
 System Owner Org: NASA IT  
 Number of NASA Users:  
 Number of Non-NASA Users:  
 Primary Customers: NASA  
 Description: Consists of various forms for NASA people to sign up for Picnic events and to gather volunteer information. Includes reports.

**JB01 Fire PGMS CCAS/KSC Fire Rescue**

Category: 2  
 Computer: JBOSC Server  
 Information Category: ADM  
 Language: COTS  
 DBMS Type: NT  
 Media: CD/Disk  
 Interfaces: None  
 System Owner: Stevens, Michael B.  
 System Owner Org: TA-E2  
 Number of NASA Users: 1-10  
 Number of Non-NASA Users: 1-10  
 Primary Customers: SGS Fire Services, NASA Fire  
 Description: SGS Fire Programs (JB01) serves as the primary database management system for all KSC/CCAFS fire rescue

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responses (NFIRS). This program also has the capability to track inventory, training, and personnel. The system operates 7-days/week, 24-hours/day.

**JB02 Facilities Center**

Category: 2  
 Computer: JBOSC Server  
 Information Category: ADM  
 Language: COTS  
 DBMS Type: Oracle  
 Media: Disk; Tape Backup  
 Interfaces: RC02, TA06, GIS, JB06  
 System Owner: Knight, John  
 System Owner Org: TA-F  
 Number of NASA Users: 10-50  
 Number of Non-NASA Users:  
 Primary Customers: NASA/JBOSC/other Contractors  
 Description: Facilities Center is a suite of facility management tools used in planning and forecasting of space allocation, tracking assets, tracking personnel, analyzing and categorizing space requirements.

**JB04 Training Resource Automation Center (TRAC)**

Category: 2  
 Computer: Server  
 Information Category: BRT  
 Language: Visual Basic 6.0  
 DBMS Type: Access97  
 Media: Server  
 Interfaces: None  
 System Owner: King, Jeff  
 System Owner Org: JBOSC Security Services  
 Number of NASA Users:  
 Number of Non-NASA Users:  
 Primary Customers: JBOSC Security Services  
 Description: TRAC is a Microsoft VB 6 application with an Access 97 database that is used to track employee data and training/certification requirements for SGS Security Services personnel within the Protective Services Directorate. Maintaining this data documents that Security Services employees have been properly trained and certified to complete the types of tasks they are assigned.

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**JB06 Personnel Access Security System (PASS)**

Category:	1
Computer:	JBOSC Server
Information Category:	BRT
Language:	PL/SQL
DBMS Type:	Oracle 9i
Media:	Disk; Tape Backup
Interfaces:	RD00, X500, EDW, ATHS, PM50
System Owner:	Perry, Shelia
System Owner Org:	TA-E2
Number of NASA Users:	N/A
Number of Non-NASA Users:	1-10
Primary Customers:	NASA, all KSC contractors and subcontractors
Description:	PASS serves as the primary database management system for all KSC security credentials and contains security information and credential issuance history for every individual working at or visiting KSC. Area authorizations/de-authorizations for controlled areas are entered in PASS and distributed to two access control systems, ACIDS II and LOACS, via the ATHS. These users enter data, query the database, and/or authorize/create area access credentials. The system operates seven days per week, 24 hours per day.

**JB105 Resource Protection Program Application**

Category:	2
Computer:	JBOSC Server
Information Category:	BRT
Language:	ColdFusion
DBMS Type:	Oracle
Media:	
Interfaces:	SSMT, Deltek, CCSGIS
System Owner:	Mullinix, James
System Owner Org:	SGS
Number of NASA Users:	1-10
Number of Non-NASA Users:	1-10
Primary Customers:	Jim Mullinix
Description:	The Resource Protection Program Application (RPP) is an application to support Space Gateway Support's (SGS) Resource Protection Program. This application will provide a central location where Resource Protection management information can be maintained, accessed and analyzed. This

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application will centralize and automate a largely manual management process.

### **JB11 Geographical Information System (GIS)**

Category:	1
Computer:	JBOSC Server
Information Category:	BRT
Language:	ESRI (COTS) Cold Fusion, HTML, Javascript, JAVA SVG, XML
DBMS Type:	Oracle 9i, MS Access
Media:	
Interfaces:	JB31 - Facility Information Center, TA06, JB34
System Owner:	Smith, Leroy
System Owner Org:	TA-F
Number of NASA Users:	over 50
Number of Non-NASA Users:	over 50
Primary Customers:	NASA, AF
Description:	A Geographic Information System (GIS) is an integrated system of computer hardware, and software, linking topographic, demographic, utility, facility, image and other resource data that is geographically referenced. The design of the geographical information system is based on the concept of a geodatabase that provides the community access to mapping data for the Kennedy Space Center (KSC), Cape Canaveral Air Force Station (CCAFS), and the Florida (FL) Annexes. GIS integrates existing data into the geodatabase through a process of validation and conversion while new geographic data is being collected through field surveys. The organizations currently responsible for system attributes retain responsibility for updating and maintaining those attributes in the GIS database. GIS users access data from the geodatabase via PC-based, web-enabled applications through the intranet/internet, or by using direct network access to perform queries utilizing client software.

#### GIS WEB APPLICATIONS:

- Spaceport Map Viewer allows easy access to view maps through a thin client interface.
- Web Maps is a thin client interface that allows the user to create customized maps using drawing tools and text capabilities. The application has a data query builder, along with select features.

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- Comprehensive Master Planning (CMP) is a geographic information analysis application. CMP allows users to review the locations of features such as buildings, roads, utilities, and land features.
- Real Property Information System (RPIS) is an application designed for the Real Property Analyst with dynamic GIS capabilities. RPIS allows real property analysis and assessments to be performed. Users can interactively query facility information, and directly link to the Facility Information Center for editing of facility attribute information.
- Geodetic Control is a thin client interface that provides a means to locate, review and evaluate published geodetic control monumentation information for the land surveying projects.

#### **GIS STAND ALONE APPLICATIONS**

- GIS Road Closure Application provides mapping with ESRI ArcView, customized to meet the needs of the user. The GIS Road Closure Application displays aerial photographs with geographic features that collectively describe the traffic control of the Kennedy Space Center (KSC) and Cape Canaveral Air Force Station (CCAFS) region. The GIS Road Closure Application maps and aerial photographs help the User to visualize and communicate where the appropriate resources and equipment need to be located in order to close roads on a large/small scale, to provide security and safety where needed.
- GIS Locator Application provides mapping with ESRI ArcView, customized to meet the needs of the user. The GIS Locator Application is a stand-alone application that displays specific maps for users wanting to go from "here" to "there". The application allows user to search for a building, employee or phone number, and display the information graphically. The application also incorporates aerial photo locations.

#### **JB116 IIMS - Maximo (KIMS)**

Category: 2  
Computer: JBOSC Server  
Information Category: BRT  
Language:  
DBMS Type:  
Media:

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Interfaces:  
System Owner: Cunio, Robert  
System Owner Org:  
Number of NASA Users:  
Number of Non-NASA Users:  
Primary Customers: JBOSC  
Description: A user friendly, flexible, integrated inventory management system which provides support to the Shuttle Program and is specifically designed to support a multi-account, multi-user, and multi-site environment. It supports self-sufficient contractors, and provides the capability to manage and support independent logistics operations. The application includes three optional subsystems: Procurement, Provisioning/Replenishment, and Transportation. These subsystems of Maximo provides the user with functions that support the establishment and maintenance inventory items as well as receiving, quality assurance, warehousing, storage location, and inventory. The items that are currently in the GFE storeroom are considered Government owned items.

**JB117 Map911 Application**

Category: 1  
Computer:  
Information Category:  
Language:  
DBMS Type:  
Media:  
Interfaces:  
System Owner: Smith, Leroy  
System Owner Org: TA-F  
Number of NASA Users:  
Number of Non-NASA Users:  
Primary Customers:  
Description: Map911 is a standalone application of the Joint Communication Control Center (JCC) for 911 emergency calls in Cape Canaveral Spaceport. This application is designed to display location of a selected building and its associated planimetric data. The associated planimetric data includes the following:  
1) Roads  
2) Buildings  
3) Fire Hydrants  
4) Natural Gas Lines  
5) Emergency Response Grid

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**JB14 KSC Engineering Documentation System (KEDS DRA)**

Category:	2
Computer:	IBM-PC
Information Category:	SER
Language:	Visual Basic
DBMS Type:	N/A
Media:	
Interfaces:	
System Owner:	Mayers, Jan
System Owner Org:	TA-E1
Number of NASA Users:	
Number of Non-NASA Users:	
Primary Customers:	NASA, JBOSC, SFOC, CAPPS
Description:	This is a file renaming utility used for FF11 KEDS supporting documentation.

**JB15 Web Emergency Operations Center (Web EOC)**

Category:	2
Computer:	JBOSC Server
Information Category:	MSN
Language:	Tango V5.0
DBMS Type:	SQL Server 2000
Media:	N/A
Interfaces:	None
System Owner:	Stevens, Michael B.
System Owner Org:	TA-E2
Number of NASA Users:	10-50
Number of Non-NASA Users:	over 50
Primary Customers:	Emergency Preparedness; NASA-TA-E2
Description:	The Web EOC is a web-based emergency management communications system used to provide real-time information sharing and help to facilitate decision-making in emergency situations. This is a customized COTS application designed to meet the unique requirements of KSC. Web EOC uses a standard Web browser such as Internet Explorer or Netscape. Supports KSC and CCAFS organizations.

**JB16 Emergency 911/Caller ID ANI/ALI (E911)**

Category:	2
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Computer: JBOSC Server  
Information Category: MSN  
Language: 4th Dimension  
DBMS Type: N/A  
Media: Disk; Tape  
Interfaces: Locator, Fire Alarms, FIDS, Multivu Video Surveillance, Fire Station Paging, Radio, and Phone 911, Phone Recording, Marquee  
System Owner: Stevens, Michael B.  
System Owner Org: TA-E2  
Number of NASA Users: 1-10  
Number of Non-NASA Users: 10-50  
Primary Customers: Emergency Dispatch; NASA-TA-E2  
Description: The E911 Emergency 911 Caller ID ANI/ALI is a GUI telephony PC interface to emergency management phone communications systems. Special administrative phone lines and 911 phone lines link to 9 dispatcher positions from a central hub phone switch. The system is used to provide real-time caller ID and caller location information.

**JB22 Analytical Information Management System (AIMS)**

Category: 2  
Computer: Server  
Information Category: BRT  
Language: VB  
DBMS Type: SQL 7.0  
Media:  
Interfaces: None  
System Owner: Creech, Joanne  
System Owner Org: CHS  
Number of NASA Users:  
Number of Non-NASA Users:  
Primary Customers: CHS in Environmental Health  
Description: AIMS Phase I is an Analytical Information Management tool designed to convert and house surface and ground water sample data from laboratory text files. The application provides a means to input and edit data, resolve record exceptions received from the laboratories, generate required Landfill Monitoring reports for KSC and CCAFS surface and groundwater wells, and is equipped with an ad hoc reporting tool.

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**JB27 Technical Training Mgmt System (TTMS)**

Category:	2
Computer:	JBOSC Server
Information Category:	BRT
Language:	ASP
DBMS Type:	SQL 7.0
Media:	Web
Interfaces:	None
System Owner:	Norman, James
System Owner Org:	BA-C
Number of NASA Users:	10-50
Number of Non-NASA Users:	over 50
Primary Customers:	JBOSC Technical Training
Description:	JB27 Technical Training Management System (TTMS) provides JBOSC technical training personnel an electronic Web-based system for entering and tracking technical courses, instructors, scheduled classes, and classroom facilities. The TTMS allows JBOSC training coordinators to schedule personnel for classes, and enables instructors to produce class rosters. JBOSC personnel completing classes are tracked and sent electronically to the PM50 KSC Training Certification Records System. The TTMS system tracks and regularly reports no-show personnel to the training coordinators and the Director of JBOSC Information Management. Additional reports allow the technical training personnel and training coordinators to manage their activities and reporting requirements in a timely manner.

**JB31 Facility Information Center**

Category:	2
Computer:	Server
Information Category:	ADM
Language:	ColdFusion
DBMS Type:	Oracle
Media:	
Interfaces:	None
System Owner:	Stoeckel, William
System Owner Org:	SGS
Number of NASA Users:	over 50
Number of Non-NASA Users:	
Primary Customers:	Facility Managers
Description:	The FIC provides a common platform of real property data including facility identification, capacity, function, use,

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depreciated book values, current replacement values, facility status, condition, historical significance, lists active facility managers and their alternates, and among other data, shows construction characteristics, such as materials used for the construction of foundation and roofs. FIC allows several queries in the form of Facility Managers Directory (FMD), Facility Maps, and Facilities Search.

#### **JB49 The BIG Access Database (BAD)**

Category:	2
Computer:	JBOSC Server
Information Category:	BRT
Language:	Access
DBMS Type:	Access
Media:	
Interfaces:	None
System Owner:	Callier, Diane
System Owner Org:	TA-C3
Number of NASA Users:	0
Number of Non-NASA Users:	30
Primary Customers:	CHS
Description:	Supports Waste Management data management and reporting.

#### **JB50 Health & Environmental Resource System (HERS)**

Category:	2
Computer:	Server
Information Category:	BRT
Language:	SQL, Access
DBMS Type:	Access
Media:	
Interfaces:	MSDS, AIMS
System Owner:	Cardinale, Michael
System Owner Org:	TA-C2
Number of NASA Users:	0
Number of Non-NASA Users:	100
Primary Customers:	CHS
Description:	Supports Environmental Health and Services data management and reporting.

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**JB51 Health Unit Management System (HUMS)**

Category: 2  
 Computer: Server  
 Information Category: BRT  
 Language: SQL, Access  
 DBMS Type: Access  
 Media:  
 Interfaces: PM50  
 System Owner: Tipton, Dr. David  
 System Owner Org: TA-C2  
 Number of NASA Users: 0  
 Number of Non-NASA Users: over 50  
 Primary Customers: CHS  
 Description: Supports Medical data management and reporting.

**JB82 GIS - CCSGIS Data Maintenance Sub-Application**

Category: 1  
 Computer: JBOSC Server  
 Information Category: BRT  
 Language: ESRI (COTS) Cold Fusion, HTML, Javascript, JAVA SVG, XML  
 DBMS Type: Oracle 9i  
 Media:  
 Interfaces: None  
 System Owner: Lanthorne, Donald  
 System Owner Org: SGS  
 Number of NASA Users:  
 Number of Non-NASA Users:  
 Primary Customers: SGS GIS  
 Description: This is a web based application which allows users to report any issues they have with the GIS System. It further allows the GIS staff to manage these issues.

**JB83 GIS - JBOSC Environmental Management Sub-Application**

Category: 1  
 Computer: JBOSC Server  
 Information Category: BRT  
 Language: ESRI (COTS) Cold Fusion, HTML, Javascript, JAVA SVG, XML  
 DBMS Type: Oracle 9i  
 Media:

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Interfaces: None  
 System Owner: Goetzfried, Andreas  
 System Owner Org: SGS  
 Number of NASA Users:  
 Number of Non-NASA Users:  
 Primary Customers: JBOSC Environmental  
 Description: This GIS Application allows JBOSC to display JBOSC specific environmental information (i.e. storage tanks) under JBOSC control.

#### **JB84 GIS - Security Incident Tracking Sub-Application**

Category: 1  
 Computer: JBOSC Server  
 Information Category: BRT  
 Language: ESRI (COTS) Cold Fusion, HTML, Javascript, JAVA SVG, XML  
 DBMS Type: Oracle 9i  
 Media:  
 Interfaces: None  
 System Owner: Coleman, Michael  
 System Owner Org: SGS  
 Number of NASA Users:  
 Number of Non-NASA Users:  
 Primary Customers: NASA Security  
 Description: The GIS application is used to collect, store, modify, analyze and display geographic location and associated attribute data for each security incident.

#### **JB98 Skid Strip Flight Activity Application**

Category: 2  
 Computer: JBOSC Server  
 Information Category: ADM  
 Language: Clipper  
 DBMS Type: dBASE  
 Media: Client/Server  
 Interfaces: N/A  
 System Owner: Cooksey, Charles  
 System Owner Org: SGS  
 Number of NASA Users: 1-10  
 Number of Non-NASA Users: 1-10  
 Primary Customers: CCAFS Air Traffic Controllers  
 Description: The Skid Strip Flight Activity Application (SSFAA) serves

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two major functions for the CCAFS airfield services, a Prior Permission Request (PPR) log of flight activity tracking for each KSC arrival, and a Daily log of significant SLF events that is printed to satisfy FAA requirements. Reports provide data for numerous purposes, including traffic count data for JSC billing (JSC owns the fuel that is pumped), propellants, LOX servicing, scheduled support, scheduled maintenance, airspace intrusions, and SGS metrics.

### **JP01 CCSMO CCR Database**

Category:	2
Computer:	S/A
Information Category:	BRT
Language:	Visual Basic 6.0
DBMS Type:	Access 2k
Media:	N/A
Interfaces:	None
System Owner:	Melin, Doug
System Owner Org:	45 CONS
Number of NASA Users:	10-50
Number of Non-NASA Users:	
Primary Customers:	NASA
Description:	The Cape Canaveral Spaceport Management Office (CCSMO) Contract Change Request (CCR) database provides a desktop interface and database to record and track CCR activities in the Contracts Office of CCSMO. The database includes monetary and vendor data. The primary users of the system are Contracts, Finance, Engineering, and administrative personnel in CCSMO. All users are located in the Hangar I Annex, CCAFS.

### **MD00 Configuration Management Data System (CMDS)**

Category:	1
Computer:	IBM Mainframe
Information Category:	BRT
Language:	NATURAL
DBMS Type:	ADABAS
Media:	Disk
Interfaces:	NDM to SPDMS, Sensor Utilization (SUT), AUTOGOSS manual transfer, PC Downloads to ANALEX and SFOC, FTP transfer to/from PDMS. USA (2), BOEING, OMEU on WEB, SYSDIC

System Owner: Barcon, Eric  
System Owner Org: PH-B2  
Number of NASA Users: 50-100  
Number of Non-NASA Users:  
Primary Customers: JBOSC, SFOC, PGOC, other contractors/subcontractors, NASA Shuttle Office  
Description: Supports contractors and NASA in Engineering Document Release, Engineering Change Processing, and equipment/system Configuration Identification Documents (CID). Those recorded on the system are indexed to specific equipment and systems that are identified in the document itself. All document revisions are maintained as well as Engineering Orders (modifications) and Engineering Instructions to support the Engineering Orders. There are three major subsystems. Document Release Subsystem: All new or revised engineering documentation is authorized and released officially by a signed Document Release Authorization (DRA). Some typical documents indexed and identified are electrical schematics, cable assemblies, deviation waivers, operation and maintenance manuals, etc. Some of the elements recorded when a new document or revision is released are the authorizing engineer, authorizing organization, document location, total sheets, sheet size, and equipment item. Configuration Identification Subsystem: Three files of equipment system relationships are maintained. Baseline System Codes identify systems such as Launch Operations Area (LOA), Vehicle Assembly Area (VAA), and Hypergol Maintenance Area (HMA), but this level of identification does not specify equipment items. Subordinate to the baselines are Work Unit Codes (WUC) and Program Model Numbers (PMA) which identify equipment types and specific equipment items. All of these files are indexed to documents. Change Processing Subsystem: Contractors track Engineering Support Requests (ESR) for design engineering activities and Configuration Control Board actions. Engineering assessments, CCB directives, and Support Requests are also indexed to the other subsystems.

**MD21 Asbestos Management Information System**

Category: 2  
Computer: JBOSC Server  
Information Category: ADM  
Language: VB/Access  
DBMS Type: SQL 2000

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Media: Disk  
Interfaces: None  
System Owner: Cardinale, Michael  
System Owner Org: TA-C2  
Number of NASA Users: 1-10  
Number of Non-NASA Users: 1-10  
Primary Customers: NASA/JBOSC  
Description: The Asbestos Management Information System (AMIS) is a PC Visual Basic application used to track inspections and samples for the Environmental Health Department, as they proceed through the facility asbestos inspection process. This system maintains records for facilities, inspectors, and laboratory results. This application generates Active Server Pages (ASP) to allow all KSC personnel to view Facility Asbestos Inspection results. Photographs have been integrated into the system as well as Internet availability.

**OP03 Purchasing Account System**

Category: 2  
Computer: Server  
Information Category: BRT  
Language: Clipper  
DBMS Type: Dbase  
Media:  
Interfaces:  
System Owner: Rochester, Laura  
System Owner Org: NASA OP-OS-JP  
Number of NASA Users: 1-10  
Number of Non-NASA Users: 1-10  
Primary Customers: JBOSC Procurement  
Description: The Purchasing Accounting System was the system used to create and monitor Purchase Requests and Purchase Orders plus track dollar amounts and delivery dates. This function is now performed by MAXIMO. The JBOSC Procurement Organization now uses OP03 to respond to inquiries (including NASA inquiries) on historical data.

**OP06 EXPO Exhibitor Registration Application**

Category: 1  
Computer: NASA Server  
Information Category: PUB  
Language: Cold Fusion 5

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DBMS Type: SQL Server 2000  
Media:  
Interfaces: EDW  
System Owner: Marsh, Gloria  
System Owner Org: OP-CIAO  
Number of NASA Users:  
Number of Non-NASA Users:  
Primary Customers: NASA OP  
Description: Exhibitor Registration for this Annual Trade show sponsored by NASA/KSC Small Business Council, 45th Space Wing and Canaveral Port Authority.

**PA01 Public Affairs Metrics Tracking**

Category: 2  
Computer: JBOSC Server  
Information Category: BRT  
Language: Visual Basic 6  
DBMS Type: Access 97  
Media: N/A  
Interfaces: None  
System Owner: Malone, Lisa  
System Owner Org: XA  
Number of NASA Users: 1-10  
Number of Non-NASA Users: N/A  
Primary Customers: NASA Public Affairs  
Description: This Public Affairs Metric Tracking System is the collection point for the Public Affairs Branch data to track and report information on metrics.

**PA04 Public Affairs Car Pass Tracking**

Category: 2  
Computer: JBOSC Server  
Information Category: ADM  
Language: Visual Basic 6.0  
DBMS Type: Access 97  
Media: N/A  
Interfaces: None  
System Owner: Malone, Lisa  
System Owner Org: XA  
Number of NASA Users: 1-10  
Number of Non-NASA Users: 1-10  
Primary Customers: NASA Public Affairs

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Description: This Public Affairs Car Pass Tracking System, PA04 is a collection point for the Public Affairs Branch to track and report information on car passes requested and granted at Kennedy Space Center.

**PM50 KSC Training and Certification Record System**

Category: 1  
 Computer: IBM Mainframe  
 Information Category: BRT  
 Language: NATURAL  
 DBMS Type: ADABAS  
 Media: Disk, Tape (6250 BPI)  
 Interfaces: RD00, NPPS, PASS, USA TTSS, Boeing Training Server, JBOSC BOC for JBOSC and L-M Comprehensive Health Systems (2) AirForce (AJJ) and EDW (2)

System Owner: Norman, James  
 System Owner Org: BA-C  
 Number of NASA Users: 10-50  
 Number of Non-NASA Users: over 50  
 Primary Customers: JBOSC, SFOC, Boeing, NASA  
 Description: The PM50 system is an Online data base system to provide the user with immediate update and retrieval capabilities. This is necessary for maintaining current training and certification status information on personnel who directly support shuttle operations. Inputs are made through file transfers and online screens which allow the users to add, modify, delete, and query records. Batch reports are generated by the user on request. Query programs are available to give the user visibility to database files.

**PM51 KSC Uniques for NTDS**

Category: 2  
 Computer: IBM Mainframe  
 Information Category: BRT  
 Language: NATURAL  
 DBMS Type: PNATA  
 Media: DASD  
 Interfaces: PM92  
 System Owner: Norman, James  
 System Owner Org: BA-C  
 Number of NASA Users: 1-10  
 Number of Non-NASA Users:

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Primary Customers: NASA  
 Description: All KSC unique requirements not addressed by NTDS  
 (NASA Training and Development System)

**PM92 NASA Training & Development System (NTDS)**

Category: 2  
 Computer: IBM Mainframe  
 Information Category: BRT  
 Language: NATURAL  
 DBMS Type: PNATC  
 Media: Disk  
 Interfaces: RD00 Tape, Bar Code Readers, NPPS (AC02), PC FTP  
 System Owner: Norman, James  
 System Owner Org: BA-C  
 Number of NASA Users: 1-10  
 Number of Non-NASA Users:  
 Primary Customers: NASA  
 Description: Agencywide Training Application

**RC02 KSC Locator**

Category: 2  
 Computer: JBOSC Server  
 Information Category: ADM  
 Language: Clipper  
 DBMS Type: Dbase  
 Media: Disk  
 Interfaces: IT01  
 System Owner: Mayers, Jan  
 System Owner Org: TA-E1  
 Number of NASA Users: over 2000  
 Number of Non-NASA Users: over 50  
 Primary Customers: NASA, Contractor  
 Description: The Kennedy Space Center Locator (RC02) is a listing of all KSC NASA and contractor personnel, including their phone numbers, mail codes, and office locations as well as a classified listing of various KSC activities and services. The original batch Cobol system still exists on the Amdahl mainframe and is used only to reference the Locator for various reports, the telephone directory and Locator listings. The mainframe system is updated from the PC system nightly or as needed to keep the two data sets synchronized. The read only version of the software exists on PI and the NT server.

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The Read-Write version of the software is on the NT server as ATS-RC02.

The real-time online system is SPAN-Fm. The system is accessible by all computer users on the KSC network, specifically the telephone operators in the Communications Distribution & Switching Center (CDSC). The CDSC operators maintain the Classified Listing which is a part of the Locator system.

### **RD00 SPS Common Modules**

Category:	2
Computer:	IBM Mainframe
Information Category:	BRT
Language:	NATURAL
DBMS Type:	PNATA
Media:	Disk, Tape (1600 BPI)
Interfaces:	RC02, RD05, PM50, PDMS, X.500, PASS, FF03, NPPS, Data extract for BOEING and USA,
System Owner:	Bartley, Clinton
System Owner Org:	IT-B
Number of NASA Users:	1-10
Number of Non-NASA Users:	
Primary Customers:	NASA
Description:	This application transfers PASS data to RD00 weekly. It deletes and recreates files for transfer to other systems. Provides common modular computer program support to all Safety and Protective Services systems, and employee information and data store for PM50. It contains standard log-on control and menu handling, a central table update that allows user independence, audit trail features to ensure file integrity and assist in problem solving.

### **RD01 Key Core Code Tracking System**

Category:	2
Computer:	IBM-PC
Information Category:	ADM
Language:	Clipper
DBMS Type:	dBASE
Media:	Disk
Interfaces:	None
System Owner:	Maust, Linda
System Owner Org:	NASA

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Number of NASA Users: 1-10  
Number of Non-NASA Users: 1-10  
Primary Customers: NASA (Linda Maust)/JBOSC  
Description: The Key Code Core Tracking System is used by Security Services to track the Locksmith key code core combinations for all locks at KSC and NASA controlled buildings. The PC stand-alone system allows the locksmith to retrieve data on existing combinations and generate new cores by using the pinning chart processing. Use is restricted to the Locksmith, but benefits all KSC organizations.

**RD02 NASA Personnel Security Information**

Category: 2  
Computer: IBM Mainframe  
Information Category: BRT  
Language: NATURAL  
DBMS Type: ADABAS  
Media: Disk  
Interfaces: PM93 (NPPS) - NASA PERSONNEL  
System Owner: Brophy, JoAnn  
System Owner Org: TA-E2  
Number of NASA Users: 1-10  
Number of Non-NASA Users:  
Primary Customers: NASA Security Office  
Description: Contains records of security information on KSC-NASA employees and selected data elements from the personnel files. Record keeping security investigative information is updated to the master file monthly.

**RD05 Security Awareness Index**

Category: 2  
Computer: IBM Mainframe  
Information Category: BRT  
Language: NATURAL  
DBMS Type: ADABAS  
Media: Disk  
Interfaces: PM50, RD00  
System Owner: Klotz, Patrick  
System Owner Org: TA-E2  
Number of NASA Users: 1-10  
Number of Non-NASA Users:  
Primary Customers: NASA/JBOSC, SFOC, other contractors/subcontractors

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Description: Contains records of security awareness training, course information and scheduling, and training aid information on NASA and contractor employees, and other required persons. Provides rebriefing requirements and foreign travel tracking capability.

### **RD06 Security Services Case Tracking**

Category: 2  
 Computer: IBM-PC  
 Information Category: BRT  
 Language: Clipper  
 DBMS Type: dBASE  
 Media: Disk  
 Interfaces: None  
 System Owner: Klotz, Patrick  
 System Owner Org: TA-E2  
 Number of NASA Users: 1-10  
 Number of Non-NASA Users: 1-10  
 Primary Customers: NASA/JBOSC  
 Description: The Security Services Case Tracking System is used to track case investigations and related information for JBOSC Security. It contains processes to add, modify and delete records as well as reporting capabilities and stand-alone file maintenance utilities. Application is used by JBOSC for reporting to NASA.

### **RD08 Personnel Investigation Monitoring System (PIMS)**

Category: 2  
 Computer: JBOSC Server  
 Information Category: BRT  
 Language: Clipper  
 DBMS Type: dBASE  
 Media: Disk  
 Interfaces: None  
 System Owner: Klotz, Patrick  
 System Owner Org: TA-E2  
 Number of NASA Users: 1-10  
 Number of Non-NASA Users: 1-10  
 Primary Customers: NASA/JBOSC  
 Description: The RD08 Personnel Investigation System is an application which automate the personnel monitoring functions of the JBOSC Security Organization. The system tracks employee

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data and any open or closed cases. The system allows the user to track monitored cases on a scheduled basis, as well a non-monitored cases. The system also tracks gun club history for each employee. This application resides on a closed network environment with the JBOSC Security work area.

### **RD29 Security/Fire Outage Tracking System**

Category:	2
Computer:	JBOSC Server
Information Category:	ADM
Language:	Visual Basic 6.0
DBMS Type:	
Media:	Disk
Interfaces:	None
System Owner:	Stevens, Michael B.
System Owner Org:	TA-E2
Number of NASA Users:	10-50
Number of Non-NASA Users:	1-10
Primary Customers:	NASA/JBOSC
Description:	The Security/Fire Outage Tracking System is a PC application designed to track the fire and security system activity, to include trouble tickets, PMI's, OMI's, outages, etc., thus providing PSCC Console operators with real time information and awareness. Provides real-time fire and security system status by location to the operator for relay to responding Fire and Security Emergency personnel. Primary users are located at the JCCC.

### **RD30 Security Services Incident Reporting**

Category:	2
Computer:	IBM-PC
Information Category:	BRT
Language:	Visual Basic
DBMS Type:	
Media:	Tape (6250 BPI)
Interfaces:	None
System Owner:	Klotz, Patrick
System Owner Org:	TA-E2
Number of NASA Users:	1-10
Number of Non-NASA Users:	1-10
Primary Customers:	NASA/JBOSC
Description:	The RD30 Security Services Incident Reporting system

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automates the tracking of incident reports created by the JBOSC security officers. The system also tracks Spot Checks that are performed by the security office. Each morning, information from the previous day is keyed in. This data is grouped into a Synopsis report that is used by NASA. This data is copied to NASA electronically. This application resides on a user's workstation in the JBOSC security office and is shared through Windows 95 with other users in the office. The application is also installed on the NASA security server. The application databases are copied to the NASA security office server on a daily basis. This system is used by NASA and JBOSC Security to support NASA and the Air Force.

**RD40 Fire Inspection Tracking System w/Barcode**

Category:	2
Computer:	JBOSC Server
Information Category:	ADM
Language:	Visual Basic 5.0
DBMS Type:	N/A
Media:	N/A
Interfaces:	None
System Owner:	Stevens, Michael B.
System Owner Org:	TA-E2
Number of NASA Users:	10-50
Number of Non-NASA Users:	1-10
Primary Customers:	NASA/JBOSC
Description:	The Fire Inspector Extinguisher Tracking has been written to support automated Fire Inspection reporting to NASA. It has the capability of producing MS Word "Inspection Reports" that are sent as Email Attachments to the inspection site Manager. Inspections are tracked via an extensive reporting system. The system has local compressed database Backup capabilities in case of Network problems. Used to benefit all KSC and CCAFS organizations.

**RG67 NASA Equipment Management System Property Custodian Module**

Category:	1
Computer:	IBM Mainframe
Information Category:	BRT
Language:	NATURAL
DBMS Type:	ADABAS

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Media: Disk  
 Interfaces: RG68, RG69  
 System Owner: Denis, Rebecca  
 System Owner Org: TA-E1  
 Number of NASA Users: 10-50  
 Number of Non-NASA Users: 10-50  
 Primary Customers: JBOSC, SFOC, PGO, other contractors, NASA Logistics Directorate

Description: A standard agency-wide system designed as an extension of RG68 NEMS to provide an interface to approve equipment status by 'Electronic signature' of the Property Custodian and/or the NEMS Manager. The Property Custodian's function is to initiate online transactions against equipment assigned to them; the NEMS Managers' function is to approve the Property Custodians' transactions allowing the transactions to be processed against the Equipment file. The use of NEMSPCM significantly reduces the amount of paperwork required through the automated 1602 processing. Property Custodians and NEMS Control are able to process online transactions which primarily deal with equipment ownership.

Per Nancy Gamble, 08/29/05, RG67, RG68, RG69 and RG90 are collectively know as CAMS. A standard agency-wide system designed as an extension of RG68 NEMS to provide an interface to approve equipment status by 'Electronic Signature' of the Property Custodian and/or the NEMS Manager. The Property Custodian's function is to initiate online transactions against equipment assigned to them; the NEMS Managers' function is to approve the Property Custodians' transactions allowing the transactions to be processed against the Equipment file. The use of NEMSPCM significantly reduces the amount of paperwork required through the automated 1602 processing. Property Custodians and NEMS Control are able to process online transactions which primarily deal with equipment ownership.

### **RG68 NASA Equipment Management System (NEMS)**

Category: 1  
 Computer: IBM Mainframe  
 Information Category: BRT  
 Language: NATURAL  
 DBMS Type: ADABAS  
 Media: Disk

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Interfaces: RG67, RG69, RG90,.  
System Owner: Denis, Rebecca  
System Owner Org: TA-E1  
Number of NASA Users: 10-50  
Number of Non-NASA Users: 10-50  
Primary Customers: JBOSC, SFOC, PGO, other contractors, NASA Logistics Directorate  
Description: A standard agency system designed to track information and activity pertaining to NASA capital and sensitive equipment. NEMS transactions track the movement of equipment in and out of an installation, equipment disposal, equipment maintenance, and equipment inventory. Transactions are entered, edited, and applied Online. Batch reports assist in both monitoring these activities and maintaining an accurate and up-to-date database. All items are managed by Equipment Control Number (ECN). The Online system is menu driven with formatted screens; the user enters the information that determines which screen appears next, or enters data necessary to update an equipment or table record. Capabilities are: Online updating of the local database, overnight updating of the central database, Online query and report generation, Online NASA-wide screening of the central database, standardization of data elements throughout the agency, automation of the inventory process, and computer generated standard forms. The system has separate partitions for each user.

Per Nancy Gamble, 08/29/05, RG67, RG68, RG69 and RG90 are collectively know as CAMS.

**RG69 NASA Equipment Inventory System**

Category: 1  
Computer: IBM Mainframe  
Information Category: BRT  
Language: Natural  
DBMS Type: ADABAS  
Media:  
Interfaces: RG68, RG67  
System Owner: Denis, Rebecca  
System Owner Org: TA-E1  
Number of NASA Users: 10-50  
Number of Non-NASA Users: 10-50  
Primary Customers: NASA  
Description: A standard agency system designed to capture physical

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inventory data and process this data against the capital equipment file. The inventory is done with a bar code reader, exploded to a PC, and then uploaded to the mainframe. Online transactions are provided for reconciling the physical inventory with the equipment file. The system provides for multiple locations and users.

Per Nancy Gamble, 08/29/05, RG67, RG68, RG69 and RG90 are collectively know as CAMS.

**RG71 LSOC Logistics Open Requirements Management Tracking System (LORMS)**

Category:	2
Computer:	IBM Mainframe
Information Category:	BRT
Language:	NATURAL
DBMS Type:	ADABAS
Media:	Disk
Interfaces:	None
System Owner:	Johnson, William H.
System Owner Org:	USA
Number of NASA Users:	1-10
Number of Non-NASA Users:	1-10
Primary Customers:	SFOC
Description:	Used to process, control, manage, and report the status of all Orbiter-related open items. Included are mod kits, component end items, LRUs, spares, and flight GSE. A menu selection is provided for update or report generation. All records and data elements pertaining to receipt, deletion, and modification are included in the system. There is about 10,000 records in the system.

**RG90 NPDMS-NASA Property Disposal Management System Aim Standard**

Category:	1
Computer:	IBM Mainframe
Information Category:	BRT
Language:	NATURAL
DBMS Type:	ADABAS
Media:	N/A
Interfaces:	None
System Owner:	McGinnis, Pauletta
System Owner Org:	TA-E1
Number of NASA Users:	1-10

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Number of Non-NASA Users: 1-10  
Primary Customers: NASA Logistics Directorate  
Description: NASA Property Disposal System (NPDMS). The NPDMS is an online, menu-driven system providing the system user with the capability to enter transactions affecting the status and disposition of excess property items, request ad hoc reports, modify system user access capability, and select and determine batch report tape and frequencies. It also provides automatic determination of excess item status based upon screening dates and generates the appropriate reports.

Per Nancy Gamble, 08/29/05, RG67, RG68, RG69 and RG90 are collectively known as CAMS.

**SA01 Area Access Application**

Category: 1  
Computer: NASA Server  
Information Category: ADM  
Language: Cold Fusion 5  
DBMS Type: SQL Server  
Media:  
Interfaces: EDW  
System Owner: Brisbin, Steven  
System Owner Org: SA-E  
Number of NASA Users:  
Number of Non-NASA Users:  
Primary Customers: NASA  
Description: Provide access and tracking of video's and web training required for special work area access

**SA03 Safety Concern Reporting System**

Category: 1  
Computer: NASA Server  
Information Category: ADM  
Language: Coldfusion 5  
DBMS Type: SQL 7.0  
Media:  
Interfaces: None  
System Owner: Preston, Robert  
System Owner Org: SA - E  
Number of NASA Users:  
Number of Non-NASA Users:

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Primary Customers: NASA KSC Personnel  
 Description: The Safety Concern Reporting System allows NASA personnel at KSC to report safety concerns through this online Web based application. Reports are routed to appropriate personnel for action.

### **SI01 Shuttle Landing Facility Log System**

Category: 2  
 Computer: Server  
 Information Category: ADM  
 Language: Clipper  
 DBMS Type: dBASE  
 Media: N/A  
 Interfaces: N/A  
 System Owner: Taff, Albert  
 System Owner Org: NASA TA-F-F  
 Number of NASA Users: 1-10  
 Number of Non-NASA Users: 1-10  
 Primary Customers: Air Traffic Controllers  
 Description: The Shuttle Landing Facility Log System serves two major functions for Airfield Services, a Prior Permission Request (PPR) log of flight activity tracking for each KSC arrival, and a Daily log of significant SLF events that is printed to satisfy FAA requirements. Reports provide data for numerous purposes, including traffic count data for JSC billing (JSC owns the fuel that is pumped), propellants, LOX servicing, scheduled support, scheduled maintenance, airspace intrusions, and SGS metrics

### **SI07 PAMIS Printing & Micrographics**

Category: 2  
 Computer: JBOSC Server  
 Information Category: ADM  
 Language: Clipper  
 DBMS Type: dBASE  
 Media: Disk  
 Interfaces: None  
 System Owner: Mayers, Jan  
 System Owner Org: TA-E1  
 Number of NASA Users: 50-100  
 Number of Non-NASA Users: over 50  
 Primary Customers: NASA/JBOSC

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Description: Supports printing, micro-imaging and microform repository.

### **SI18 Propellant Handler's Ensemble Tracking System (PHE)**

Category: 2  
 Computer: JBOSC Server  
 Information Category: ADM  
 Language: Clipper  
 DBMS Type: dBASE  
 Media: Disk  
 Interfaces: None  
 System Owner: Dudzinski, Dennis  
 System Owner Org: WYLE  
 Number of NASA Users: 1-10  
 Number of Non-NASA Users: 1-10  
 Primary Customers: NASA/JBOSC  
 Description: The PHE Discrepancy Tracking System is used to provide the Life Support Organization with a locally controlled system to track discrepancies, corrective actions and related data. Its purpose is to provide information used to supplement the existing PRACA system and provide the additional managerial information needed to redefine the corrective action process. Used by Wyle Labs for generating reports for NASA, JBOSC and other contractors. (i.e. anyone who uses SCAPE).

### **SI36 Data Entry System**

Category: 2  
 Computer: IBM Mainframe  
 Information Category: BRT  
 Language: NATURAL  
 DBMS Type: ADABAS  
 Media: Disk  
 Interfaces: GH29, RG38, RG60  
 System Owner: Miller, Margaret  
 System Owner Org: GG-A  
 Number of NASA Users: 1-10  
 Number of Non-NASA Users: 1-10  
 Primary Customers: NASA, JBOSC  
 Description: Data Entry facility replacing keymaster key-to-disk product. Basic data entry facility for NASA Payroll, Time and Attendance.

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**SI37 Propellants/Life Support Scheduling System**

Category:	2
Computer:	JBOSC Server
Information Category:	ADM
Language:	Clipper
DBMS Type:	dBASE
Media:	Disk
Interfaces:	None
System Owner:	Dudzinski, Dennis
System Owner Org:	WYLE
Number of NASA Users:	1-10
Number of Non-NASA Users:	1-10
Primary Customers:	NASA/JBOSC
Description:	The LIFE SUPPORT SCHEDULING System (S137) is a PC Network based job roster used by JBOSC for day-to-day operations including SCAPE. This system displays a list of jobs for each functional area on a large monitor already installed in the work areas. The system allows update of the job rosters from a central location with a highlight notification and receipt of notification response. This work is in support of NASA, AF, and contractors including USA, Boeing, Lockheed Martin, Wiltech, InDyne, United Paradyne, NAVY, SVT.

**SI49 Outbound Freight Traffic**

Category:	2
Computer:	JBOSC Server
Information Category:	ADM
Language:	Clipper
DBMS Type:	dBASE
Media:	Disk
Interfaces:	None
System Owner:	Satterthwaite, Marlene
System Owner Org:	NASA
Number of NASA Users:	1-10
Number of Non-NASA Users:	1-10
Primary Customers:	NASA/JBOSC
Description:	The Outbound Freight Register Function provides the facilities control on all outbound International and Domestic shipments. It also allows the facilities to process requests for shipments, initiate and print DD Form 1149, Commercial and Government Bills of Lading or other supporting documentation necessary for processing all outbound

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International and Domestic shipments.

**TA01 KSC Action Item Tracking System (KAITS)**

Category:	1
Computer:	JBOSC Server
Information Category:	BRT
Language:	ColdFusion
DBMS Type:	SQL 7.0
Media:	N/A
Interfaces:	None
System Owner:	Gross, Sue
System Owner Org:	AE
Number of NASA Users:	1800-2000
Number of Non-NASA Users:	0
Primary Customers:	NASA
Description:	KAITS is a Web-Based application used to initiate, process and monitor action items assigned to NASA Organizations and/or employees. KAITS can be used by all NASA KSC organizations for the tracking of action assignments and the dissemination of action in KAITS provides a single repository of information for all actions and reference material.

**TA02 Conference Room Scheduler (CRS)**

Category:	2
Computer:	ODIN Server
Information Category:	ADM
Language:	ASP
DBMS Type:	SQL 7.0
Media:	N/A
Interfaces:	TA06
System Owner:	Bookhart, Bryan
System Owner Org:	IT-D3
Number of NASA Users:	over 2000
Number of Non-NASA Users:	
Primary Customers:	KSC Employees
Description:	The TA02 Conference Room Scheduler (CRS) system allows KSC employees to review conference room schedules and reserve a room. The conference room monitor and scheduler automatically receive e-mail of the scheduled event. Conference rooms are classified as Open (anyone can schedule the room), Closed (requires room monitor approval to schedule), or Private (can be scheduled only by room

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monitor).

**TA04 Records Management Training System (RMTS)**

Category:	2
Computer:	ODIN Server
Information Category:	ADM
Language:	ColdFusion, MacroMedia(Flash)
DBMS Type:	Access
Media:	N/A
Interfaces:	None
System Owner:	Tewksbury, Marilee
System Owner Org:	TA-E1
Number of NASA Users:	100-200
Number of Non-NASA Users:	
Primary Customers:	KSC Wide
Description:	Developed for the KSC Training Office to serve the training needs of the KSC Records Officer. RMTS is a web-based training system available to all KSC users.

**TA05 TechDoc 2**

Category:	1
Computer:	Tech Doc Server
Information Category:	MSN/BRT
Language:	Java
DBMS Type:	SQL 2000
Media:	N/A
Interfaces:	None
System Owner:	Paquette, Carolyn
System Owner Org:	IT-D3
Number of NASA Users:	over 2000
Number of Non-NASA Users:	
Primary Customers:	NASA/JBOSC
Description:	TechDoc 2.0 is a document management system developed by NASA to control the publication, release, and maintenance of documents. TechDoc is available via a web interface to all KSC employees and other authorized users off center. Some documents are also available to the general public. TechDoc 2.0 is used by each of the major contractors at KSC to store and manage their documents. This system is comprised of two search managers (TDSearch and TDGlobal) and three database servers (TDKSC, TDJBOSC, and TDELV).

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**TA06 KSC Employee Data Warehouse (EDW)**

Category:	1
Computer:	ODIN Server
Information Category:	BRT
Language:	ASP
DBMS Type:	SQL 7.0
Media:	N/A
Interfaces:	AC02, HM03, GG03, PM50, JB06, JB11, IT01, RD00, RD02, ASTAR, TA01, JP01, TA16, BA02, TA17, BA03, WTADS, BA01, GG02, TA02, Email
System Owner:	Kirkpatrick, Cindy
System Owner Org:	IT-D
Number of NASA Users:	50-100
Number of Non-NASA Users:	
Primary Customers:	NASA
Description:	The Employee Data Warehouse (EDW) was developed to provide a warehouse of employee-related data from numerous authoritative sources, both KSC sources and Agency-wide enterprise business systems. The data collected includes NASA corporate personnel information as well as X500 information on KSC civil service and contractor employees, for everyone badged at KSC. Data is collected from many sources including PASS, FPPS, TCRS, SSMT, and E-mail. The data collected from the authoritative sources can then be distributed to other applications requiring access to employee-related data. The applications requiring employee-related data no longer have to interface to each authoritative source of the data, thereby relieving numerous applications of interfacing with a multitude of source applications to retrieve required data. The warehouse also provides the benefit of one application change when a data source changes, rather than each application utilizing the data having to change. The requests for data by individuals and applications are approved by each data's custodian for distribution to the requesting entity. The EDW data can also be viewed by approved users on-line.

**TA08 Access Control and Intrusion Detection System II (ACIDS II)**

Category:	2
Computer:	JBOSC Server
Information Category:	MSN

Language: C  
DBMS Type: N/A  
Media: Disk, Tape  
Interfaces: SQL  
System Owner: Stevens, Michael L.  
System Owner Org: TA-E2  
Number of NASA Users: 10-50  
Number of Non-NASA Users:  
Primary Customers: NASA/JBOSC Security  
Description: ACIDS II provides Access Control and Intrusion Detection capabilities at various KSC controlled areas. The system receives intrusion alarms and cardreader access information from 34 intelligent Remote Terminal Units. Alarms and database information are displayed on operator X terminals. Remote database access and visitor authorization capability are provided by Pentium workstations.

**TA09 Access Transaction History Subsystem (ATHS)**

Category: 2  
Computer: JBOSC Server  
Information Category: MSN  
Language: C  
DBMS Type: SQL  
Media: N/A  
Interfaces: PASS, ACIDS II, LOACS  
System Owner: Stevens, Michael L.  
System Owner Org: TA-E2  
Number of NASA Users: 10-50  
Number of Non-NASA Users:  
Primary Customers: NASA/JBOSC Security  
Description: The ATH records access transactions effected on two Access Control systems and records them on optical media. The system is used for Security investigations. The ATH also distributes area authorization/de-authorizations to the Access Control Systems.

**TA10 Launch Operations Access Control System (LOACS)**

Category: 2  
Computer: JBOSC Server  
Information Category: MSN  
Language: C  
DBMS Type: N/A

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Media:	Disk
Interfaces:	ATHS
System Owner:	Stevens, Michael L.
System Owner Org:	TA-E2
Number of NASA Users:	1-10
Number of Non-NASA Users:	
Primary Customers:	NASA/SFOC/JBOSC Security
Description:	LOACS provides access control functions for the firing rooms and other facilities in the Launch Control Complex (LCC) area. Authorizations and deauthorizations to access KSC controlled areas are generated in the Personnel Access Security System (PASS) and sent to LOACS through the Access Transaction History Subsystem (ATHS). Eventually all areas monitored and controlled by LOACS will migrate to the Access Control & Intrusion Detection System (ACIDS) II.

**TA11 Specifications-Kept-Intact (SpecsIntact)**

Category:	1
Computer:	JBOSC Server
Information Category:	MSN
Language:	Visual Basic 6.0, Visual C++, C
DBMS Type:	N/A
Media:	N/A
Interfaces:	Word, Project, Adobe Acrobat
System Owner:	Morales, Miguel
System Owner Org:	NASA
Number of NASA Users:	over 2000
Number of Non-NASA Users:	over 50
Primary Customers:	NASA/JBOSC
Description:	An automated system for preparing facility construction specifications used worldwide by NASA, Navy, and Army. The software is continually enhanced in response to user suggestions and guidance from the Interagency Configuration Control and Coordinating Board, which oversees any changes to the system. Operation and Maintenance includes program upgrades, enhancements and problem corrections. JBOSC distributes the software to the National Institute of Building Sciences (NIBS) and posts software releases for download from the SI Web site. JBOSC also provides telephone support services to users worldwide - Monday through Friday 7:30 am to 4:30 pm, maintains and updates the SpecsIntact web pages, and updates and maintains user documentation. JBOSC is required to coordinate and present at bi-annually Interagency Configuration Control and Coordinating Board Meetings,

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document and post minutes on the web site.

**TA14 KSC Electronic Forms FileNet Electronic Forms Manager**

Category: 2  
 Computer: JBOSC Server  
 Information Category: ADM  
 Language: COTS, HTML, ColdFusion, Javascript, JAVA  
 DBMS Type: Access  
 Media:  
 Interfaces: Ames, JSC, USA Forms Server  
 System Owner: Mayers, Jan  
 System Owner Org: TA-E1  
 Number of NASA Users: 1800-2000  
 Number of Non-NASA Users: over 50  
 Primary Customers: JBOSC, NASA, ODIN  
 Description: The FileNet Forms Manager is a 300 concurrent use license that operates as a thick client application. JBOSC and ODIN are responsible for application deployment to user desktops. There are potentially 5,000 - 6,000 users. The application runs on the user desktop, or a second method of electronic forms retrieval is via ColdFusion web pages from the SGS Home page URL kscforms.

Updated description per Nancy Gamble, 08/29/05. The Kennedy Electronic Forms Systems (KEFS) is a suite of tools for filling out, saving, and submitting electronic forms, all using the desktop computer. KEFS uses a commercial software application called Informed Filler to provide KSC users with electronic form capabilities. The FileNet Forms Manager is a 300 concurrent use license that operates as a thick client application. JBOSC and ODIN are responsible for application deployment to user desktops. There are potentially 5,000 - 6,000 users. The application runs on the user desktop, or a second method of electronic forms retrieval is via ColdFusion web pages from the SGS Home Page URL kscforms.

**TA15 KSC Fire Alarm System**

Category: 2  
 Computer: IBM-PC  
 Information Category: BRT  
 Language: COTS (Simplex)

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DBMS Type:	N/A
Media:	
Interfaces:	None
System Owner:	Stevens, Michael B.
System Owner Org:	TA-E2
Number of NASA Users:	N/A
Number of Non-NASA Users:	1-10
Primary Customers:	NASA
Description:	Utilizes a MS Windows 95 Operating System. Displays fire alarm information to dispatchers. System used for annunciating and controlling the various fire alarm points of NASA facilities. The graphical interface allows operators to interact with the system through the use of mouse, keyboard, and touch screen input. The Simplex systems can be monitored at the Joint Communications Control Center (JCCC) at KSC and the Alternate Joint Communications Control Center (A-JCCC) at CCAFS. JBOSC is responsible for sustaining the displays and database.

#### **TA16 Communication Device Tracking System (CDTS)**

Category:	2
Computer:	IBM-PC
Information Category:	TBD
Language:	Visual Basic 6
DBMS Type:	SQL 7.0
Media:	N/A
Interfaces:	EDW
System Owner:	Jackson, Andra
System Owner Org:	NASA
Number of NASA Users:	
Number of Non-NASA Users:	
Primary Customers:	JBOSC Information Management Directorate
Description:	The Communication Device Tracking System (CDTS) tracks assignments of cell phones and pagers for NASA and the JBOSC contract, and tracks billing for the JBOSC cell phones and pagers. It takes relevant employee data from EDW, and tracks new device assignments, device transfers, and device turn-ins. For JBOSC devices, each device assignment then gets the appropriated cost from the vendor's billing file, and this information is reported monthly for the JBOSC contract and for each directorate within JBOSC.

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**TA17 Safety Variance Request Process System (SVRPS)**

Category:	2
Computer:	ODIN Server
Information Category:	ADM
Language:	Cold Fusion
DBMS Type:	SQL 7.0
Media:	
Interfaces:	X 500, Microsoft Outlook
System Owner:	Ellison, Robert
System Owner Org:	QA-B
Number of NASA Users:	over 2000
Number of Non-NASA Users:	over 50
Primary Customers:	Used by All KSC NASA/Contractor Employees
Description:	The Safety Variance Request Processing System (SVRPS) is a web-based system for the initiation and processing of requests for variances from NASA and KSC safety procedures. The SVRPS allows the entry of variance request information. The request is electronically routed through email for review and approval to the appropriate safety officials. The requestor is notified of action through email. All KSC NASA and contractor employees have access to the system. SVRPS interfaces with the X500 database to verify users. The SVRPS automatically expires requests on expiration dates and notifies originator and approvers of expiration.

**TA18 Surplus Property Sales Program**

Category:	1
Computer:	NASA Server
Information Category:	PUB
Language:	Cold Fusion 5
DBMS Type:	SQL Server 2000
Media:	
Interfaces:	None
System Owner:	Remley, Mary
System Owner Org:	NASA TA
Number of NASA Users:	
Number of Non-NASA Users:	
Primary Customers:	NASA
Description:	Website providing Surplus property sales information to the General Public.

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**TA20 Facility Space Utilization Application (FSUA)**

Category:	1
Computer:	JBOSC Server
Information Category:	BRT
Language:	Coldfusion, PLSQL, Java Script, C++, ArcObjects
DBMS Type:	A Spatial Data Engine (SDE) Oracle Database
Media:	Web-based
Interfaces:	JB11, JB31, TA06
System Owner:	Knight, John
System Owner Org:	TA-F
Number of NASA Users:	1-10
Number of Non-NASA Users:	over 50
Primary Customers:	Real Property
Description:	The Facility Space Utilization Application (FSUA) was built to support the management of space (i.e., assignment of rooms). The primary users of this system are Space Gateway Support's (SGS) Facility Space Utilization Group and individuals who manage space for contractors. These individuals are referred to as Directorate Facility Utilization Managers (DFUMs) and Space Utilization Managers (SUMs). These terms are respectively used by NASA and Air Force.

The application is primarily web-based and allows users to access, read and modify data for space that are their responsibility. The application reads and displays employee data which is stored on the Self-service Management Tool (SSMT). Access and privileges to roles are controlled via user names and passwords. A separate application modules enables client-based, Geographic Information System (GIS) software to import floor and room drawings into the database. The application and data are housed on the Cape Canaveral Spaceport GIS.

**TA22 GIS - Cable Engineering Sub-Application**

Category:	1
Computer:	JBOSC Server
Information Category:	BRT
Language:	ESRI (COTS) Cold Fusion, HTML, Javascript, JAVA SVG, XML
DBMS Type:	Oracle 9i
Media:	
Interfaces:	TDCOMM
System Owner:	Smith, Leroy

System Owner Org: TA-F  
Number of NASA Users:  
Number of Non-NASA Users:  
Primary Customers: NASA  
Description: This GIS application allows cable engineering to retrieve cable drawings associated with buildings and man holes.

**TA23 GIS - Spaceport Map Viewer**

Category: 1  
Computer: JBOSC Server  
Information Category: BRT  
Language: ESRI (COTS) Cold Fusion, HTML, Javascript, JAVA SVG, XML  
DBMS Type: Oracle 9i  
Media:  
Interfaces: JB31 - Facility Information Center  
System Owner: Smith, Leroy  
System Owner Org: TA-F  
Number of NASA Users:  
Number of Non-NASA Users:  
Primary Customers: NASA, AF  
Description: This is the KSC main web-base, GIS program.

**TA24 GIS - Electrical Ductbank Sub-Application**

Category: 1  
Computer: JBOSC Server  
Information Category: BRT  
Language: ESRI (COTS) Cold Fusion, HTML, Javascript, JAVA SVG, XML  
DBMS Type: Oracle 9i  
Media:  
Interfaces: None  
System Owner: Smith, Leroy  
System Owner Org: TA-F  
Number of NASA Users:  
Number of Non-NASA Users:  
Primary Customers: SGS Design Engineering  
Description: This GIS application allows electrical engineering to trace the flow path of electricity on the spaceport.

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**TA25 GIS - Geodetic Control Sub-Application**

Category: 1  
 Computer: JBOSC Server  
 Information Category: BRT  
 Language: ESRI (COTS) Cold Fusion, HTML, Javascript, JAVA SVG, XML  
 DBMS Type: Oracle 9i  
 Media:  
 Interfaces: National Geodetic Survey  
 System Owner: Smith, Leroy  
 System Owner Org: TA-F  
 Number of NASA Users:  
 Number of Non-NASA Users:  
 Primary Customers: SGS Survey  
 Description: This GIS application displays land survey information.

**TA26 GIS - NASA Environmental Management Sub-Application**

Category: 1  
 Computer: JBOSC Server  
 Information Category: BRT  
 Language: ESRI (COTS) Cold Fusion, HTML, Javascript, JAVA SVG, XML  
 DBMS Type: Oracle 9i  
 Media:  
 Interfaces: None  
 System Owner: Summerfield, Burt  
 System Owner Org: TA-C  
 Number of NASA Users:  
 Number of Non-NASA Users:  
 Primary Customers: NASA Environmental  
 Description: This GIS application displays NASA Environmental Data.

**TA27 GIS - Facility Floor Plans Sub-Application**

Category: 1  
 Computer: JBOSC Server  
 Information Category: BRT  
 Language: ESRI (COTS) Cold Fusion, HTML, Javascript, JAVA SVG, XML  
 DBMS Type: Oracle 9i  
 Media:  
 Interfaces: JB88 - Bentley Publisher

System Owner: Knight, John  
System Owner Org: TA-F  
Number of NASA Users:  
Number of Non-NASA Users:  
Primary Customers: NASA, AF  
Description: This GIS application allows users to retrieve floors associated with specific facilities.

**TA28 GIS - Excavation Permit Sub-Application**

Category: 1  
Computer: JBOSC Server  
Information Category: BRT  
Language: ESRI (COTS) Cold Fusion, HTML, Javascript, JAVA SVG, XML  
DBMS Type: Oracle 9i  
Media:  
Interfaces: JB34 - Excavation Permit Request  
System Owner: Smith, Leroy  
System Owner Org: TA-F  
Number of NASA Users:  
Number of Non-NASA Users:  
Primary Customers: SGS  
Description: This GIS application allows users to create excavation permit maps.

**TA29 GIS - Planning Sub-Application**

Category: 1  
Computer: JBOSC Server  
Information Category: BRT  
Language: ESRI (COTS) Cold Fusion, HTML, Javascript, JAVA SVG, XML  
DBMS Type: Oracle 9i  
Media:  
Interfaces: JB31, TA06, JB34  
System Owner: Smith, Leroy  
System Owner Org: TA-F  
Number of NASA Users:  
Number of Non-NASA Users:  
Primary Customers: NASA, AF  
Description: This GIS application provides users to obtain current replacement value, square footage and people counts for buildings.

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**TA35 Environmental Program Branch Application**

Category:	1
Computer:	NASA Server
Information Category:	ADM
Language:	Cold Fusion 5
DBMS Type:	None
Media:	
Interfaces:	None
System Owner:	Callier, Diane
System Owner Org:	TA-C3
Number of NASA Users:	
Number of Non-NASA Users:	
Primary Customers:	NASA TA-C3
Description:	The Environmental Program Branch (EPB) Website offers information about and in support of KSC's Environmental Programs. This Calendar application supports EPB activities.

**TA39 Food Services Survey Application**

Category:	1
Computer:	NASA Server
Information Category:	ADM
Language:	Cold Fusion
DBMS Type:	SQL
Media:	
Interfaces:	None
System Owner:	Perry, Gordon
System Owner Org:	TA-A
Number of NASA Users:	
Number of Non-NASA Users:	
Primary Customers:	KSC Public at large
Description:	An online survey available to the KSC community to gather information about the KSC Food Services.

**TA40 Senior Management Planning Tool (SMPT)**

Category:	1
Computer:	IBM-PC
Information Category:	BRT
Language:	.net
DBMS Type:	Access/SQL desktop

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Media: Single NASA Laptop hard drive  
Interfaces: None  
System Owner: Kerr, Scott  
System Owner Org:  
Number of NASA Users:  
Number of Non-NASA Users:  
Primary Customers:  
Description: The SMPT Geographic Information System (GIS) application will allow National Aeronautics and Space Administration (NASA) facility analysts to analyze and plan for Kennedy Space Center's (KSC) future facility utilization. The application will consist of a number of modules to extend the functionality of ESRI's ArcEditor GIS software package.

**TA43 Automated External Defibrillator**

Category: 2  
Computer: JBOSC Server  
Information Category:  
Language:  
DBMS Type:  
Media:  
Interfaces:  
System Owner: Tipton, Dr. David  
System Owner Org: TA-C2  
Number of NASA Users:  
Number of Non-NASA Users:  
Primary Customers:  
Description: Automated External Defibrillation (AED) website hosted from the JBOSC website that provides on-line first responder training, links to the AED Handbook, policies, procedures and required AED Use Authorization and AED Use Registration forms.

**UB01 Florida Labor Management Application**

Category: 1  
Computer: NASA Server  
Information Category: PUB  
Language: Cold Fusion 5  
DBMS Type: SQL Server 2000  
Media:  
Interfaces: None  
System Owner: Lacanne, Patti

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System Owner Org: UB-M  
 Number of NASA Users:  
 Number of Non-NASA Users:  
 Primary Customers: NASA UB  
 Description: Application used for annual work shop registration.

### **UB02 Master Plan/Acquisition Forecast Application**

Category: 1  
 Computer: NASA Server  
 Information Category: ADM  
 Language: Cold Fusion 5  
 DBMS Type: SQL Server 2000  
 Media:  
 Interfaces: None  
 System Owner: LaCanne, Patti  
 System Owner Org: UB-M  
 Number of NASA Users:  
 Number of Non-NASA Users:  
 Primary Customers: NASA OP  
 Description: Master Buy and Acquisition Forecasting is required for each NASA Center for ALL anticipated contract opportunities in excess of \$100,000. KSC Directorate inputs are captured annually in the Master Plan/Acquisition Forecast Application.

### **US36 Quality Data Center (QDC) Viewer**

Category: 2  
 Computer: IBM-PC  
 Information Category:  
 Language: C  
 DBMS Type:  
 Media:  
 Interfaces:  
 System Owner: Kiep, Frank  
 System Owner Org: IDI  
 Number of NASA Users:  
 Number of Non-NASA Users:  
 Primary Customers: SFOC Quality Data Center  
 Description: US36 (USA) Quality Data Center (QDC) Viewer system allows viewing of reference documents for all shuttle missions that are complete. The JBOSC Engineering Documentation Center (EDC) scans the Payload Support Plans (PSPs) provided to them by SFOC, including the

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contractor and NASA quality inspection stamps for each step in the process of preparing for a shuttle mission, and puts their .tif images onto CD as an indexed file. The viewer searches the CDs of indexed files and displays the images that have been stored for the selected mission or PSP. The system allows the user to select from several viewing and printing options for the documents.

### **XA01 Opportunity for Improvement**

Category:	2
Computer:	ODIN Server
Information Category:	ADM
Language:	ColdFusion
DBMS Type:	SQL 7.0
Media:	N/A
Interfaces:	None
System Owner:	Foster, Michelle
System Owner Org:	XA-G
Number of NASA Users:	over 2000
Number of Non-NASA Users:	
Primary Customers:	NASA
Description:	The Opportunity for Improvement (OFI) system is designed to obtain comments and suggestions from the public and internal customers regarding any subject related to Kennedy Space Center. It has a web interface linked to the KSC homepage "Customer Connecting." Upon submission of a comment/suggestion, the OFI manager is notified, a directorate is assigned the action to evaluate the suggestion, suspense dates are established, and the OFI is processed through the HQ to the Management Advisory Board or Executive Council, as appropriate, until it is either implemented or determined not feasible. As the OFI is routed through the system, an audit trail is established and automatic e-mail is activated upon specific events.

### **XA02 Press Site Media Accreditation Application**

Category:	1
Computer:	NASA Server
Information Category:	PUB
Language:	Cold Fusion5
DBMS Type:	SQL Server 2000
Media:	

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Interfaces: None  
 System Owner: Warren, Kandy  
 System Owner Org: XA-E  
 Number of NASA Users:  
 Number of Non-NASA Users:  
 Primary Customers: NASA  
 Description: This application provides the World Wide Media a Web based method for requesting a badge for entry to KSC. The administrator portion of the application allows NASA personnel to manage and disposition the requests.

<http://media.ksc.nasa.gov> Applications using a login ID and Password. Transmits data using SSL Certificate. Application is hosted in the Kennedy Internet Facility.

### **XA03 Speakers Bureau Website Application**

Category: 1  
 Computer: ODIN Server  
 Information Category: PUB  
 Language: Cold Fusion 4  
 DBMS Type: SQL Server 2000  
 Media:  
 Interfaces: None  
 System Owner: Bell, Bennie  
 System Owner Org: XA-F1  
 Number of NASA Users:  
 Number of Non-NASA Users:  
 Primary Customers: NASA  
 Description: Application providing a method for requesting Speakers to support a specific event or activity. This site is also open to the General Public.

### **XA05 Press Site Media Metrics Application**

Category: 1  
 Computer: NASA Server  
 Information Category: ADM  
 Language: Cold Fusion 5  
 DBMS Type: SQL Server 2000  
 Media:  
 Interfaces: None  
 System Owner: Warren, Kandy  
 System Owner Org: XA-E

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Number of NASA Users:  
Number of Non-NASA Users:  
Primary Customers: NASA  
Description: This application captures and reports metric information for specifically identified Press Site activities.

**XA06 NASA Multi Media Gallery Application**

Category: 1  
Computer: NASA Server  
Information Category: PUB  
Language: Cold Fusion 5  
DBMS Type: SQL Server  
Media:  
Interfaces: None  
System Owner: Armstrong, Dennis  
System Owner Org: XA-E1  
Number of NASA Users:  
Number of Non-NASA Users:  
Primary Customers: Public  
Description: The Multi Gallery is used by the General Public to access archive Photos and video of NASA activities and other related activities, events, personnel and places.

**XA07 Mission Quiz**

Category: 1  
Computer: NASA Server  
Information Category: PUB  
Language: Coldfusion 5/Flash MX2004  
DBMS Type: SQL Server  
Media:  
Interfaces: None  
System Owner: Armstrong, Dennis  
System Owner Org: XA-E1  
Number of NASA Users:  
Number of Non-NASA Users:  
Primary Customers: Public  
Description: An application used as required prior to launch (SST and ELV) allowing the General Public access to a Mission specific quiz. There is also an administrative portion to manage the questions and answers as needed for each quiz.

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**XA08 Site Survey Application**

Category:	1
Computer:	NASA Server
Information Category:	PUB
Language:	Cold Fusion 5
DBMS Type:	SQL Server
Media:	
Interfaces:	None
System Owner:	Armstrong, Dennis
System Owner Org:	XA-E1
Number of NASA Users:	
Number of Non-NASA Users:	
Primary Customers:	NASA
Description:	The application captures site survey information when provided by the General Public. The Administrative portion of the application provided NASA personnel the ability to manage and report the survey data.

**XA09 Countdown Clock Application**

Category:	1
Computer:	NASA Server
Information Category:	PUB
Language:	ColdFusion5/Flash MX 2004
DBMS Type:	SQL Sever
Media:	
Interfaces:	None
System Owner:	Armstrong, Dennis
System Owner Org:	XA-E1
Number of NASA Users:	
Number of Non-NASA Users:	
Primary Customers:	General Public
Description:	A countdown ticker found on the KSC Home Page during SST launch.

**XA10 KSC Search Engine Application**

Category:	1
Computer:	NASA Server
Information Category:	PUB
Language:	Coldfusion 5
DBMS Type:	None
Media:	

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Interfaces: None  
 System Owner: Armstrong, Dennis  
 System Owner Org: XA-E1  
 Number of NASA Users:  
 Number of Non-NASA Users:  
 Primary Customers: General Public  
 Description: An application accessed from the KSC Internal Home Page to search KSC information.

### **XA11 Conversion Utility Application**

Category: 1  
 Computer: ODIN Server  
 Information Category: PUB  
 Language: Coldfusion 5  
 DBMS Type: None  
 Media:  
 Interfaces: None  
 System Owner: Armstrong, Dennis  
 System Owner Org: XA-E1  
 Number of NASA Users:  
 Number of Non-NASA Users:  
 Primary Customers: General Public  
 Description: Conversion utility uses JavaScript to display a pop-up window containing the converted value. Any HRML page can embed the proper link for conversion of Distance, Area, Volume, Liquid, Dry, Speed, Time, and Temperature. A total of 56 different conversion are possible.

### **XA13 KSC History Program Hall of Honor Application**

Category: 1  
 Computer: NASA Server  
 Information Category: ADM  
 Language: Cold Fusion 5  
 DBMS Type: SQL Server 2000  
 Media:  
 Interfaces: None  
 System Owner: Armstrong, Dennis  
 System Owner Org: XA-E1  
 Number of NASA Users:  
 Number of Non-NASA Users:  
 Primary Customers: NASA XA  
 Description: Application use by XA to receive historical information from

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retired aerospace employees and general public sources.

**XA16 Question Board Application**

Category: 1  
 Computer:  
 Information Category:  
 Language:  
 DBMS Type:  
 Media:  
 Interfaces:  
 System Owner: Armstrong, Dennis  
 System Owner Org: XA-E1  
 Number of NASA Users:  
 Number of Non-NASA Users:  
 Primary Customers:  
 Description: The Question Board Application is used prior to a Mission (Shuttle and ELV), where the public is invited to submit questions for review and after approval/moderation, posting to the "Question Board". The questions are answered by Mission Subject Matter Experts and posted. The Mission Question Board is available for a set amount of time then archived.

**YA02 Data Processing System (DPS)**

Category: 2  
 Computer: Loral OS/90, 3-SunSparc SunOS, DEC Workstation 5000 Ultrix 4.1B, and Alphatronix Optical Storage Disk Storage (Note: Compaq 1000 Unix Server for Optical Disk Storage & Database and 2-DEC Alpha 2000 Open VMS Ver. 7 for Launch Data.)  
 Information Category: SER  
 Language: ASP, Fortran, C, COTS (Matlab , PVWave)  
 DBMS Type: Oracle  
 Media: Sun Solaris  
 Interfaces: MADS, GMS, LPS  
 System Owner: Vu, Bruce T.  
 System Owner Org: YA-C2-T  
 Number of NASA Users: 10-50  
 Number of Non-NASA Users:  
 Primary Customers: NASA YA Labs and TestBeds  
 Description: The Data Processing System consists of Loral Open Systems 90 equipment, one Penny and Giles 14-track recorder, a DEC

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5000 ULTRIX Telemetry Front End (TFE) Workstation with Ingres database, two Loral Model IV 14-track tape recorders, one Loral 8470 Digital Discriminator, two Time Code Generator units, three sets of subcarrier discriminators, three oscillographs, one 429 Multiplexor encoder, one digital frequency discriminator, one analog to digital converter, two Wavetek signal filters and associated rack assemblies. The launch history data is stored in a 144 cartridge Alphasatronic Inspire II magneto-optical jukebox.

#### **STS DATA PROCESSING**

- Launch, Launch Abort, Launch Scrub Measurement Data Reduction - Approximately 4,000 analog and digital measurements are extracted and processed in the engineering computer center for each launch flight readiness firing, launch, launch abort, or scrub. These measurements are recorded by sensors on the shuttle orbiter, and on ground support equipment and the many structures around the two launch pads. This data is used to accurately analyze and predict the environmental stresses that is imposed on instruments and structures around the launch pads. Each measurement is assigned a unique number that classifies the measurement location and type. The engineering computer center is capable of providing detailed analysis requiring high volume and high sample rates to exhibit conditions of anomaly or variations which may impact performance of ground support equipment or even some systems on the orbiter. Specific ongoing launch measurements being provided to engineering include data from sensors on the External Tank GOX Vent Arm, LOX Pump Vibration, H2 Leak Detection, H2 Vent Arm, MLP Hold Down Post, Air Compressors, and several acoustic sensor locations. In addition to collecting, filtering, and sampling this data, the engineering computer systems offer services to present the data in formats capable of being processed by commercial analytical tools.

- Launch History STS-1 thru STS-13, STS-26R thru STS-108 - NASA KSC YA, NASA MSFC, NASA Stennis, Dynacs, and Rocketdyne engineers are able to interrogate a database of information pertaining to structures, locations, engineering units, measurement categories for telemetry data from past shuttle launches, and display this data online at remote workstations in graphical format. The data from these launches includes a significant portion of the ground

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vibration, acoustics, pressure, strain, and heating rate data collected from STS launches to date. This data is used by the YA-F2 office for the determination of launch-induced environments for analysis of existing and future ground launch structures and support equipment. The design of future launch vehicles requires the existence of this information.

- SSME Data Reduction at High Volume, High Sample Rates - Specific analysis of SSME vibrations and SSME "pops" can be detected by sampling at 100KHz frequencies and filtering the data at lower frequencies. SSME refurbishment is extremely costly and this analysis conducted jointly at KSC, MSFC, and Stennis is one of the ways in which SSME performance/wear is analyzed. Because of the high frequency, data bit accuracy, and filtering capabilities of the engineering computer systems, these centers have proposed that JBOSC perform all of the data reduction requirements of each center at KSC. JBOSC provides a "waterfall" time frequency domain (FFT) plot of each of the measurements to main engine cutoff.

#### STS METEOROLOGICAL REQUIREMENTS

- SLF Winds Return to Launch Site, SLF Shuttle Landing Data Acquisition - SLF telemetry data is acquired by JBOSC three hours prior to launch/landing through thirty minutes after launch/landing from three sites at the SLF. In addition to wind speed, the wind direction is required for the crosswinds vector calculation. This data is used for post launch analysis as required by YA-D Weather Projects office and is utilized in RTLS and shuttle landing constraint analysis. The current "safe" wind speed limit is approx. 18 knots, depending on the wind direction relative to the runway (cross winds vector).
- Shuttle Launch Commit Criteria Data Acquisition Analysis - There is a current requirement to archive meteorological data to support a review of launch commit constraint criteria applicable to cloud electrification and "cloud to cloud" or "cloud to ground" lightning, cross winds speed and vector analysis for SLF landing and RTLS (return to launch site) constraints, and basic LPLWS (lightning warning) analysis to minimize disruption of launch support activities resulting from lightning and severe thunderstorm activity. Electric

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potential gradient data and Doppler radar data is processed 24/7 and archived by JBOSC from the ROCC (Range Operations Control Center) and MIDDs (Meteorological Interactive Data Display System). The data is made available for specific dates, locations, altitudes, and time periods from ground systems and Doppler radar systems to support this research to determine if launch constraints may be modified or relaxed.

- Shuttle Processing Operations Adverse Weather Warnings Data Acquisition - Data from the CCAFS ROCC and MIDDs is archived by JBOSC Software Control Systems and provided to NASA, MIT, DARPA, Marshall Space Flight Center, Colorado State University, National Center for Atmospheric Research in support of government funded projects to pinpoint the origination of cloud electrification and predict cloud to cloud and cloud to ground lightning. These studies are coordinated by NASA and are used to dictate early warning conditions for shuttle operations, especially for personnel working up to 200 feet above ground near the orbiter and unmanned space vehicles. It is important for this research to have accurate data, available at high sample rates, to better understand and predict accurately atmospheric phenomena, especially lightning.

**YA03 Engineering Analysis VMS Computer System (EAS)**

Category:	2
Computer:	DEC Station (TRMM), 2-Alpha 2000 Open VMS Servers (MIDDs/DPS), SGI 2100 (Engineering Server)
Information Category:	MSN
Language:	Fortran, C, DCL
DBMS Type:	ISAM
Media:	
Interfaces:	
System Owner:	Melton, Greg
System Owner Org:	YA-D1
Number of NASA Users:	over 2000
Number of Non-NASA Users:	
Primary Customers:	NASA Weather Office, NASA YA Engineering, Rocketdyne, CTI
Description:	The Engineering Analysis Computer System (EAS) serves as the primary system for NASA, JBOSC, other contractor engineers and end-users to support data analysis of the Space Shuttle and its Ground Support Equipment (GSE). Once the

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launch telemetry data is acquired and processed, NASA Engineers utilize these systems to perform various types of analysis of the data. The NASA Labs and Testbeds engineers perform structural stress analysis and modal analysis for projects such as the MLP model, Shuttle Lifting Sling, and VETA (Verification Test Article), using commercial software tools. Engineers analyze launch data for vibration, acoustics, strain, pressure, and acceleration; and perform troubleshooting of LOX pump operations, and also leak detection analysis.

**HARDWARE:** The system consists of one (1) VAX Station 3100, two (2) Alpha Server 2000, and three (3) DEC Prioris HX6200 NT Servers,. The system also includes over 250GB of hard disk storage, one HP1715T 300GB Magneto Optical Disk Jukebox, CD-ROM mastering system, six (6) 8mm tape drives, six (6) 4mm tape drives, seven (7) Digital Linear Tape (DLT) backup units, two (2) 9 track tape drives, consoles, printers, plotters, terminals, and other peripherals.

**SOFTWARE:** JBOSC SW Control Systems Support personnel provide support for installation, upgrade, tuning, troubleshooting, and maintenance for the Irix Server, OpenVMS Servers, Compaq Tru64 UNIX, NT Server, and MS Windows 95, MS Windows 98, MS NT, and MS Win2000 workstation platforms. This work is done on the servers maintained by Systems Support personnel in the HQ3470 room and also on individual systems of both its own department and those of NASA Engineers and contractors. In addition, support is provided for software compilers and other packages that are run by the customers, such as C, Fortran, Perl, IIS, Pathworks, Multinet, Matlab, PV-WAVE mathematical analysis, Oracle database management system software, Electronic Document Systems, and NFS and Samba file sharing software.

**OTHER MAJOR SUPPORT SERVICES:**

- Server Support: Network printing, disk sharing, X Windows interface services are provided on the NT servers and Open VMS Cluster for NASA and contractor users. Software supported includes LAN Manager, Internet Information Server, Netware, and MacIntosh PCs and workstations.
- Support for Micrographics and Printshop: The NT server disk storage cabinet is utilized as a staging area to process

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several thousand electronic document images per day. These include Fact Sheets, OMIs, Failure Analysis data, KSC Forms, Launch Readiness Reviews, Payloads Documentation, Flight Software Documentation, Space Shuttle Mission Reports, Flight Requirements Documents, Launch Commit Criteria Documentation. Support to these operations include:

1) Software Installation & Configuration for the following products:

a) Rimage Primo CD software: records data to multiple CD ROMs

b) Powerscan IDEA: scans documents to TIFF images

c) Doculex PDF capture: scans documents to PDF files

d) Solimar Print/Director: handles mainframe (KIMS & Amdahl) printing

e) Xerox Digipath: scans and submits documents to the Docutech printers

f) PLP Plotworks: scans and prints large format documents

g) Wicks & Wilson Scan & Print: scans and prints aperture cards

h) Roxio EasyCD: CD ROM recording software

i) Novastor Novaxchange: reads 9-track tapes

j) Adobe Acrobat: convert TIFF to PDF searchable files

k) IMR Alchemy: document database for archival and retrieval

1) KSC Viewer: used for viewing TIFF documents stored on CD ROM

m) LSOC Indexer: builds an index of TIFF files stored on CDROM

n) Barcode Fixer: repairs barcode information for scanned documents

o) KEDS Viewer: used for viewing CAL files stored in KEDS system

2) System Administration for the following systems:

a) Docutech Sun Workstations (3) running Solaris 2.6

b) Docutech Scan Workstations (3) running Windows NT 4.0

b) Powerscan Workstations (2) running Windows 98

c) Doculex Workstation (1) running Windows 98

d) Solimar Server (1) running Windows NT 4.0

e) Plotworks Workstation (1) running Windows NT 4.0

f) COLD Workstation (1) running Windows NT 4.0

g) Xerox Splash Workstation (1) runs MACos

h) CD-recording Workstations (4) running Windows 98

i) Printshop Server (DE-NTS2) running Windows NT 4.0

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3) Programming Support for CAL2WPF: used to convert TIFF files to Wilks & Wilson's WPF format

- Material Safety Data Sheets (MSDS): Provide support to the serving of JBOSC Material Safety Data Sheets on a Linux platform.
- Engineering Software: Engineering software products such as MATLAB, PV WAVE, and ILS are supported for use by NASA and contractors on the VMS Cluster.
- Applicon Drawings: The OpenVMS Cluster is the Repository for all of the old Applicon drawings, and also provides conversion services from Applicon to DXF format.

The NASA Labs and Testbeds Engineering organization performs analysis of all non-fluids related ground support equipment, utilizing Computer Aided Engineering (CAE) software, supplemented by other commercial software tools (Matlab, PVWave) on the engineering computers as needed. The Fluids engineering organization performs analysis on mechanical components on ground support fluids systems utilizing the same software tools. Other scientific software tools assisting engineering personnel include ILS (Interactive Laboratory System), and Visual FORTRAN.

**YA04 Computer Aided Design/Computer Aided Engineering (CAD/CAE)**

Category:	2
Computer:	JBOSC Server
Information Category:	BRT
Language:	N/A
DBMS Type:	N/A
Media:	
Interfaces:	None
System Owner:	Melton, Greg
System Owner Org:	YA-D1
Number of NASA Users:	200-300
Number of Non-NASA Users:	
Primary Customers:	NASA, JBOSC
Description:	The CAD/CAE Systems and Support group provides Computer-related services to the JBOSC and NASA Engineering communities, including Windows NT Domain and Workstation administration; Network Services; Data Management and Server services; Windows Printing and Plotting services; Licensing services for MicroStation and Pro Engineer; Installation and Support services for MicroStation

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and Pro Engineer, Trouble Call services, support for standard Office applications, and Data Backup and Restore services. This level of support is provided to a Primary audience of approximately 175 End-Users, with casual support to an additional 150 MicroStation Users outside of our Primary audience. The CAD/CAE support group is the Primary Licensing and Support group for both MicroStation and Pro Engineer at KSC.

The CAD/CAE support group directly maintains 7 Windows NT Servers (for Domain Administration, as well as File Serving). Most CAD/CAE Servers are standalone NT machines, while one of the Servers is a Level-5 RAID Fault Tolerant file server. The group also builds, configures and delivers the Workstations used by our JBOSC customers. These are primarily Windows NT 4.0 and Windows 2000 Professional machines.

In addition to JBOSC-related support, the CAD/CAE group is responsible for the support of NASA-YA high-end Engineering customers. Services include installation, configuration, system administration and upgrades of government supplied CAD/CAM licensing software, CAD/CAM libraries, CAD/CAM PDM, associated administrative software, etc.; installation and upgrades of government supplied CAD/CAM applications and engineering analysis software loaded locally on user's computers; performing NT Engineering Server, daily and weekly incremental and full back-ups for all the CAD/CAM and engineering analysis workstations. Each workstation has a working area defined for each user and only that area is backed-up. The CAD/CAE group is also responsible for providing help desk service for users of CAD/CAM and engineering analysis workstations (i.e. problems involving printing, network communication, NT Admin Server access, workstation access, etc.)

#### Software Services and Customer Support

- Sustaining engineering services for MicroStation-SE and MicroStation-J and other Bentley/Intergraph software includes support for quarterly software updates, software distribution, installation, customer support, troubleshooting, and consulting.
- There are approximately 75 copies of MicroStation (Windows-based) under full maintenance at KSC. JBOSC procures 50 licenses and NASA procures 25 licenses. Additionally, there are currently approximately 50 seats of

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Pro Engineer (a high-end parametric 3D modeler) using licenses provided by NASA, being supported by the CAD/CAE Systems group.

#### CAD Printing/Plotting Support

- Plotting support generally involves resolution of network connectivity, file compatibility, metafile interpreter or font/pattern resource issues.
- Windows-based Print services generally involve connectivity and formatting issues relating to printing Office documents in large formats (i.e. printing Office documents on large format Cad Plotters.)

#### Windows NT Support

- Most of the work involves the areas of Domain administration and providing Backup and Restore services for CAD customers. Currently two independent CAD\_CAE Backup systems provide more than 200 Backup jobs per week.

- This effort generates several support requests each month and entails initial set-up, check out and delivery of new workstations.

Engineering Analysis Support: This area involves software evaluation and expert consulting where a more thorough level of technical analysis is needed. Typically, hardware and software are reviewed and matched up with very demanding technical requirements. In addition, custom high-end Engineering Hardware and Software solutions are configured, delivered and maintained, such as RAID-based redundant File/Project Management Servers for Pro-Engineer (Intralink), License Servers for MicroStation and Pro-Engineer, and File Servers for the Engineering community. Also routine PC support of the same customers and overall system integration is provided. A variety of special and ever-changing software drivers and interfaces are required for this support.

### **YA05 Airborne Field Mill (ABFM)**

Category: 2  
Computer: JBOSC Server  
Information Category:  
Language:  
DBMS Type:

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Media:  
 Interfaces:  
 System Owner: Merceret, Frank  
 System Owner Org: YA-D  
 Number of NASA Users:  
 Number of Non-NASA Users:  
 Primary Customers:  
 Description: The Airborne Field Mill Project was conducted near Kennedy Space Center during June 2000, February 2001 and May/June 2001. It is a cooperative project between the NASA Kennedy Space Center, National Center for Atmospheric Research, NASA Marshall Space Flight Center, University of North Dakota, University of Arizona, NOAA National Hurricane Lab., and in Feb. 2001, the NOAA Environmental Technology Lab.  
 This web site contains plots and images of radar, airborne electric field, microphysics and lightning data recorded during the flights of the UND Citation and additionally, ongoing analysis of the different cases.

#### **YA06 Tropical Rainfall Measurement Mission (TRMM)**

Category: 2  
 Computer: Server  
 Information Category:  
 Language: ASP  
 DBMS Type:  
 Media:  
 Interfaces: MIDDS, NASA Weather Office, LDAR  
 System Owner: Madura, John  
 System Owner Org: YA-D  
 Number of NASA Users: 1-10  
 Number of Non-NASA Users: 10-50  
 Primary Customers: NASA, NCAR, GSFE, Universities  
 Description: Spaceport Weather Data Archive

#### **YA07 Meteorological Interactive Data Display System (MIDDS)**

Category: 2  
 Computer: JBOSC Server  
 Information Category:  
 Language:  
 DBMS Type:  
 Media:

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Interfaces:

System Owner: Madura, John

System Owner Org: YA-D

Number of NASA Users:

Number of Non-NASA Users:

Primary Customers:

Description: The data is a collection of wind and Doppler radar files containing various weather measurements collected from 45th WS 24/7.