

**United States Government Accountability Office** 

Report to the Subcommittee on Financial Services and General Government, Committee on Appropriations, U.S. Senate

January 2008

# OFFICE OF PERSONNEL MANAGEMENT

Improvements Needed to Ensure Successful Retirement Systems Modernization





Highlights of GAO-08-345, a report to the Subcommittee on Financial Services and General Government, Committee on Appropriations, U.S. Senate

### Why GAO Did This Study

Through its Retirement Systems Modernization (RSM) program, the Office of Personnel Management (OPM) is modernizing the paper intensive processes and antiquated information systems it uses to support the retirement of civilian federal employees. RSM is intended to deploy new or modified systems beginning in February 2008 to improve the efficiency and effectiveness of the agency's retirement program. GAO was asked to (1) determine whether OPM is effectively managing the RSM program to ensure that system components perform as intended and (2) evaluate the risks, cost, and progress of the RSM program. To meet these objectives, GAO analyzed program documentation against relevant plans, policies, and practices.

#### What GAO Recommends

To improve the management of RSM and reduce the risks to successful system deployment, GAO is making recommendations to the Director of the Office of Personnel Management, including conducting effective system tests, resolving system defects, and improving cost estimating and earned value reporting. In written comments on a draft of this report, the Director of OPM expressed her appreciation of GAO's insightful recommendations and stated that the agency is taking steps to address them.

To view the full product, including the scope and methodology, click on GAO-08-345. For more information, contact Valerie C. Melvin at (202) 512-6304 or melvinv@gao.gov.

## OFFICE OF PERSONNEL MANAGEMENT

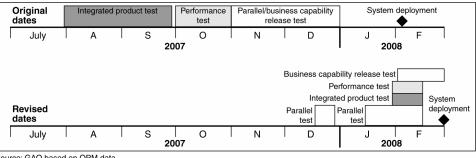
### Improvements Needed to Ensure Successful **Retirement Systems Modernization**

### What GAO Found

In executing the RSM program, OPM has improved its management processes for selecting contractors, defining system and security requirements, managing risks, planning organizational change, and providing program executive oversight. The agency also recently established performance targets for the improvements to retirement processing accuracy and timeliness that it expects the program to achieve and established an independent verification and validation capability. However, the agency's management of RSM in areas that are important to successful deployment of new systems has not ensured that system components will perform as intended. Specifically, initial test results do not provide assurance that a major system component will perform as intended. In addition, OPM's system testing schedule has been compressed, and upcoming tests are to be conducted concurrently, increasing the risk that the agency will not have sufficient resources or time for testing (see figure below). Further, trends in identifying and resolving system defects indicate a growing backlog of problems to be resolved prior to deployment.

Although OPM has established a risk management process that has identified program risks, the agency has not reliably estimated RSM's cost or reported progress. In particular, the reliability of the program's revised life-cycle cost estimate of \$421.6 million is questionable because the agency could not support the estimate with a description of the system to be developed and a description of the methodology used to produce the estimate. Also, the agency's reporting of RSM progress—based on the satisfaction of established program goals and the calculation of variances from the planned cost and schedule—has not reflected the state of the program. With respect to goals, the agency reported that it had met its fiscal year 2007 goals, including completing the imaging of paper-based retirement records and beginning training. While OPM's reporting that it satisfied program goals provided a favorable view of progress, this view did not include program areas for which the agency had not established goals. With respect to program cost and schedule variances, OPM reported in October 2007 that the program was progressing almost exactly as planned. However, the agency's reported favorable view of program progress was not consistent with the state of the program.

#### **RSM Original versus Revised Test Schedule**



Source: GAO based on OPM data.

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### Abbreviations

CIS	Center for Information Services
CSRS	Civil Service Retirement System
DBTS	defined benefits technology solution
EVM	earned value management
FERS	Federal Employees Retirement System
IV&V	independent verification and validation
OPM	Office of Personnel Management
PMB	performance measurement baseline
RSM	<b>Retirement Systems Modernization</b>
UAT	user acceptance test
	-

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United States Government Accountability Office Washington, DC 20548

January 31, 2008

The Honorable Richard Durbin Chairman The Honorable Sam Brownback Ranking Member Subcommittee on Financial Services and General Government Committee on Appropriations United States Senate

The Office of Personnel Management (OPM) is modernizing the paper intensive processes and antiquated systems it uses to support the retirement of civilian federal employees. According to OPM, existing processes and systems make providing timely and accurate benefit payments to retirees and their families increasingly difficult and must be improved before an expected increase in the number of retirements occurs. The Retirement Systems Modernization (RSM) program is intended to remedy this situation with the deployment of new or modified systems beginning in February 2008, and full deployment planned by the end of 2009. The agency expects RSM to improve the efficiency and effectiveness of its retirement program, which serves civilian federal employees who are eligible to receive benefits in the future, employees who are already retired, and their survivors and beneficiaries. OPM has estimated the RSM life-cycle cost to be \$421.6 million.

At your request, we reviewed OPM's management of the RSM program. Specifically, our objectives were to

- determine whether OPM is effectively managing the RSM program to ensure that system components perform as intended, and
- evaluate the risks, cost, and progress of the program.

On November 30, 2007, we provided your offices with briefing slides that outlined the results of our study. On December 3, 2007, we met with your staff to discuss our findings, conclusions, and recommendations. The purpose of this report is to provide the published briefing slides to you and to officially transmit our recommendations to the Director of the Office of Personnel Management. The slides, which discuss our scope and methodology, are included as appendix I. We performed our work from March 2007 to January 2008 in accordance with generally accepted government auditing standards. In summary, our study highlighted two key issues:

First, OPM has improved its management processes for selecting contractors, defining system and security requirements, managing risks, planning organizational change, and providing program executive oversight. Additionally, the agency recently established performance targets for the improvements to retirement processing accuracy and timeliness that it expects RSM to achieve. However, the agency's management of the program in other areas that are important to the successful deployment of new systems has not ensured that system components will perform as intended. A recently established independent verification and validation capability should help the agency identify and make program management improvements. Nevertheless, management improvements are needed in key areas:

- Initial test results do not provide assurance that a major system component, the defined benefits technology solution, will perform as intended. OPM officials acknowledged that test results had not met established quality goals and stated that they expected future test results to indicate improved quality. Nevertheless, until actual test results indicate improved system quality, the agency faces increased risk that it will deploy technology that does not work as expected in February 2008.
- The system testing schedule has been compressed and upcoming tests are to be conducted concurrently in about half the time originally planned. The agency identified a shortage of testing resources and the need for further system development as contributing to the delay and concurrency of planned tests. This high degree of concurrent testing increases the risk that the agency will not have sufficient resources or time to verify that the technology it plans to deploy in February 2008 will work as expected.
- Trends in identifying and resolving system defects indicate a growing backlog of problems to be resolved prior to deployment. Until defect trends indicate resolution of the backlog of urgent and high priority defects, OPM faces increased risk that it will not have sufficient time to resolve significant problems before its planned February 2008 deployment.

Second, OPM has established a risk management process that has been effective in identifying program risks, but it has not reliably estimated RSM's cost or reported progress. Several examples follow:

• The agency has established and used a risk management process that has resulted in the identification of risks to the successful completion of the

RSM program. For example, the agency has identified risks associated with the need to plan activities, conduct training, design and build interfaces, modify legacy systems, and execute tests prior to system deployment in February 2008. As a result of identifying these and other risks, the program should be positioned to reduce the probability of their occurrence and to reduce the impact if they occur.

- In 2007, OPM revised the program life-cycle cost estimate from \$371.2 million to \$421.6 million. However, the reliability of this estimate is questionable because the agency could not support the estimate with a description of the system to be developed and a description of the methodology used to produce the estimate. Without a reliable cost estimate, the agency does not have a sound basis for formulating future RSM program budgets or for monitoring and predicting program performance.
- OPM's reporting of RSM progress has not reflected the state of the program. Specifically, the agency reported two views of program progress: by describing the satisfaction of established program goals and by using earned value management (EVM).<sup>1</sup> With respect to goals, the agency reported that it had met its fiscal year 2007 goals, including completing the imaging of paper-based retirement records and beginning training. While OPM's reporting that it satisfied program goals provided a favorable view of progress, this view did not include program areas for which the agency had not established goals. Using EVM, which is intended to provide a view of progress on the program as a whole, the agency reported in October 2007 that the program was progressing almost exactly as planned. However, the agency's reported favorable view of program progress was not consistent with the state of the program. As a result of this approach, whereby OPM frequently revised its performance measurement baseline in lieu of establishing and controlling a valid baseline, the agency's EVM reporting did not reliably reflect program progress.

### Conclusions

To its credit, OPM has undertaken the RSM program to expedite retirement processing for civilian federal employees and the agency reported that it has met key program goals. Further, the agency has improved its management processes for selecting contractors, defining

<sup>&</sup>lt;sup>1</sup>EVM is a management tool used for measuring program performance by comparing the value of work accomplished with the amount of work expected to be accomplished. Such a comparison permits performance to be evaluated based on variances from the planned cost and schedule.

	system and security requirements, managing risks, planning organizational change, and providing program executive oversight. Nevertheless, much remains to be accomplished before the program is effectively positioned to deploy its first planned increment of new technology in February 2008.
	Although OPM has developed performance targets necessary to gauge the success of the new system and has entered into a contract to obtain an independent review of its management of the RSM program, the agency has not ensured that system components will perform as intended. In particular, initial test results indicate that the defined benefits technology solution that is a major component of the new system has not performed as intended, the backlog of system defects to be addressed before deployment is growing, and future system tests are to be conducted concurrently in about half the time originally planned.
	Further, OPM recognized the importance of risk management and has established a risk management process and identified program risks. However, the agency has not yet developed the capability to reliably analyze and report program progress. Such progress reporting should be grounded in a reliable cost estimate that is in part the basis for reliable earned value management. Without a reliable cost estimate, the agency does not have a firm foundation for the RSM program budget or for reliable earned value management reporting.
	Until OPM makes improvements to the RSM program in the areas discussed above, the agency risks not achieving successful program outcomes, including the planned deployment of new technology beginning in February 2008.
Recommendations for Executive Action	To address the risks to OPM's deployment of new retirement system technology and improve the agency's ability to reliably report progress of the RSM program, we are recommending that the Director of the Office of Personnel Management direct the RSM Executive Director to take the following actions:
•	Ensure that sufficient resources are provided to fully test functionality, actions for mitigating the risks inherent in concurrent testing are identified, test results verify that all system components perform as expected, and test activities and results are subjected to independent verification and validation.

	<ul> <li>Monitor and review defined benefits technology solution defects to ensure all urgent and high priority defects are resolved prior to system deployment and that the resolution of urgent and high priority defects is subjected to independent verification and validation.</li> <li>Develop a revised RSM cost estimate that addresses the weaknesses identified in this briefing and task an independent verification and validation contractor with reviewing the process used to develop the estimate and assessing the reliability of the resulting estimate.</li> <li>Establish a basis for effective use of earned value management by validating the RSM performance measurement baseline through a program level integrated baseline review and task an independent verification and validation contractor with reviewing the process used to develop the baseline and assessing the reliability of the performance measurement baseline through a program level integrated baseline review and task an independent verification and validation contractor with reviewing the process used to develop the baseline and assessing the reliability of the performance measurement baseline.</li> </ul>
Agency Comments and Our Evaluation	In written comments on a draft of this report, the Director of OPM expressed her appreciation of GAO's insightful recommendations and stated that the agency is taking steps to address them. The Director reiterated the agency's intention to begin deploying the new retirement system in February 2008, and stated that when fully deployed, the new system will provide a high level of customer service, enhanced retirement planning tools, and prompt, complete annuity payments. To this end, the Director stated that the agency has, among other things, dedicated additional resources to monitor, evaluate, and troubleshoot system development and testing. OPM's actions, if effectively implemented and monitored by agency leadership, should facilitate deployment of the new retirement system. The comments are reprinted in appendix II.
	We are sending copies of this report to the Director of the Office of Personnel Management and other appropriate congressional committees. We will make copies available to other interested parties upon request. Copies of this report will also be made available at no charge on GAO's Web site at http://www.gao.gov.

If you or your staff have any questions about this report, please contact me at (202) 512-6304 or melvinv@gao.gov. Contact points for our Offices of Congressional Relations and Public Affairs may be found on the last page of this report. GAO staff who made major contributions to this report are listed in appendix III.

Valerie C. Melnin

Valerie C. Melvin Director, Human Capital and Management Information Systems Issues

Appendix I: Briefing to the Staff of the Subcommittee on Financial Services and General Government, Committee on Appropriations, U.S. Senate



# Office of Personnel Management: Improvements Needed to Ensure Successful Retirement Systems Modernization

Briefing for the Subcommittee on Financial Services and General Government Committee on Appropriations United States Senate

November 30, 2007

Accountability + Integrity * Reliability	Table of Contents
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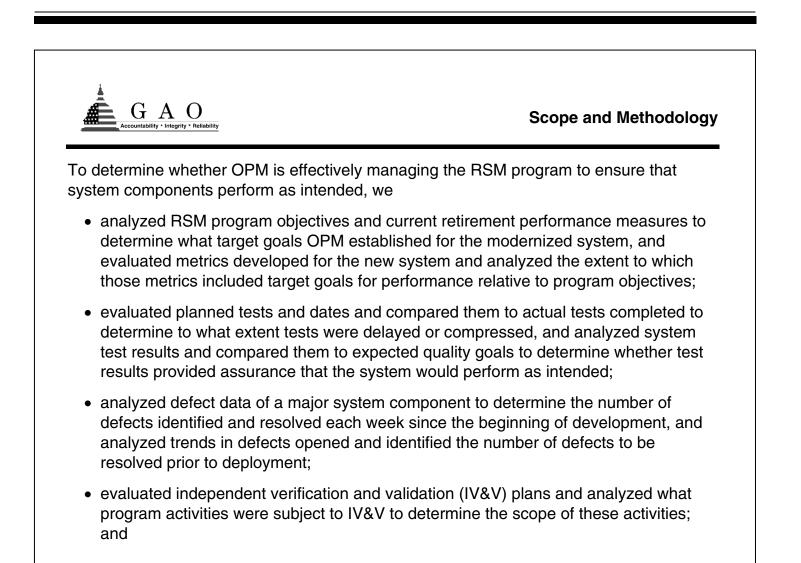
### Introduction

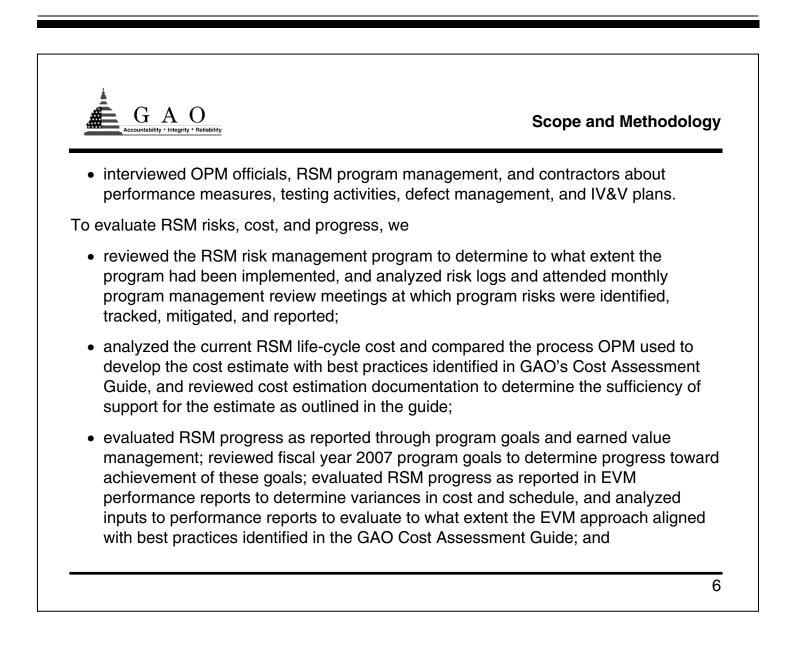
The Office of Personnel Management (OPM) is modernizing the paper intensive processes and antiquated systems it uses to support the retirement of civilian federal employees. According to OPM, these existing processes and systems make providing timely and accurate benefit payments to retirees and their families increasingly difficult and must be improved before an expected increase in the number of retirements occurs. The Retirement Systems Modernization (RSM) program is intended to remedy this situation with the deployment of new or modified systems beginning in February 2008, with full deployment planned by the end of 2009. OPM has estimated the RSM life-cycle cost to be \$421.6 million.

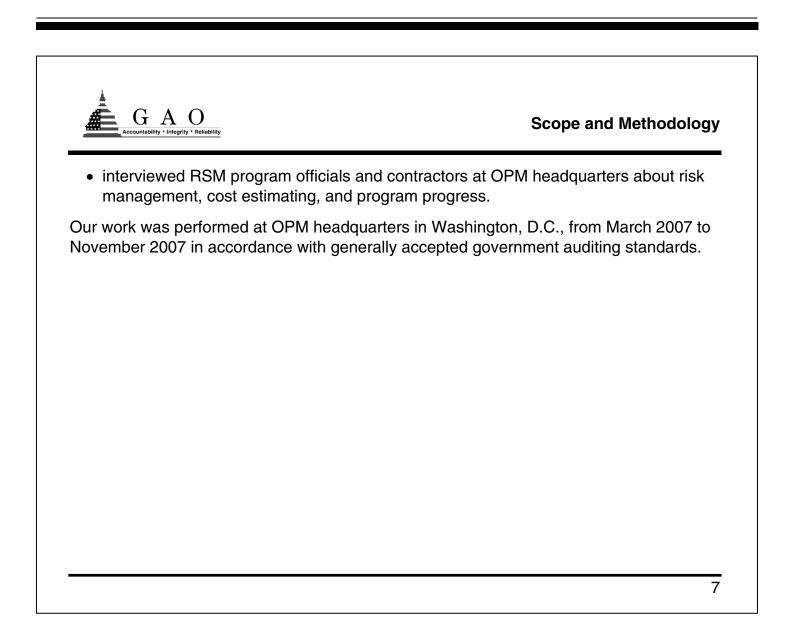
RSM is intended to improve the efficiency and effectiveness of OPM's retirement program, which serves civilian federal employees who are eligible to receive benefits in the future, employees who are already retired and their survivors and beneficiaries.

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GΑΟ **Objectives** ntability \* Integrity \* Reliabilit The Chairman and the Ranking Member of the Senate Subcommittee on Financial Services and General Government requested that we • determine whether OPM is effectively managing the RSM program to ensure that system components perform as intended, and • evaluate the risks, cost, and progress of the RSM program. 4





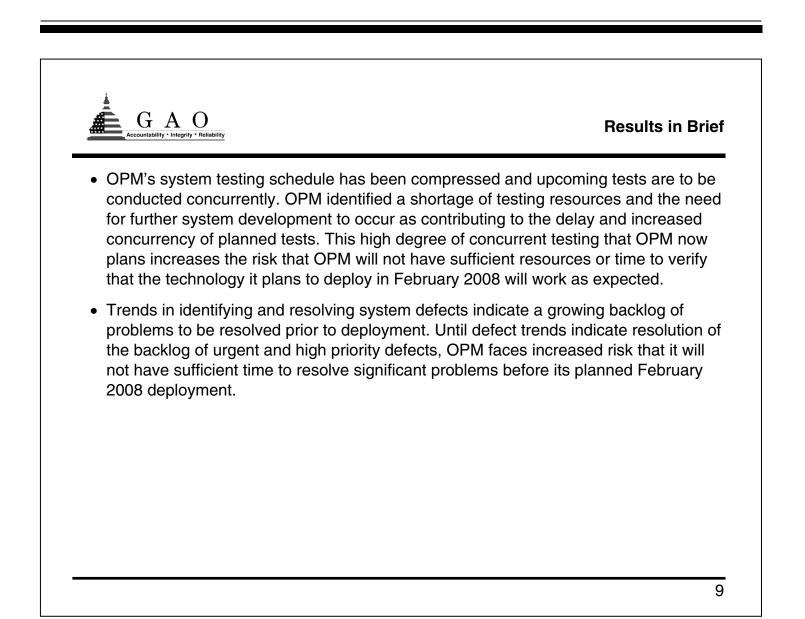


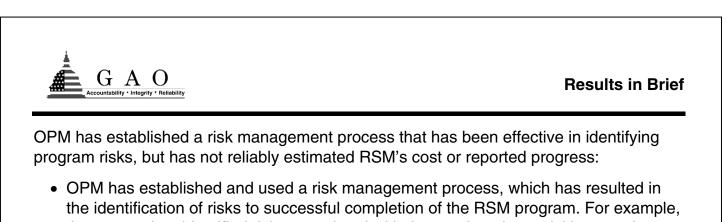


### **Results in Brief**

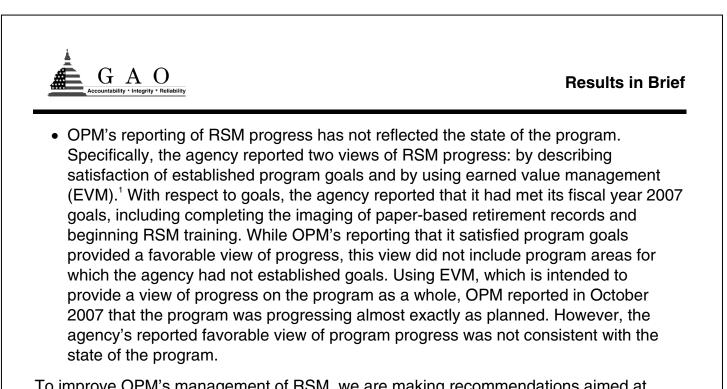
To its credit, OPM has undertaken the RSM program to speed retirement processing for civilian federal employees and has reported meeting key agency goals. Further, the agency has improved its management processes for selecting contractors, defining system and security requirements, managing risks, planning organizational change, and providing program executive oversight. Additionally, OPM recently established performance targets for the improvements to retirement processing accuracy and timeliness that it expects RSM to achieve. However, the agency has not ensured that system components will perform as intended when they are planned to be deployed in February 2008. A recently established independent verification and validation function should help the agency identify and make program management improvements. Nevertheless, management improvements are needed in key areas:

Initial test results do not provide assurance that a major system component will
perform as intended. OPM officials acknowledged that test results had not met
established quality goals and stated that they expected future test results to indicate
improved quality. Nevertheless, until actual test results indicate improved system
quality, OPM faces increased risk that it will deploy technology that does not work as
expected (e.g., does not accurately calculate retirement benefits) in February 2008.



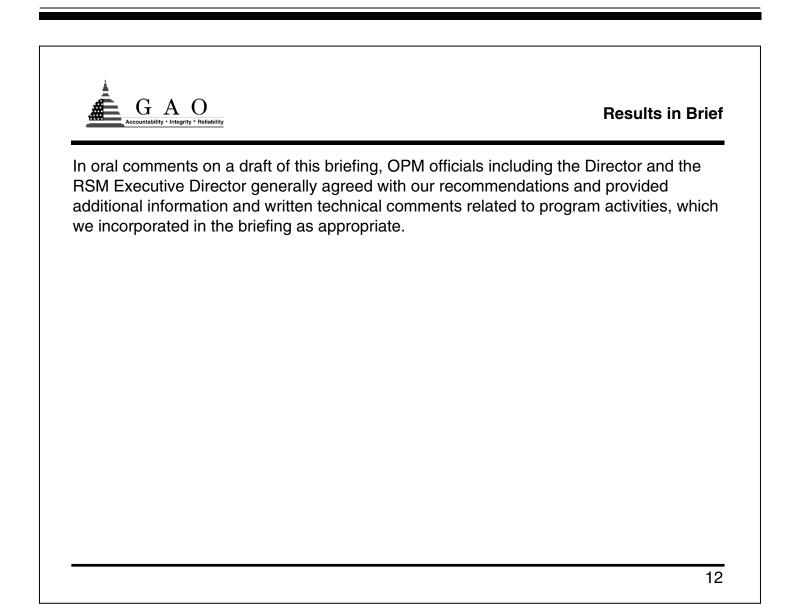


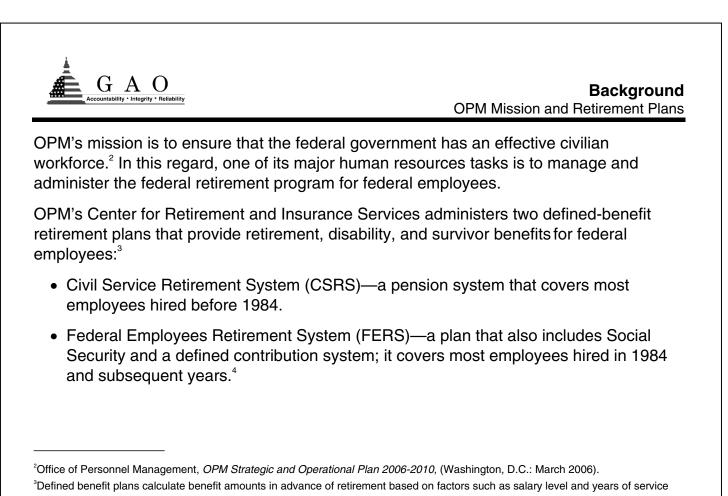
- the identification of risks to successful completion of the RSM program. For example, the agency has identified risks associated with the need to plan activities, conduct training, design and build interfaces, modify legacy systems, and execute tests prior to system deployment in February 2008. As a result of identifying these and other risks, the RSM program should be positioned to reduce the probability of their occurrence and to reduce the impact if the risks do occur.
- In 2007, OPM revised its RSM life-cycle cost estimate from \$371.2 million to \$421.6 million. However, the reliability of this estimate is questionable because the agency could not support the estimate with a description of the system to be developed and a description of the methodology used to produce the estimate. Without a reliable cost estimate, OPM does not have a sound basis for formulating future RSM program budgets or for monitoring and predicting program performance.



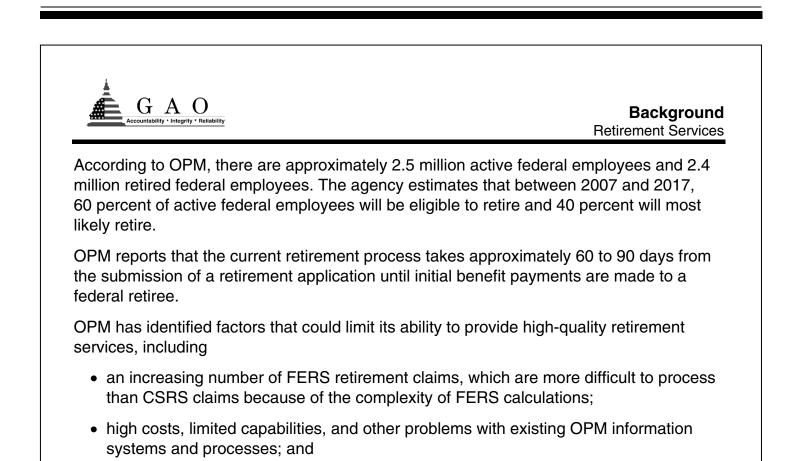
To improve OPM's management of RSM, we are making recommendations aimed at reducing the risks to successful system deployment by conducting effective system tests, resolving system defects, and improving cost estimating and earned value reporting (see pages 53-54).

<sup>&</sup>lt;sup>1</sup>EVM is a management tool for measuring program performance by comparing the value of work accomplished with the amount of work expected to be accomplished. Such a comparison permits performance to be evaluated based on variances from the planned cost and schedule.



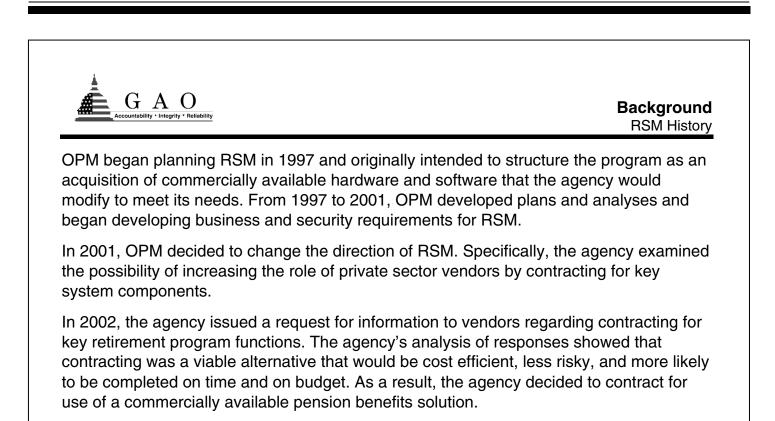


and defined contribution plans calculate benefit amounts based on how the amount is invested by the employee and employer. <sup>4</sup>The Social Security Administration is responsible for administering Social Security and the Federal Thrift Investment Board administers the defined contribution system known as the Thrift Savings Plan.

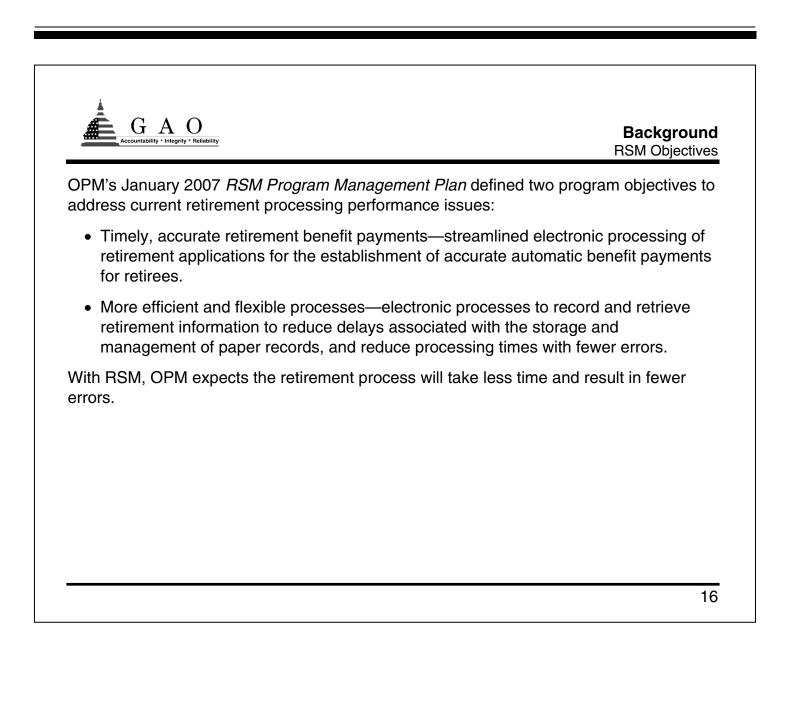


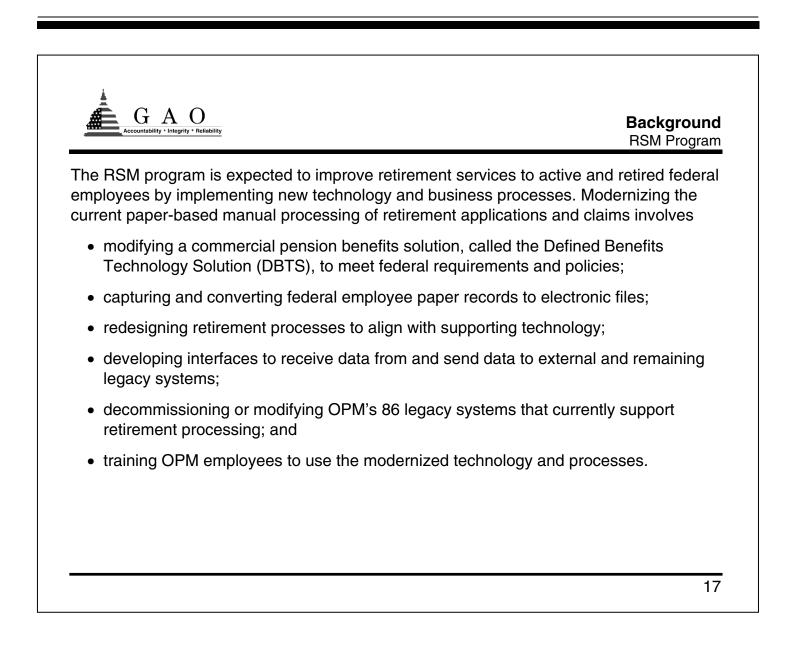
the inability to attract personnel to work with antiquated retirement processes.

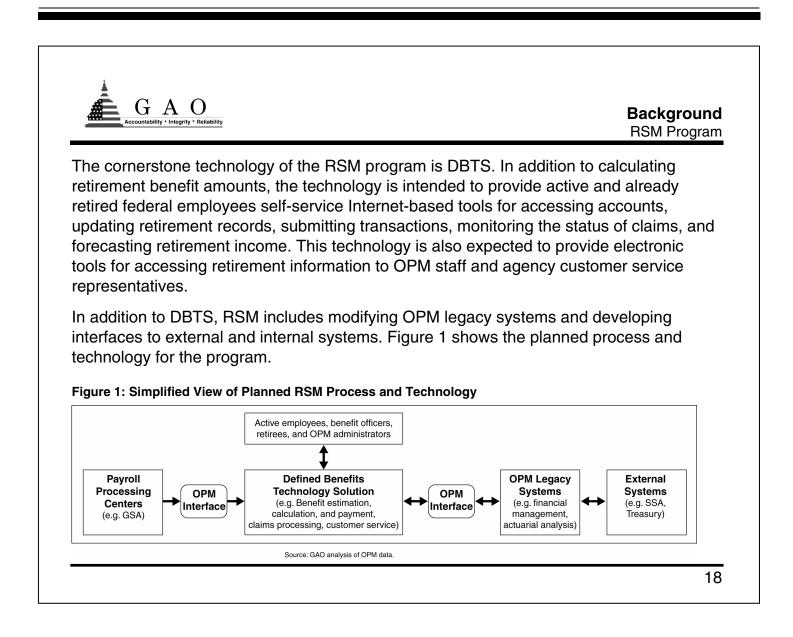
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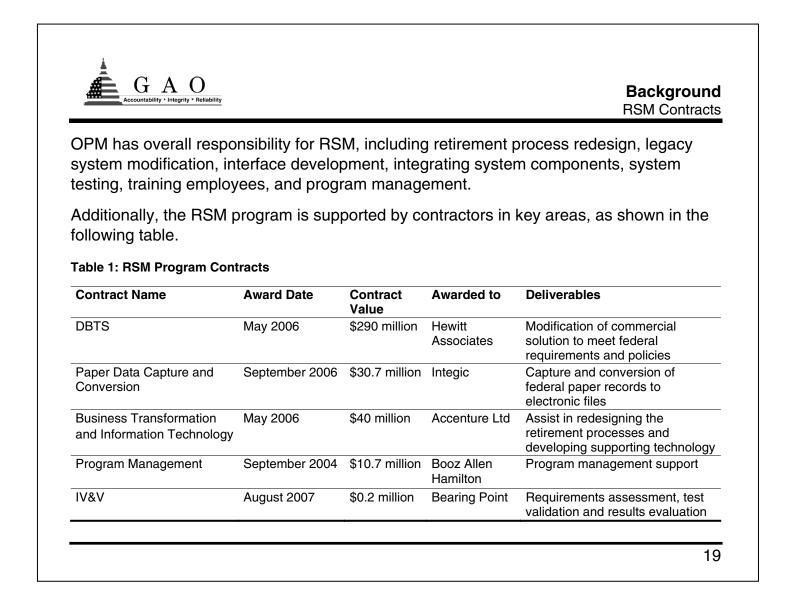


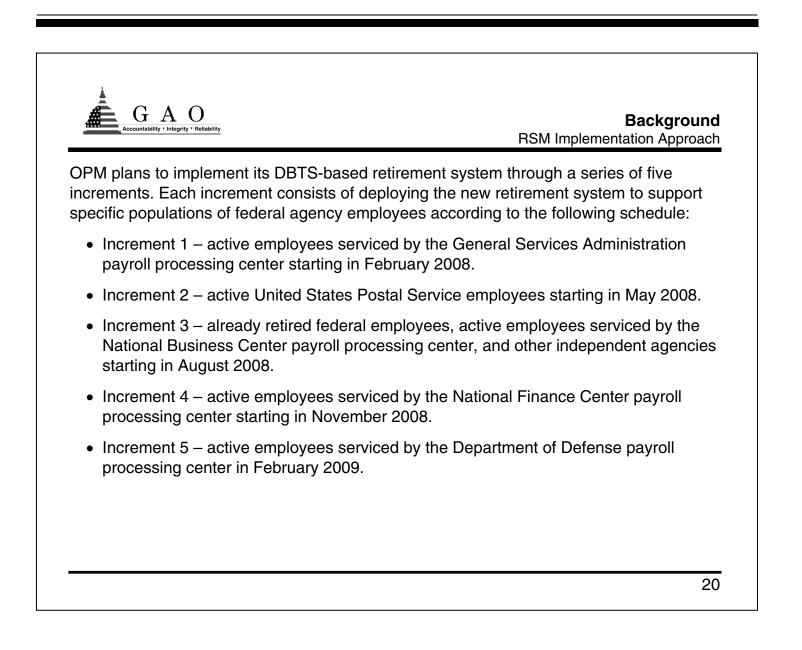
In 2003, OPM conducted an assessment of alternative contracting options before issuing a request for proposals in 2004. During 2005 and early 2006, OPM evaluated proposals and selected vendors.

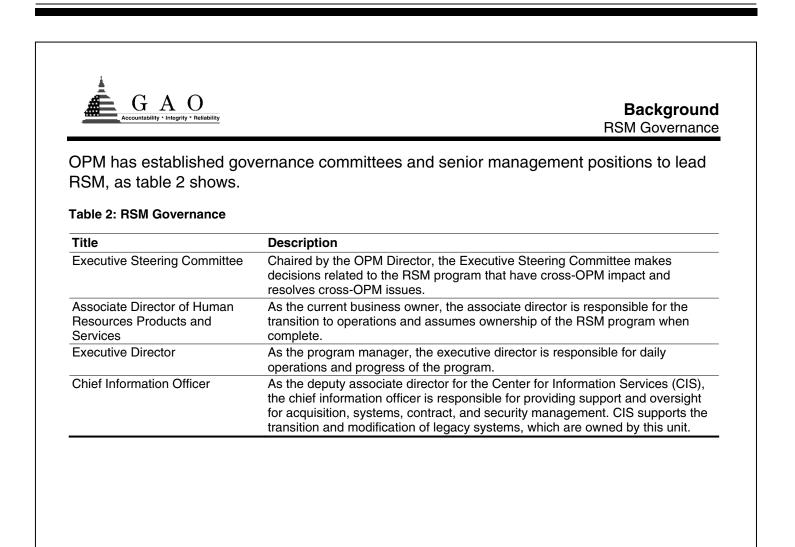


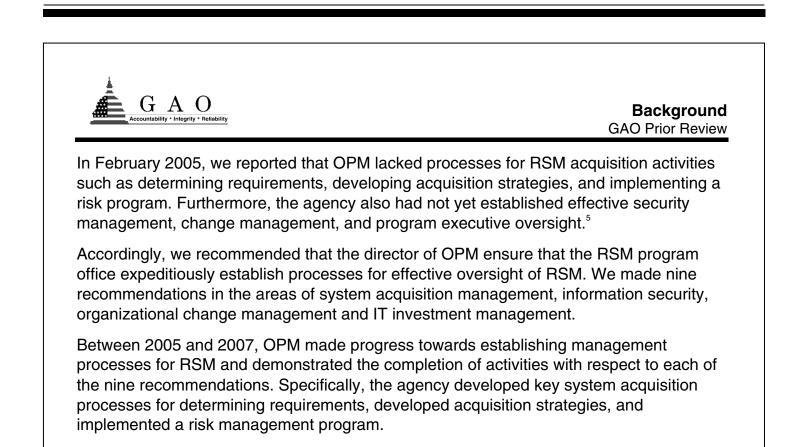




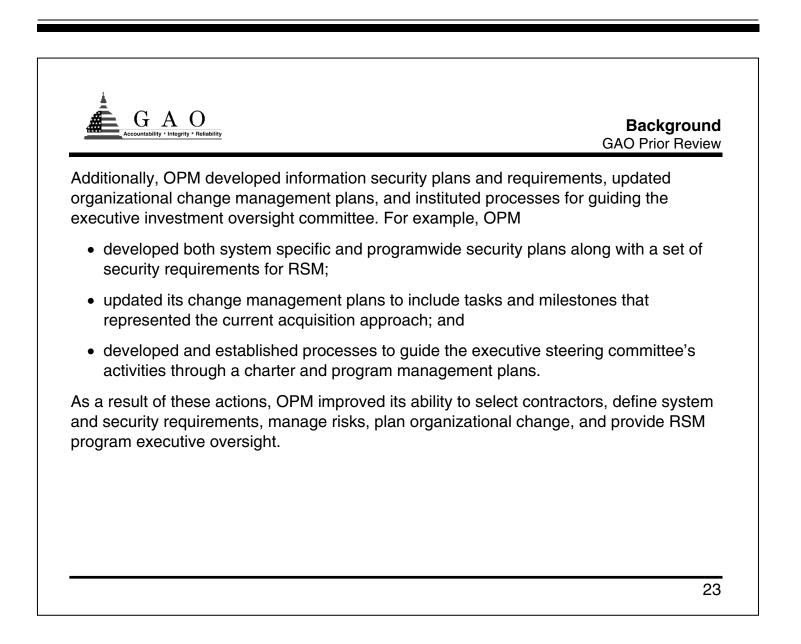


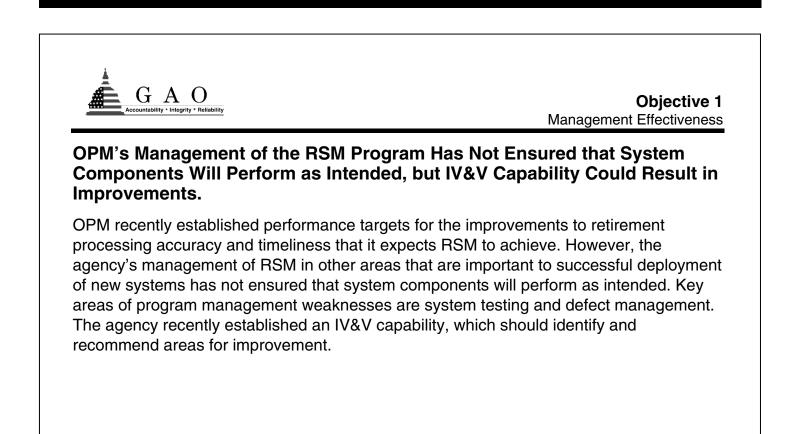


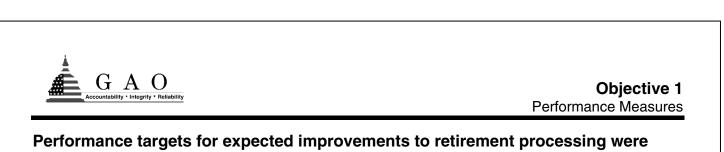




<sup>&</sup>lt;sup>5</sup> GAO, Office of Personnel Management: Retirement Systems Modernization Faces Numerous Challenges, GAO-05-237(Washington, D.C.: February 28, 2005).







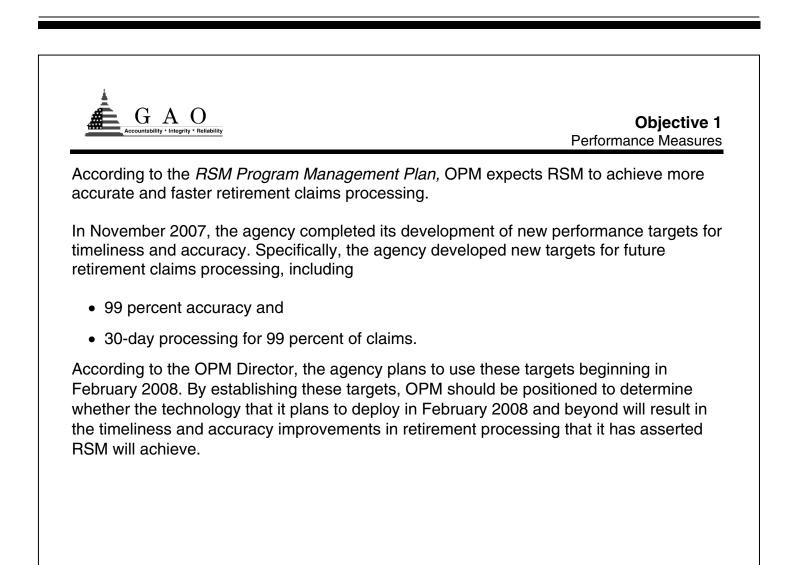
# Performance targets for expected improvements to retirement processing were recently developed.

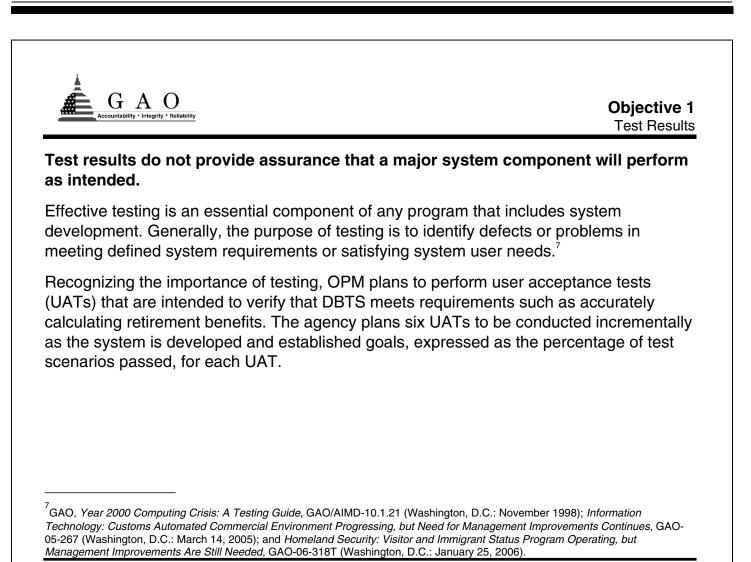
The Government Performance and Results Act of 1993 provides, among other things, that federal agencies establish program performance measures, including the assessment of relevant outputs and outcomes of program activities. By analyzing the gap between target measurements and actual levels of performance, management can focus on those processes that are most in need of improvement, set improvement goals, and identify appropriate process improvements or other actions.<sup>6</sup>

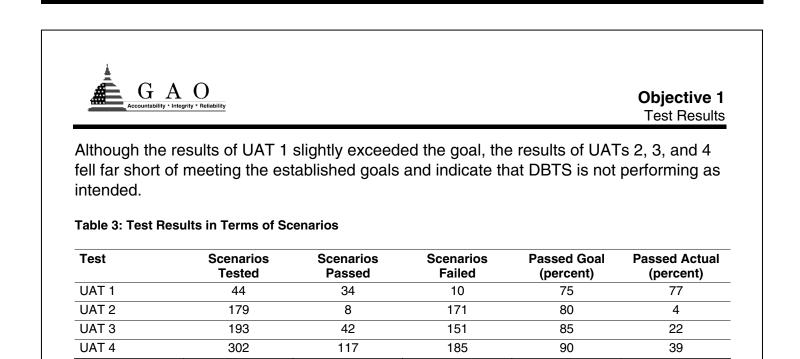
Recognizing the importance of performance measures, OPM has established goals for measuring the accuracy and timeliness of current retirement claims processing. OPM also has defined targets that relate to measuring progress towards these goals and reports actual performance. Specifically, in 2006 the agency reported targets for current retirement claims processing, including

- 93 percent accuracy (actual accuracy was 89 percent) and
- 30-day claims processing (actual performance was 41 days).

<sup>&</sup>lt;sup>6</sup> GAO, *Performance Measurement and Evaluation*, GAO-05-739SP (Washington, D.C.: May 2005).

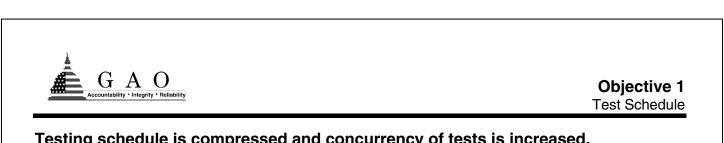






OPM officials acknowledged that these test results showed that DBTS had not performed as intended and stated that they expected the UAT 5 test results to indicate continued quality improvement.

Until actual test results indicate improvement in the quality of DBTS, OPM faces increased risk that it will deploy technology that does not work as expected (e.g., does not accurately calculate retirement benefits) in February 2008.

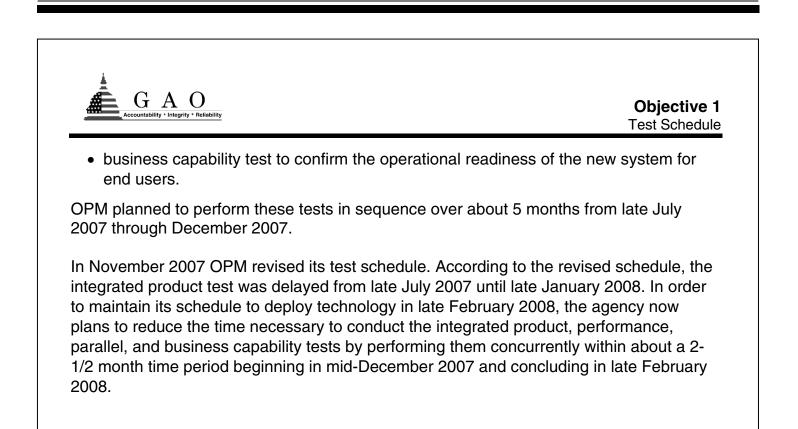


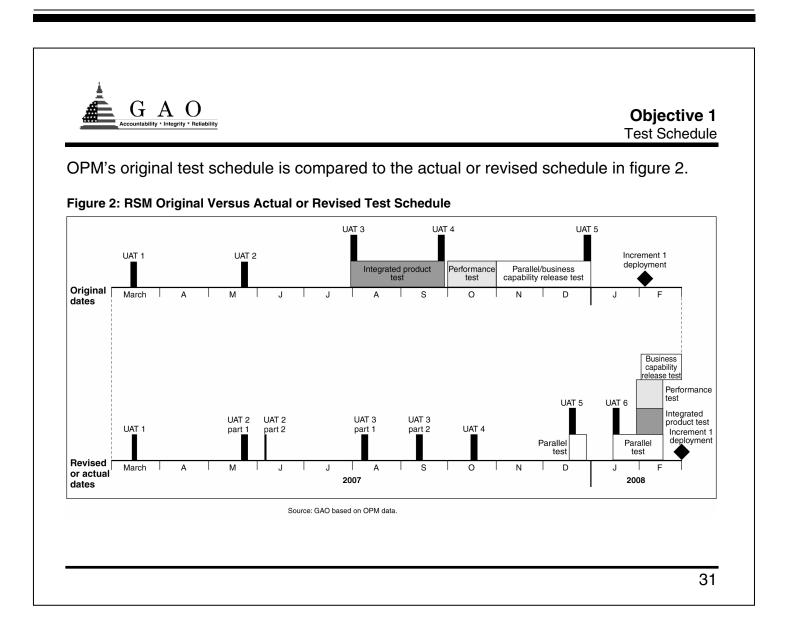
#### Testing schedule is compressed and concurrency of tests is increased.

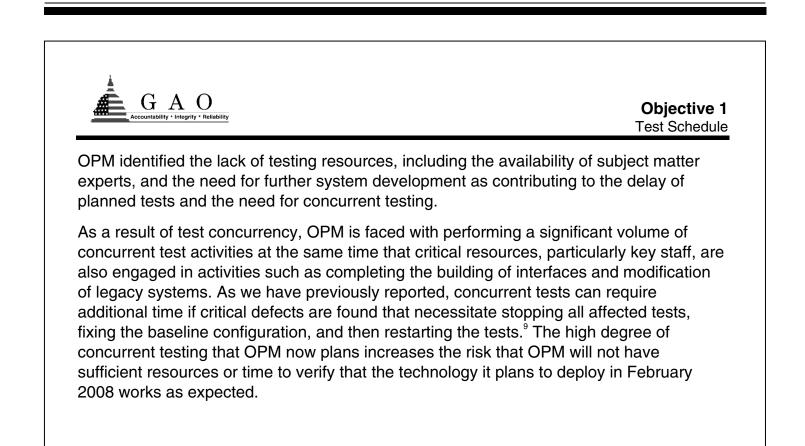
In addition to UATs, OPM planned tests that we and others recognize as important to ensuring that system components and the new system as a whole perform as intended.<sup>8</sup> These tests are intended to verify that DBTS and other RSM components work together as intended when they are combined and that the complete system resulting from the RSM program satisfies all requirements (e.g., functional and performance) and is acceptable to end users. Specifically, OPM plans the following tests:

- integrated product test to confirm that DBTS, modified legacy systems, and associated interfaces meet functional requirements (e.g., accurately calculate benefits).
- performance test to confirm that the new system meets performance requirements (e.g., processing volume and execution time).
- parallel test to verify that the new system produces the same results as existing systems.

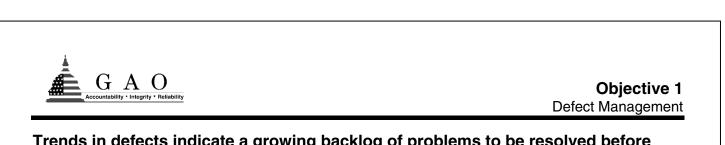
<sup>8</sup>GAO/AIMD-10.1.21.







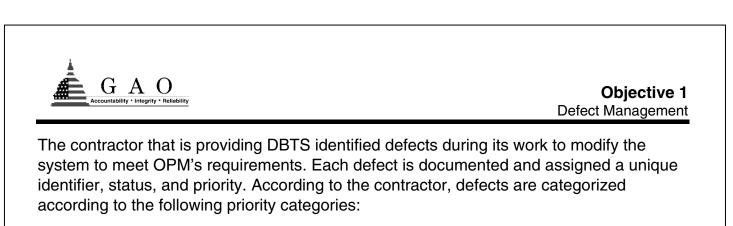
<sup>9</sup>GAO, 2000 Census: New Data Capture System Progress and Risks, GAO/AIMD-00-61 (Washington, D.C.: February 4, 2000).



### Trends in defects indicate a growing backlog of problems to be resolved before deployment.

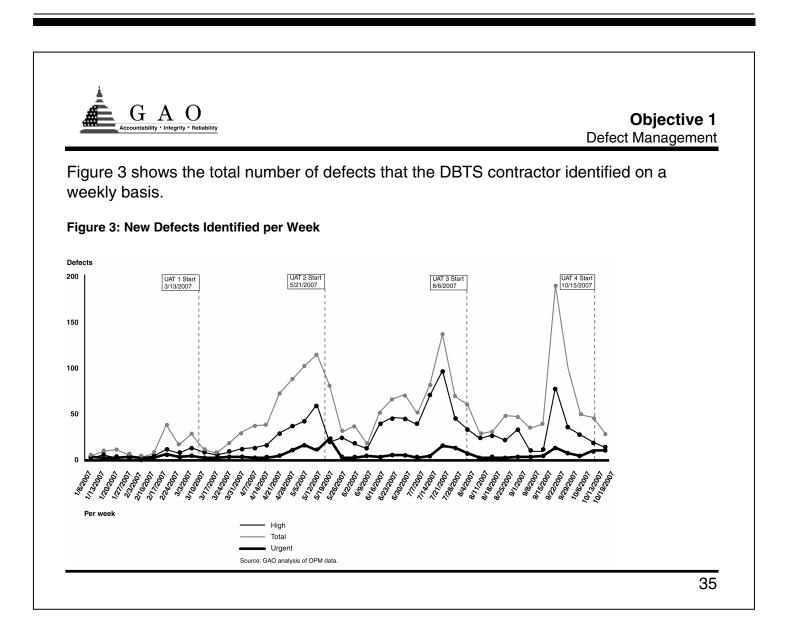
In addition to test results, a measure of system maturity and quality is trends in defects. Defects are system problems that require a resolution and can be due to a failure to meet the system specifications. Defects are often identified prior to and during system tests. As we have previously reported, having current and accurate defect information is necessary to adequately understand system maturity and to make informed decisions about how to best allocate limited resources to meet competing priorities.<sup>10</sup>

<sup>&</sup>lt;sup>10</sup>GAO, Customs Service Modernization: Automated Commercial Environment Progressing, but Further Acquisition Management Improvements Needed, GAO-03-406 (Washington, D.C.: February 28, 2003); Homeland Security: Visitor and Immigrant Status Program Operating, but Management Improvements Are Still Needed, GAO-06-318T (Washington, D.C.: January 25, 2006); and GAO/AIMD-00-61.

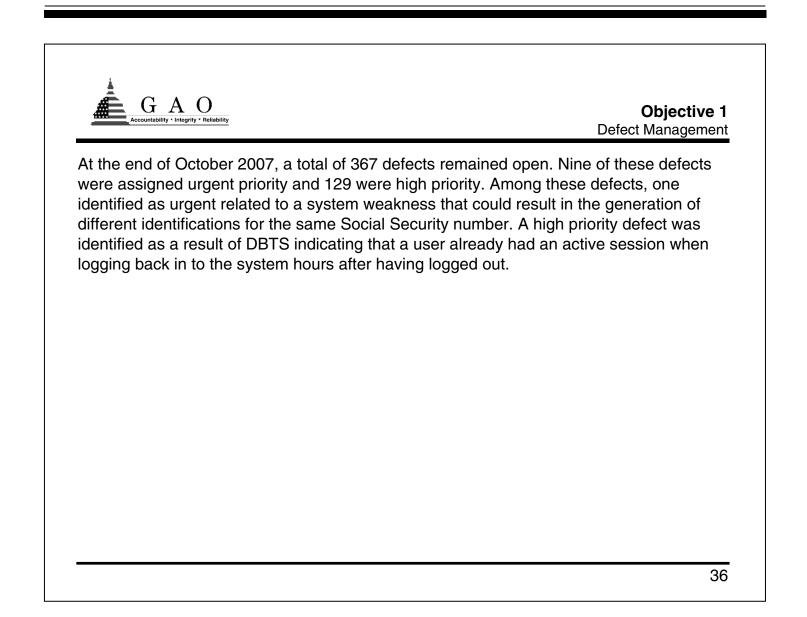


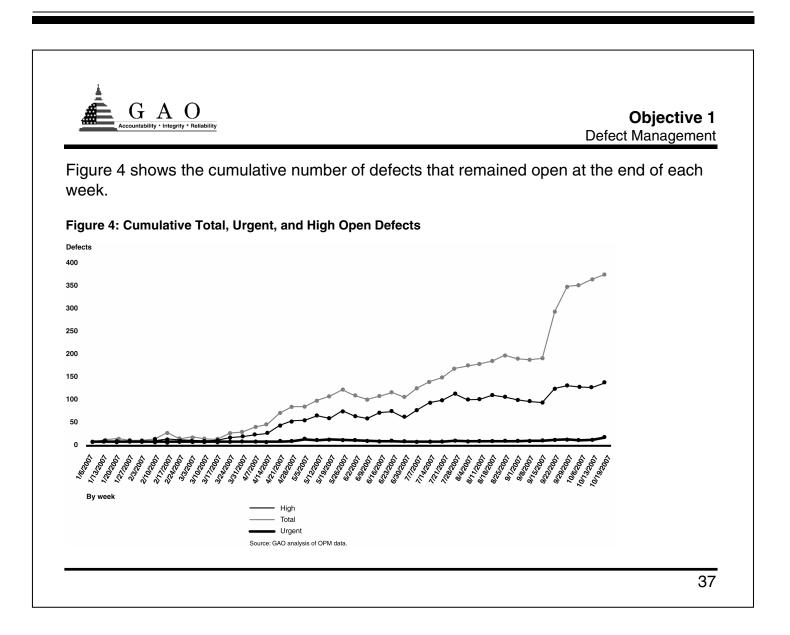
- Urgent priority defects prevent progress of the solution in the current system phase.
- High priority defects are items that need to be addressed in the current system phase.
- Medium priority defects are items to be addressed in an upcoming system phase.
- Low priority defects are items that can be addressed during transition to deployment.

Our analysis of the contractor-identified defects showed a pattern of defect identification that is consistent with the axiom that defects are often identified prior to and during system tests. Because DBTS functionality remains to be developed, integrated, and tested, the pattern of defect identification is likely to continue. Further, the RSM executive director stated that OPM expects the number of defects identified to reach a peak in December 2007.

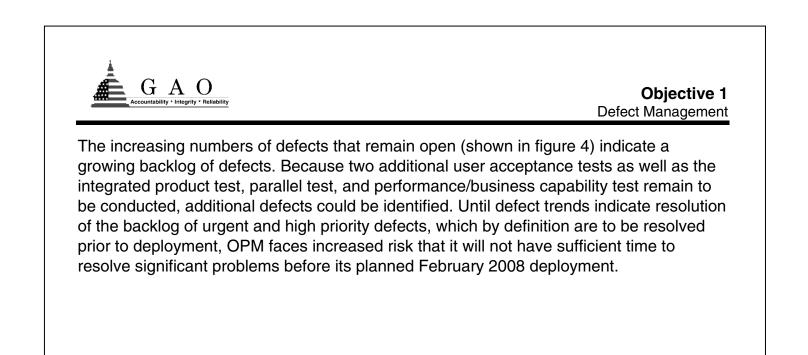


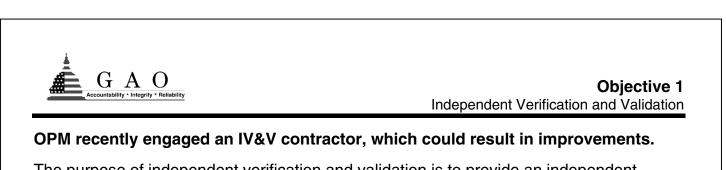
Appendix I: Briefing to the Staff of the Subcommittee on Financial Services and General Government, Committee on Appropriations, U.S. Senate





Appendix I: Briefing to the Staff of the Subcommittee on Financial Services and General Government, Committee on Appropriations, U.S. Senate

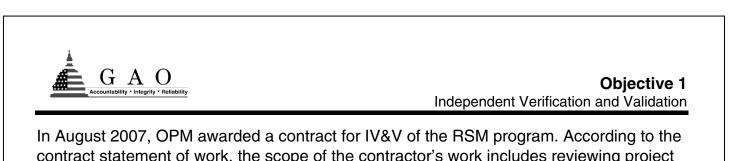




The purpose of independent verification and validation is to provide an independent review of system processes and products to ensure that quality standards are being met. As we have previously reported, the use of IV&V is a recognized best practice for large and complex system development and acquisition projects such as RSM and involves an independent organization conducting unbiased reviews of processes, products, and results to verify and validate that they meet stated requirements and standards.<sup>11</sup>

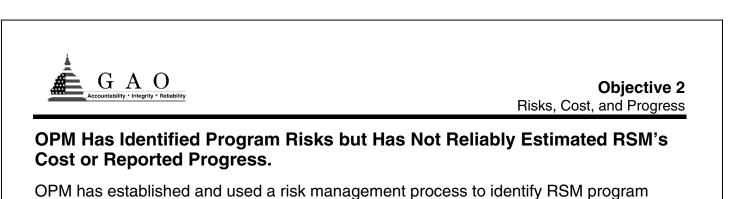
OPM's February 2007 *RSM IV&V Approach* emphasized the importance of IV&V for identifying and correcting problems as well as for providing visibility into the system in order to deliver it on schedule and within budget.

<sup>&</sup>lt;sup>11</sup>GAO, *U.S. Customs Service: Observations on Selected Operations and Program Issues*, GAO-01-968T (Washington, D.C.: July 17, 2001) and *Homeland Security: First Phase of Visitor and Immigration Status Program Operating, but Improvements Needed*, GAO-04-586 (Washington, D.C.: May 11, 2004).

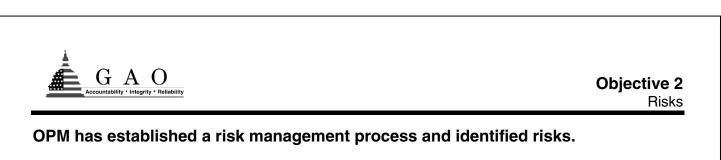


contract statement of work, the scope of the contractor's work includes reviewing project approaches, plans, analyses, methods, processes, and deliverables. Further, according to the November 2007 IV&V plan, the contractor is expected to recommend approaches for resolving issues regarding design, development, testing, and any potential problem area.

As a result of instituting IV&V, OPM should be better positioned to identify and correct deficiencies in the RSM program and deploy technology that performs as expected.



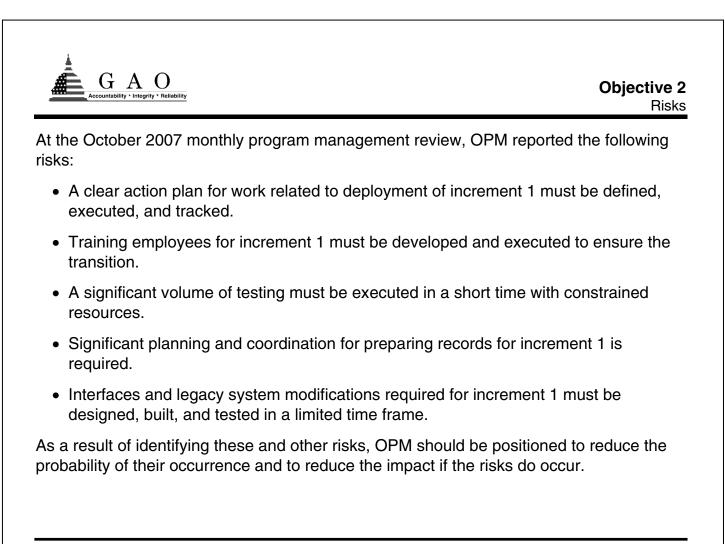
risks. However, the agency's current RSM life-cycle cost estimate of \$421.6 million is not supported by necessary documentation and is thus of questionable reliability. OPM's two methods of reporting program progress, by reporting achievement of goals and using EVM, provide a favorable view of progress. However, the agency's EVM reporting was unreliable and neither of the two progress reporting methods reflected OPM's decision to delay deployment of a portion of the technology originally planned for February 2008.

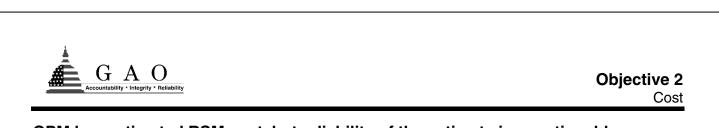


Risk management is vital to the success of a program such as RSM. Relevant best practice guidance advocates proactively identifying facts and circumstances that can increase the probability of a program failing to meet cost, schedule, and performance commitments and then taking steps to reduce the probability of their occurrence and impact.<sup>12</sup>

OPM has established a risk management program that includes, among other things, written policies and procedures, roles and responsibilities, and guidance for identifying, prioritizing and mitigating risks. Additionally, the agency has implemented the program and uses a database to help track risks. Risks are summarized and reported at monthly program management review meetings.

<sup>&</sup>lt;sup>12</sup>Software Engineering Institute, Software Acquisition Capability Maturity Model® version 1.03, CMU/SEI-2002-TR-010 (Pittsburgh, PA: March 2002).





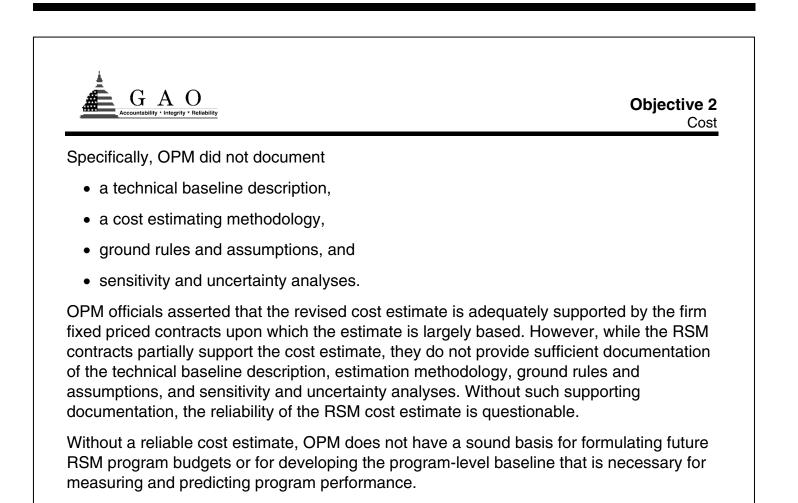
### OPM has estimated RSM cost, but reliability of the estimate is questionable.

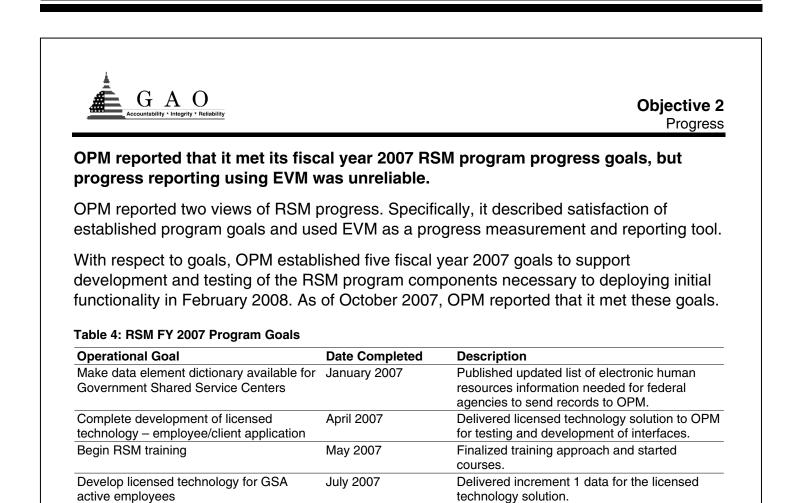
A cost estimate is the summation of individual program cost elements, using established methods and valid data to estimate future costs. The establishment of a reliable cost estimate is important for developing a program budget and having a sound basis for measuring performance, including comparing the actual and planned costs of program activities. Credible cost estimates are produced by following rigorous steps and are accompanied by detailed documentation, including descriptions of the system under development, estimation methodology, ground rules and assumptions, and sensitivity and uncertainty analyses.<sup>13</sup>

In August 2007, OPM revised its RSM life-cycle cost estimate from \$371.2 million to \$421.6 million based in part on the estimated costs of major program activities such as contracting for the capture and conversion of paper files, development of the defined benefits technology solution, and program support.

However, OPM's revised estimate was not supported by the documentation that is fundamental to a reliable cost estimate.

<sup>&</sup>lt;sup>13</sup> GAO, *Cost Assessment Guide: Best Practices for Estimating and Managing Program Costs*, Exposure Draft, GAO-07-1134SP (Washington, D.C.: July 2007).





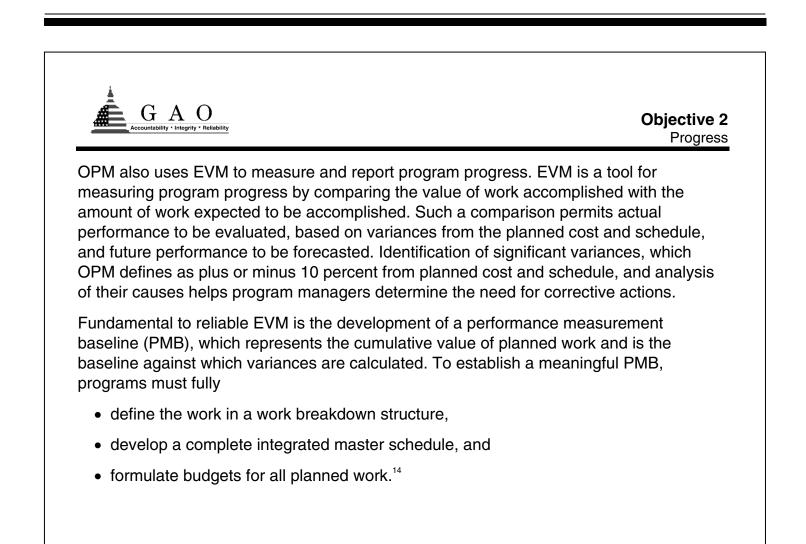
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Captured paper records stored at the

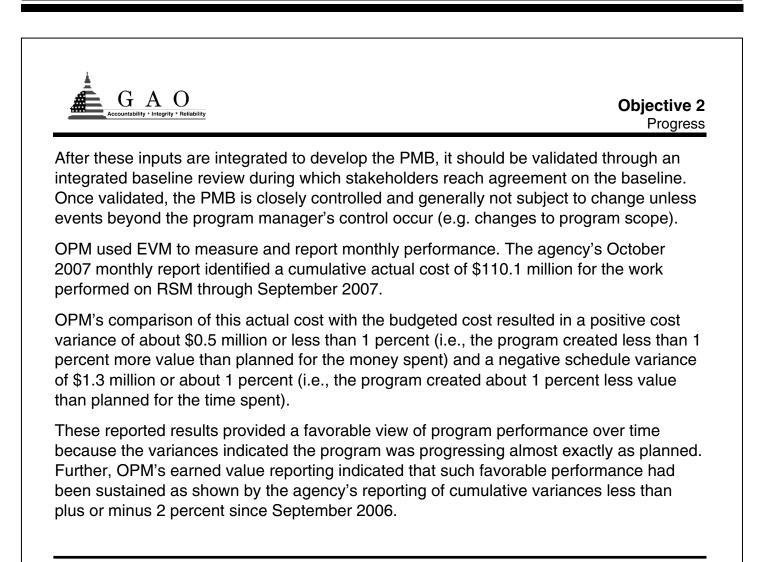
Retirement Operations Center.

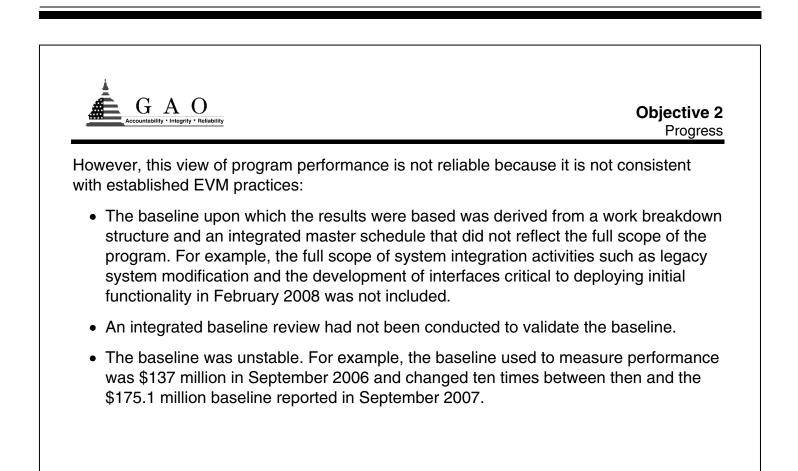
Complete Active Employee Folder imaging September 2007

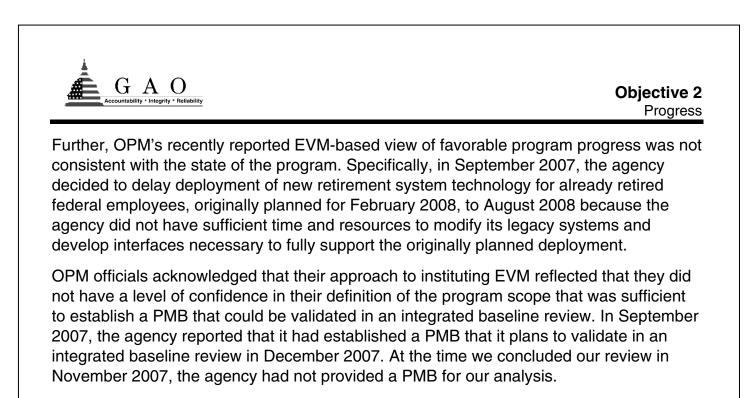
in the Retirement Operations Center



<sup>14</sup> GAO-07-1134SP







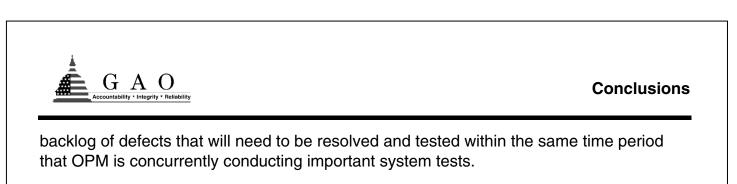
This EVM approach, whereby OPM frequently revised its baseline in lieu of establishing and controlling a valid PMB, in effect ensured that material program level variances from planned performance over time (i.e., above the 10 percent threshold) would not be identified and that the state of the program would not be reliably reported.



### Conclusions

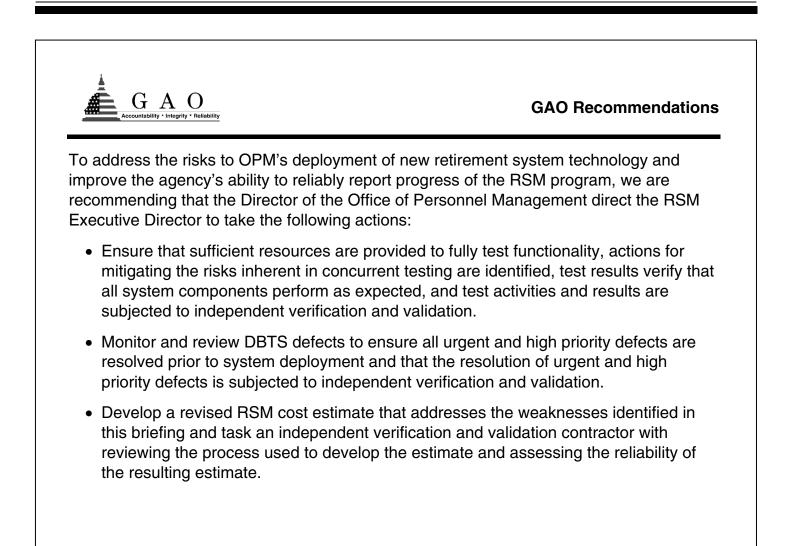
To its credit, OPM has undertaken the RSM program to expedite retirement processing for civilian federal employees and the agency reported that it has met key program goals. Further, OPM has improved its management processes for selecting contractors, defining system and security requirements, managing risks, planning organizational change, and providing program executive oversight. Nevertheless, much remains to be accomplished before the program is effectively positioned to deploy its first planned increment of new technology in February 2008.

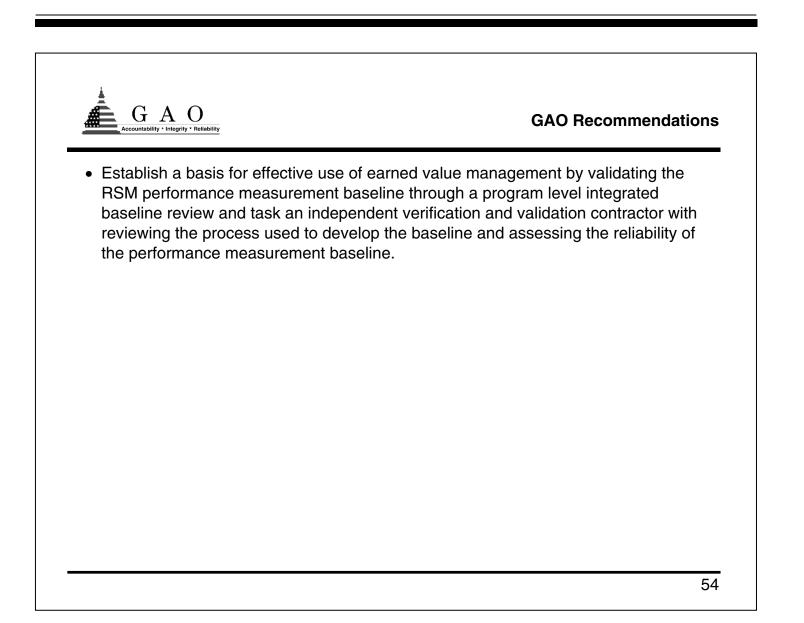
OPM developed performance targets necessary to gauge the success of the new system with respect to the major objectives of increasing the timeliness and accuracy of retirement claims processing. The agency also recognized the value that an independent review of the RSM program could provide and entered into a contract to obtain such a review, which should help the agency identify and address weaknesses in its management of the RSM program. However, the agency's program management has not ensured that system components will perform as intended. In particular, initial test results indicate that the defined benefits technology solution that is a major component of the new system has not performed as intended and future system tests are to be conducted concurrently in about half the time originally planned. Compounding this already risky scenario, the contractor that is providing the defined benefits technology solution continues to identify system defects faster than they can be resolved, thus building a

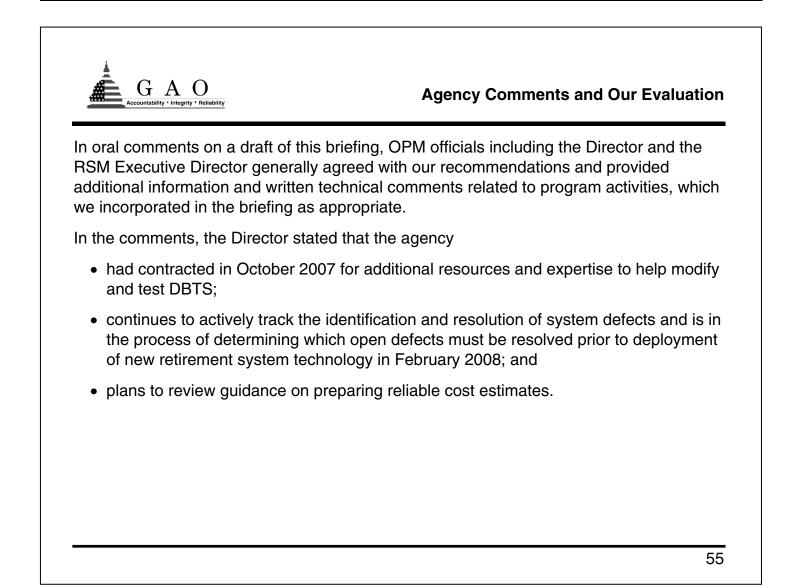


OPM recognized the importance of risk management and has established a risk management process and identified program risks. However, the agency has not yet developed the capability to reliably analyze and report RSM progress. Such progress reporting should be grounded in a reliable cost estimate that is in part the basis for reliable earned value management. Without a reliable cost estimate, OPM does not have a firm foundation for the RSM program budget or for reliable earned value management reporting.

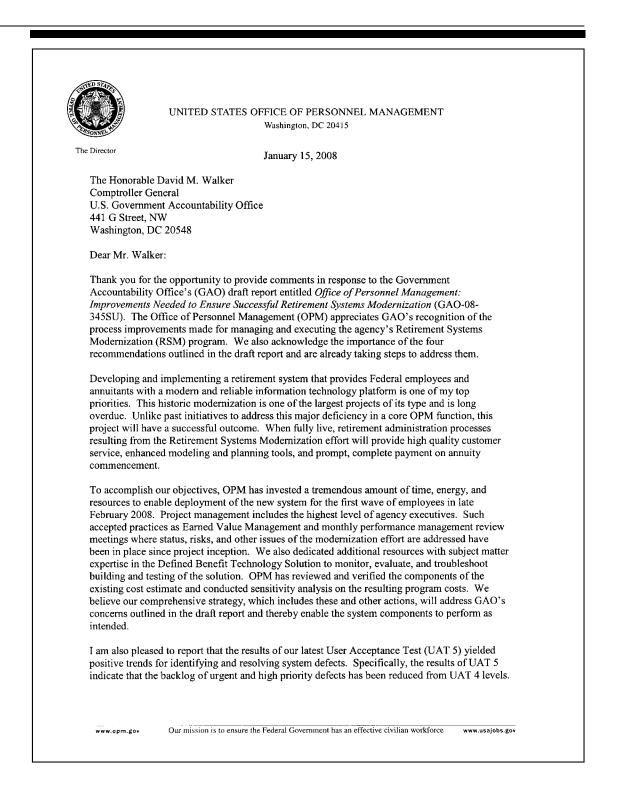
Until OPM makes improvements to the RSM program in the areas discussed above, the agency risks not achieving successful program outcomes, including the planned deployment of new technology beginning in February 2008.







# Appendix II: Comments from the Office of Personnel Management



This supports the anticipated pattern we communicated to GAO, namely that testing scores will improve while the defect rate declines as we approach the February "Go Live" milestone. We appreciate GAO's insightful recommendations outlined in the draft report. OPM is taking the necessary steps to ensure that the Federal Government has a state-of-the-art retirement system for annuitants and employees. We look forward to giving GAO an update after "Go Live" for the first wave of employees. Sincerely, Linda M. Springer Director 2

# Appendix III: GAO Contact and Staff Acknowledgments

GAO Contact	Valerie C. Melvin (202) 512-6304 or melvinv@gao.gov
Staff Acknowledgments	In addition to the contact named above, key contributions to this report were made by Mark T. Bird, Assistant Director; Neil J. Doherty; David A. Hong; Jacqueline K. Mai; Teresa M. Neven; B. Scott Pettis; Margaret E. Poston; and Amos A. Tevelow.

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