



Pegasus

&

CAPS

**Two Systems Acting as One:
The Future of NNSA Issues Management**



Why should this be the future for NNSA Issues Management?



- ❖ Improves ISM and QA
 - ❖ Site office and contractors are working on the same issues with the same priorities.
 - ❖ Timely and effective resolution of issues.
 - ❖ Ensures accountability
- ❖ Improves operational efficiency
 - ❖ Paperless operations
 - ❖ Almost all activities performed online
- ❖ Can be enhanced to meet HQ informational needs
- ❖ Potential for seamless communications between all sites and HQ



BWXT Corrective Action Planning System (CAPS)



- ❖ CAPS went into production in 2001
- ❖ Web Based system used solely to track commitments/issues and their associated action plans
- ❖ Developed in house after benchmarking was performed on various Commercial Off the Shelf systems.
 - ❖ Preserved access to 10 years of data – over 20,000 issues/commitments from previous tracking system
 - ❖ Maintained flexibility/adaptability of program to meet future needs
 - ❖ For example, added PAAA Screening tools in 2003
- ❖ Approximately 1000 commitments/issues are presently open in CAPS
 - ❖ Approximately 175 commitments/issues are associated with YSO identified issues



Pegasus

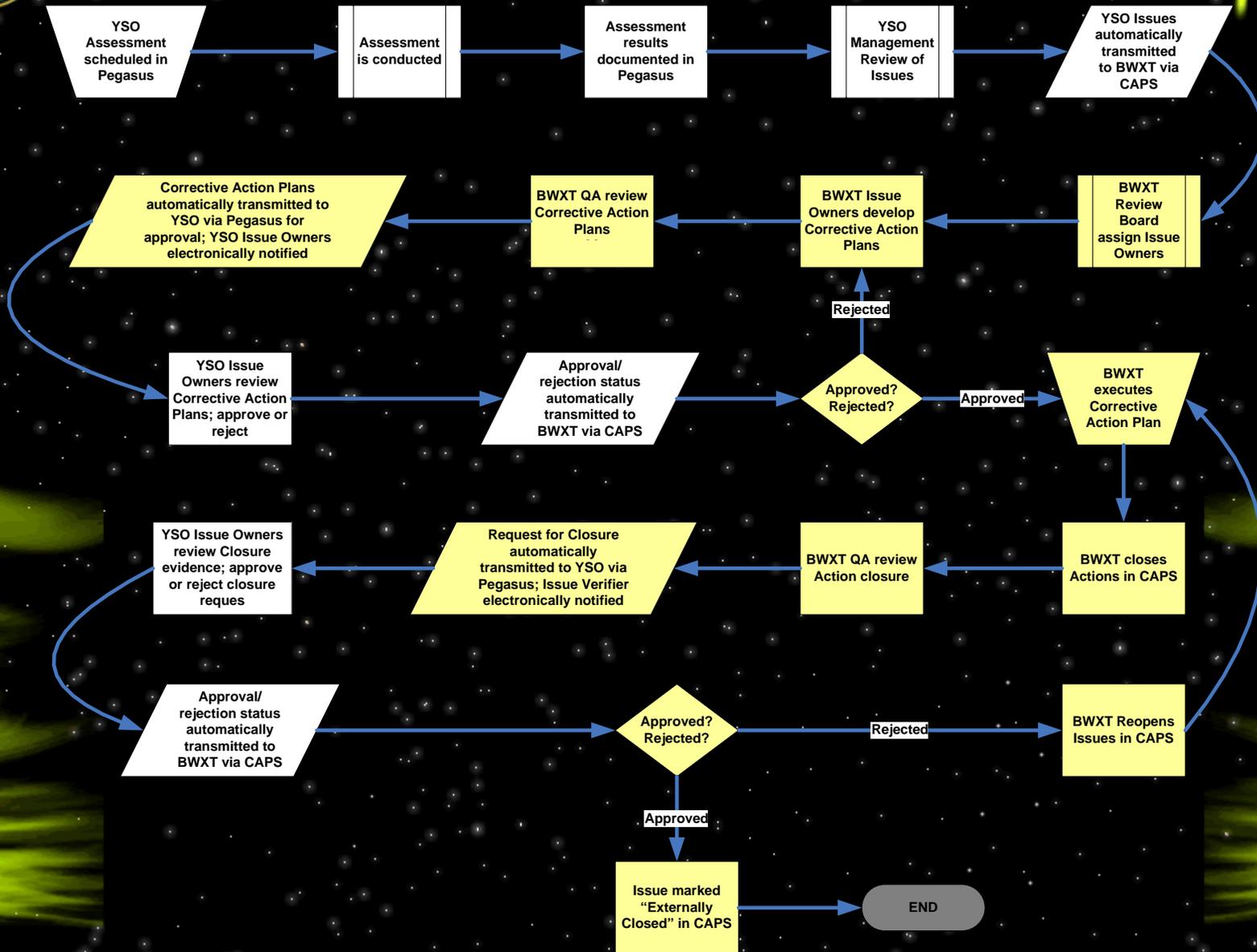
The YSO Information Mgmt. System



- ❖ *Pegasus* launched during Summer 2004 to replace DTS.
- ❖ Features:
 - ❖ 3 tier solution for scheduling, tracking, and trending issues management information.
 - ❖ Assessment Reports, Issues, internal Actions, and Lessons Learned are generated and/or maintained entirely in *Pegasus*. This allows for easier tracking, trending, searching, and archiving.
 - ❖ Paperless assessment reporting & issues management



Y-12 Issues Mgt. Process





Highlights of Interface between CAPS and Pegasus



- ❖ YSO Issue and Assessment Report information is available in real-time to BWXT desktops.
- ❖ Action information and additional Issue trending data is available in real-time to YSO desktops.
- ❖ Corrective Action validation and verification is tracked automatically between the two systems.
- ❖ The software handles all notifications via email and system alerts. No manual emails, phone calls, or paper are necessary to initiate and perform actions.



How does it work?

- ❖ *Pegasus* and *CAPS* communicate through the use of web service technology.
- ❖ Why web services?
 - ❖ YSO and BWXT each retain total control over their respective systems, source code, funding, etc.
 - ❖ Web services can be used by any programming language and in most cases ignores firewalls and platform barriers.
 - ❖ Systems with no apparent technological commonality may be easily interfaced by providing a communications protocol.
- ❖ Web services utilize XML technology which has become the standard for data exchange in the business community.



Efficiencies Gained through Web Services



- ❖ Reduced administration costs
 - ❖ 90% of YSO issue information is entered automatically into CAPS (BWXT will only be required to assign responsible person and organization)
 - ❖ Paperless system
 - ❖ All routine communications are automated
 - ❖ Verification and validation processes are now fully automated and standardized.
- ❖ BWXT Issue Owners have desktop access to full assessment report not just finding information
- ❖ YSO Responsible owners have real-time desktop access to BWXT corrective action plans and status.



Cost Savings



- ❖ 1 week reduction in YSO Monthly Assessment Report preparation time
- ❖ Reduction of paper copies
- ❖ Elimination of manual copy & paste from CAPS to DTS and MAR to CAPS
- ❖ Elimination of daily manual CAPS - DTS batch uploads
- ❖ Comprehensive and real time data on employee desktops eliminates delays associated with requesting and receiving additional information, full report texts, and issue responses



CAPS Screenshot

CAPS Issue Page - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Home Search Favorites Media Mail Print Mailbox

Address <https://prodcaps.y12.doe.gov/ProdCaps/ISSUE.asp?Action=search> Go Links >>

(ISSUE) CAPS Read-Only		YSO Validator Rejected	BWXT Y-12 CAPS
Display Associated IAR		Display YSO Issue Info	
Source ID:	S0005858 >>S0005858	Issue ID: I0050408	Issue Type: DI
Issue Level:	B	Edit/View PAAA Screening Form	
Significance Determination Date:	10/13/2004	Site:	Y12
Ref ID:(1)(1) ISS-OM-8/11/2004-14087			
Identification Date:(10)(9)		Identification Time:(10)(9)	
Status:	CL	Status Tracking Due Date: 11/1/2004	
Building ID:(7)(6)		Building Details/Plant Area:(9)(8)	
Resp Person:	E039793 Baker, Daniel	Assisted By:	E025726 GAINES, MARY
Resp Org:			
Directorate:	Safeguards and Security Div		
Title:(14)(13)	Y-12 ACREM Accountability Process		
Restart Related:		Requirement ID:	DOE M 471.2-
Issue Description:(16)(15)			
Issue #: ISS-OM-8/11/2004-14087, Parent Report: REP-OM-8/11/2004-21023			
Issue Statement			



Pegasus Screenshot



Welcome to Pegasus! - Microsoft Internet Explorer

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Address <http://nnsacaps.y12.doe.gov/Orion2/Index.htm?Type=Report&ID=REP-OM-11/3/2004-71115> Go Links >>

YSO Information Management System

PEGASUS

Version 1.0
Developed By
Travis Howerton

This site was designed to be viewed at a screen resolution of at least 1024 * 768 in Internet Explorer 5.5+

Contractor Issue

Issue #	<input type="text" value="ISS-AB-10/5/2004-10184"/> *	<input type="button" value="Save Edit"/>
Issue Owner	<input type="text" value="McDonald, Jay"/>	
Site	<input type="text" value="Y-12"/>	<input type="button" value="Add Action(s)"/>
Responsible Organization (YSO)	<input type="text" value="Authorization Basis (AB)"/> *	<input type="button" value="View Actions"/>
Other Tracking System?	<input type="text" value="Other"/>	<input type="button" value="Attachments"/>
Other Tracking #	<input type="text" value="CM-1"/>	<input type="button" value="Add Another Issue"/>
Issue Title	<input type="text" value="Confined space tracking system"/> *	<input type="button" value="Add Lesson Learned"/>
Issue Statement (Concern or Proficiency)	<input type="text" value="The Confined Space tracking program is ineffective in identifying and tracking the CAAS confined spaces."/> *	<input type="button" value="Copy Issue"/>
Requirement(s) Not Met	<input type="text" value="Y52-53-SO-031A ANSI 8.3"/>	



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[Feedback](#)