

# Forecast, Procure, Repair, and Back Order

bad  
dad design

UserWorks/Manugistics - U.S. Navy Procurement System

**BACKGROUND:** Bad Dad Design 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/JavaScript) by Bad Dad Design. 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

Order #	Quantity	NIIN	FRC	Date Requested	Date Available	Supplier
<input type="checkbox"/> 4TTF489	5	123456789	H	07/23/02	09/11/02	San Diego
<input type="checkbox"/> 4TTF489	88	123456789	M	05/17/02	09/11/02	Norfolk
<input type="checkbox"/> 4TTF489	5	123456789	M	03/19/02	09/11/02	San Diego
<input type="checkbox"/> 4TTF489	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.

The screenshot shows the 'NIIN Detail' page in a Microsoft Internet Explorer browser. The page displays various data fields for a specific NIIN (010233175) and a simulation/forecast table. The simulation table shows demand over 18 periods, with values ranging from 0.00 to 1.00. The forecast table shows monthly forecasts and back orders, with values ranging from 0.00 to 1.00. The page also includes a 'Plan of Record' section with fields for Description, NIIN, LRC, Family Head, Depot, FSC, FRC, COG, SMIC, MCG, REP IND, ACC, REPAIR COST, REPLACEMENT COST, STANDARD COST, NET COST, and DRIPR.

Workload Queue

NIIN	ITEM DESCRIPTION	# OF BO DOCS	MONTHLY DEMAND FORECAST	STOCK OUT INDICATOR	LAST PLAN EXECUTION
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	.0000	No	03/30/01
010711826	CIRCUIT CARD ASSEMB	56	14.0000	No	03/30/01
010680013	STOP ASSEMBLY, FLIGH	38	2.0000	Yes	03/30/01
002802759	SPINNER, PROPELLER, A	51	.0000	No	03/30/01
010233175	COVER, VALVE HOUSING	55	.0000	No	03/30/01
014540851	BLADE, PROPELLER, AIR	53	102.0000	No	03/30/01
002802751	SPINNER, PROPELLER, A	54	.0000	No	03/30/01
010728706	SYNCHROPHASER, ELECT	52	.0000	No	03/30/01
011254568	REGULATOR PITCHLOCK	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	.0000	No	03/30/01
012743443	HOUSING ASSEMBLY	54	30.0000	No	03/30/01
002851985	HUB, PROPELLER, AIRCR	14	14.0000	No	03/30/01

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