

Forecast, Procure, Repair, and Back Order

Shane Brenizer, UI Designer

UserWorks/Manugistics - U.S. Navy Procurement System

BACKGROUND: Shane Brenizer was hired by UserWorks, Inc., a human factors company, to provide user interface design support for a contract with Manugistics.

PROBLEM: The U.S. Navy was adding functionality to a web-based procurement system. The site needed to comply with an existing graphic standards document.

SOLUTION: Manugistics provided requirements documents, which were evaluated and translated into hi-fidelity prototypes (HTML/CSS) by Shane Brenizer. The prototypes were presented to Navy personnel for design review/validation, and the finished prototypes served as an integral part of the Development Program Specification Documents.

The details of the plan of record can easily be compared to a simulated plan.

BACK ORDER DETAIL FOR NIIN 010233175							Buy
Order #	Quantity	NIIN	FRC	Date Requested	Date Available	Supplier	
<input type="checkbox"/> 41TFF489	5	123456789	H	07/23/02	09/11/02	San Diego	
<input type="checkbox"/> 41TFF489	88	123456789	M	05/17/02	09/11/02	Norfolk	
<input type="checkbox"/> 41TFF489	5	123456789	M	03/19/02	09/11/02	San Diego	
<input type="checkbox"/> 41TFF489	300	123456789	M	05/17/02	09/11/02	Norfolk	

Items on back order can be purchased from a number of suppliers for future use.

NIIN Detail - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Home Search Favorites History

Address C:\Documents and Settings\sbrenizer\My Documents\Navy\our_prototype\NIIN_supplydemand.html

User ID: John Smith * User Type: CM * User Group: 2 Log Out

NIIN Detail

Alerts/Exceptions Simulation B.O./Reqs. Plan Summary Forecast Audit/Reports

Edit NIIN

Plan Of Record

DESCRIPTION: COVER, VALVE HOUSING
NIIN: 010233175 LRC: FAMILY HEAD: 00263666
DEPOT: NF, SD FSC: R FAMILY GROUP CODE: 4324
FRC: H COG: H

Item Codes

SMIC: BE REPAIR COST: 400
MCG: H REPLACEMENT COST: 2,000
REP IND: Y STANDARD COST: 2,400
ACC: E NET COST: 3,000
DRPR: 11 22 33 44 55

Planning Inputs

PROCUREMENT LT: 0 SURVIVAL RATE: 9200
PRODUCTION LT: 0 WEAROUT RATE: 0800
ADMIN LT: 0 RTAT: 0.0

Supply/Demand

Chart Alerts Procurement Repair Termination

PERIOD	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
START DATE	03/01/01	03/31/01	04/30/01	05/30/01	06/29/01	07/29/01	08/28/01	09/27/01	10/27/01	11/26/01	12/26/01	01/25/02	02/24/02	03/26/02	04/25/02	05/25/02	06/24/02	07/24/02
RFI	rt63.00	2.00	1.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
DUE IN PROCUREMENT	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DUE IN REPAIR	0.00	0.00	0.00	0.00	0.00	.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MONTHLY FORECAST	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BACK ORDERS	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
PPRs	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SAFETY STOCK	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
REC. REPAIR QTY	0.00	0.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

OF BO
DOCs

MONTHLY
DEMAND
FORECAST

STOCK
OUT
INDICATOR

LAST
PLAN
EXECUTION

0	776,000	No	03/30/01
48	55,000	Yes	03/30/01
53	45,000	No	03/30/01

Workload Queue					# OF BO	MONTHLY	STOCK	LAST
NIIN	ITEM DESCRIPTION	BOs	DEMAND	OUT	INDICATOR	FORECAST	EXECUTION	PLAN
014514217	MODIFICATION KIT, AI	0	776.0000	No	03/30/01			
012859940	PROPELLER, AIRCRAFT	48	55.0000	Yes	03/30/01			
012891244	BLADE, PROPELLER, AIR	53	45.0000	No	03/30/01			
002636666	BULKHEAD	51	0.0000	No	03/30/01			
010711826	CIRCUIT CARD ASSEMB	56	14.0000	No	03/30/01			
010060013	STOP ASSEMBLY, FLIGH	38	2.0000	Yes	03/30/01			
002802759	SPINNER, PROPELLER, A	51	0.0000	No	03/30/01			
010233175	COVER, VALVE HOUSING	55	0.0000	No	03/30/01			
014540851	BLADE, PROPELLER, AIR	53	102.0000	No	03/30/01			
002802751	SPINNER, PROPELLER, A	54	0.0000	No	03/30/01			
010720706	SYNCHROPHASER, ELECT	52	0.0000	No	03/30/01			
011254568	REGULATOR PITCH LOCK	54	10.0000	Yes	03/30/01			
011678586	CIRCUIT CARD ASSEMB	56	112.0000	Yes	03/30/01			
001386614	BAFFLE, AIR	54	25.0000	No	03/30/01			
001266558	COVER ASSEMBLY, VALV	55	48.0000	No	03/30/01			
001217509	RING ASSEMBLY, ELECT	8	0.0000	No	03/30/01			
012743443	HOUSING ASSEMBLY	54	30.0000	No	03/30/01			
002851965	HUB, PROPELLER, AIRC	14	14.0000	No	03/30/01			

A workload queue was designed to allow procurement specialists to manage the parts assigned to them.