

Software Requirements Specifications

For

Fleet Assessment Support Tool

(FAST)

March 31, 2003

Version	Changes Made	Date
0.0	First Pass for Review	

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1. Introduction.

1.1 Purpose.

The Fleet Assessment Support Tool (FAST) is a shipboard assessment visit tool that can be used to tailor assessment packages, plan and manage assessment visits, produce maintenance ready 2 kilos and generate 4790 CKs on the deck plates. FAST is an important piece of a larger effort to standardize Fleet assessment processes on both coasts. This larger effort was directed by the Fleet Technical Support Centers Summit and includes the following:

- Align the mission, functions, tasks, and funding streams of the two Fleet Technical Support Centers, FTSCs
- Develop common business rules for FTSC operations with the fleets, warfare centers and each other.
- Streamline the operations to eliminate redundancies between FTSCs and System Commands.

FAST will allow all shipboard assessments to be done using the same modular software that can be tailored to the specific needs of each visit. This will enable the assessors to better compile data to be used to measure the readiness of the fleet.

1.2 Scope.

The FTSCs have the sole responsibility for assessment of the condition and readiness of shipboard systems and equipment. Assessment visits and technical assistance visits are the primary means in which the FTSCs carry out this responsibility. The FTSC Summit directed the development of a common assessment process; standard assessment criteria and a standard assessment tool for material condition assessment of installed shipboard systems and equipment.

Common Assessment Process: This assessment process will consist of hull, mechanical and electrical readiness assessment (HM&ERA) and a combat systems, command, control, communications, and computer readiness assessment (C5RA). The HM&ERA will be conducted in two phases. Phase one is a TYCOM-led effort conducted during a scheduled CNO availability, which consists of industrial inspections used for development of future CNO availability work packages. HM&ERA phase two will normally be conducted simultaneously with a C5RA as scheduled by the TYCOM. The assessment period will be approximately two weeks for surface combatants and approximately three weeks for an LHA/LHD. FTSC personnel will participate in HM&ERA phase two and C5RA assessments as coordinated between the TYCOM and

- To eliminate visit redundancies where assessment teams from different activities visit the same ship at different times and perform identical or nearly identical assessments.
- To save resources by engendering an “assess once, use data many times” philosophy throughout the Navy.

Standard Assessment Criteria: FTSCCLANT is the program manager and in conjunction with FTSCPAC, will produce standard, ship class based assessment packages for C5RA and HM&ERA phase two assessments. TYCOMs and Fleet Units will be able to tailor these assessment packages to meet specific ship needs.

Standard Assessment Tool: FTSCPAC is the program manager and in conjunction with FTSCCLANT, will produce a standardized Fleet Assessment Support Tool (FAST) that can be used to tailor assessment packages, plan and manage assessment visits, produce maintenance ready 2 kilos and generate 4790 CKs on the deck plate. Once developed, FAST functional requirements should be mapped against NEMAIS-ERP capabilities to determine if NEMAIS can fulfill FAST requirements.

1.3 Definitions, Acronyms, and Abbreviations.

CK	Configuration Change Request
CSMP	Current Ship Maintenance Project
EOC	Equipment Operational Capability
FAST	Fleet Assessment Support Tool
FTSCCLANT	Fleet Technical Support Center, Atlantic
FTSCPAC	Fleet Technical Support Center, Pacific
ICMP	Integrated Class Maintenance Plan
ISF	Information Strike Force
NEMAIS-ERP	Navy Enterprise Maintenance Automated Information System – Enterprise Resource Planning
NMCI	Navy-Marine Corps Internet
PVAT	Portable Assist Visit Tool
SCS	Ship Configuration Logistics Support

1.4 References.

- 3M Manual,
- Navy Enterprise Application Development Guide Version 1.11 (January 9, 2003).

2. The General Description.

The FAST program will be designed to allow the Navy to have one program for all ship visits. The program will be user friendly and give the Navy the capability of capturing maintenance and training hours on each ship. It will also make it easier for personnel doing the assessments because the program will be the same on both coasts and for different types of grooms, inspections and visits.

2.1 Product Perspective.

The FAST program will be a web-based program that will run on the FTSC server. Initially the information will not be available for download directly from the Navy Authoritative Databases (e.g. CDMD-OA, 3M). Instead, SCLISIS, 3M data and ICMP data will periodically be downloaded to the FTSC server and made available for the FAST user. It is anticipated that the some day, a direct link into the Navy Authoritative Databases can be established.

2.2 Product Functions.

The FAST program will allow assessors to conduct ship visits using the same software on both the east and the west coasts. This will eliminate the need to maintain different software tools for different locations. The program will replace the Portable Visit Assist Tool and other legacy programs, as the assessment team software. FAST has been designed to allow an administrator to assign personnel to inspect or assess pieces of equipment on given days and create 2-Kilos to document the discrepancies. FAST also lets the assessor provide parts information to get the parts required on order. The program allows the assessor go from start to finish in an assessment and cover all the requirements that the ship must meet in order to correct a discrepancy. FAST will have all of the following functions:

- Download SCLISIS data
- Download CSMP data
- Download ICMP data
- Assign assessors
- Create visit agenda

- Document training
- Print reports
- Store visit metrics and other data

2.3 User Characteristics.

The typical FAST user will be an engineering technician who has recently completed one or more diagnostic maintenance procedures on shipboard equipment and now wants to document the results of the testing. In general, this person will have good computer skills as far as turning on the machine, manipulating the mouse and keyboard and navigating in a Windows environment. He/she will not, however be expected to be a computer programmer or have the knowledge or experience necessary for database manipulation. Another alternative user could be a data entry person whose job it is to enter data from a data sheet prepared by the engineering technician described above.

2.4 General Constraints.

Some general system requirements for FAST include:

1. System must be NMCI/TFWEB compliant.
 - a. The program will be developed using J2EE, .NET, and /or W3C standards.
 - b. The program will meet the Windows 2000 application specification for NMCI certification process including Information Strike Force (ISF) Tools.
2. The program will use WIN 2000, S2Lserver 2000, ACCESS 2000, .Net Framework, Internet Explorer 6x.
3. FAST will be written in C#, the interface is HTML and XML.
4. The application will not be real time, which causes criticality to be low.
5. FAST server will reside on a web server that is inherently a security risk. In order to minimize the risks, FAST will have a firewall, only opening Port 80 which is http text requests.

3. Specific Requirements.

Appendix A lists the specific requirements for FAST.

3.1 Functional Requirements.

The FAST program will allow assessors to create 2 kilos, upload information to a ship, track the training hours, and create a schedule. The big picture for the Navy will be the ability to spotlight problems with ships or specific areas within the training program or

CSMP will be input into the 3M system. Also, FAST will produce a file that can be uploaded into the CDMD-OA database for Configuration Changes. FAST will produce a file that can be used by NWS Corona to update the EOC database. Other external interfaces are anticipated as FAST is used to “feed” various databases with assessment visit data.

3.2.1 User Interfaces.

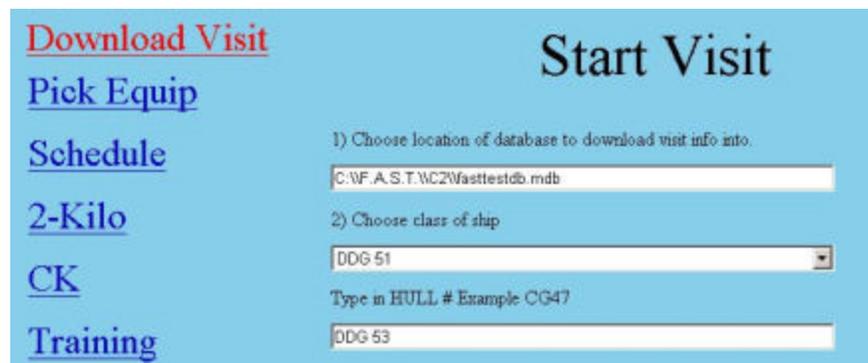


WELCOME TO THE
FAST
Fleet Assessment Support Tool
WEBSITE

User Name:

Login Roles
Password:

Once an assessor starts the FAST program, he/she will see the login screen. The program is set up to allow an administrator, guests and users to access the program. The Administrator will be able to plan visits, download information from the FTSC server, and create users. Users will be able to create 2 Kilos, CKs, reports, order parts, training and upload the SNAP disk.



[Download Visit](#) **Start Visit**

[Pick Equip](#)

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[CK](#)

[Training](#)

1) Choose location of database to download visit info into.

2) Choose class of ship

Type in HULL # Example CG47

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SELECT	EquipmentFunctionalDescription	EquipmentSystemDescription	RIN	EIC	HSC	SerialNumber
<input type="checkbox"/>	STRUCTURE, HULL, GENERAL	SHELL STRUCTURE	251TK	A000000	10000	NONE
<input type="checkbox"/>	STRUCTURE, SHELL AND SUPPORTING	SHELL STRUCTURE	251RL	A100000	11000	NONE
<input type="checkbox"/>	PLATING, SHELL, SURF SHIP AND SUB PRESSURE HULL	SHELL STRUCTURE	251RM	A100000	11100	NONE
<input type="checkbox"/>	INNER BOTTOM	SHELL STRUCTURE	251RN	A400000	11300	NONE
<input type="checkbox"/>	APPENDAGES, SHELL	SHELL STRUCTURE	251RP	U000000	11400	NONE
<input type="checkbox"/>	STANCHIONS	SHELL STRUCTURE	251TL	U000000	11500	NONE
<input type="checkbox"/>	FRAMING, LONGIT, SURF SHIP AND SUB PRESSURE HULL	SHELL STRUCTURE	251TX	U000000	11600	NONE
<input type="checkbox"/>	FRAMING, TRANSV, SURF SHIP AND SUB PRESSURE HULL	SHELL STRUCTURE	251TY	A300000	11700	NONE
<input type="checkbox"/>	BULKHEADS, HULL STRUCTURAL	HULL STRUCTURE	251TM	A800000	12000	NONE
<input type="checkbox"/>	BULKHEADS, LONGITUDINAL STRUCTURAL	HULL STRUCTURE	251TZ	A300000	12100	NONE
<input type="checkbox"/>	BULKHEADS, TRANSVERSE STRUCTURAL	HULL STRUCTURE	251UA	A300000	12200	NONE
<input type="checkbox"/>	TRUNKS AND ENCLOSURES	HULL STRUCTURE	2534U	A900000	12300	NONE
<input type="checkbox"/>	DECKS, HULL	HULL DECKS	252WH	A500000	13011	NONE
<input type="checkbox"/>	DECKS, MAIN	MAIN DECK	252CK	A500000	13100111	NONE
<input type="checkbox"/>	PLATFORM, HULL AND FLATS	HULL PLATFORMS	252CM	A500000	140111	NONE
<input type="checkbox"/>	PLATFORM, 1ST	HULL PLATFORMS	252CN	A500000	1410011	NONE
<input type="checkbox"/>	PLATFORM, 2ND	HULL PLATFORMS	252CP	A500000	1420011	NONE

This is also an administrative page that allows the user to pick the systems/equipment that will be assessed.

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Start Date:
 End Date:

April 2003						
Sun	Mon	Tue	Wed	Thu	Fri	Sat
30	31	1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	1	2	3
4	5	6	7	8	9	10

Schedule Assessment View Report Assign Assessor Add User

Download Visit Pick Equip **Schedule** 2-Kilo Parts Training Upload Reports Help

	4/14/2003	4/15/2003	4/16/2003	4/17/2003	4/18/2003	4/19/2003	4/20/2003	4/21/2003	4/22/2003	4/23/2003	4/24/2003
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	EquipmentNounName		TeamLastName	VisitDay							
<input type="checkbox"/>	SPECIAL STRUCTURES DECKHOUSE STRUCTURAL CLOSURES, WATERTIGHT, CPS		Arellano	2,3,							
<input type="checkbox"/>	SPECIAL PURPOSE SYSTEMS		Jenkins	2,3,							
<input type="checkbox"/>	TOOLS, HULL REPAIR PARTS AND SPECIAL		Jenkins	2,3,4,5,6,							
<input type="checkbox"/>	PROPULSION PLANT, GENERAL		Bollenbach	2,3,4,5,6,							
<input type="checkbox"/>	TURBINES, PROPULSION GAS		Borden	,1,							
<input type="checkbox"/>	TRANSMISSION AND PROPULSOR SYSTEMS		Borden	,1,							
<input type="checkbox"/>	PROPULSION SUPP SYS (EXCEPT FUEL AND LUBE OIL)		Jimenez	,1,							
<input type="checkbox"/>	PROPULSION SUPPORT SYSTEMS(FUEL AND LUBE OIL)		Jimenez	,1,							
<input type="checkbox"/>	FLUIDS, PROPULSION		millard	1							

By choosing the equipment that will be assessed on this screen, a schedule for what equipment is to be assessed on which days of the visit and by whom, is created.

Assign Assessor View Report Schedule Assessment Assessor List

Download Visit Pick Equip **Schedule** 2-Kilo Parts Training Upload Reports Help

	EquipmentNounName	last_name							
<input type="checkbox"/>	DECKHOUSE STRUCTURAL CLOSURES, WATERTIGHT, CPS	Jenkins	FTSCPAC 200	<input type="checkbox"/>	Alan	Asimi	556-3703	Code 308	144
<input type="checkbox"/>	SPECIAL PURPOSE SYSTEMS	Jenkins	FTSCPAC 300	<input type="checkbox"/>	Marcy	Dulay	556-3704	Code 308	145
<input type="checkbox"/>	TOOLS, HULL REPAIR PARTS AND SPECIAL	Bollenbach	FTSCLANT	<input type="checkbox"/>	Jim	Bahis	556-0113	Code 308	146
<input type="checkbox"/>	PROPULSION PLANT, GENERAL	Borden	SEMAT						
<input type="checkbox"/>	TURBINES, PROPULSION GAS	Borden	Code 301						
<input type="checkbox"/>	TRANSMISSION AND PROPULSOR SYSTEMS	Jimenez	Code 302						
<input type="checkbox"/>	PROPULSION SUPP SYS(EXCEPT FUEL AND LUBE OIL)	Jimenez	Code 303						
<input type="checkbox"/>	PROPULSION SUPPORT SYSTEMS(FUEL AND LUBE OIL)	unassigned	Code 304						
<input type="checkbox"/>	ELECTRIC PLANT, GENERAL	unassigned	Code 305						
<input type="checkbox"/>	GENERATION, ELECTRIC POWER	unassigned	Code 306						
<input type="checkbox"/>	POWER DISTRIBUTION SYSTEMS	unassigned	Code 307						
<input type="checkbox"/>	LIGHTING SYSTEMS	unassigned	Code 308						
			Code 309						
			Code 310						

Download Visit

Pick Equip unassigned unassigned Unassigned Unassigned 16

Schedule Tim Bennett code 201 556-5388 83

2-Kilo Doug Starks code 201 556-5719 86

Parts Mark Koenig code 201 556-2573 87

Training Charlie Port Code 202 556-6114 88

Upload Nick Jenkins Code 202 556-5919 89

Reports Mike Welsh Code 202 556-0644 90

Help Terry Thompson Code 203 556-2129 91

Tom Laird Code 203 556-5113 92

Tashoni Price Code 203 556-1335 93

James Atkins Code 204 556-3614 94

Freddie Camacho Code 204 556-3202 95

Lewis Cornner Code 204 556-3188 96

Pat Horton Code 205 556-2576 97

Ed Montague Code 205 556-2572 98

Gary Bailey Code 205 556-2615 99

Ed Hegel Code 206 556-1614 100

Rich Biernacki Code 206 556-5123 101

Rich Belser Code 207 556-2515 103

Melvin Fulgham Code 207 556-2565 104

Norma Galvan Code 207 556-2548 105

Bill Wood Code 208 556-2767 106

First Name

Last Name

Command

Phone #

Role

This screen allows the user to create new users and administrators. Only the administrator can access this screen.

Download Visit [Previous Week](#) [Schedule Assessment](#) [Assign Assessor](#) [Assessor List](#) [Next week](#)

Pick Equip

Schedule

2-Kilo

Parts

Training

Upload

Reports

	Monday 4/14/2003	Tuesday 4/15/2003	Wednesday 4/16/2003	Thursday 4/17/2003	Friday 4/18/2003	Saturday 4/19/2003	Sunday 4/20/2003
PROPULSION PLANT, GENERAL -Team Borden		SPECIAL STRUCTURES - Team Arellano	SPECIAL STRUCTURES - Team Arellano	SPECIAL PURPOSE SYSTEMS -Team Jenkins	SPECIAL PURPOSE SYSTEMS -Team Jenkins	SPECIAL PURPOSE SYSTEMS -Team Jenkins	
TURBINES, PROPULSION GAS -Team Borden		DECKHOUSE STRUCTURAL CLOSURES, WATERTIGHT, CPS -Team Jenkins	DECKHOUSE STRUCTURAL CLOSURES, WATERTIGHT, CPS -Team Jenkins	TOOLS, HULL REPAIR PARTS AND SPECIAL - Team Bollenbach	TOOLS, HULL REPAIR PARTS AND SPECIAL - Team Bollenbach	TOOLS, HULL REPAIR PARTS AND SPECIAL - Team Bollenbach	
TRANSMISSION AND PROPULSOR SYSTEMS -		SPECIAL PURPOSE SYSTEMS -Team	SPECIAL PURPOSE SYSTEMS -Team				

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2-Kilo

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Pick Equipment for New 2-Kilo

- 16000 SPECIAL STRUCTURES
- 19000 SPECIAL PURPOSE SYSTEMS
- 19900 TOOLS, HULL REPAIR PARTS AND SPECIAL
- 20000 PROPULSION PLANT, GENERAL
- 23400 TURBINES, PROPULSION GAS
- 24000 TRANSMISSION AND PROPULSOR SYSTEMS
- 25000 PROPULSION SUPP SYS(EXCEPT FUEL AND LUBE
- 26000 PROPULSION SUPPORT SYSTEMS(FUEL AND LUBE
- 29800 FLUIDS, PROPULSION PLANT, OPERATING
- 30000 ELECTRIC PLANT, GENERAL
- 31000 GENERATION, ELECTRIC POWER
- 32000 POWER DISTRIBUTION SYSTEMS
- 33000 LIGHTING SYSTEMS
- 34000 POWER GENERATION SUPPORT SYSTEMS
- 39800 FLUIDS, ELECTRIC PLANT OPERATING
- 39900 TOOLS, ELECTRIC PLANT REPAIR PARTS AND SPE
- 40000 COMMAND AND SURVEILLANCE, GENERAL
- 41000 COMMAND AND CONTROL SYSTEMS
- 42000 NAVIGATION SYSTEMS
- 43000 COMMUNICATIONS, INTERIOR
- 43100 SWITCHBOARDS, IC
- 43200 TELEPHONE SYSTEMS

Item Lookup

OK

Back

Pick equipment that is going to be used to create a new or existing 2-Kilo.

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2-Kilo

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Pick SCLISIS for New 2-Kilo

HSC PRID	Location	Equipment	Functional Description
64411			NOT APPLIC SPACES, SANITARY
6441111		04-162-0-L	COMMANDING OFFICER SEA CABIN BATH
64411111		04-162-0-L	CO SEA CABIN WATERCLOSET
6441112		02-126-3-L	COMMANDING OFFICER'S BATH
64411121		02-126-3-L	CO WATERCLOSET
64411122		02-126-3-L	CO SHOWER ASSEMBLY
6441113		01-158-2-L	EXECUTIVE OFFICER'S BATH
64411131		01-158-2-L	WATERCLOSET, XO
64411132		01-158-2-L	SHOWER ASSEMBLY, XO
6441114		02-158-3-L	OFFICER WASHROOM, WC AND SHOWER
64411141		02-158-3-L	OFFICER'S WATERCLOSET
64411142		02-158-3-L	OFFICER'S URINAL
644111421		02-158-3-L	VALVE ASSEMBLY, VACUUM INTERFACE
644111422	CPW-V-308	02-158-3-L	VALVE, URINAL FLUSH
64411143		02-158-3-L	OFFICER'S WATERCLOSET
64411145		02-158-3-L	SHOWER ASSEMBLY, OFFICER'S
64411145		02-158-3-L	SHOWER ASSEMBLY, OFFICER'S
6441115		1-338-6-L	OFFICER WASHROOM, WATERCLOSET AND SHOWER
64411151		1-338-6-L	OFFICER'S WATERCLOSET
64411152		1-338-6-L	OFFICER'S URINAL
644111521		1-338-6-L	VALVE ASSEMBLY, VACUUM INTERFACE

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Existing 2-Kilo

SMAF: CA01_D613 E010 CONSOLE, CMPTR D Validation
 Originator: SFMH Exp Summary: UpLoaded
 0010 UPPER CRT OUT OF FOCUS

When Discovered: 2. Normal Operation 2326 WRECTR: CA01
 Deferral Reason: 2. Lack of material 3065 RIN:
 Safety Hazard: 1. Critical - Correct Immediately First Contact: APL 00008573F
 Priority: 4. Desirable BECOTE ESWS: 46889
 Status: 3. Reduced Capability Rate: STG3 EIC: 2D74400
 Cause: 7. Normal Wear and Tear Second Contact: Serial:
 Type Availability: 1. Depot - TAI STG2 WALKER Location: 2-50-2-C

Problem Description: DURING NORMAL OPERATION UPPER CRT LOST FOCUS.

Recommended Action: TROUBLESHOOTING DISCOVER BAD R7 RESISTOR AND P56 POWER SUPPLY WHERE FAULTY. XXXX ORDER AND REPLACE R7 AND P56 POWERSUPPLY

This screen allows the user to go back to an existing 2-Kilo and make any necessary changes.

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EOC

SMAF: CA01_D613 E010 CONSOLE, CMPTR D
 EOC: Limited Capability 6
 Root Cause: F. Software

Problem Status: Corrected
 Status: TNA - Testing Not Attempted
 Test Location: Dockside Underway
 System Level Impact: kern

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ICMP 2-Kilo

SMAF	CA01_Z001 NA SDRW	<input type="checkbox"/> Validation
Originator	ICMP_Z029 NO. 1 STERN TUBE ICMP_Z030 NO. 1 PRPLN SHAFTING ICMP_Z032 NO. 2 PRPLN SHAFTING ICMP_Z033 NO. 2 STERN TUBE ICMP_Z034 NO. 2 PRPLN SHAFTING ICMP_Z035 NO. 2 PRPLN SHAFTING ICMP_Z035 NO. 1 STERN/STRUT BRGS	<input checked="" type="checkbox"/> UpLoaded
When Discovered		WRKCTR CA01
Deferral Reason	ICMP_Z037 NO. 2 STERN/STRUT BRGS ICMP_Z053 NO. 1A INTAKE EXP JOINT ICMP_Z054 NO. 1A BLOW IN DOORS ICMP_Z055 NO. 1A ENG AIR INTAKES	RIN 40MKG
Safety Hazard		APL XSYSTEMI
Priority	Desirable	ESWBS 18511
Status	Other or No Malfunction	Rate CIV
Cause	Other or No Malfunction	Second Contact
Type Availability	Depot - TA1	Location NOT APPL
Problem Description	TBD	
Recommended Action	REPAIR THE SOWAR DOME RUBBER WINDOW AND RUBBER SHEATHING PER CONDITION ASSESSMENT RECOMMENDATIONS. TO INCLUDE: A. ___ SQUARE FEET RUBBER REPAIR. B. ___ LINEAR FEET OF CLOSURE PLATE	

This screen shows the ICMP input, which is pre-written in the 2-Kilo.

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2-Kilo Completed

SMAF	CA01_0513 E010 CONSOLE, CMPTR D
Summary	UPPER CRT OUT OF FOCUS
Parts Usage	Parts from Supply
Job Closing Remarks	Keith
Actual Solution	Conway
Date	SF Mhrs
3079	0004

Completed

[Download Visit](#) CAD1_0513 ED10 CONSOLE, CMPTR D Validated

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Reqn #	<input type="text" value="UIC + NSN"/>	Order Date	<input type="text" value="3/20/2003"/>
NSN	<input type="text"/>	Request Number	<input type="text"/>
RIN	<input type="text"/>	PRI	<input type="text" value="Priority"/>
Part Number	<input type="text"/>	ONBD	<input type="text"/>
APL	<input type="text" value="00026573PT"/>	Open Purchase	<input type="text"/>
Unit Cost	<input type="text"/>	ICP	<input type="text"/>
UI	<input type="text"/>	RAMM	<input type="text" value="Not sure"/>
Qty	<input type="text"/>	PEB	<input type="text" value="Pre Expended Bin"/>
Total Cost	<input type="text" value="Total Cost"/>	QTY Recd	<input type="text" value="Quantity Received"/>
		Recvd Date	<input type="text" value="3/20/2003"/>

Input parts data for the existing 2-Kilo. Ensure correctness to keep errors from slowing down the supply process.

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This will create the SNAP disk

3.2.2 Hardware Configuration.

The program will run off of a hub, which provides shared files and disk storage space. Usually the assessors will connect the laptops to a cluster, which consists of 1 to 6 laptops connected to together to form the hub.

3.2.3 Software Configuration.

FAST will run on Windows 2000 and Windows XP.

3.2.4 Communications Interfaces.

FAST will reside on a FTSC server. All the SCLISIS, ICMP, and CSMP data will be on the server. A user can connect to the LCE server and download the information to their machine. The server is an information depot that allows one stop shopping for data rather than connecting to three different servers.

3.3 FAST Installation Procedures.

Appendix B details the Installation Procedures.

3.4 Design Constraints.

A modular design will be used for FAST. This will allow the programmer to add or delete modules without affecting the functionality of the program.

3.4.1 Standards Compliance.

TFWeb is a portal web server that provides a secure, single point of interaction with diverse information, business process, and people and is personalized to a user's needs and responsibilities. TF Web allows the user to access several functions at once. It has a single point of access to all resources associated with the portal domain, personalized interaction with the portal services, collaboration technologies that bring people together, multiple workplaces, and integration with applications and workflow systems.

3.4.2 Hardware Limitations.

Hardware limitations are the same as WINDOWS 2000's program limitations. A user with Win2000 or above, can run FAST on that machine.

3.5 FAST Test Plan.

3.5.1 Developmental Testing.

March 2003

Monday	Tuesday	Wednesday	Thursday	Friday
3 rd . JPJ database tests begin	4 th . Continued	5 th . Test meeting to get an update on testing Time: 10:00 am	6 th . Continue testing	7 th . Continue testing. Check status of tests and documentation.
10 th . Final checks on Fast program.	11 th . Work on bugs in the system	12 th . Fix any bugs that may have been found.	13 th . Continue	14 th . Get status of tests.
17 th . Have documentation with manuals ready for first chop.	18 th . Get update from personnel on JPJ about required fixes and get started.	19 th	20 th .	21 st . Check status of checks.

PROCESS:

- Download Visit Module
- Pick Equipment Module
- Schedule Module
- 2-Kilo Module
- CK Module
- Upload Module
- Training Module
- Help Module

TEST CASE: 1

Type: BLACK BOX TESTING

Objective: To test the 2-kilo block data entry

TEST CASE: 2

Objective: To test that FAST will auto-fill the required boxes with information that agrees with the work center and SCLISIS data.

TEST CASE: 4.....

Type: BLACK BOX TESTING

Objective: To test that FAST can be restarted and will retain stored information from steps 1-3

TEST CASE: 5.....

Type: WHITE BOX TESTING

Objective: To test mandatory field input for length

TEST CASE: 6.....

Type: WHITE BOX TESTING

Objective: To test Screen 1, Welcome to FAST....

TEST CASE: 7.....

Type: BLACK BOX TESTING

Objective: To test Originator text field

TEST CASE: 8.....

Type: BLACK BOX TESTING

Objective: To test Ship's Force Man-Hours Expended text field

TEST CASE: 9.....

Type: BLACK BOX TESTING

Objective: To test Summary Block in text field

TEST CASE: 10.....

Type: BLACK BOX TESTING

Objective: To test First Contact text field

TEST CASE: 11.....

Objective: To test Originator text field

TEST CASE: 13.....

Type: BLACK BOX TESTING

Objective: To test First contact text field

TEST CASE: 14.....

Type: BLACK BOX TESTING

Objective: To test Rate text field

TEST CASE: 16.....

Type: BLACK BOX TESTING

Objective: To test Serial # text field

TEST CASE: 17.....

Type: BLACK BOX TESTING

Objective: To test Problem Description text field

TEST CASE: 18.....

Type: BLACK BOX TESTING

Objective: To test Recommended action text field

TEST CASE: 19.....

Type: BLACK BOX TESTING

Objective: To test FAST START VISIT MENU text field

TEST CASE: 20

Type: BLACK BOX TESTING

Objective: FAST button test and suggested changes.

TEST CASE: 21

Type: BLACK BOX TESTING

TEST CASE: 23.....

Type: BLACK BOX TESTING
Objective: To test the Schedule Module.

TEST CASE: 24.....

Type: BLACK BOX TESTING
Objective: To test Schedule Module for data entry

3.5.2 Operational Testing.

Actual ship testing will be conducted on test ships in tandem with PVAT to ensure correct data entry. While onboard the test ships, data will be loaded into FAST as if it was the only program available. Some of the functions that will be tested are:

1. Schedule visit
2. Assign assessors
3. Pick Equipment
4. Create 2-Kilos
5. Complete 2-Kilos
6. Input EOC and ICMP data
7. Create CKs
8. Report training hours
9. Upload SNAP disk
10. Run reports

TEST SHIPS: USS CURTS, USS JOHN PAUL JONES

3.5.3 Security Measures.

Security measures will be taken to ensure that the proper personnel are able to get into only the modules that they need to access. These security measures will include a username and password protocol to access FAST. The following levels of access are anticipated:

- 1) Administrator – Able to view and access Download Visit, Pick Equipment, Schedule, 2-Kilo, CK, Training, and Upload Modules.
- 2) User – Able to view and access 2-Kilo, CK, Training, and Upload Modules. Other modules are restricted to the administrator.

Appendix A
FAST Requirements Matrix

Req't No.	Ref #	Requirement	Spec	Phase	Module
1	6, 13, 14, 31, 32, 59	Analyze existing CSMP Data as defined by user	Receive and display existing CSMP data from 3M database. Complete, modify or cancel existing 2 Kilos. Copy data from existing 2 Kilos. Update multiple fields before saving.	1	2K
2	7,19, 20, 70	Review/validate ICMP.	Receive and display existing ICMP data from the MRMS CSMP shore file. Generate ICMP 2 Kilos.	1	2K
3	28, 37, 97	Write a 2 Kilo using drop down menus	Write a 2k on-screen, using drop down menus with default values based on system and visit type.	1	2K
4	29	Multiple levels of QA are available?	When writing a 2k, the application will ensure that all 2Ks are tied to configuration and viewable for on-screen QA and QA routines.	1	2K
5	36	Automatically sequence Alpha-Numeric JSNs based on visit type.	When writing a 2k, the application will have the ability to automatically sequence Alpha-Numeric JSNs based on visit type. This is required to be able to produce the flexibility in reporting.	1	2K
6	38	Automatically add Type of inspection, Inspector's Name, Command and Telephone Number in Block 35.	When writing a 2k, the application will have the ability to incorporate the assessor information into the 2K	1	2K
7	49,50	Identification of required parts	The required parts identified by the assessment team using equipment APL	1	2K
8	62	Observation Block	The application will provide an observation block, which is required to be able to add	1	2K

10	25, 69	Configuration data is available on-screen for easy fill.	The application will have the ability to write a 2k on-screen, with data automatically drawn from the selected configuration item.	1	2K
11	80	ES'WBS (Expanded Ship Work Breakdown Structure)	The application will have the ability to view the ESWBS (Expanded Ship Work Breakdown Structure), which is required to provide proper ESWBS description.	1	2K
12	81	EIN (Equipment Identification Nomenclature)	The application will have the ability to view the EIN (Equipment Identification Nomenclature), which is required to provide proper EIN description.	1	2K
13	82	SAC (Service Application Code)	The application will have the ability to view the SAC (Service Application Code), which is required to provide proper SAC description.	1	2K
14	83	EIC (Equipment Identification Code)	The application will have the ability to view the EIC (Equipment Identification Code), which is required to provide proper EIC description.	1	2K
15	84	FSCM (Federal Supply Code for Manufacturers)	The application will have the ability to view the FSCM (Federal Supply Code for Manufacturers), which is required to provide proper FSCM description.	1	2K
16	85	ISEA (In-Service Engineering Activity)	The application will have the ability to view the ISEA (In-Service Engineering Activity), which is required to provide proper ISEA description.	1	2K
17	107	Create MM0001 file for SNAP upload	Must be able to create the MM0001 file without any human intervention.	1	2K

			selected configuration item.		
20	42	CK Form view	When writing a CK, the application will have the ability to view CK data in a configuration form view.	1	CONFIG
21	44	Allow global data updates (batch update)	When writing a CK, the application will allow multiple updates using multiple fields in one session. Ex: Select all SPN-43 records and update ESWBS, FSCM, and SAC in one session.	1	CONFIG
22	87,88, 90, 92	Configuration data capable of being updated during the event.	The application will have the ability to view the Type 3 (Tech Manuals, drawings, PMS, etc...) and Type 4 (Field Changes) synchronized with the Type 2 RIN and provide proper identification of existing equipment and amplifying information to new equipment	1	CONFIG
23	89	Displays SCLISIS Type 4 records (Field Changes/Alterations)	The application will be able to provide the necessary amplifying information for Type 4 documentation (Field Changes/Alterations) which is linked to the Type 2 configuration records	1	CONFIG
24	91	Displays SCLISIS Type 5 records (Comments)	The application will have the ability to provide the required update Changes in Type 5 records (and associated T2, T3, and T4 records) during an assessment.	1	CONFIG
25	109	Produce Val-aids and 4750-CK work file	Ability to submit Configuration Data to CDMD-OA and be compliant with the individual CDM requirements. Must be able to transmit Type 2, 3, and 4 records.	1	CONFIG

28	74, 102	Access CSMP Data	The application will have the capability to download the ship's CSMP.	1	CSMP
29	52	Capability to automatically check Gold Disk	Application will have an automated link for the user to check Gold Disk Gold Disk is a 2M (micro miniature) program with circuit card information.	1	OP
30	53, 58	Capability to automatically check FEDLOG	The application will have the capability to automatically link to FEDLOG for Management data/Researching NSNs. It will provide the most up-to-date information to help in parts expediting during an assessment.	1	OP
31	55	Capability to generate, track, expedite, and receive parts	The application will have the capability to generate, track, expedite, and receive parts	1	OP
32	56	Capability to manage, prioritize, and track expenditures by system and overall	The application will have the capability to manage, prioritize, and track expenditures by system and overall. This is required to provide an "on the fly" update for the ship to be able to track the event expenditures.	1	OP
33	78	APL (Allowance Parts List)	The application will have the capability to view APL (Allowance Parts List) information from the CDMD-OA export library files.	1	OP
34	79	CPL (Component Parts List)	The application will have the ability to view the CPL (Component Parts List) during an assessment to help with parts procurement	1	OP
35	98	Generate MILSTRIP requisitions	Generate MILSTRIP requisitions required to provide the ship with up to date ordered parts	1	OP

			ship's crew.		
38		Overall Status Report	Required to provide overall assessment status report during event.	1	REPORT
39		ICMP Report	Produce reports formatted in accordance with ICMP reporting standards	1	REPORT
40		Uses a standard database "reports module" to access SCLISIS & CSMP data.	Uses a standard database "reports module" to access SCLISIS & CSMP data. Necessary to provide assessment support with flexibility	1	REPORT
41	21,22, 102, 108	Access SCLISIS data from CDMD-OA and allow for SCLISIS subsets.	Must be able to import, view and manage entire SCLISIS data set or partial subsets from CDMD-OA as defined by the user. Ex: user may only want to process ESWBS 49500.	1	SCLISIS
42		Create a Test Plan	Provide a list of all systems to be assessed for a particular event.	1	VM
43	NEW	Assign technicians	The user will have the opportunity to assign lead technicians to each system for assessment.	1	VM
44	NEW	Schedule assessments	The user will have the opportunity to schedule equipment assessments during the week.	1	VM
45	NEW	Track assessment accomplishment	The user will have the opportunity to track equipment assessment completion and update the daily schedule of events.	1	VM
46		Standard Procedures	Access, display and print standard assessment procedures from FTSC database	1	VM
47		Group systems at the user defined configuration level, both items to be assessed and those	Tag records together by system or subsystem groups and be able to print by same, whether the system is being assessed or not. Tagging records together allows for	1	VM

			be able to resolve configuration-based problems, and to aid in reporting percent completion ratios.		
49		Analyze existing SCLSIS Data (prior to ship visit) as defined by user	Ability to import and view Configuration Data prior to ship visit as exported from CDMD-OA. Must be able to import and view Type 2, 3, and 4 records.	1	VM
50		Create subset of data tailored to each assessor	Ability to utilize grouped data (systems & subsystems) as defined by user and assign those groups to assessment teams.	1	VM
51		Need to be able to view all system components, regardless of work center.	The application will be able to view all system components, regardless of work center. This is necessary to provide proper identification of configuration items.	1	VM
52		Provide in web-based format	Ability to produce an html-format assessment schedule that can easily be posted on a web site.	1	ALL
53		Stand-alone	Required to eliminate a dependency on ancillary equipment.	1	ALL
54		LAN	Necessary to provide the assessment team with the ability to access the internet in support of the event.	1	ALL
55		IT-21 Compatible	Meets IT-21 standards as defined by Joint CINCPACFLT/CINCLANTFLT Message R 300944Z MAR 97	1	ALL
56		NMCI Approved	The application will be approved by the Navy Marine Corps Internet (NMCI).	1	ALL
57		Laptop	Application must be able to run on a laptop computer	1	ALL
58		Desktop	Application must be able to run on	1	ALL

61		Government Owned Code	The application was written by direct Government Funding thus becoming Government Owned Code.	1	ALL
62		Ability to search on all fields in database.	When writing a 2k, the application will provide the ability to search on all required fields in the database.	2	2K
63		Allow for filtering of data set.	When writing a 2k, the application will have the ability to filter on any of the 2K fields.	2	2K
64		Automated assignment of RINs to preliminary MCA 2-Kilos	An automated assignment of RINs to preliminary MCA 2-Kilos is required to track the configuration addition data that is sent to the CDM for inclusion into CDMD-OA.	2	2K
65		Import/process SUPSHIP data for Sea Valves, Hull Closures, Ventilation and Remote Operating Gear.	Receive and analyze existing Sea Valve, Hull Closure, and Ventilation and Remote Operating Gear CSMP data from SUPSHIP (via MM0001 as defined by Index of 3-M/SCLISIS Data Records Section A),	2	2K
66		2K Datasheet view	When writing a 2k, the application will have the ability to view 2k data in a datasheet view (as required by the OPNAVINST 4790.4C Appendix B-18 through B-43) in order to easily make comparisons.	2	2K
67		2K Configuration Form view	When writing a 2k, the application will have the ability to view 2k data in a configuration form view in order to easily enter CSMP data.	2	2K
68	31	Update 2-Kilos with search and replace features	User will have the opportunity to search data fields for specified information and replace it with user-supplied information.	2	2K

		by non-experts. The data goes to a server at NAVSESS.			
71		Allows for Non-Parametric (e.g. vibration) Collection PMT data	The application will allow for Non-Parametric (e.g. vibration) Collection PMT data.	2	2K
72		Technical Feedback Report to be provided in electronic format.	The application will be able to produce a Technical Feedback Report, to be provided in electronic format. The information is provided to NAVICP.	2	2K
73	75, 76	Generate and make changes to MCAs	The application will be able to generate and make changes to Machinery Condition Assessment (MCA) 2 Kilos even when there is no current discrepancy on the system of equipment.	2	2K
74	77	Handle SUPSHIP systems unique requirements	The application will handle SUPSHIP systems unique requirements such as producing MCA 2-Kilos at the equipment or system level and not producing MCA 2-Kilos for hull closures, sea valves, ventilation eqpt, and remote operating gear that have discrepancy 2-Kilos written.	2	2K
75		Ability to search on all fields in database.	When writing a CK, the application will provide the ability to search on all required fields in the database as specified by OPNAVINST 4790.4C Appendix B-1 through B-17.	2	CONFIG
76		Allow for filtering of data set.	When writing a CK, the application will have the ability to filter on any of the CK fields that are required as per the OPNAVINST 4790.4C Appendix B-1 through B-17.	2	CONFIG

		collection time.	copy from existing configuration records. This is required to develop a CK in a timely fashion during an assessment.		
79		Contains a list of selected equipment.	The application will have ability to write a CK to the parent equipment and automatically include all children on the 2K	2	CONFIG
80	86	View SCAT (Sub-Category Test Equipment)	The application will be able to import and display the SCAT (Sub-Category Test Equipment) codes from the NAVSEA database	2	CONFIG
81		Technical Manual Deficiency Evaluation Report	The application will have the ability to provide a Technical Manual Deficiency Evaluation Report as part of TDMIS (technical data management information system).	2	CONFIG
82		Analyze existing Part History Data (prior to ship visit) as defined by user	Ability to view and analyze previous parts ordered against specific equipment prior to the ship visit. The data is to be imported into the application from R-Supply.	2	OP
83	54	Import NAVICP APL/ parts data	The application will be able to import NAVICP APL/parts data from the database and display it during the assessment.	2	OP
84		Capability to manage and track bulk purchases and requirements for reorder	The application will have the capability to manage and track bulk purchases and requirements for reorder.	2	OP
85		Ability to load and view Sked 3.0.	Ability to import and view MRC Sked 3.0 format files.	2	VM
86		Programmatically ensure no redundant data collection.	When writing a 2k, the application routine will compare existing 2Ks with new event-collected 2Ks to make sure there are no entries	3	2K

88	OMMS-NG - Ability to interface directly with ships equipment file while on-board.	The ability to interface directly with the ships equipment file is necessary to include assessment discrepancies in the Ship's CSMP during the event.	3	2K
89	Per. PC Handheld Capable	Application must be able to run on a Pen PC Handheld computer	3	ALL
90	Pocket PC Compatible PDA	Application must be able to run on a Pocket PC-compatible personal data assistant	3	ALL
91	Programmatically Ensure no redundant data collection.	When writing a CK, the application routine will compare existing CK's with new event-collected CK's to make sure there are no entries submitted that are already existent in the configuration.	3	CONFIG
92	Ability to create advanced-search criteria.	When writing a CK, the application will have a search routine capability, which will include advanced Boolean search.	3	CONFIG
93	Test Point Identification Could be an MRC or Line Item in the Test Procedure.	The application will have the capability to provide Test Point Identification, which is necessary to help the assessor diagnose faults involved with particular systems.	4	2K
94	15, 18, 51, 99, 106, 116, 119 DELETED AS NOT REQUIRED	DELETED AS NOT REQUIRED		

Appendix B FAST Installation Procedures

Installing FAST

Applications and controls written for the .NET Framework require the .NET Framework to be installed on the computer where the application or control runs. FAST is written to run in the .NET Framework environment.

Prerequisites applications to be installed

- Dotnetredist.exe
- Mdac_typ.exe
- NDP10_SP_Q321884_EN.exe

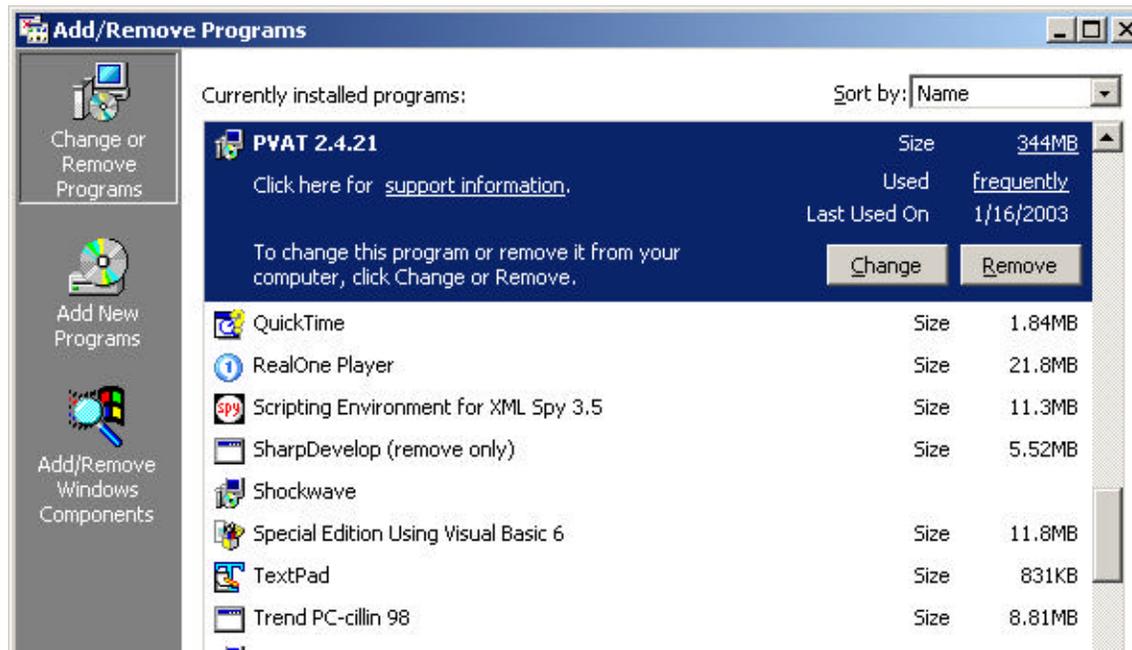
Note: These files will be given by LCE on a CD. Execute the above files.

Complete the installation by following the application installation wizards.

Check if 'Inetpub' directory is in your local drive: C:\Inetpub If not, then you will need to install IIS.

To install IIS

1. Click **Start**, point to **Settings**, click **Control Panel** and start the **Add/Remove Programs** icon. The following dialog will appear, displaying a list of your currently installed programs:



2. Select **Add/Remove Windows Components** icon on the left side of the dialog, to get to the screen that allows you to install new windows components:

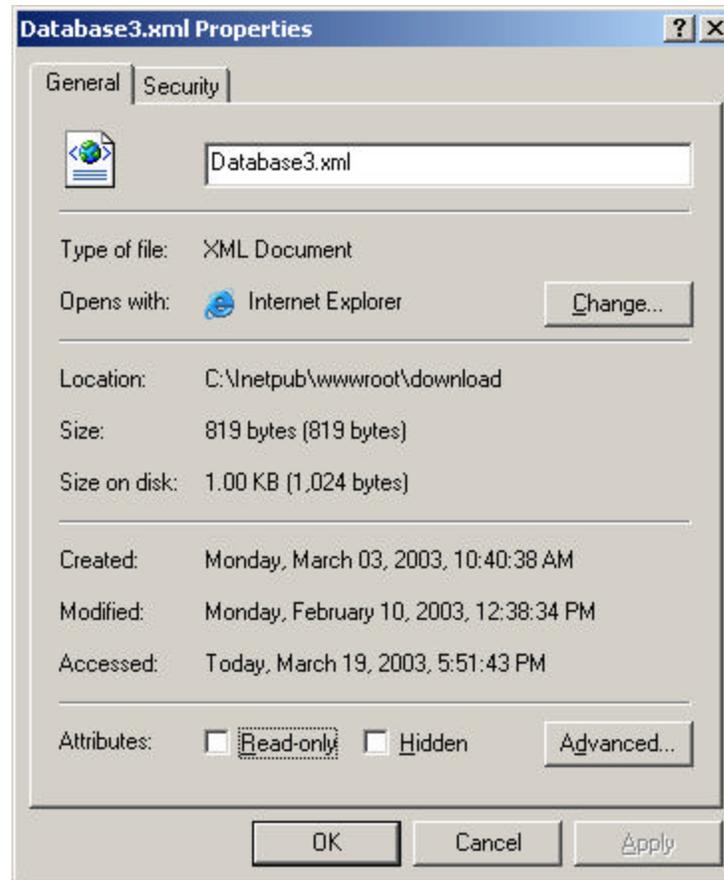


3. Locate the **Internet Information Services (IIS)** entry in the dialog, and note the checkbox that appears to its left.
4. If the checkbox is *cleared*, then check the checkbox and click on **Next** to load Internet Information Services 5.x.
5. Follow the wizards to complete the installation.
6. Reboot your PC so that the new settings will be effective.

Copying required FAST files into Inetpub directory

1. Create the 'download' directory in **C:\Inetpub\wwwroot**

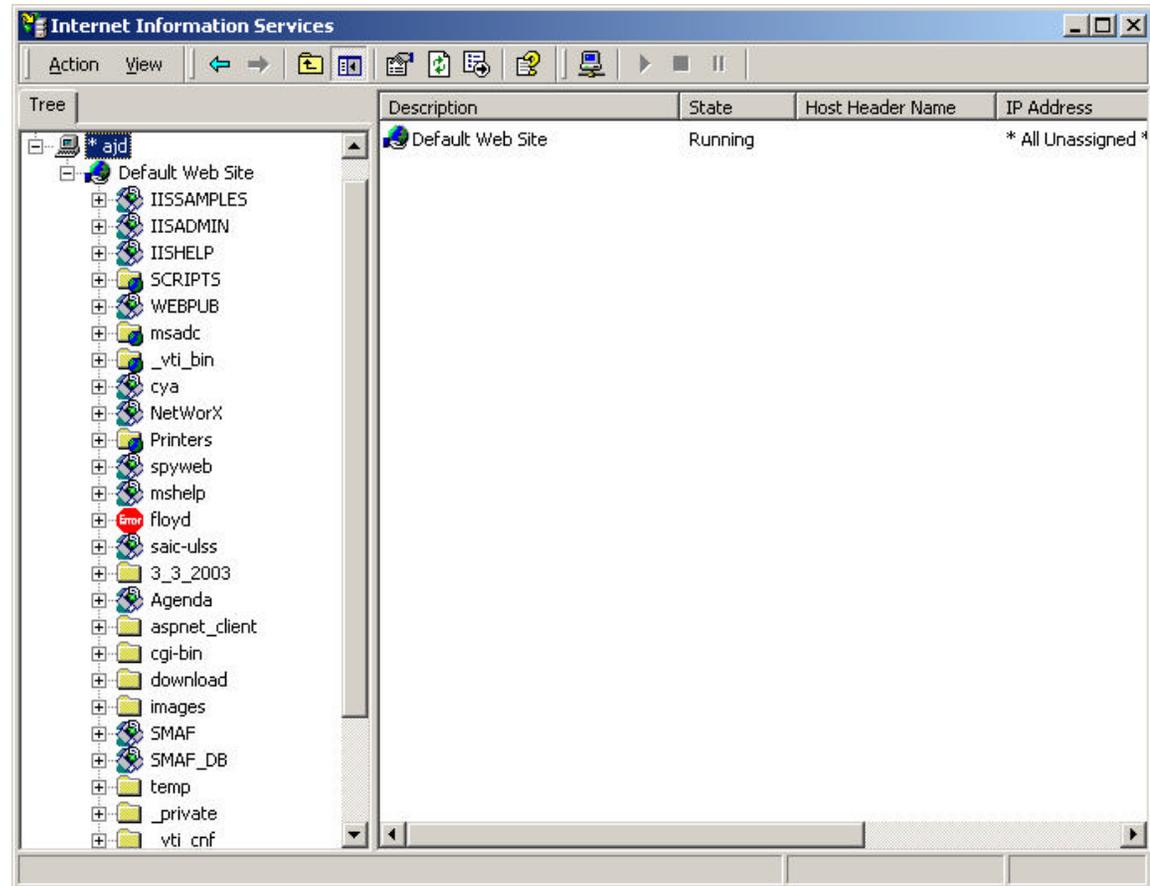
4. Select Properties. In the General tab, **Un-check Read-only.**



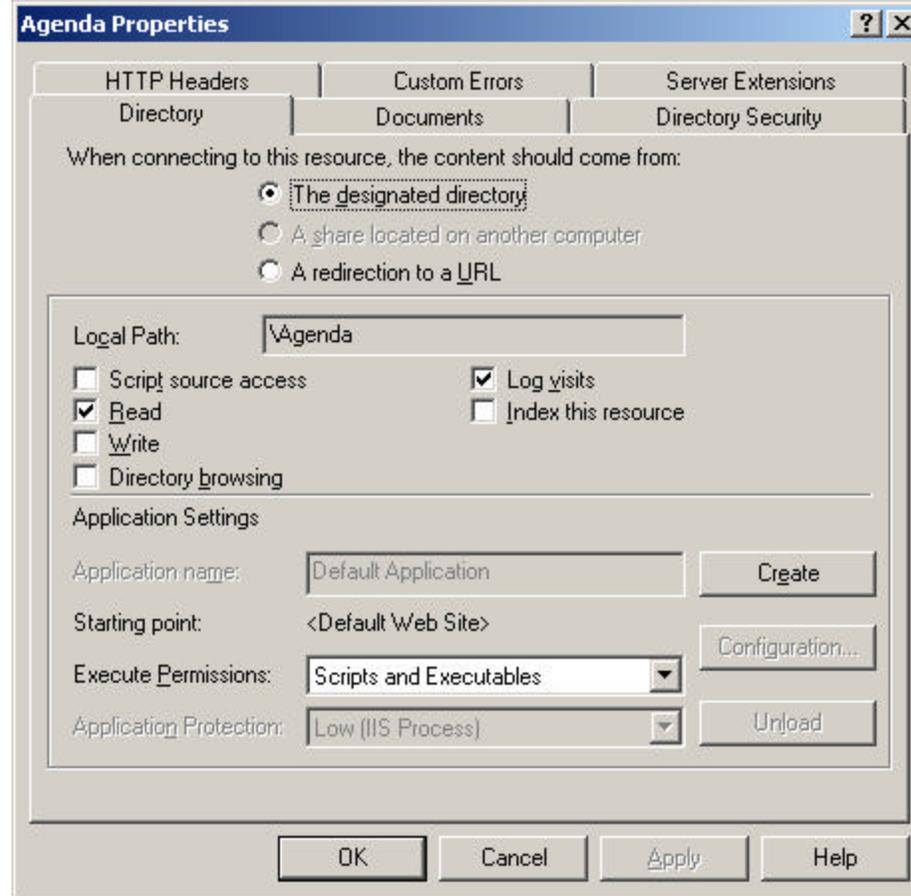
5. Repeat step 3 for the ship's database (*.mdb)
6. Copy **Agenda**, **SMAF**, and **SMAF_DB** directories into **C:\inetpub\wwwroot** from the CD provided by LCE.

Create a Virtual Directory

1. Click **Start | Settings | Control Panel | Administrative Tools |**



3. Right click the **Agenda** directory, then select **Properties**
4. Click the **Directory** tab in the **Agenda Properties Dialog**.



5. Click **Create**, and then press **OK**. Leave other settings unchanged.

Note: Notice the Agenda yellow folder icon changed to the open blue box  . This means the settings have taken place.

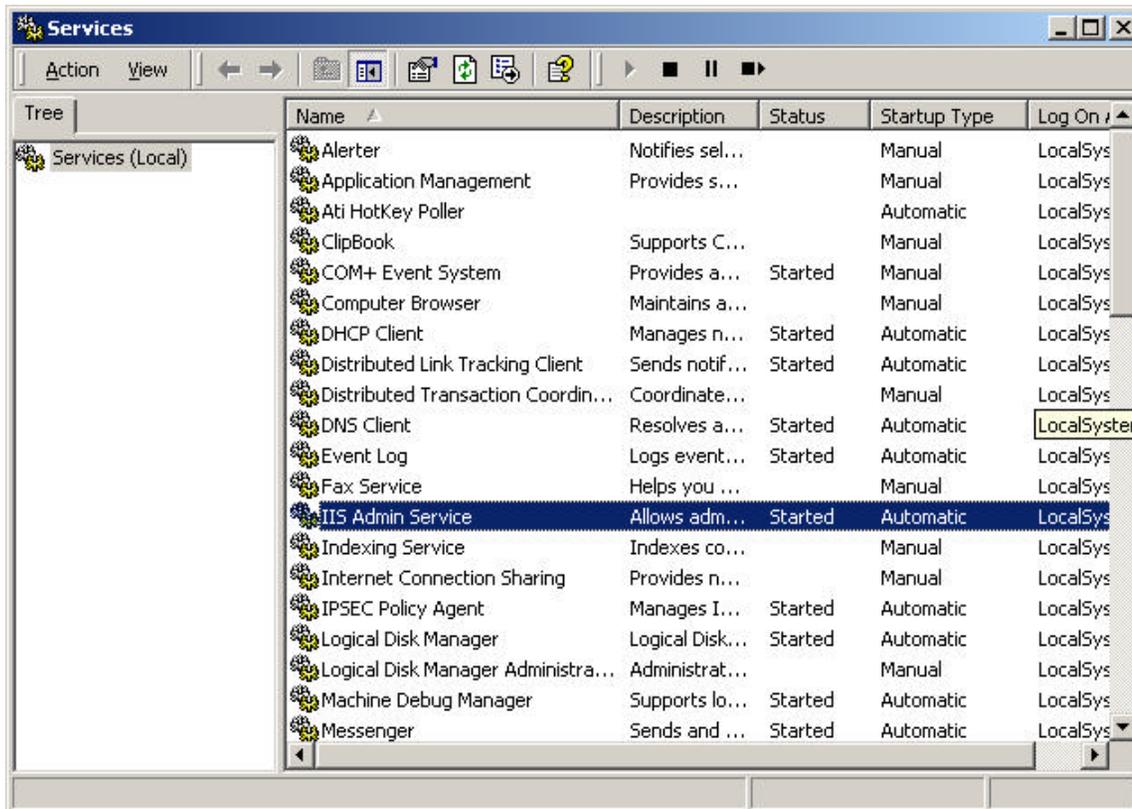
6. Repeat step 3 through step 5 for the **SMAF** and **SMAF_DB** directories to complete the setup.

Upgrading FAST

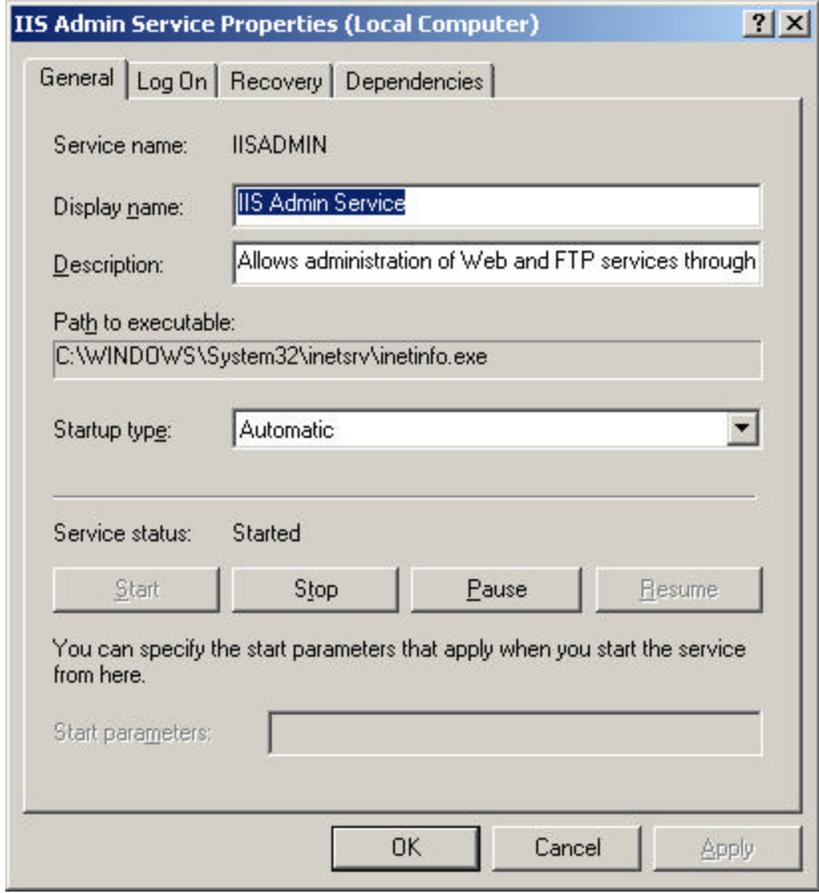
You'll need to stop IIS Service before overwriting Agenda, SMAF, SMAF_DB, database3.xml, and the ship's database (*.mdb)

Stopping IIS Service

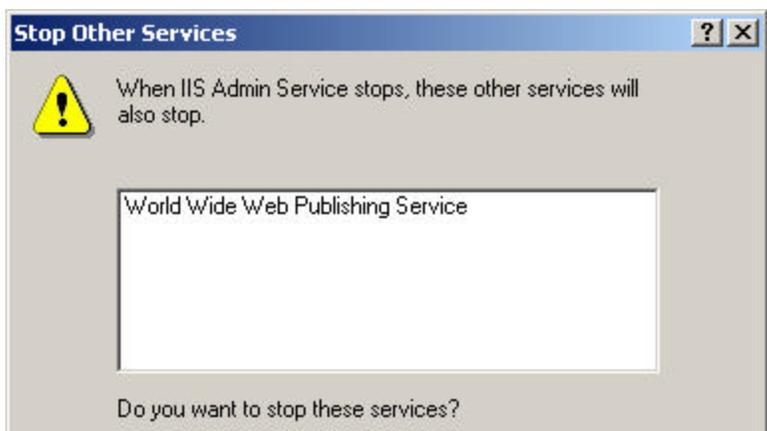
1. Click **Start | Settings | Control Panel | Administrative Tools | Services**
2. Double click **IIS Admin Service** in the Service dialog box.



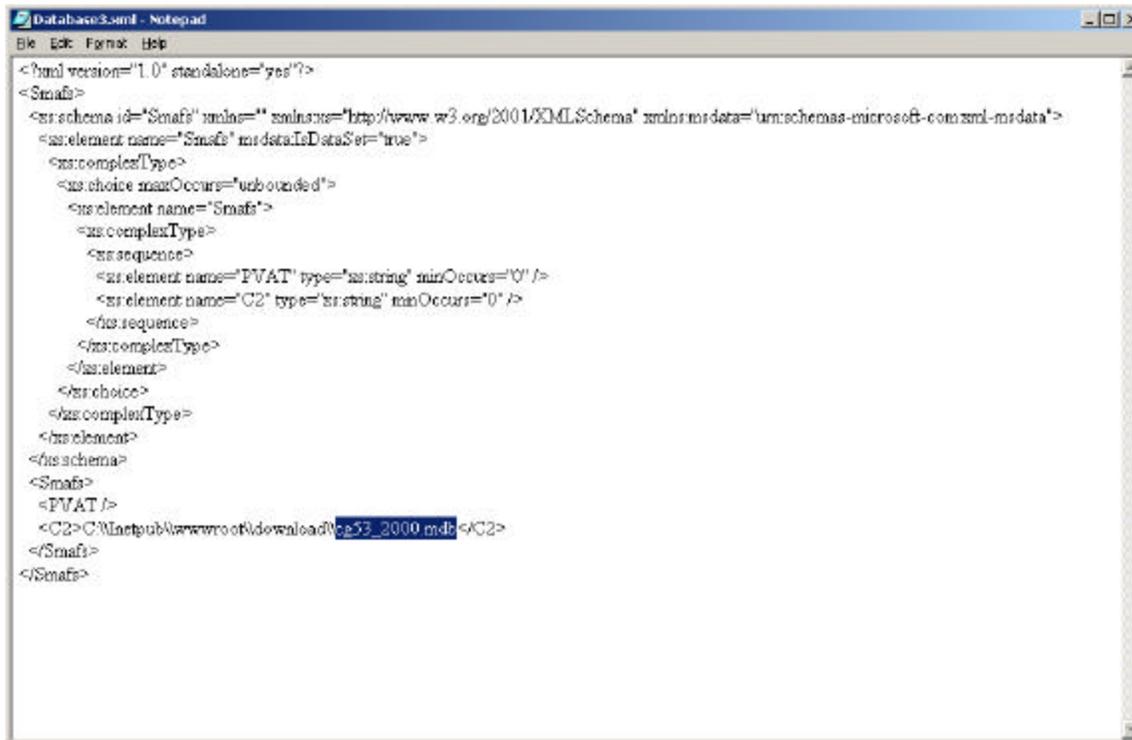
3. In the **IIS Admin Properties** dialog box, Press **Stop** to halt the process.



4. Click **OK** to continue.



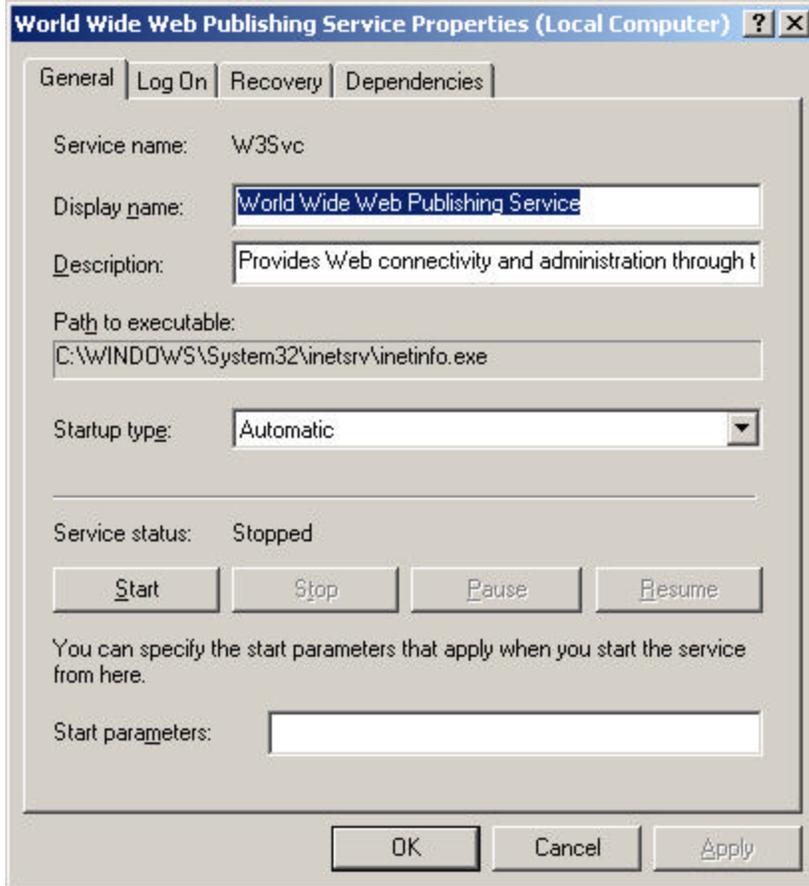
6. Overwrite the existing Agenda, SMAF, SMAF_DB, database3.xml, and the ship's database (*.mdb) files. Use the newest files provided by LCE. To continue, please see **Copying required FAST files into Inetpub directory and Make files writable** sections.
7. Open Database3.xml with Notepad. Verify if the tag `<C2>C:\Inetpub\wwwroot\download\cg53_2000.mdb</C2>` at the near bottom of the page is referencing the correct ship database. If not, then change it to the proper ship database.



```
Database3.xml - Notepad
File Edit Format Help
<?xml version="1.0" standalone="yes"?>
<Smaf>
  <xs:schema id="Smaf" xmlns="" xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:msdata="urn:schemas-microsoft-com:xml-msdata">
    <xs:element name="Smaf" msdata:IsDataSet="true">
      <xs:complexType>
        <xs:choice maxOccurs="unbounded">
          <xs:element name="Smaf">
            <xs:complexType>
              <xs:sequence>
                <xs:element name="PVAT" type="xs:string" minOccurs="0" />
                <xs:element name="C2" type="xs:string" minOccurs="0" />
              </xs:sequence>
            </xs:complexType>
          </xs:element>
        </xs:choice>
      </xs:complexType>
    </xs:element>
  </xs:schema>
</Smaf>
  <Smaf>
    <PVAT />
    <C2>C:\Inetpub\wwwroot\download\cg53_2000.mdb</C2>
  </Smaf>
</Smaf>
```

Restart IIS Service

1. Click **Start | Settings | Control Panel | Administrative Tools | Services**
2. Double click **World Wide Web Publishing Service** in the Service Dialog box
3. In the **General** tab, click **Start**



4. Click **OK** to complete FAST upgrade
5. Close any existing Administrative Tool windows

To Load FAST please refer to FAST User Manual

Appendix C
FAST User Manual

LIFE CYCLE ENGINEERING, INC

Fleet Assessment Support Tool (FAST)
User Manual
Ver. 1.0

1. FAST User Tool

The Fleet Assessment Support Tool (FAST) is a shipboard assessment visit tool that can be used to tailor assessment packages, plan and manage assessment visits, produce maintenance ready 2 kilos and generate 4790 CKs on the deck plates.

1.2 Login FAST Tool

1. Launch Internet Explorer program: **Start | Programs | Internet Explorer**
2. In the **Address** field, type <http://localhost/Agenda/login.aspx>

After launching FAST website, the **Login** screen opens (Figure 1.0).

3. Type your **User Name** and **Password** and press to enter.
Note: User name and password are not case sensitive

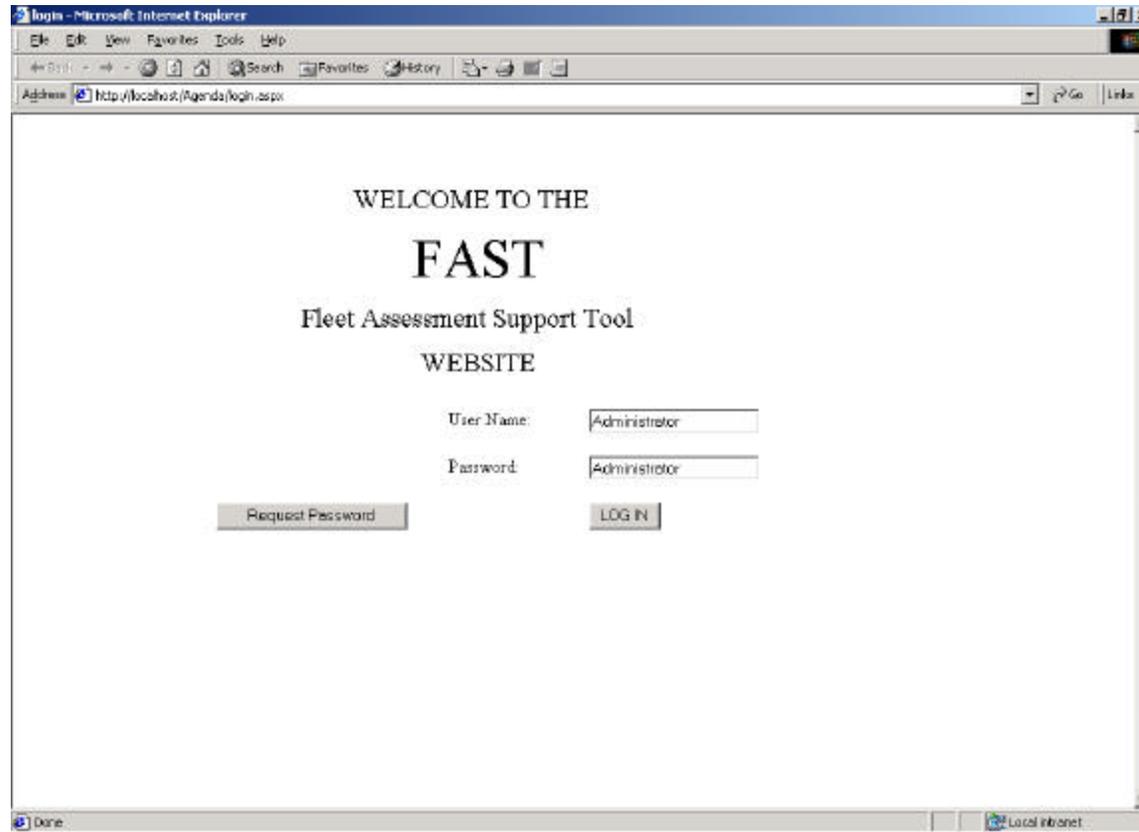
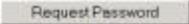


Figure 1.0 – FAST Login Screen

1.3 New User

If this is your first time using the FAST tool, you will need to request a **User Name** and **Password** to access the FAST website. Follow the procedures below:

1.3.1 Sending Access Request

1. Press the **Request Password** button  to send the request to the Administrator.
2. Sends email if connected to the Internet. The administrator will determine if this function is needed.

2. The Start Visit Screen

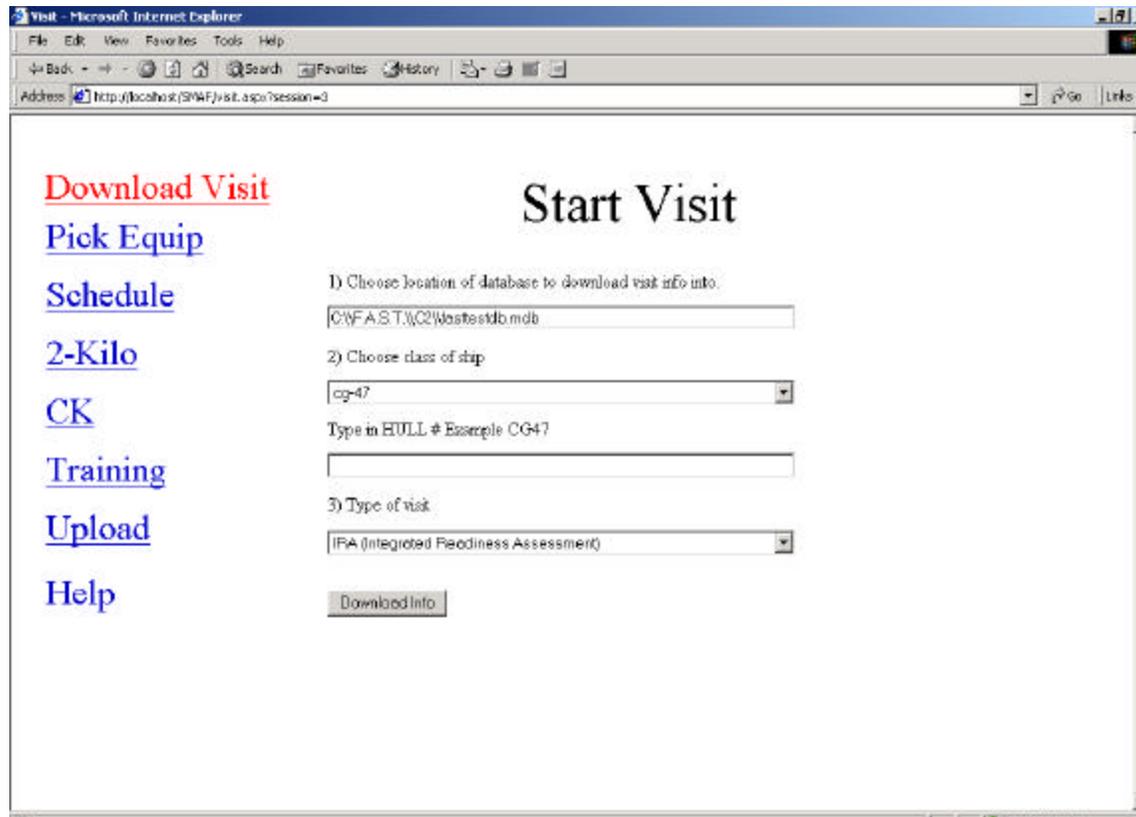


Figure 1.2 – Start Visit

3. Defining FAST Main Menu

- **Download Visit** – This option is restricted to Administrator only.
- **Pick Equip** – To add ship equipment name to the **Pick Equipment for New 2-Kilo** table (Figure 1.7)
- **Schedule** – To schedule the who will be assessing each piece of equipment (Administrator only)
- **2-Kilo** – The discrepancy and recommended action form
- **CK** – To edit equipment (Administrator only)
- **Upload** – To create SNAP disk
- **Help** – FAST documentation (i.e. user manual, FAST specs)

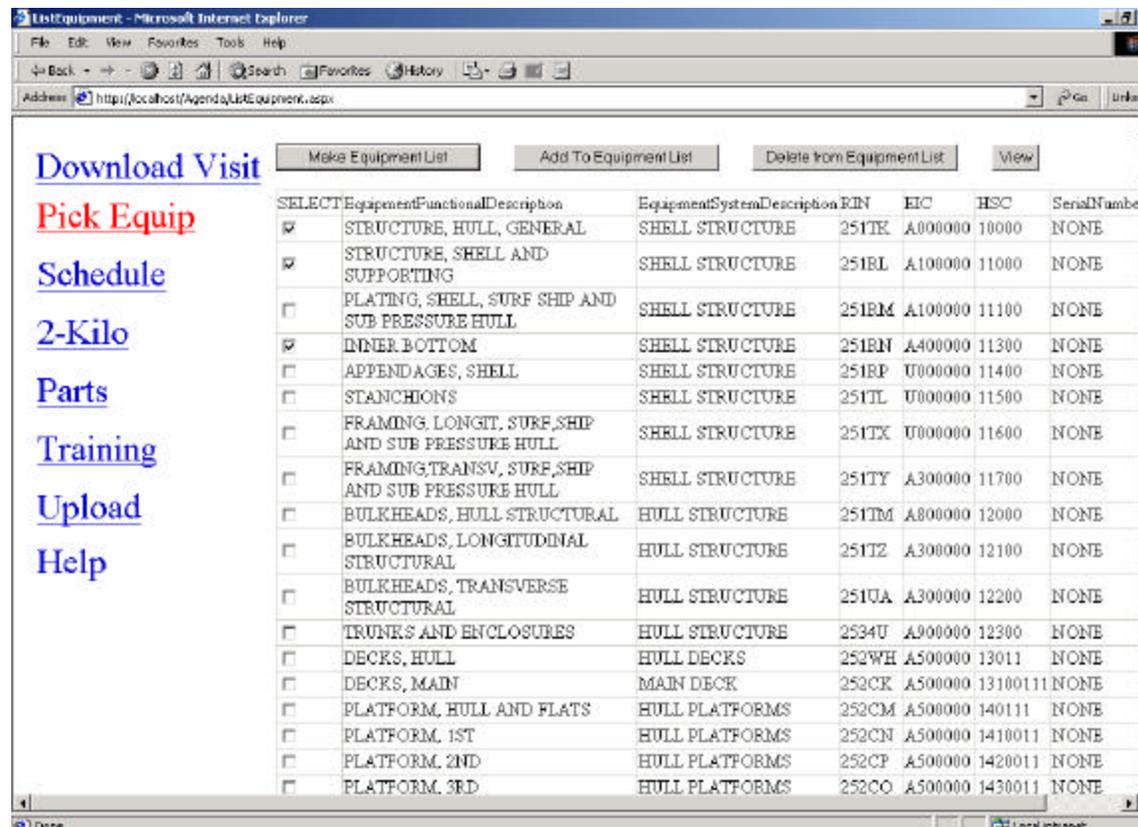
4. Defining Text Box Selections

5. Pick Equipment Menu

Check the boxes next to the equipment to be assessed. If the item you are looking for is not on the list, enter it manually.

5.1 Adding the Ship Equipment to the Pick Equipment 2-Kilo List (Figure 1.7)

1. Click **Pick Equip** menu to open the **Pick Equipment Manager** (below)
2. In the **SELECT** column, check the desired equipment to be added to the **Pick Equipment 2-Kilo list**
3. Click **Make Equipment List** button  to add.



SELECT	EquipmentFunctionalDescription	EquipmentSystemDescription	RIN	EIC	HSC	SerialNumber
<input checked="" type="checkbox"/>	STRUCTURE, HULL, GENERAL	SHELL STRUCTURE	251TK	A000000	10000	NONE
<input checked="" type="checkbox"/>	STRUCTURE, SHELL AND SUPPORTING	SHELL STRUCTURE	251RL	A100000	11000	NONE
<input type="checkbox"/>	PLATING, SHELL, SURF SHIP AND SUB PRESSURE HULL	SHELL STRUCTURE	251RM	A100000	11100	NONE
<input checked="" type="checkbox"/>	INNER BOTTOM	SHELL STRUCTURE	251RN	A400000	11300	NONE
<input type="checkbox"/>	APPENDAGES, SHELL	SHELL STRUCTURE	251RP	U000000	11400	NONE
<input type="checkbox"/>	STANCHIONS	SHELL STRUCTURE	251TL	U000000	11500	NONE
<input type="checkbox"/>	FRAMING LONGIT, SURF SHIP AND SUB PRESSURE HULL	SHELL STRUCTURE	251TX	U000000	11600	NONE
<input type="checkbox"/>	FRAMING TRANSV, SURF SHIP AND SUB PRESSURE HULL	SHELL STRUCTURE	251TY	A300000	11700	NONE
<input type="checkbox"/>	BULKHEADS, HULL STRUCTURAL	HULL STRUCTURE	251TM	A800000	12000	NONE
<input type="checkbox"/>	BULKHEADS, LONGITUDINAL STRUCTURAL	HULL STRUCTURE	251T2	A300000	12100	NONE
<input type="checkbox"/>	BULKHEADS, TRANSVERSE STRUCTURAL	HULL STRUCTURE	251UA	A300000	12200	NONE
<input type="checkbox"/>	TRUNKS AND ENCLOSURES	HULL STRUCTURE	2534U	A900000	12300	NONE
<input type="checkbox"/>	DECKS, HULL	HULL DECKS	252WH	A500000	13011	NONE
<input type="checkbox"/>	DECKS, MAIN	MAIN DECK	252CK	A500000	13100111	NONE
<input type="checkbox"/>	PLATFORM, HULL AND FLATS	HULL PLATFORMS	252CM	A500000	140111	NONE
<input type="checkbox"/>	PLATFORM, 1ST	HULL PLATFORMS	252CN	A500000	1410011	NONE
<input type="checkbox"/>	PLATFORM, 2ND	HULL PLATFORMS	252CP	A500000	1420011	NONE
<input type="checkbox"/>	PLATFORM, 3RD	HULL PLATFORMS	252CO	A500000	1430011	NONE

Figure 1.3.A – Pick Equipment Manager

You will then be taken to the **Added Equipment** table (Figure 1.3.B). This table shows what equipment you have added to the **Pick Equipment for New 2-Kilo list** (Figure 1.7).

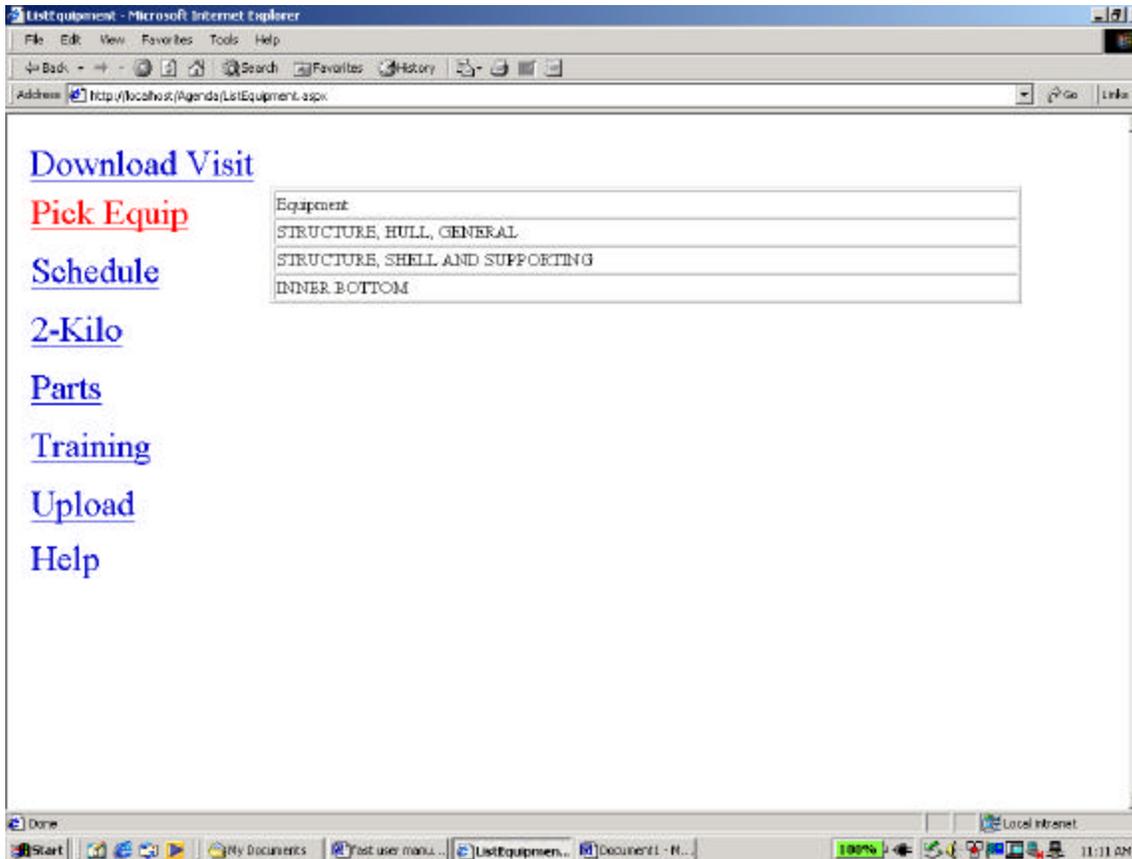


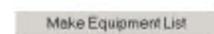
Figure 1.3.B – Added Equipment table

5.2 To Verify the Added Equipment

4. Click **2-Kilo** menu. This step will take you to the **Existing 2-Kilo** form
5. Click **New 2-Kilo** menu. You will now see the equipment being added listed in the **Pick Equipment for New 2-Kilo** table (Figure 1.7)

To continue, please refer to **Creating 2-Kilo Using The Pick Equipment List method**

The Pick Equipment Manager Toolbar



Make Equipment List: Saves the equipment to the **Pick**

View

View: Shows the added or deleted equipment in table view (see *Figure 1.3.B – Added Equipment table*)

6. 2-Kilo Menu

The 2-kilo form is where discrepancies will be recorded. The form will have spaces available to write a detailed description of the problem and who the points of contact are in case there are questions.

- **Completed:** The form lets you indicate that the equipment is fixed.
- **New 2-Kilo:** To create a new 2-Kilo record
- **EOC:** Show records of completed 2-Kilo
- **ICMP:** Unknown

6.1 Existing 2-Kilo Form

The 2-Kilo form allows you view records of saved 2-Kilo data and make changes to existing 2-Kilos as the work progresses.

The screenshot shows a web browser window titled 'WebForm1 - Microsoft Internet Explorer' with the address 'http://localhost:8080/SMAF/SMAFpages.aspx'. The main content area is titled 'Existing 2-Kilo' and contains a form with the following fields:

SMAF	CA01_0513 E010 CONSOLE CMPTR D	<input type="checkbox"/> Validation			
Originator	SFMH Exp	Summary			
<input type="text"/>	0010	UPPER CRT OUT OF FOCUS			
<input type="checkbox"/> UpLoaded					
When Discovered	Normal Operation	2325	WRK CTR	CA01	
Deferral Reason	Lack of material	3065	RIN		
Safety Hazard	None	First Contact	APL	00029573F	
Priority	keith	EECOTE	ESWES	46889	
Status	Degraded	Rate	STG3	EIC	2D74400
Cause	Normal/Wear and Tear	Second Contact	Serial		
Type Availability	Depot- TAI	STG2 WALKER	Location	2-50-2-C	
Problem Description	DURING NORMAL OPERATION UPPER CRT LOST FOCUS.				
Recommended Action	TROUBLESHOOTING DISCOVER BAD R7 RESISTOR AND P56 POWER SUPPLY WHERE FAULTY. XXX ORDER AND REPLACE R7 AND P56 POWERSUPPLY				

6.2 Key Fields in the Existing 2- Kilo Form

Key Field	Purpose
SMAF	Service Management Agent Function
Validation	Check when completed.
Upload	Check when completed.
Originator	Who found the problem and wrote the 2-Kilo
Ship Force Man Hour (SFMH) Exp	How many hours required to correct the problem.
Summary	A brief, one line summary of the problem. This field is limited to 30 characters maximum.
When Discovered	This field indicates when the problem was discovered. Possible values are: N/A (Services Required etc), Light Off or Start, Normal Operation, During Opt Test, During Inspection, Shifting Operation Mode, During PMS, Securing, During AEC Visit
WRKCTR	The ship division responsible for that equipment
Deferral Reason	Reasons why the equipment has not been fixed. Possible values are: Other or No Malfunction, SF Backlog/Op Priority, Lack of Material, No Formal on Equipment, Formal Training Inadequate, Inadequate School Practical Training, Lack Facilities/Capabilities, Not Authorized for SF ACC, SF OH/Avail Work List, and Lack of Technical Document.
Record Identification Number (RIN)	
Safety Hazard	Yes or No
Priority	This field indicates the priority level of this equipment. Possible values are: Mandatory (C4), Essential (C3), Highly Desirable, Desirable. First Person: The field indicates the first person you'd in contact with about

EIC	
Cause	The cause of the problem. Possible values are: Other or no Malfunction, Abnormal environment, Manufacturer/Installation defects, Lack of knowledge or skill, Communications problem, Inadequate instructions/procedure, Inadequate design, Normal wear and tear.
Serial Number	No more than 6 numbers.
Type Availability	The people available to work on the problem. Possible values are: Depot-TA1, Ima-TA2, Tech assist-TA3, Ship's force-TA4, Minor discrepancy-TA5
Second Contact	The second person you would be in contact for a piece of equipment.
Location	The location the equipment is located at.
Problem Description	You can enter a longer description for the equipment. There is no character maximum.
Recommended Action	Action recommended action to fix the problem.

Table A

The Existing 2-KILO Toolbar

This tool bar appears at the bottom of the Existing 2-Kilo form.



Figure 1.4 – Existing 2-Kilo Toolbar

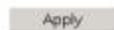
6.3 Definitions for the Toolbar



Previous: Select this button lets you browse the previous 2-Kilo record.



Next: This button lets you browse the next 2-Kilo record.



Apply: Pressing this button saves the 2-Kilo record.



New 2-Kilo: Clicking this button will create a new 2-Kilo record.

Parts

Parts: Lets you list equipment information (i.e. NSN, APL)

Build Standard Statement

Build Standard Statement: This button takes you to the 'Standard Statement' form in order to create common/reusable description

6.4 2-Kilo Completed Form

The 2-Kilo is the method used to write up discrepancies found during the ship assessment. The assessor fills in the blanks on the 2-Kilo form so that there is a documented problem with the piece of equipment in question. The form also leaves space to create an order form for parts needed to fix the gear. Once the completed box is checked on the 2-Kilo, the 2-Kilo is closed out and another one can be started.

The screenshot shows a web browser window titled 'WebForm1 - Microsoft Internet Explorer'. The address bar shows 'http://localhost:8080/SMAF/SMAFCompleted.aspx'. The main content area is titled '2-Kilo Completed' and contains the following form elements:

- Navigation links on the left: [Download Visit](#), [Pick Equip](#), [Schedule](#), [2-Kilo](#) (highlighted in red), [Existing 2-Kilo](#), [Completed](#) (highlighted in red), [New 2-Kilo](#), [EOC](#), [ICMP](#), [CK](#), [Upload](#), [Training](#), [Reports](#), [Help](#).
- Form fields:
 - SMAF:
 - Summary:
 - Parts Usage:
 - Job Closing Remarks:
 - Actual Solution:
 - Date:
 - SF Miles:
- Buttons: '<', 'OK', 'new 2-Kilo', '>'.
- Checkbox: Completed.

Figure 1.5 2-Kilo Completed

Parts Usage	Where were the parts for the equipment from
Job Closing Remarks	Brief remarks when closing job
Actual Solution	The final closing solution to the problem
Date	Date completed
SF Mhrs	The total hours required to fix the equipment
Completed	A check box indicating whether the equipment has been fixed.

Table B

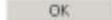
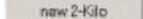
6.4.2 The 2-Kilo Completed Tool Bar

This tool bar appears at the bottom of the 2-Kilo Completed Form.



Figure 1.6 – The 2-Kilo Completed Toolbar

6.4.3 Definitions for the Tool Bar:

-  **Previous:** Move to the previous record
-  **Next:** Move to the next record
-  **OK:** Save the changes
-  **New 2-Kilo:** The New 2-Kilo button opens the New 2-Kilo form , allowing you to enter a new 2-Kilo record.

7. The New 2-Kilo

A 2-Kilo is created in order to document a problem with a piece of equipment. The assessor can describe in detail for the record, what problems were found with the equipment during the assessment so that the problems can be corrected in a timely manner and left with the ship to follow up on.

7.1 Creating New 2-Kilo Using the Item Lookup Method

Important: This is the recommended procedure for creating New 2-Kilo.

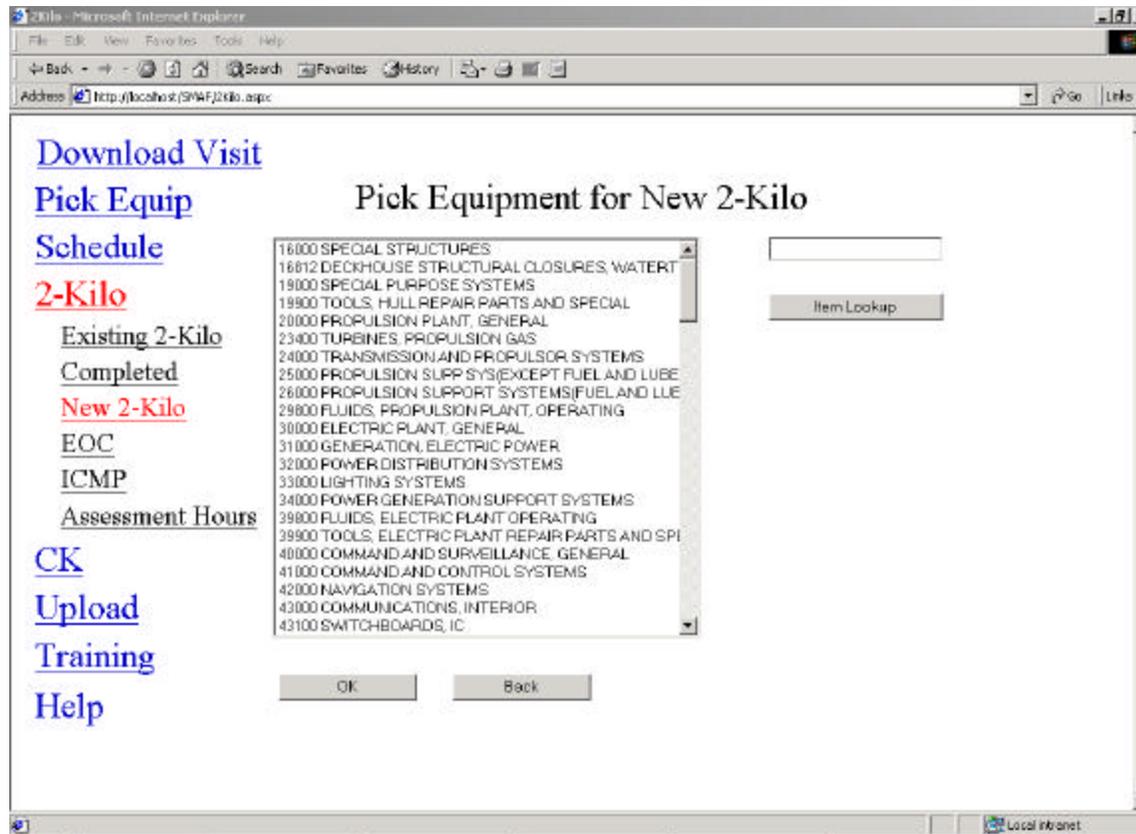


Figure 1.7 Pick Equipment for NEW 2-Kilo

The Item Lookup button will open the **New 2-Kilo** form.

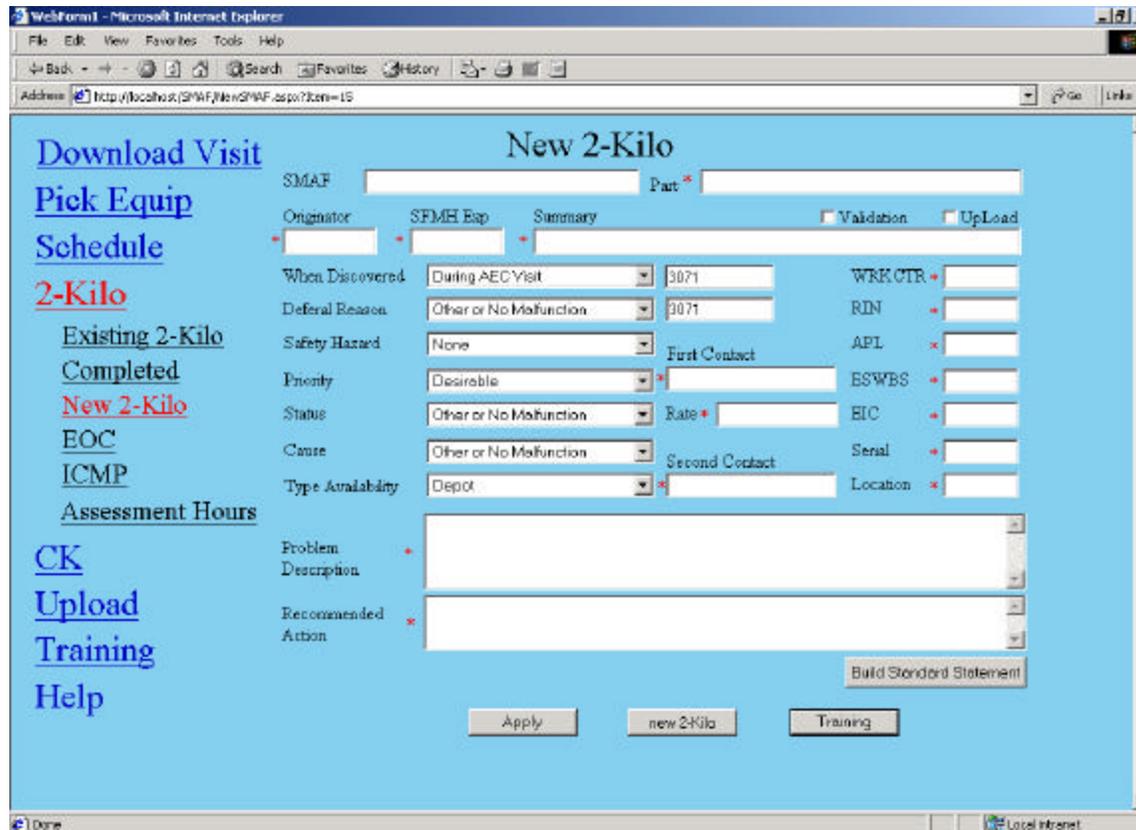


Figure 1.9 – New 2-Kilo

Note: The required field (**Part**) is only visible when creating **new 2-Kilo**.

Key Field	Purpose
Part	This is the equipment name

See **Table A** for complete field descriptions.

7.1.2 Required Fields

To find out the required fields, click  and you will see red stars next to some of the fields. Fields with stars will have to be filled in order to save.



Figure 1.10 – New 2-Kilo Toolbar

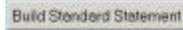
7.2.1 Definitions for the Toolbar



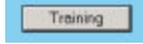
Apply: This button saves the 2-Kilo record



New 2-Kilo: This will open the New 2-Kilo form



Build Standard Statement: This button takes you to the ‘Standard Statement’ form in order to create common/reusable description



Training: This button will make the red stars visible indicating required fields.

7.3 Creating 2-Kilo Using The Pick Equipment List Method

1. Select the equipment name from the **Pick Equipment** list (See figure 1.7)
2. Press  to further pin point the equipment. The **OK** button will open the **Pick SCLISIS for New 2-Kilo** form (Figure 2.0).
3. Select the appropriate equipment in the **HSC PRID Location Equipment Functional Description** table.
4. Click **OK**



Filters equipment list by the information given.

The **OK** button will take you to the **New 2-Kilo** form (Figure 1.9). To create new **2-Kilo**, refer to **Creating New 2-Kilo using the Item Lookup method** section

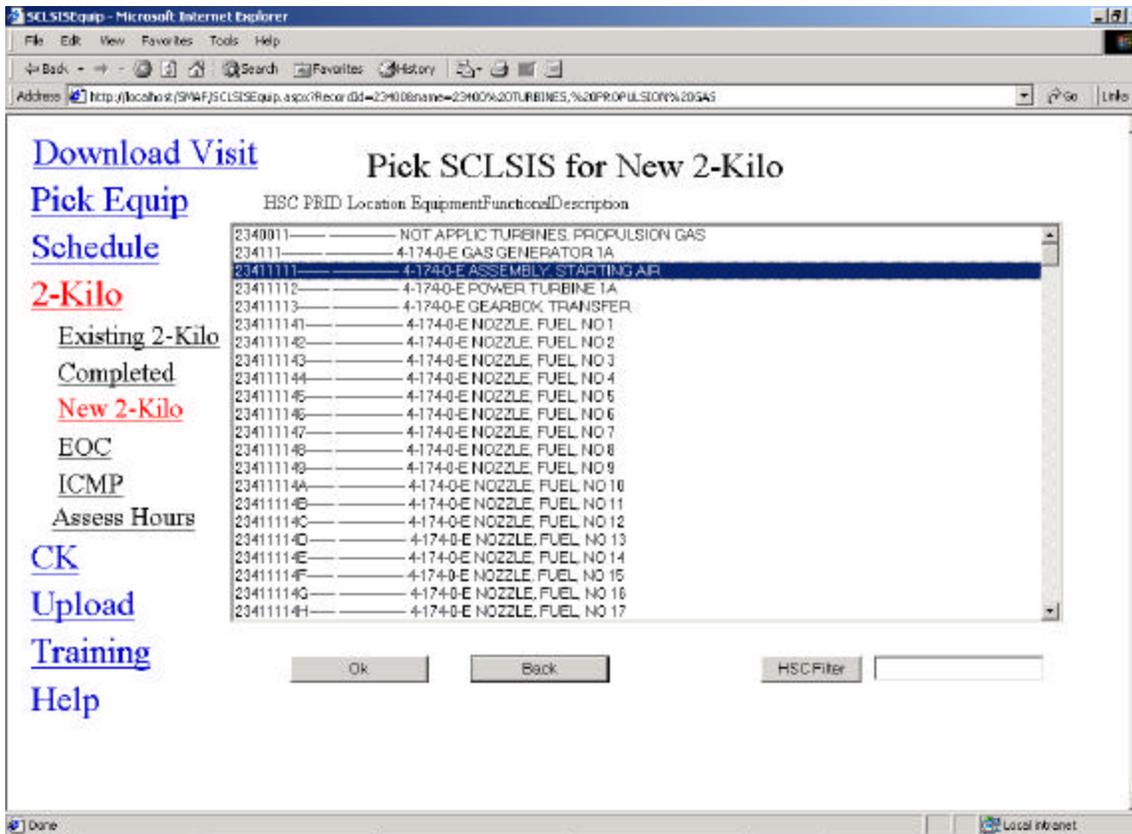
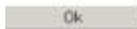
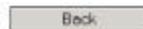


Figure 2.0. - Pick SCLISIS for New 2-Kilo

7.4 The Pick SCLISIS for New 2-Kilo Buttons



OK: This will take you to the **New 2-Kilo** form (Figure 1.9).



Back: To go back the **Pick Equipment for New 2-Kilo** form (Figure 1.7).