

BBN Systems and Technologies

A Division of Bolt Beranek and Newman Inc.

AD-A247 527



Contract No. MDA972-90-C-0074

Monthly R&D Status Reports and Quarterly Technical Reports

4th Quarter
Calendar Year 1991



Submitted by:

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Submitted to:

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Defense Technical Information Center
Cameron Station
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Alexandria, VA 22304-6145

DARPA/ISTO
Attn: Lou Kallis



92 3 11 028

92-06477



Monthly R&D Status Reports and Quarterly Technical Reports

4th Quarter Calendar Year 1991

Statement A per telecon Ltc Stephen Cross
DARPA/SISTO
Arlington, VA 22203-1714

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The views and conclusions contained in this document are those of the authors and should not be interpreted as representing the official policies, either expressed or implied, of the Defense Advanced Research Projects Agency or the U.S. Government.



17 October IPR Agenda

- TRANSCOM Update
- Review of DART Program Plan for October to January
- Review of Centralized Training Effort
- The DART fielding Database
- The developers' IR/ SCP definition and analysis database
- Status of Build 3 configuration control
- Build 3 testing results
- Recap Open Issues

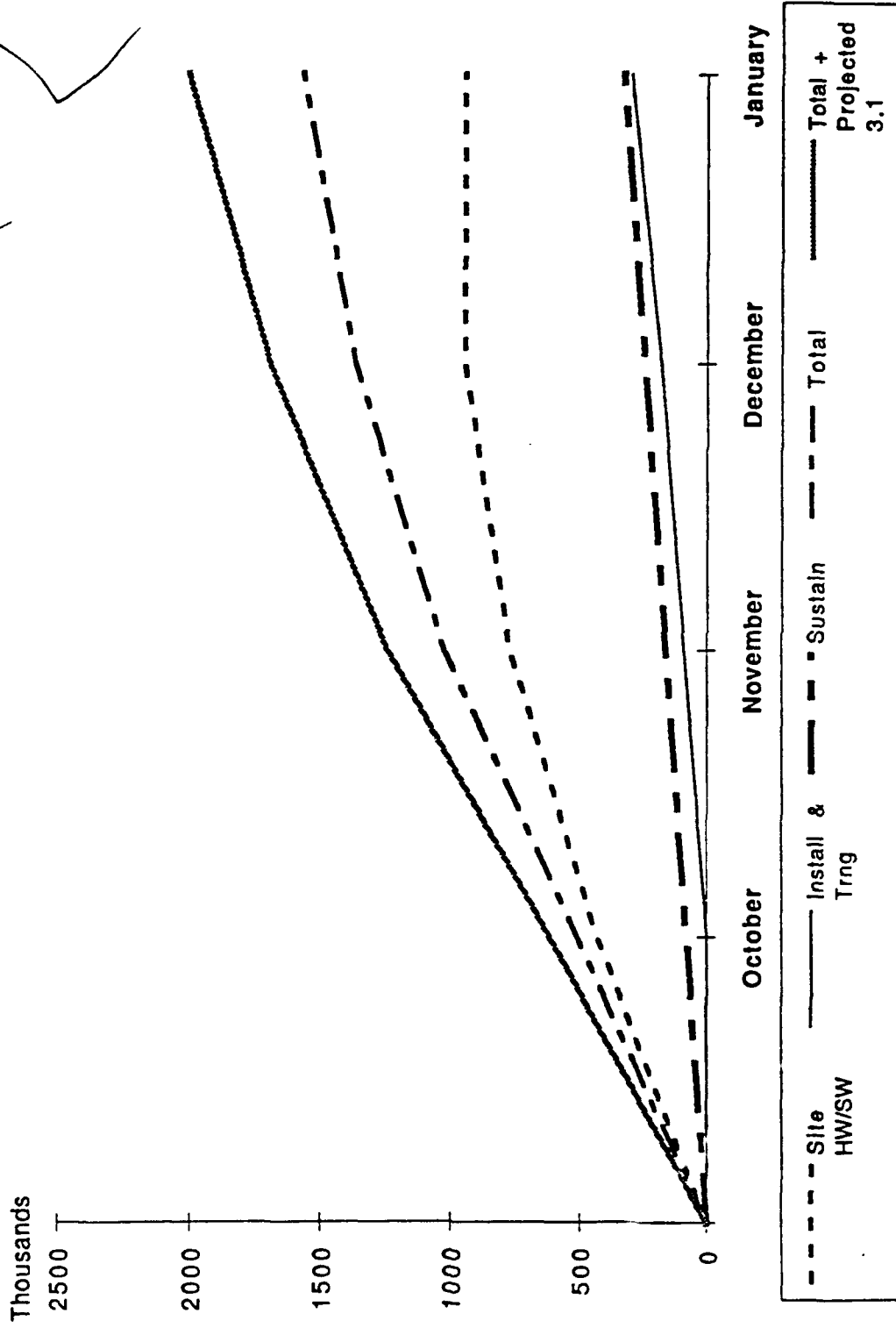
NOTE: A Tag (aka CCB) meeting will follow the IPR



DEPLOYMENT SCHEDULE

Activities	Date	Team	Sept '91					Oct '91					Nov '91					Dec '91					Jan '92					Feb '92				
			1	8	15	22	29	6	13	20	27	3	10	17	24	1	8	15	22	29	6	12	19	26	2	9						
Command			CENTRALIZED TRAINING																													
CENTCOM		1																														
Hardware/Software	04-08-08																															
HW-S/W Acceptance	08																															
Jopes Training	16-19																															
Training	07-15																															
Begin Sustainment	15-																															
PACOM		2																														
Hardware/Software	11-13-15																															
HW-S/W Acceptance	06																															
Jopes Training	09-27																															
Training	04-22																															
Begin Sustainment	24-																															
LANTCOM		1																														
Hardware/Software	18-20-22																															
HW S/W Acceptance	22																															
Jopes Training	17-27																															
Training	18-22																															
Begin Sustainment	22																															
MSC		2																														
Software	02-04																															
S/W Acceptance	04																															
Jopes Training	09-13																															
Training	05-13																															
Begin Sustainment	13-																															
FORSCOM		1																														
Hardware/Software	02-04-06																															
HW-S/W Acceptance	06																															
Jopes Training	07-31																															
Training	05-13																															
Begin Sustainment	13-																															
MTMC		2																														
Hardware/Software	16-18-20																															
HW-S/W Acceptance	20																															
Jopes Training	19-30																															
Training	03-06																															
Begin Sustainment	20-																															
EUCOM		2																														
Hardware/Software	06-08-10																															
HW-S/W Acceptance	10																															
Jopes Training	09-18																															
Training	15-18																															
Begin Sustainment	17-																															
SOUTHCOM		1																														
Hardware/Software	06-08-10																															
HW-S/W Acceptance	10																															
Jopes Training	11-26																															
Training	09-17																															
Begin Sustainment	17-																															
USCOM		1																														
Hardware/Software	13-15-17																															
HW-S/W Acceptance	17																															
Jopes Training	02-19																															
Training	16-24																															
Begin Sustainment	24-																															
MAC		1																														
Hardware/Software	20-22-24																															
HW-S/W Acceptance	24																															
Jopes Training	20-23																															
Training	07-18																															
Begin Sustainment	31-																															
JOPES Training																																
Begin Sustainment																																
Centralized Training																																

FY 92 Initial Spend Plan





DART hardware assembly and check out

- Orders placed for hardware and software
- Software documentation shipped direct to sites
- Hardware received at BBN
- Sun Representative installs hardware
- DART loaded
- Software and hardware tested
- Software acceptance at BBN
- Software and hardware shipped to sites

*Warehouses Starts
where site gets
equipment*



DART TRAINING

- CENTRALIZED TRAINING

- TIME: 28 OCT - 1 NOV
- LOCATION: SRA BLDG (RM 150)
- CURRICULUM: 40 HRS USER & SYSTEM ADMIN
- ATTENDEES: DSSO & PACOM (TO DATE)
- CAVEAT: EQUIPMENT BY 21 OCT

- SITE TRAINING

- TEAMS SELECTED
- CURRICULUM SET
- ALL SYSTEMS GO



DART Deployment Databases

Sites

- Site Name
- Site No.
- Address

Site Survey Information

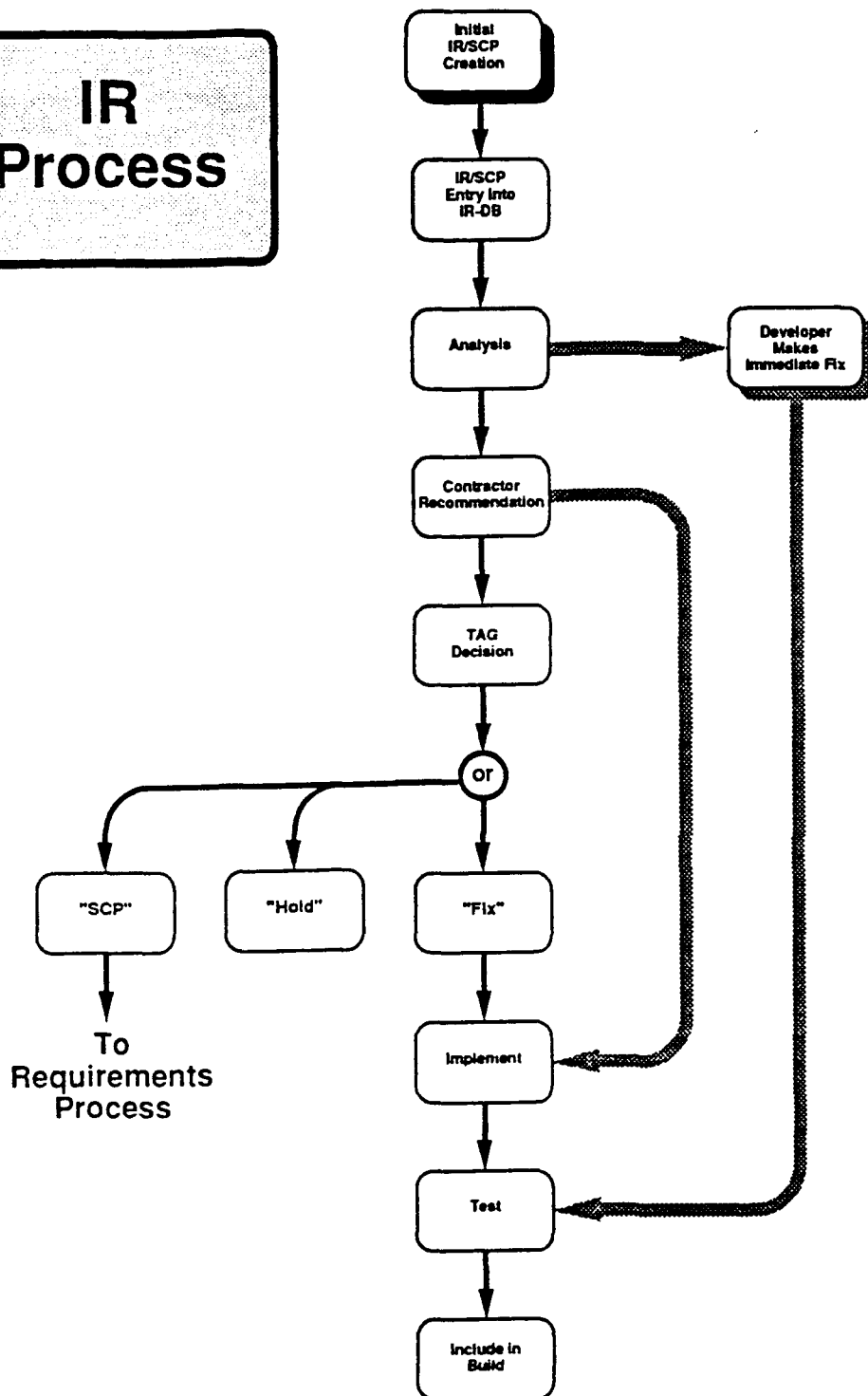
- Point of Contacts
- Support People
- Operational People
- Shipping Information
- Other Pertinent Information

Site HW/SW Configurations

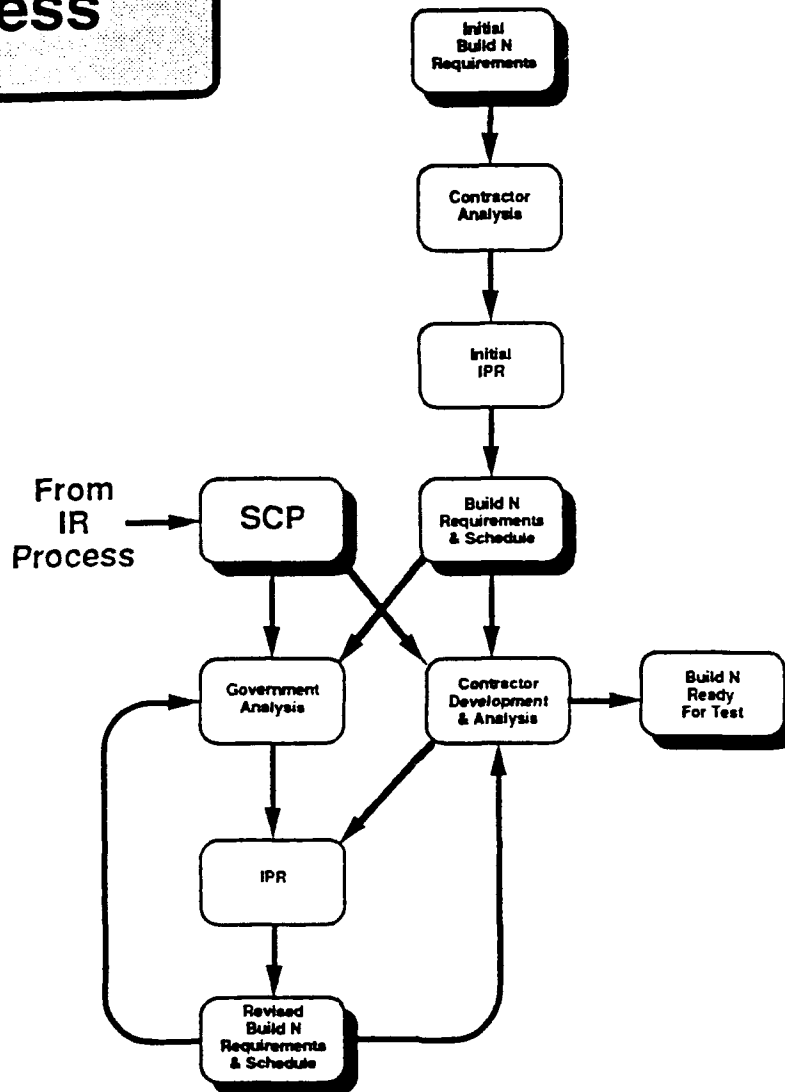
- Hardware with Serial Numbers
- Software with Version Numbers
- DART Software with Build Numbers
- Software Updates
- Period of Maintenance Contracts
- Site Maintenance Notification Status



IR Process



Requirements Process



BugNumber: 282
Project: DART
Release: 3.0
Keywords: bbn-scp-16
Date Reported: 10/15/91 20:50:10
Reported By: berliner
Type: ENHANCEMENT
State: BUG_OPEN

Problem Identification

Control Number: bbn-scp-16
Purpose (IR or SCP): scp
Short Title: Analysis. Retrieve assets from ASSETS tables
Description:

Retrieve assets from ASSETS/CHSTR tables based on mobilization code.

Additional comments:

Origination Identification

Date Submitted:
Orig Name:
Orig Organization:
Orig Phone Number:
Orig Fax Number:

System Environment

Site/Location:
DART Version:
Date/Time of Incident:
Associated Process:

Status

CM Status:
Test Status:
Devel Response:

Analysis

Analysis date: 11-Oct-91
Analyst's name: Dan Cerys
Analysis text:

This is straightforward to do with aircraft, but harder to do with ships, since they are at 10 possible locations. This was part of the initial concept for DART Build 2, but there was not sufficient time to implement it. However, we should determine from the users how important this feature would be before implementing it.

Est cost to complete: \$3.75K

Resources to be used:
Impact on other areas:
Documentation changes required:
Additional comments:

Recommendations

Recommendation date: 11-Oct-91
Recommended priority (Low 1 2 3 4 5 High):
Recommended release:
Program impact:
Additional comments:

TAG Disposition

TAG disposition date:
Disposition (Proceed / Defer / Cancel / SCP):
Scheduled build:
Additional Comments:

Implementation Actions

Implementation date:
Developer name:
Subsystems affected:
Files affected:

Interface windows affected:
Implementation notes:
Additional comments:

Documentation Actions
Documentation date:
Writer name:
Documents affected:
Actions taken:
Additional comments:

Testing Results

Tester name:
Test date:
Test description:
Test results:
Additional comments:



Current Status of Developer Analyses of IR/SCPs

- In preparation for Build 3.1, we have added 26 new IRs and SCPs to the existing DART IR/SCP database
- Reports analyzed:
 - Deferred IRs and SCPs from Builds 1&2 11
 - PFE related IRs and SCPs: 10
 - SCPs in TPFDD Editor 16
 - SCPs in DART Analysis: 10
- Reports analyzed and completed (Ready for test) 3



23/5
236/3
75/1
20159

Report Editor - Changing Text of Report

Exiting editor will update the report.

Display

Save

Print

Quit

Help

Project

Clear

Print

Quit

Help

Project

Clear

Print

Quit

Help

Project

Clear

Print

Quit

Help

Project

Clear

Print

Quit

Help

Project

CONTROL NR: BUILD-I-SCP - 91

PURPOSE: SCP

SHORT TITLE: ADD USERNAME TO TPFDD UPDATES

DESCRIPTION:

CURRENTLY, DART CAPTURES TPFDD UPDATES AND
DISPLAYS THEM UNDER THE "UPDATE CONTROL"
OPTION. INFORMATION DISPLAYED INCLUDES DATE
AND TIME OF THE CHANGE. I RECOMMEND THAT
USERNAME BE INCLUDED, TO INDICATE WHO MADE THE
CHANGES.

DATE SUBMITTED: 5 APR 91

ORIG NAME: W.T. WILSON

ORIG PHONE NR: 624-6660

ORIG ORGANIZ: SRA (FWW HTS)

INCID DATE/TIME: 3 APR/1045

SITE/LOCATION: USTRANSCOM/KANSAS

DART VERSION: 10 MAR/2:32

ASSOC PROCESS: N/A

CH STATUS: FORWARDED TO DBN; FORWARDED TO TCJ5; OPEN

TR TEST STATUS: NOT REQUIRED AT THIS TIME

DEVEL RESPONSE: CONSIDER FOR BUILD III

Updated: Tue Oct 8 18:55:24 1991 By: berliner

Bug Number(s) 92

State: OPEN

Keywords: BUILD-I-SCP-91 ADD USERNAME TO TPFDD UP

Reported By: MDean

Reported: 10/08/91 16:56:58

Project: DATA

Mail to:

Bug text

CONTROL NR: BUILD-I-SCP - 91

PURPOSE: SCP

SHORT TITLE: ADD USERNAME TO TPFDD UPDATES

DESCRIPTION: CURRENTLY, DART CAPTURES TPFDD UPDATES
DISPLAYS THEM UNDER THE "UPDATE CONTROL"
OPTION. INFORMATION DISPLAYED INCLUDES DATE
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ORIG ORGANIZ: SRA (FWW HTS)

INCID DATE/TIME: 3 APR/1045

SITE/LOCATION: USTRANSCOM/KANSAS

DART VERSION: 10 MAR/2:32

ASSOC PROCESS: N/A

Bugs matching query

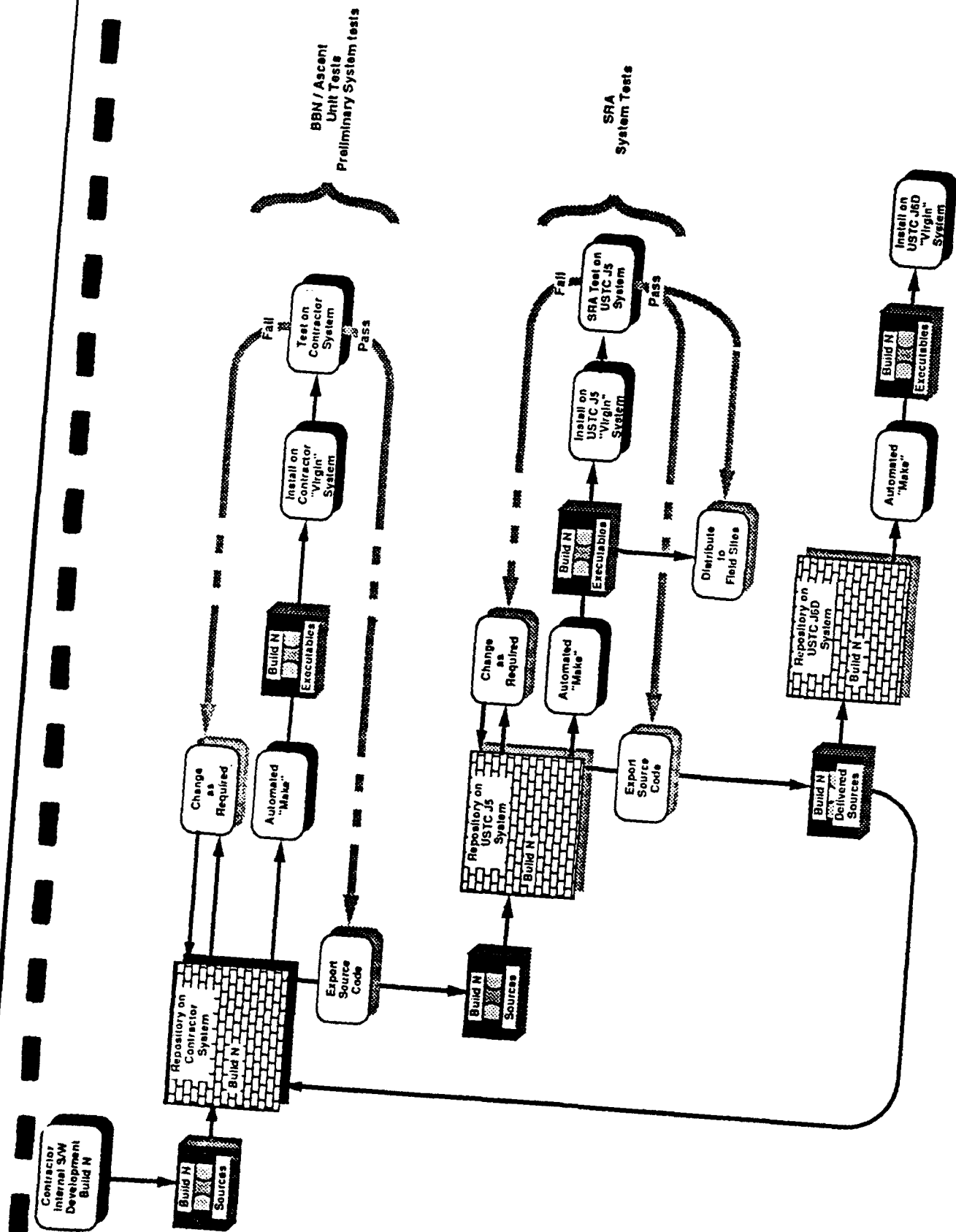
- 9 ENHANCEMENT BUG_CLOSED Reported by MDean on 10/08
- 27 ENHANCEMENT BUG_OPEN Reported by MDean on 10/08
- 47 NONCRITICAL BUG_CLOSED Reported by MDean on 10/08
- 53 NONCRITICAL BUG_CLOSED Reported by MDean on 10/08
- 54 NONCRITICAL BUG_CLOSED Reported by MDean on 10/08
- 56 NONCRITICAL BUG_OPEN Reported by MDean on 10/08
- 85 NONCRITICAL BUG_OPEN Reported by MDean on 10/08
- 92 ENHANCEMENT BUG_OPEN Reported by MDean on 10/08
- 109 NONCRITICAL BUG_CLOSED Reported by MDean on 10/08
- 110 NONCRITICAL BUG_CLOSED Reported by MDean on 10/08
- 120 NONCRITICAL BUG_OPEN Reported by MDean on 10/08
- 125 NONCRITICAL BUG_OPEN Reported by MDean on 10/08

-----End of Bug 92, a00726 (Fundamental)-----



Software Configuration Control process







Build 3 Software Configuration Control -- Current Status

- Dart Build 3 Analysis software currently being installed under RCS on USTC J5S system (Kansas)
- DART Build 3 TPFDD editor software currently being installed under RCS in Cambridge
- TPFDD Editor software to be moved to USTC J5S system next week
- Currently in the process of procuring a SUN loaner as initial USTC J6 CM machine



BUILD III TESTING

7 - 11 OCT 91

- **TPFDD EDITOR**
 - **CREATE TRANSACTIONS**
 - **GENERATE F11 REPORTS**
- **PFE NAVIGATIONAL TEST AND USEABILITY ANALYSIS**
- **IR/SCP REGRESSION TESTING**
- **SITAP**

BUILD III TEST RESULTS

- CREATE TRANSACTIONS
 - .. DATE FORMAT DISCREPANCY
 - .. NO DOWNLOAD FROM JOPEs
- GENERATE F11 REPORTS IN TPFDD EDITOR
 - .. PROVIDE REPORTS ICON
- PFE
 - .. DIFFERENCE IN PFE/RAPIDSIM COMPARE
 - .. QUESTIONABLE SYSTEM ABORTS
 - .. TPFDD UPDATE OPTION INCOMPLETE
 - .. SLOW RESPONSE
- SITAP
 - .. NOT ACCESSIBLE

IR/SCP REGRESSION TESTING

- **TOTAL TESTED**
 - **63 INCIDENT REPORTS**
 - **11 CHANGE PROPOSALS**
- **TOTAL UNRESOLVED / OPEN**
 - **25 INCIDENT REPORTS**
 - **2 CHANGE PROPOSALS**

OPEN IRs AND SCPs

BLD-I-IR

- 35 CHANGES TO DISPLAY MAP (REWRITE)
- 55 ERRORS FOLLOWING TPFDD UPLOAD
- 67 UNNECESSARY RAPIDSIM ERRORS (REWRITE)
- 68 FORCE MODULE DESCRIPTION RECORDS
- 100 WRITE ERROR CONTINUATION
- 125 GRAPHIC PRINTING PROBLEMS

TEST-II-IR

- 4 TIMED OUT ON SELECT TPFDD
- 8 RETRIEVAL "POE OR POD MISSING"
- 15 (1) DATA ERROR IN FAD AND EDD
(2) WRONG LAD /RDD FOR ON-CALL UNITS
(5) MISSING BANNER AND FOOTER
- 16 (1) DISPLAY CHANNELS ON MAP
- 22 LAT/LONG MAP ERROR (TPFDD EDITOR)
- 26 MULTI-USER RETRIEVAL DISPLAY
- 27 TPFDD EDITOR ICON PIXEL ERROR
- 28 (2) OVERWRITE MOUSE DISPLAY LINE
(4) DELETE AND ADD LOCATIONS
- 51 'REQS' AND 'CHANNEL' REPORTS PRINT
- 53 SHIP CARGO TYPE DISTRIBUTION
- 58 CAPS LOCK KEYBOARD LOCK
- 60 VIEW TUCHA MISSING CARGO TYPES
- 62 WATER/POL RQMTS ERROR (TPFDD EDITOR)

OPEN IRs AND SCPs (Continued)

BLD-II-IR

- 26 TPFDD MAP LABEL TOGGLE CHOICE**
- 28 SEA ROUTES OVER LAND**
- 29 ROUTINE RETRIEVAL ERROR**
- 31 LAD-EAD CONDITION ERROR**
- 32 MISSING F11 REPORTS (LANTCOM)**
- 34 FAST EXPORT ERROR**
- 35 ERROR FOLLOWING FAST EXPORT**
- 37 WWMCCS EXPORT ERROR (LANTCOM)**
- 39 PROV ORG CODES (REWRITE)**
- 43 LABEL ALL FAILURE (REWRITE)**

BLD-I-SCP

- 6 TPFDD EDITOR MAP ILOC BUTTON**
- 117 LOAD TO SELECT OPTION CHANGE**

TEST-III-IRs/SCPs

• FUNCTIONS NOT AVAILABLE	-	7
• TPFDD EDITOR	-	5
• RAPIDSIM	-	3
• DART MAIN MENU OPTIONS	-	5
• PFE	-	4
• SCPs	-	11

HIGH PRIORITY RECOMMENDATIONS

- TPFDD EDITOR
 - DATA RELATIONSHIPS
 - SORTING
 - MAP DISPLAY
 - HIDDEN DATA
- RAPIDSIM
 - REPORT EXPANSION
- PFE
 - ONLOAD AND OFFLOAD CONSTRAINTS
 - COTS APPLICATIONS
- DART SITUATION EDITING
 - IMPROVED DATA EDITING

SYSTEM RECOMMENDATIONS

- INCOMPLETE BUILD III REQUIREMENTS
 - INTEGRATE SITAP
 - CREATE/EDIT LEVEL 4 CARGO DETAIL
 - COMPLETE EXPANDED QUERY CAPABILITY
 - UPDATE RAPIDSIM CAPABILITY
 - ENHANCE FORCE MODULE MGT
 - ENHANCE T.E. FROM CONFERENCE INPUT
 - COMPLETE TRANSACTION CAPABILITY
- CONTINUE CLOSURE OF IRS AND SCPs



19 December IPR Agenda

- TRANSCOM Update
- Review of DART installation effort
- Review of Centralized and Site training
- Software Development Status
- Status of IR/SCP Analyses
- Financial Report
- Recap Open Issues

NOTE: A Tag (aka CCB) meeting will follow the IPR





Summary of DART Deployment Results

- First Centralized Training Course Successfully held 26 to 31 October
- DART installed successfully and personnel trained - on Schedule at first six sites
- DART SouthCOM and MAC installations interchanged to keep deployment on schedule
- Second Centralized Training Course being given this week at SRA
- Final four installations for January should be completed on schedule
- A third centralized training session being considered for February





DART Deployment Schedule and Results

Site	Intallation Start date	Comments
• SOCOM	4 November	Completed no problems
• PACOM	12 November	Completed no problems
• FORSCOM	18 November	Had to provide full hardware suite only three days of training possible
• LANTCOM	2 December	Replaced beta system - complete site busy, only two days training
• MSC	2 December	Completed no problems
• MTMC	10 December	Replaced beta system - complete only two days of training needed
• EUCOM	6 January	Hardware shipped 12 December
• MAC	6 January	Hardware to be sent from SRA Site training starting on 21 Jan
• CENTCOM	13 Janaury	Hardware to be received 23 Dec
• SouthCOM	22 January	Hardware to be shipped 20 Dec





Installation Procedure Overview

Divisions of Responsibility

The DART installation procedure is as follows:

	<u>Task</u>	<u>Responsible Party</u>
A. Pre-installation	Security	Site
	Site Survey Form	TRANSCOM/BBN/Site
	Hardware/Software Integration @ BBN	BBN
	System Verification	BBN
	Shipment of Equipment	BBN
	Packing List Box Count	Site
B. Site Installation	Verification of Site Certification	BBN
	Hardware Inspection and Inventory	BBN/Site
	Installation of the SUN workstation and Peripheral Equipment	BBN
	Establish Compatibility with Site WWMCCS/JOPES Software	Site/BBN
	DART System Acceptance Test	BBN, TRANSCOM Representative
C. Acceptance	Acceptance of Hardware & Software (DD1149)	Site TRANSCOM Representative
	DART System Acceptance	
D. Training	Site Training	SRA





DART Deployment Database

Sites

- Site Name
- Site No.
- Address

Site Survey Information

- Point of Contacts
- Support People
- Operational People
- Shipping Information
- Other Pertinent Information

Site HW/SW Configurations

- Hardware with Serial Numbers
- Software with Version Numbers
- DART Software with Build Numbers
- Software Updates
- Period of Maintenance Contracts
- Site Maintenance Notification Status





TRAINING ON SITE

- **COMPLETED:**
FORSCOM - SOCOM - LANTCOM - PACOM - MSC - MTMC
- **SCHEDULED:**
CENTCOM - EUCOM - MAC - SOUTHCOM
- **EFFECTIVENESS DEGRADED DUE TO DUTY REQUIREMENTS**
- **SIXTY NINE PERSONNEL TRAINED OR ORIENTED**
- **WELL RECEIVED - WANT LONGER ON-SITE PROGRAM**
- **REQUESTS FOR ADDITIONAL SYSTEMS**





TRAINING - CENTRALIZED

- 28 OCTOBER - 1 NOVEMBER
10 ATTENDEES (MAC, MSC, USTC, DSSO, SOCOM, PACOM)
- 16-20 DECEMBER
12 ATTENDEES (SOCOM, FORSCOM, SOUTHCOM, JWC, EUCOM, ROME, USTC)
- DSSO RAPIDSIM SUPPORT
- WELL RECEIVED - HIGH LEVEL OF EFFECTIVENESS





TRAINING - LESSONS LEARNED

- CENTRALIZED-DECENTRALIZED STRATEGY IS SOUND
- NEED FOR IMPROVED SITE SURVEY/PRE-INSTALLATION COORDINATION
- SUSTAINMENT TRAINING SUPPORT NEEDED

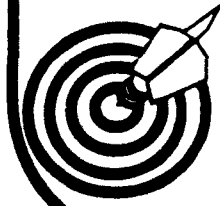




DART DOCUMENTATION

- DOCUMENTED PFE
- CONTINUED SUPPORT TO IR-SCP TRACKING
- AD HOC DEMONSTRATIONS AT USTC
- DRAFT SYSTEM ADMINISTRATION MANUAL





DART - SRA FUTURE WORK

- COMPLETE ON-SITE TRAINING
- TEST SOFTWARE FIXES
- REVISE SYSTEM ADMINISTRATION MANUAL
- UNCERTAIN FUTURE BEYOND 31 JANUARY
 - NO TASKING
 - NO RESOURCES
 - DISINTEGRATION OF DART TRAINING, DOCUMENTATION, AND TESTING TEAM
 - LOSS OF MOMENTUM AND INCREASED RESTART TIME





Software Development Status

- Build 3.01 - a bug fix release - now ready for test
 - Composed of numerous small items identified in 3.0 testing and designated for immediate release.
 - Build 3.01 fixes all critical currently known problems
 - Will be placed on Kansas this week
 - Will be tested by SRA over the holidays
 - No problems in testing are anticipated
 - Will require only errata level modifications of documentation
 - Should be able to be released to January field sites and back fitted to existing sites
- Build 3.1 development status
 - Work on IR/SCPs authorized in last TAG meeting now underway
 - most items are being worked on
 - Progress has been slow due to limited man power
 - Suggest that release date for Build 3.1 be moved to March or April to allow for some incorporation of new sites' IR/SCPs

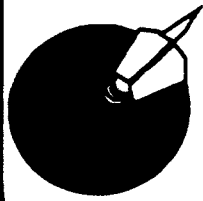




Bugs Fixed in Build 3.0.1

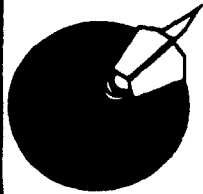
- Changes to Display Map (36)
- Errors following TPFDD upload (56)
- DART Version Entry (111)
- Graphic Printing Problems (126)
- TPFDD Map Label Toggle Choice (156)
- LAD-EAD Condition error (161)
- Missing F11 reports (162)
- Select TPFDD Error (178)
- Four TPFDD Editor Map Problems (202)
- RAPIDSIM Report Printing Error (225)
- View TUCHA Missing Cargo Types (234)
- PFE Non-aggregated ports bug (274)
- TPFDD Editor Transaction Date Formats (304)
- Truncated Prov Org Menu (307)
- Export TPFDD file error (313)
- Open Analysis Sequence Error (316)
- Multiple FM selection error (367)





DART IPR/TAG Meeting December 19, 1991

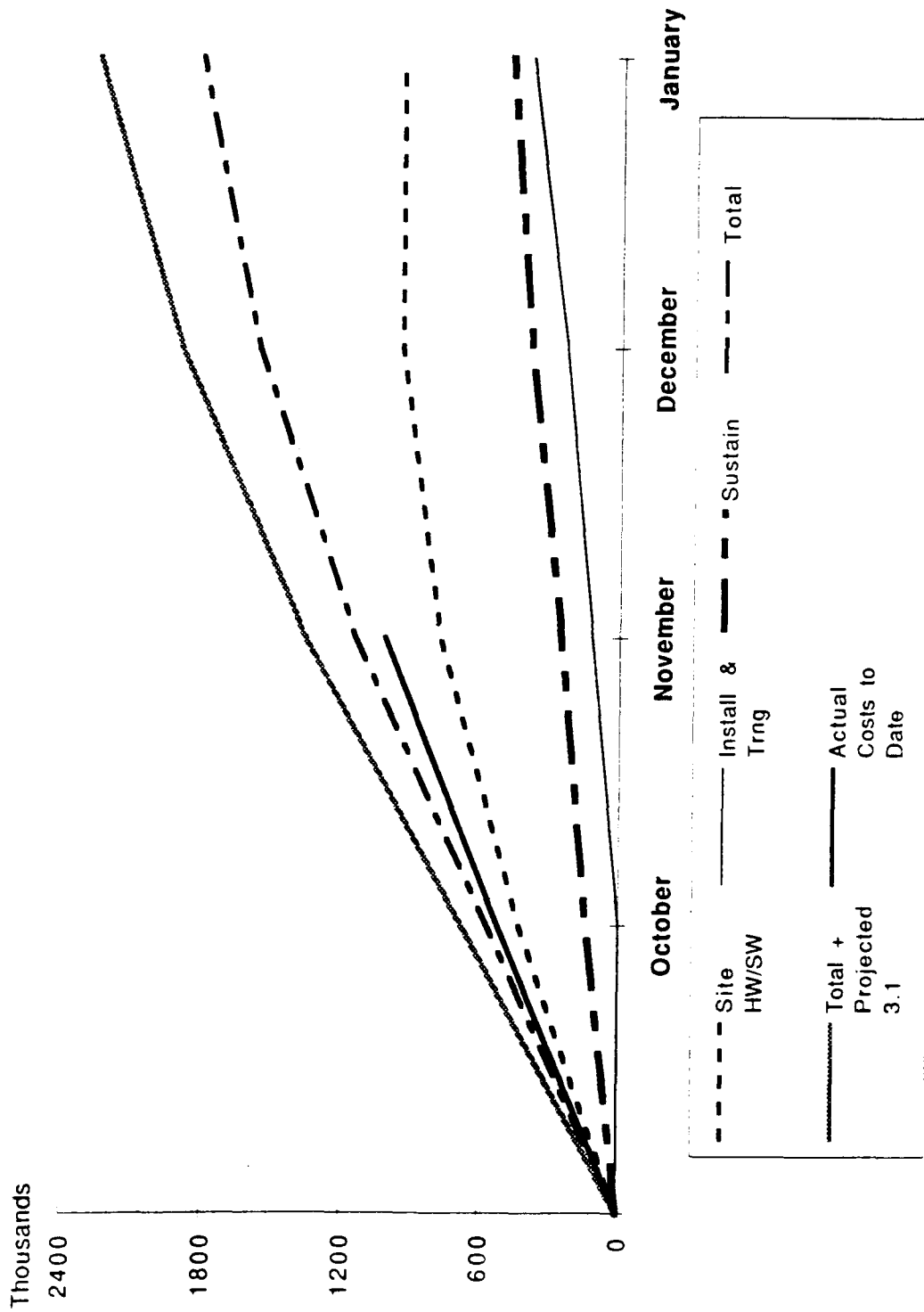
STATUS	IPRs	SCPs
Waiting to Analyze	0	1
In Analysis	21	21
Defer	1	15
Ready for Development Test	3	1
Ready for System Test	18	6
On Hold	3	25
Need Documentation Change	2	2
Waiting TAG Decision	9	39
Can't Reproduce	4	1
Need More Information	0	2
Total	68	117



DART IPR/TAG Meeting December 19, 1991

	<u>Oct. TAG</u>	<u>Current Status of Oct. Items</u>
IRS	29 Active 66 Total Open	10 8 3 3 2 1 1 1 System Test Analysis Waiting TAG Decision Can't Reproduce Development Test Cancelled Underway Needs Documentation
SCPs	2 Active ~100 Total Open	1 1 1 System Test Waiting TAG Decision

FY 92 Initial Spend Plan



TAG DECISIONS

IRs

1 PAGE
SORTED BY PRIORITY

SCPS

3 PAGES
SORTED BY PRIORITY



DART Bug Database



Bug #	Control No.	Short Title	State	Org.	Acclonsee	Devel Status	Priority	TGT Rel	Tag	Dec. Est. Cost
319	IR TEST-III-IR - 16	PFE Vehicle Activity Chart Error	Open	BBN	TAG	Wtg. TAG Decision	1: Highest - ASAP			2.5
236	IR Test-II-IR - 62	TPFDD Editor Water Requirements	Open	Ascent	TAG	Wtg. TAG Decision	2: High - Noncritical			1.0
306	IR TEST-III-IR - 3	Invalid Transportation Source Message	Open	Ascent	TAG	Wtg. TAG Decision	2: High - Noncritical			1.0
101	IR BUILD-I-IR - 100	WRITE ERROR CONTINUATION	Open	BBN	TAG	Wtg. TAG Decision	2: High - Noncritical			.2
318	IR TEST-III-IR - 15	PFE/RAPIDSIM Results Compare	Open	BBN	TAG	Wtg. TAG Decision	2: High - Noncritical			6.0
305	IR TEST-III-IR - 2	Invalid GEOLOC Code Message	Open	Ascent	TAG	Wtg. TAG Decision	3: Medium			4.0
273	IR bbn-ir-7	PFE Simulation. Use STONS or SQFT	Open	BBN	TAG	Wtg. TAG Decision	3: Medium		Hold	3.75
276	IR bbn-ir-10	PFE & Rapidsim. Allow different ship cargo categories	Open	BBN	TAG	On Hold	3: Medium			5.25
288	IR bbn-ir-22	Analysis. Editing asset characteristics is confusing	Open	BBN	TAG	On Hold	3: Medium			7.50
292	IR bbn-ir-26	Analysis. Compare results with different models	Open	BBN	TAG	Wtg. TAG Decision	3: Medium			2.25
341	IR bbn-ir-39	RAPIDSIM Start/Stop parameter not functioning	Open	BBN	TAG	Wtg. TAG Decision	4: Low - Can wait			1.5

#319 TEST-III-IR - 16 PFE Vehicle Activity Chart Error 2.50K\$

PFE BBN

IR Open DCerys

Wtg. TAG Decision Complete within Jan-92

1: Highest - ASAP 12/16DC: Vehicle activity analysis hasn't been added to the PFE model. Most of the info is currently (3.0.1) generated, but some additional info will need to be collected when running the model, before analysis graphs can be defined.

TAG

#236 Test-II-IR - 62 TPFDD Editor Water Requirements 1.00K\$

tpedit Ascent

IR Open

Wtg. TAG Decision 12/13ET: Water should be excluded from CBBL calculations for FM loads. These queries are complex, and internal testing requires careful analysis.

2: High - Noncritical

TAG

#306 TEST-III-IR - 3 Invalid Transportation Source Message 1.00K\$

tpedit Ascent

IR Open

Wtg. TAG Decision Further analysis required, but probably easy.

2: High - Noncritical

TAG

#101 BUILD-I-IR - 100 WRITE ERROR CONTINUATION 0.20K\$

tpdump BBN

IR Open GDenton

Wtg. TAG Decision Potentially hard to make the shell scripts fail safe, especially on full system full errors.

2: High - Noncritical

TAG

#318 TEST-III-IR - 15 PFE/RAPIDSIM Results Compare 6.00K\$

PFE BBN

IR Open DCerys

Wtg. TAG Decision 12/16DC: 3 likely causes: 1) differences in the way reqts are ordered 2) differences in the way situation data is represented 3) PFE requires careful analysis of its simulation to validate its assumptions and operation

2: High - Noncritical

TAG

Bug_No.	Control_No.	Purpose State	Short_Title	DART Bug Database		Page 2
Subsystem	Assigned_To_Org.	Status_Summary	Assigned_To_Person	Estimated_Cost	Tag_Decision	
Devel_Status						
Priority						
Target_Release						
Actions						

#305	TEST-III-IR - 2	IR	Open	Invalid GEOLOC Code Message	4.00K\$	
tpedit						
Wtg. TAG Decision						
3: Medium						
TAG						

12/13ET: Suggestions for solving the problem: 1)Add a button to allow user to recompute the active GEOLOC codes for the TPFDD;2)Add and express retrieval to select records with invalid GEOLOC codes;3)Highlight invalid GEOLOCs on the tozenges. It may be possible to omit invalid GEOLOCs from the active geoloc table when computed, but requires further investigation.

#273	bbn-lr-7	BBN	IR	Open	PFE Simulation. Use STONS or SQFT	3.75K\$	Hold
PFE							
Wtg. TAG Decision							
3: Medium							
TAG							

Maybe complete within December.
12/13DC: Will be completed as part of IFD. The underlying PFE objects now support STONS or SQFT.
Switch on simulator in process.

#276	bbn-lr-10	BBN	IR	Open	PFE & Rapidsim. Allow different ship cargo categories	5.25K\$	
PFE							
On Hold							
3: Medium							
TAG							

12/13DC: Was put on hold in Oct. Now just true/false on the cargo types; change would allow fractions ranging from 0 to 1.

#288	bbn-lr-22	BBN	IR	Open	Analysis. Editing asset characteristics is confusing	7.50K\$	
analysis							
On Hold							
3: Medium							
TAG							

12/13DC: In the current hierarchical representation of the components, expansion to a lower level is irreversible. Change is to make it reversible in a compatible way.

#292	bbn-lr-26	BBN	IR	Open	Analysis. Compare results with different models	2.25K\$	
analysis							
Wtg. TAG Decision							
3: Medium							
TAG							

Complete within January
12/13DC: Comparisons are already allowed for results of like models. This change would be an extension to what's already provided.

Bug_No. Control_No. Purpose State Short_Title

DART Bug Database
Page 3

Subsystem Assigned_To_Org. Assigned_To_Person Estimated_Cost Tag_Decision

Devel_Status Status_Summary

Priority

Target_Release

Actionee

#341 bbn-ir-39

IR

Open

RAPIDSIM Start/Stop parameter not functioning

Analysis

BBN

DCerys

1.50K\$

Wtg. TAG Decision

4: Low - Can wait

TAG

Talk to Ray Snouffer @ DSSO

12/16DC: The stop date is being used in running RapidSim, but the START date is currently ignored.

There is a question of what to do when the user specifies a CDay of other than 0. Requires work on both the input and output ends of RapidSim, and possibly to some of the analysis tools.



DART Bug Database



Bug #	Control No.	Short Title	State	Org.	Actionee	Devel Status	Priority	TGT Rel	Tag	Dec. Est.	Cost
332	SCP bbn-scp-30	TPEDIT. Menu of commonly used routine retrievals	Open	Ascent	TAG	Wtg. TAG Decision	2: High - Noncritical		Re-Analyze	2.0	Rev
333	SCP bbn-scp-31	TPEDIT - Multiple replace all occurrences in all records	Open	Ascent	TAG	Wtg. TAG Decision	2: High - Noncritical		Re-Analyze	8.0	Rev
350	SCP bbn-scp-48	TPEDIT Add origin to destination on map	Open	Ascent	TAG	Wtg. TAG Decision	2: High - Noncritical			5.0	
352	SCP Build-II/III-IR - 57	Add ITC Code	Open	Ascent	TAG	Wtg. TAG Decision	2: High - Noncritical			2.0	
348	SCP bbn-scp-46	Make C-days Into Real Dates	Open	Ascent/ BBN	TAG	Wtg. TAG Decision	2: High - Noncritical			3.0	
255	SCP Test-II-SCP - 17	Two Analyses Compare Graph	Open	BBN	TAG	Wtg. TAG Decision	3: Medium		On Hold	0.75	
267	SCP bbn-scp-1	PFE Simulation. Add more priority levels	Open	BBN	TAG	On Hold	3: Medium	Build 3.1	On Hold	11.25	
272	SCP bbn-scp-6	PFE Timeline. Left mouse button toggle	Open	BBN	TAG	On Hold	3: Medium		On Hold	.75	
281	SCP bbn-scp-15	Analysis. Copy assets and types between situations	Open	BBN	TAG	Wtg. TAG Decision	3: Medium			3.75	
282	SCP bbn-scp-16	Analysis. Retrieve assets from ASSETS tables	Open	BBN	TAG	On Hold	3: Medium		On Hold	3.75	
283	SCP bbn-scp-17	Analysis. Get asset-types from CHSTR tables	Open	BBN	TAG	On Hold	3: Medium		On Hold	3.75	
284	SCP bbn-scp-18	Analysis. Display throughput for selected ports	Open	BBN	TAG	Wtg. TAG Decision	3: Medium			7.5	
286	SCP bbn-scp-20	Analysis. Display throughput for selected channels	Open	BBN	TAG	Wtg. TAG Decision	3: Medium			3.75	
297	SCP Build-II/III-SCP - 49	Update PFE Timeline	Open	BBN	TAG	Wtg. TAG Decision	3: Medium			3.0	
301	SCP Build-II/III-SCP - 53	MR Summary Report Improvements	Open	BBN	TAG	Wtg. TAG Decision	3: Medium			2.0	
102	SCP BUILD-I-SCP - 101	RELATIVE DATE VALUE ADJUSTMENTS	Open	Ascent	TAG	Wtg. TAG Decision	3: Medium			6.0	



DART Bug Database



Bug #	Control No.	Short Title	State	Org.	Actionee	Devel Status	Priority	TGT Rel	Tag	Dec. Est.	Cost
113	SCP BUILD-I-IR - 112	IN-LIST WILD CARD RETRIEVALS	Open	Ascent	TAG	Wtg. TAG Decision	3: Medium				4.0
149	SCP Bld-II-SCP - 19	TUCHA TCC Detail Aggregation	Open	Ascent	TAG	Wtg. TAG Decision	3: Medium				10.0
160	SCP Bld-II-SCP - 30	Display of Cargo Category Types	Open	Ascent	TAG	Wtg. TAG Decision	3: Medium				8.0
243	SCP Test-II-SCP - 5	TPFDD Editor Map Message	Open	Ascent	TAG	Wtg. TAG Decision	3: Medium				.5
294	SCP Build-III-SCP - 46	TPFDD Editor Reports Button	Open	Ascent	TAG	Wtg. TAG Decision	3: Medium				2.0
295	SCP Build-III-SCP - 47	Set Character Fields to Blank	Open	Ascent	TAG	Wtg. TAG Decision	3: Medium				4.0
329	SCP bbn-scp-27	TPEDIT - Create/Edit Level 4 Cargo	Open	Ascent	TAG	Wtg. TAG Decision	3: Medium		On Hold		42/30(Rev)
330	SCP bbn-scp-28	TPEDIT. Saving and Retrieving Stored queries	Open	Ascent	TAG	Wtg. TAG Decision	3: Medium		Re-Analyze		3.07
334	SCP bbn-scp-32	TPEDIT - Create TPFDD Records	Open	Ascent	TAG	Wtg. TAG Decision	3: Medium		Re-Analyze		5.5(Rev)
360	SCP Build-III-SCP - 65	FM Description Text	Open	Ascent	TAG	Wtg. TAG Decision	3: Medium				5.0
247	SCP Test-II-SCP - 9	Reference File Dates	Open	Ascent/ BBN TAG		Wtg. TAG Decision	3: Medium				3.0
41	SCP BUILD-I-SCP - 40	RAPIDSIM LEGEND	Open	BBN	TAG	Wtg. TAG Decision	4: Low - Can wait				3.75Rev
269	SCP bbn-scp-3	PFE Timeline. Show total units/tons selected	Open	BBN	TAG	On Hold	4: Low - Can wait		On Hold		3.75
270	SCP bbn-scp-4	PFE Timeline. Make FMID always visible	Open	BBN	TAG	On Hold	4: Low - Can wait		On Hold		7.5
279	SCP bbn-scp-13	Analysis. Graphs of number & types of assets used	Open	BBN	TAG	On Hold	4: Low - Can wait		On Hold		3.75Rev
280	SCP bbn-scp-14	Analysis. Graphs of percent carrier loaded by channel	Open	BBN	TAG	On Hold	4: Low - Can wait		On Hold		3.75(Rev)

Bug_No.	Control_No.	Purpose	State	Short_Title	DART Bug Database		Page 1
Subsystem	Assigned_To_Org.	Assigned_To_Person	Estimated_Cost	Tag_Decision			
Devel_Status	Priority	Target_Release	Actionee				

#332	bbn-scp-30	Ascent	TPEDIT: Menu of commonly used routine retrievals	2.00K\$	Re-Analyze
Wtg.	TAG Decision				
2: High - Noncritical					
TAG					

#330: bbn-scp-28, should provide most of this functionality. Recommend placing on-hold.
12/13ET: These can be created using the Stored Query Interface. Budget is for creating and testing retrievals; this can be done by users or testers, as well. These queries should be dumped via export and installed as part of the standard installation of DART.

#333	bbn-scp-31	Ascent	TPEDIT - Multiple replace all occurrences in all records	8.00K\$	Re-Analyze
Wtg.	TAG Decision				
2: High - Noncritical					
TAG					

Related to Database consistency maintenance
12/13ET: This presents user-interface challenges, and will require modifications to the various update internals. Will be impacted by the Consistent Database effort.

#350	bbn-scp-48	Ascent	TPEDIT Add origin to destination on map	5.00K\$	
Wtg.	TAG Decision				
2: High - Noncritical					
TAG					

Replaces part of #154: Bld-II-SCP - 24
12/13 ET: Requires mod to menus, map-graphics, and database code for storing active geolocs.

#352	Build-IV/III-IR - 57	Ascent	Add ITC Code	2.00K\$	
Wtg.	TAG Decision				
2: High - Noncritical					
TAG					

12/13ET: Adding to map is easy, but mouse-doc line space may be tight on Chart.

#348	bbn-scp-46	Ascent	Make C-days Into Real Dates	3.00K\$	
Miscellaneous	BBN	DCerys			
Wtg.	TAG Decision				
2: High - Noncritical					
TAG					

Replaces part of #154: Bld-II-SCP - 24
12/13ET: This is pretty simple, but would not allow storage in the DB.

Bug_No. Control_No. Purpose State Short_Title DART Bug Database Page 2
Subsystem Assigned_To_Org. Assigned_To_Person Estimated_Cost Tag_Decision
Devel_Status Status_Summary
Priority
Target_Release
Actionee

#255 Test-II-SCP - 17 SCP Open Two Analyses Compare Graph
Analysis BBN DCerys 0.75K\$
[Wtg. TAG Decision] [On Hold]
3: Medium
TAG

#267 bbn-scp-1 SCP Open PFE Simulation. Add more priority levels
PFE BBN DCerys 11.25K\$
[On Hold]
3: Medium
Build 3.1
TAG

#272 bbn-scp-6 SCP Open PFE Timeline. Left mouse button toggle
PFE BBN DCerys 0.75K\$
[On Hold]
3: Medium
TAG

#281 bbn-scp-15 SCP Open Analysis. Copy assets and types between situations
Analysis BBN DCerys 3.75K\$
[Wtg. TAG Decision]
3: Medium
TAG

#282 bbn-scp-16 SCP Open Analysis. Retrieve assets from ASSETS tables
Analysis BBN DCerys 3.75K\$
[On Hold]
3: Medium
TAG

Bug_No. Control_No. Purpose State Short_Title **DART Bug Database** Page 3
Subsystem Assigned_To_Org. Assigned_To_Person Estimated_Cost Tag_Decision
Devel_Status Status_Summary
Priority
Target_Release
Actionee

#283 bbn-scp-17 ☐ SCP ☐ Open ☐ DCerys Analysis. Get asset-types from CHSTR tables 3.75K\$ ☐ On Hold
Analysis ☐ On Hold
Wtg. TAG Decision
3: Medium
TAG

#284 bbn-scp-18 ☐ SCP ☐ Open ☐ DCerys Analysis. Display throughput for selected ports 7.50K\$ ☐
Analysis ☐ On Hold
Wtg. TAG Decision
3: Medium
TAG

#286 bbn-scp-20 ☐ SCP ☐ Open ☐ DCerys Analysis. Display throughput for selected channels 3.75K\$ ☐
Analysis ☐ On Hold
Wtg. TAG Decision
3: Medium
TAG

#297 Build-II/III-SCP - 49 ☐ SCP ☐ Open ☐ DCerys Update PFE Timeline 3.00K\$ ☐
PFE ☐ On Hold
Wtg. TAG Decision
3: Medium
TAG

#301 Build-II/III-SCP - 53 ☐ SCP ☐ Open ☐ DCerys MR Summary Report Improvements 2.00K\$ ☐
Analysis ☐ On Hold
Wtg. TAG Decision
3: Medium
TAG

#102 BUILD-I-SCP - 101
SCP Open
RELATIVE DATE VALUE ADJUSTMENTS
tpedit Ascent
6.00K\$

Wtg. TAG Decision
12/13ET: Requires difficult SQL changes, and menu adjustments.
3: Medium
TAG

#113 BUILD-I-IR - 112
SCP Open
IN-LIST WILD CARD RETRIEVALS
tpedit Ascent
4.00K\$

Wtg. TAG Decision
Not included by SRA as Open ??? Not supported by SQL. Perhaps it can be done anyway.
12/13ET: Not supported by SQL, would require some work to accomplish via multiple OR statements.
3: Medium
Users can create their own multiple ORed LIKE statements to accomplish the same thing using the query-tree interface. Should be changed to SCP
TAG

#149 Bld-II-SCP - 19
SCP Open
TUCHA TCC Detail Aggregation
tpedit Ascent
10.00K\$

Wtg. TAG Decision
12/13ET: Propose hierarchical display. Will require creation of additional SQL to perform roll-up, and design and implementation of appropriate interface. Could serve as a model for Create/Edit Level 3/4 Interface.
3: Medium
TAG

#160 Bld-II-SCP - 30
SCP Open
Display of Cargo Category Types
tpedit Ascent
8.00K\$

Wtg. TAG Decision
12/13ET: Break out FM loads by Bulk, Over, and Out cargo. Requires modification of extremely complex SQL, histogram internals, graphics code, and capability line display and storage.
3: Medium
TAG

#243 Test-II-SCP - 5
SCP Open
TPFDD Editor Map Message
tpedit - Map Ascent
0.50K\$

Wtg. TAG Decision
12/13ET: Report to user when no data exists for GEOLOC, instead of being silent.
3: Medium
TAG

#294 Build-III-SCP - 46 [SCP] [Open] TPFDD Editor Reports Button 2.00K\$
tpedit
Wtg. TAG Decision
3: Medium
TAG

#295 Build-III-SCP - 47 [SCP] [Open] Set Character Fields to Blank 4.00K\$
tpedit
Wtg. TAG Decision
3: Medium
TAG

#329 bbn-scp-27 [SCP] [Open] TPFDD - Create/Edit Level 4 Cargo 4,230.00K\$
tpedit
Wtg. TAG Decision
3: Medium
TAG

#330 bbn-scp-28 [SCP] [Open] TPFDD. Saving and Retrieving Stored queries 3.07K\$
tpedit
Wtg. TAG Decision
3: Medium
TAG

#334 bbn-scp-32 [SCP] [Open] TPFDD - Create TPFDD Records 5.50K\$
tpedit
Wtg. TAG Decision
3: Medium
TAG

#360 Build-IV/III-SCP - 65 ☐ SCP ☐ Open ☐ FM Description Text 5.00K\$

ipedit

Related to #69: BUILD-I-IR - 66

Wtg. TAG Decision

12/13ET: This will require changes to system internals, as well as SQL and user-interface development.

3: Medium

TAG

#247 Test-II-SCP - 9 ☐ SCP ☐ Open ☐ Reference File Dates 3.00K\$

ipedit & Analysis

Ascent/ BBN Ascent

Wtg. TAG Decision

12/13ET: The loaded TUCHA data as well as the date of the correct TUCHA for each TPFDD, is stored in the database, but no referenced. Could provide a warning at load time if the TPFDD TUCHA date is not the same as the loaded TUCHA. The GEOLOC date is not stored, and there is no reference date in the TPFDD. Requires mods of the GEOLOC schema and displaying data on screen.

3: Medium

TAG

#41 BUILD-I-SCP - 40 ☐ SCP ☐ Open ☐ RAPIDSIM LEGEND 3.75K\$

Analysis

BBN DCenys

Wtg. TAG Decision

12/13DC: Legends exist in all the graphs, but they need to be added to the graph.

4: Low - Can wait

TAG

#269 bbn-scp-3 ☐ SCP ☐ Open ☐ PFE Timeline. Show total units/tions selected 3.75K\$

PFE

BBN DCenys

On Hold

12/13DC: Need to add new display function which sums up the information requested. Very useful feature for showing the user where they're at in the process, e.g. how big the force module will be before the analysis is done (#selected units/packs,etc.)

4: Low - Can wait

TAG

#270 bbn-scp-4 ☐ SCP ☐ Open ☐ PFE Timeline. Make FMID always visible 7.50K\$

PFE

BBN DCenys

On Hold

12/13DC: Would allow the user to know what Force Module they're in. Change the display so that the Force Module doesn't scroll while the units scroll.

4: Low - Can wait

TAG

#279 bbn-scp-13

Analysis

BBN

SCP

Open

Analysis. Graphs of number & types of assets used

3.75K\$

On Hold

12/13DC: 3.0k for quick prototype to provide graphs by assets/utilization on an asset level. Based on user feedback, may reimplement later.

4: Low - Can wait

TAG

#280 bbn-scp-14

Analysis

BBN

SCP

Open

Analysis. Graphs of percent carrier loaded by channel

3.75K\$

On Hold

12/13DC: Another view of #279 - If do one, should do both since the Implementation will be shared. Initial prototype would be implemented

4: Low - Can wait

TAG

#4 BUILD-I-SCP - 3

tpedit

Ascent

SCP

Open

MISSING SQFT DATA

2.00K\$

Wtg. TAG Decision

12/13ET: Add this query to pre-defined retrievals.

4: Low - Can wait

TAG

#72 BUILD-I-SCP - 71

tpedit

Ascent

SCP

Open

DAILY THROUGHPUT DISPLAY

12.00K\$

Wtg. TAG Decision

Display daily cargo throughput per port similar to FM load display. Requires extensive SQL queries, graphics and integration with map.

4: Low - Can wait

TAG

#90 BUILD-I-SCP - 89

tpedit

Ascent

SCP

Open

CARGO CATEGORY ANALYSIS

6.00K\$

Wtg. TAG Decision

12/13ET: Should be combined with #72.

4: Low - Can wait

TAG

#107 BUILD-I-SCP - 106 SCP Open REQUIREMENT TO FM CROSS-REFERENCE

tpedit Ascent 1.50K\$

Wtg. TAG Decision

4: Low - Can wait

TAG

12/13ET: Popup display of FMs to which a requirement belongs, with possible additional operations.

#132 Bid-II-SCP - 2 SCP Open ULN Events Log

tpedit Ascent 1.50K\$

Wtg. TAG Decision

4: Low - Can wait

TAG

Will be incorporated into new multi-user DART functionality.
12/13ET: Prepare list of updates make to a particular ULN. Note that this info is not always very specific. Display in a popup.

#136 Bid-II-SCP - 6 SCP Open FM Requirements in Target TPFDD

tpedit Ascent 4.00K\$

Wtg. TAG Decision

4: Low - Can wait

TAG

12/13ET: Provide a menu of target TPFDD FMs, with option to redefine or append when copying.

#196 Test-II-IR - 22 SCP Open TPFDD Editor Map Error

tpedit Ascent 4.00K\$

Wtg. TAG Decision

4: Low - Can wait

TAG

12/13ET: Allowing input & display of Lat. and Lon. using NSEW in addition to + and - requires significant effort to modify all the places where this data is used (the map, the query system, mouse documentation, and view)

#244 Test-II-SCP - 6 SCP Open TPFDD Editor Map ILOC Button

tpedit Ascent 0.50K\$

Wtg. TAG Decision

4: Low - Can wait

TAG

12/13ET: Change ILOC query button to have purple octagon shape.

Bug_No. Control_No. Purpose State Short_Title

DART Bug Database
Page 9

Subsystem

Assigned_To_Org.

Assigned_To_Person

Estimated_Cost

Tag_Decision

Devel_Status

Status_Summary

Priority

Target_Release

Actionee

#261

Test-II-SCP - 23

SCP

Open

Mouse Button Consistency

tpedit & Analysis

Ascent/ BBN

GDorlon/Ascent

15.00K\$

Wtg. TAG Decision

4: Low - Can wait

12/13ET: General reworking of menu technology is in order - existing software needs retrofit to existing menus. This will provide a Do It and Cancel option for every menu in the TPFDD Editor. Ascent to do this, then BBN to evaluate what BBN will do. There will be an additional impact on documentation, as well.

TAG

#293

Build-II/III-SCP - 45

SCP

Open

Red Flags in Miniature Window

tpedit

Ascent

Ascent

1.50K\$

Wtg. TAG Decision

5: Lowest - Defer

The flags would probably be too small. Recommend cancel this SCP.

12/13ET: Flags may be too small to see, but can try.

TAG