

The Challenge for V0 DAAC

- ü Many small projects
- ü Short schedules
- ü Mostly maintenance
- ü Hero-based legacy
- ü Product is data handling, not software
- ü Frequent feasibility & prototype exploring



Goals & Constraints

- ∅ Minimum bureaucracy
- ∅ Easy, simple tracking & status entry
- ∅ Flexible custom event entries
- ∅ Online web access
- ∅ Extractable summaries



The Tools

- ∅ Internal web server for repository of shared products
- ∅ Policies, processes, and procedures online
- ∅ Dynamic Status Data Base (DSDB) for tracking

Tool 1: Shared Repository

- ü Finished Products
- ü Collaborative Works
In Process
- ü Prior Versions of
Updated Products
- ü Meeting Minutes



Tool 2: Online PPP Docs

- ü Policies

- ü Processes

- ü Procedures



Tool 3: Dynamic Status Data Base

- ü Planning, tracking, status reporting online
- ü Manager setup at period start
- ü Tech leads provide status updates
- ü Quick updates via point-and-click
- ü Public web viewing & on-demand summary reports



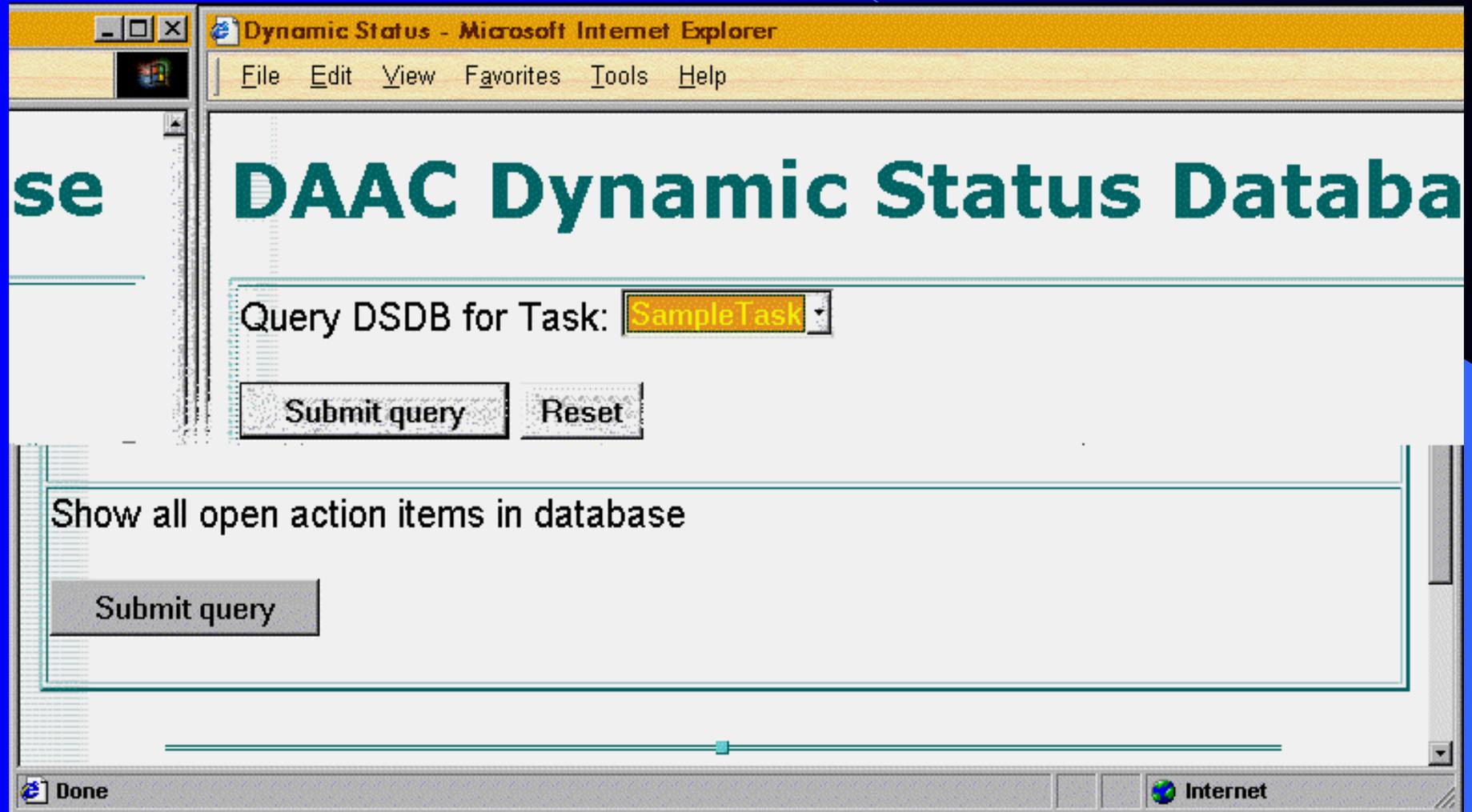
Results (1 of 2)

- Heroes fully accepted the repository and the DSDB tool concept as an improvement
- Tracking and status greatly improved, but developers need constant shepherding to make updates

Results (2 of 2)

- Online processes and procedures no silver bullet for getting them read; still need explicit training
- First implementation useful, but more refinement needed

DSDB - Screen 1



DSDB - Screen 2

Job History - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Job History of [SampleTask-ProdMgmt]

Title: Product management tool
Points: 4
Incentive Work Backlog? False
Passive (on hold)? False
Notes: GUI for managing INVENTORY, ASSEMBLY table contents
Required Completion Date: 3/31/00
Completion Date Triage: Essential
Lead: Mark Carle
Mentor/Aide:
Estimated Effort: 5 staff-weeks
Estimated Completion Date: 2/9/00
Actual Completion Date: 1/28/00
Actual Effort: 2.6 staff-weeks
Epilogue for PBC Report:

[Change task](#)

[Change query on \[SampleTask\]](#)

[Go to work assigned to "Mark Carle"](#)

[Change query on \[SampleTask-ProdMgmt\]](#)

[Show all work products of \[SampleTask-ProdMgmt\]](#)

[Show open action items of \[SampleTask-ProdMgmt\]](#)

Technical Events

Event Date	Event	Completed?	Entry Date
1/28/00	Done.	True	9/8/00 2:26:17 PM
1/18/00	Darnell checking on problem with group product definition window; may also need new Discipline definition. {2}	False	9/8/00 2:17:18 PM
1/18/00	Demo to Darnell Tabb; new requirement added, file permission problem detected, PC configuration issue encountered, default printer determined	False	9/8/00 2:14:37 PM
1/5/00	Estimated 5 staff-weeks (was 8), delivery 2/9/00. Should be able to do substantial reuse of IMCS tool for GUI.	False	9/8/00 1:58:17 PM

Click on any column heading to sort by that column.

Internet

DSDB - Screen 3

Work Product List - Microsoft Internet Explorer

File Edit View Favorites Tools Help

All Work Products of [SampleTask-ProdMgmt]

Navigate elsewhere:

Change task

Change query on [SampleTask]

Go to work assigned to "Mark Carle"

Change query on [SampleTask-ProdMgmt]

Job History for [SampleTask-ProdMgmt]

Click any highlighted field to update.

<i>Work Prod*</i>	<i>Staff</i>	<i>Due Date</i>	<i>Estimates</i>	<i>Peer Review</i>	<i>Status/Complete §</i>	<i>Notes</i>
<i>Code</i>	Mark Carle	3/31/00	-	no	--	
<i>Des</i>	Mark Carle	3/31/00	-	no	--	
<i>Req</i>	Mark Carle	3/31/00	-	no	--	
<i>TestPl</i>	Mark Carle	3/31/00	-	no	--	
<i>TestRpt</i>	Mark Carle	3/31/00	-	no	--	

Add new work product

* Formal deliverables marked in ***bold italics***. Click on entries in this column to get history of all events for that work product or to add events.

§ Status outlooks: ☺ = good, ☹ = fair, ☹ = poor.

Click [here](#) for a copy of the work products table formatted for use in Software Development Plans.

Done Internet

DSDB - Screen 4

Update Status for Work Product - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Example Task #10491010 Req

Job required by: 3/31/00 (Essential)
Current estimated delivery date: 2/9/00
Job started: 1/3/00

Mark Requirements Changed

Update date:

Change impact: Severe High Medium Low Trivial None Negative

Number of requirements added: , changed , deleted

Total number of requirements:

Notes, if any (up to 200 characters; don't enter carriage returns, let text wrap):

Done Internet

DSDB - Screen 5

Microsoft Internet Explorer - Create Action Item for [SampleTask-ProdMgmt]

Create Action Item for [SampleTask-ProdMgmt]

Job lead: Mark Carle

Description:
Up to 250 characters; don't enter carriage returns, let text wrap

Darnell checking on problem with group product definition window; may also need new Discipline definition.

Initiation date:
Will assume current year if omitted

1/18

Due date:
Or other date by which action expected

1/20

Accepted by:
Leave blank until you have discussed this with the person taking on the action item.

Engineering staff member and/or other person/group
Darnell Tabb

Initiated by:

Engineering staff member and/or other person/group
Mark Carle

Create Action Item Reset

Done Internet