
FMS Initial Support Team (FIST)

By

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Background

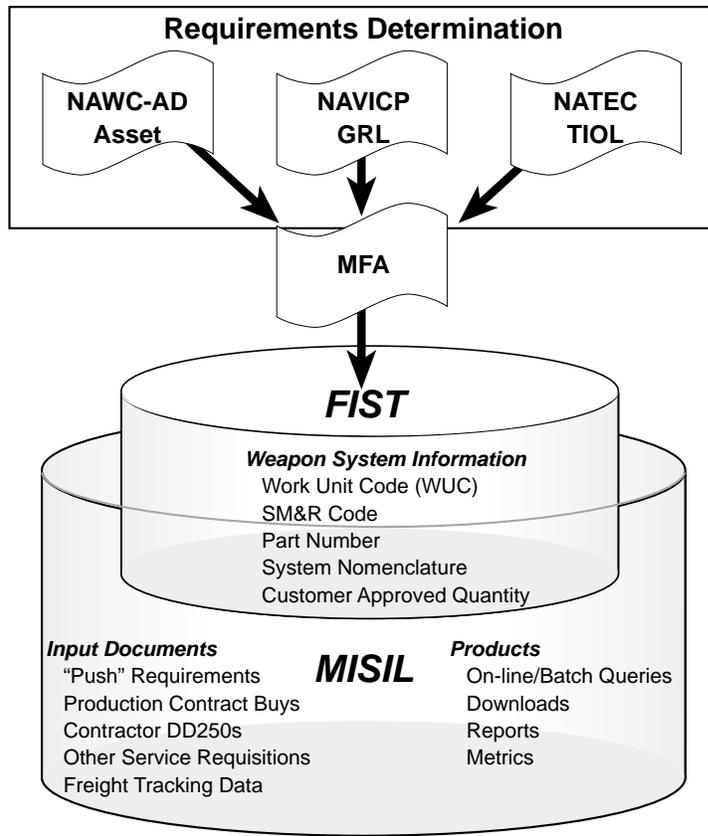
FMS Initial Support Tracker (FIST) provides NAVAIR program managers, FMS customers, and supporting activity's logistics element managers (LEMs) with an integrated tracking system. FIST enables them to monitor spares, support equipment, and publications initial support requirements from requirements determination through delivery all linked together at the system configuration level. FIST is a windows based software application resident on the NAVICP LAN and the WEB within the FMS Information Warehouse. The French E-2 and the Spanish SH-60 programs currently are loaded into FIST as the initial test programs. The FMS Initial Support Tracker (FIST) was conceived by AIR-3.OC as a government-sponsored common program that will be used for all future NAVAIR FMS aviation programs. At the request of the U.S. Air Force, U.S. Army, and the Navy, the FIST capability is being developed into the new DoD level FMS tracking system Defense Security Assistance Management System.

To initialize FIST, the maintenance functional analysis (MFA) is loaded providing the weapons systems configuration with spares, major support equipment, and publications all tied together at the system level. The MFA is used by the FMS customer and NAVAIR with supporting logistics element managers to establish the FMS initial support requirements at the site survey. During the site survey, the Navy maintenance concept is tailored to meet the FMS customer country's unique requirements. Support items including spares and support equipment (SE) as well as publications, facilities, and training are selected based on tailored maintenance concepts and existing compatible FMS customer owned logistics assets. After the site survey, the MFA data, including all of the items applicable to each system within the aircrafts configuration, is loaded to FIST to provide the system structure for tracking logistics data system by system.

The chart on the next page reflects NAWC-AD providing support equipment, NAVICP spares, and NATEC publications data as the main sources of data to FIST. The spares, support equipment, and publications data is linked together through the system configuration data in FIST from the MFA. The FIST data is updated automatically by the Navy's Management Information System for International Logistics (MISIL) with estimated delivery/procurement/pricing/shipment status for all matching FMS requisitions.

Supporting or prime contractors often provide portions of the logistics data also as coordinated by the NAVAIR assistant program manager for logistics. Additional status and explanatory data is loaded for requisitions by each responsible LEM as necessary.

A program database is created when NAVICP performs an initial batch upload of establishment records into FIST. These records are developed by NAVICP or by a program LEM (government or contractor) tasked with establishing the initial database. This database is part of the FIST system and is segregated from other program databases by country/case. Now established, the database is available for use within FIST and authorized users may update program data. FIST is initialized and updated by authorized LEMs assigned the responsibility for designated fields. Certain fields, such as program definition line item (PDLI), standard price and supply system status, can only be updated by MISIL. Fields assigned to the LEMs, for example, include work unit code, system nomenclature, part number, maintenance and supply data as well



FIST Process Diagram

as tracking remarks. LEM updates can be accomplished via interactive web update on the internet or in a batch mode for initial load or subsequent updates. The data within FIST can be manipulated through interactive query as well as multiple standard reports and downloaded into most formats.

Info Warehouse/FIST, through the use of user ID/passwords, limits access to a country and case program database. Database integrity is maintained by FIST restricting record updates through the use of user ID/passwords and responsibility codes (RSP CD). The RSP CD a 3-position code identifying each command/contractor. The RSP CD is a mandatory field for establishing a data record in FIST. Additionally, FIST restricts record update authorization (add/update/delete actions) to named individuals within the responsible command/contractor by the use of RSP CD's in conjunction with an individual's User ID/Password. The APML is responsible for identifying to NAVICP which individuals are assigned update authority and what record update actions they are allowed.

Capabilities

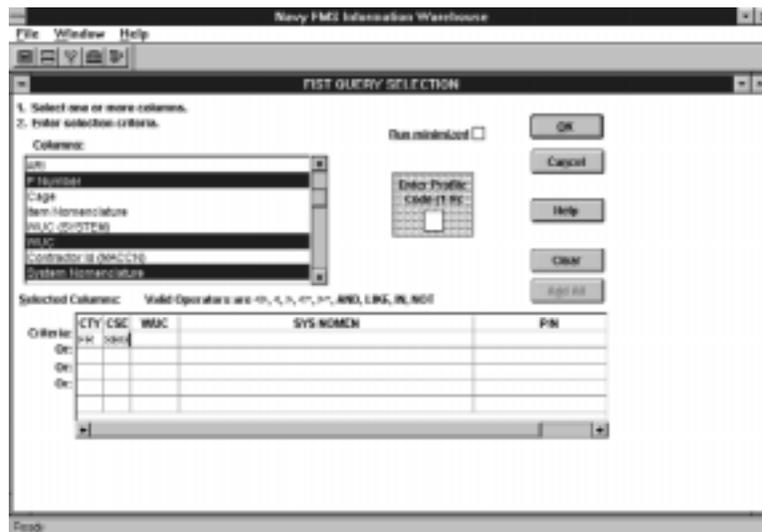
The following capabilities exist for all FIST users:

- Enhanced program management from requirements determination through material delivery
- Improved visibility of "due in" material for FMS customers
- Early identification and quicker resolutions of potential problems

- On-line interactive query/sort capability with sophisticated query build screen and custom reporting for viewing or downloading data. Download to most formats
- On-line interactive (add/update/delete) capability along with batch (add/update/delete) capability
- Batch mass update data by case code
- Pre-formatted reports for viewing on-line, printing or downloading
- Summary delivery status report by category (backorder, pre-award purchase, on contract, shipped, cancelled, etc.)
- Maintenance transition report (delivery status of each item by system, need date and maintenance level)
- Weapon system cost report (cost for each logistics element or aggregate by system as well as for the entire aircraft)
- Requisition summary report (listing of established requisitions and their status by logistics element)

Interactive Query

With the interactive query, click on any field in the vertical list of available data fields for them to drop down in whatever custom designed report structure desired. Then type any qualifiers/operators into the fields to develop the query. The results of the query create a custom report or can be used to provide the initial qualifiers for use of one of the standard reports described below. The interactive query results can be printed to your local printer or downloaded to your PC.



Reports

FIST provides canned reports with summary shipment statistics, requisition status reports by logistics element, weapon system cost summary reports, and maintenance transition reports.

WUC	P/LI CD	P/NP/NB	PSC	NH	NOMEN	SMO	QTY	TOTY	MILSTDP
111300	12081045	501	1580	00111584	DOOR,ACCESS	PR000			1 PFR1247017801
111300	120C01803	407	1580	01180288	PN ASSEMBLY	PR000			
111820P	12004988	15	1580	00225584	VALVE,HEAD,DIRCT	PR000			1 PFR12401575102
1213000	1204V0703	3	5085	01348190	CABLE ASSEMBLY,SPRC	PR000			1 PFR12470178137
1222100	1234011580	505	1580	01062080	SEAL,ACRONFT	PR000			
132080P	3007803				BRACE ASSY LEFT	PR000			
1322100	8024190			00198847	TRNS, PNEUMATIC	PR000			
1744000	80245100		4030	01400005	SEAWATER ACT B,DRHT				
222014*	00276011		2010	012118170	FILTER,FUEL,HPFC02	PR000			
2302040	20003630		2010	01300794	DRFC	PR000			3 PFR12403318008
2323100	20033700		03LR	00607020	TOPGAGEMETER	PR000			
250202*	20034505		03LR	00481000	ROB UNIT ASSY	PR000			
2802100	4070		2040	00000795	CYLINDER ASSEMBLY,A	PR000			
2802100	30000130C		2040	01318027	STARTER,ENGINE,AR	PR000			3 PFR12400208108

The Requisition status report above also has the following fields accessible with the scroll bar to the right.

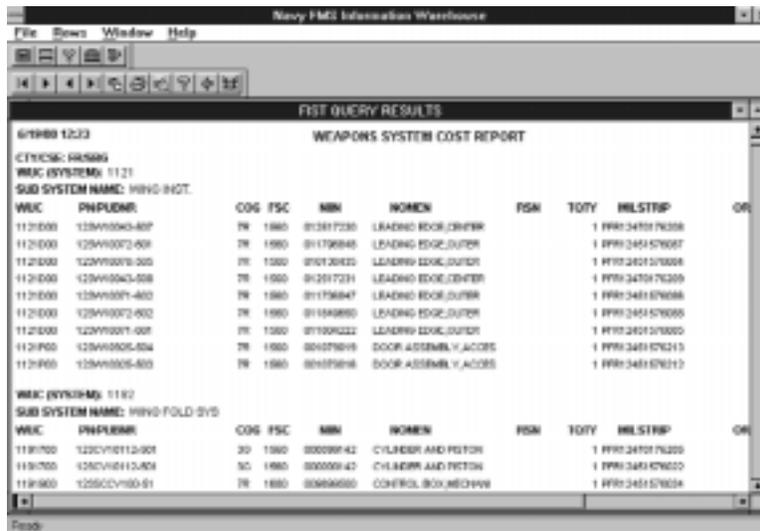
- RDD Required Delivery Date
- LT ST Last Status Code per MISIL
- APML CD Status Code Reported to APML
- Stat Dt Date Last Status Code was input per MISIL
- APML Dt Date Status Code Reported to APML
- SHP Date Shipped
- EAD Estimated Availability Date

WUC	P/NP/NB	NOMEN	RSP	MILSTDP	COS	NH	TOTY	PCD
WUC (SYSTEM): 1070								
SUB SYSTEM NAME: ELECTRICAL SYS D/C								
4321000	8017335-1	POWER SUPPLY	0P	PFR12450238190	TR	010073181	2	2
WUC (SYSTEM): 4100								
SUB SYSTEM NAME: EQUIP AIR COND								
010000*	1230C00158-5	HEAT EXCHANGER,PAR	0P	PFR12451578143	SR	012523810	1	1
0100000	1230C00158-7	FAN,VARIAL	0P	PFR12470178110	TR	008048848	1	1
0100000	1230C00158-7	FAN,VARIAL	0P	PFR12451578144	TR	008048848	1	1
WUC (SYSTEM): 4114								
SUB SYSTEM NAME: AIR CYC SYS								
011410*	1230C00158-10	DUCT ASSEMBLY,COND	0P	PFR12451578200A	TR	013177812	1	1

The maintenance transition reports provide delivery, estimated delivery and critical item data covering spares, support equipment, and publications for each system on the aircraft. The maintenance transition reports identify an FMS customer's capability by system to assume maintenance responsibility for the aircraft. The reports identify what will be delivered by the need dates and what the plans are for the balance of items to ensure the scheduled transition to the FMS

customer's capability. The Maintenance transition report above also has the following fields accessible with the scroll bar to the right.

- RDD Required Delivery Date
- EAD Estimated Availability Date
- SHP Shipped Date
- FF REC Freight Forwarder Receipt Date
- RIC Received in Country



The weapon system cost report provides the summary cost for any system or the entire aircraft with a comparison of the original price and availability and final prices. The costs can be broken down for each logistics element or summarized for all logistics elements (spares, support equipment, and publications) of each system, combination of systems, or the entire aircraft. The weapon system cost report above also has the following fields accessible with the scroll bar to the right.

- Orig Ext Amt Original Extended Amount (Original Extended Value of Requisition)
- Ext Amt Extended Amount (Extended Value of Requisition)

Summary

FIST is a database loaded by the LEMs for the NAVAIR APML, LEMs, and FMS customer to track spares, support equipment, and publications for the entire aircraft as well as at the system level. FIST can be accessed and updated from anywhere in the world via the WEB as part of the NAVICP FMS Information Warehouse. FIST provides capability for the NAVAIR and the FMS customer team to assess what items of support equipment, spares, and publications will be needed, and if any will not be available by the need date. Management attention can be expedited to any projected late to need item or a work-around can be developed. FIST has a powerful interactive query capability allowing access to all aspects of FIST extracted by any combination of fields and sequence locally printable and downloadable in most formats. FIST has a range of powerful canned reports defined by NAVAIR to maximize management information and ability to apply attention in the areas of total program summary of requisition status, maintenance transition capability, and comparison and summary of preliminary program and system cost versus final cost. At the request of the U.S. Air Force, U.S. Army, and the U.S. Navy, the FIST capability is being developed into the DSAMS. FIST is an extremely powerful tool now adopted by all of the DoD for truly integrated tracking of FMS initial support logistics.

About the Author

Robert C. Marr graduated from the University of Maryland in 1974 with a BS double majoring in Business Management and Personnel and Labor Relations. He started at the Navy Aviation Supply Office in 1975 as an Inventory Manager. At various times during his career at the Aviation Supply Office now called Naval Inventory Control Point (NAVICP) he has been the branch head for the domestic USN A-6, F-18, Common Avionics, and AV-8B aircraft programs. Mr. Marr currently is a Division Director at NAVICP for Aviation FMS spares programs. He is responsible for all Naval aviation FMS initial spares support programs except for the F-18 and AV-8B and for all NAVICP cog aviation FMS spares follow on support requirements except for Repair of Repairables.