



# System Approach for Safety Oversight

## *ATOS 1.2 Automation Fact Sheet*

A new set of automation capabilities will be implemented as part of the ATOS 1.2 deployment. This fact sheet provides answers to several basic questions about the new automation capabilities.

### FEATURES & FUNCTIONALITY

#### 1. **What are some of the most important features of the new ATOS 1.2 automation system?**

- **The new system provides capabilities that are directly aligned with the new *ATOS 1.2 processes*.**
  - Menu buttons for each process module guide users to functions associated with the steps in the process.
  - The new ATOS homepage will contain links to the process maps for each module for users to refer to in executing the processes (\*Note - this capability is under development and will not be available in the initial ATOS 1.2 software that is deployed at the 3 key test sites).
- **A new version of the *ACAT* will be implemented.**
  - The new ACAT will include a new set of risk indicators, and will allow users to indicate the risk for a given element on a 1 to 7 scale rather than simply by checking a box that signifies the presence of a risk for that element.
    - A set of word pictures will be presented for each risk indicator to assist the users in choosing the level of risk.
  - The new ACAT will include a link to SPAS that automatically generates a Data Package specifically designed for ACAT risk indicator assessment.
  - Under ATOS 1.2, once a user has completed the ACAT, the information will be retained in the database for reference and for use in assessing risk indicators in future planning cycles.
- **An *Oversight Profile* function will enable each CMT to tailor their oversight program specifically to the carrier's current size and configuration.**
  - The Oversight Profile function allows users to identify ATOS elements and questions that are not applicable to their carrier and remove them from the carrier's assessment and data collection plan.
- **New *Comprehensive Assessment Plan (CAP)* screens will replace the Comprehensive Surveillance Plan screens and will provide flexible capabilities for planning assessments and adjusting oversight priorities.**
  - Users will be able to view the CAP in two different ways.
    - The "CAP Planning List" view will provide a short term planning horizon, listing for each element, when the next performance assessment and design assessment are due.
    - The "CAP Calendar" view will allow users to review and update their assessment plan over a 5 year window.
- **An *Assessment Determination and Implementation (ADI)* screen will provide Principal Inspectors with a tool to quantify and document the "bottom line" assessment for an element based on the data that has been collected.**
  - Like the ACAT, word pictures will be available to guide users in deciding on a final assessment and action.
  - Also like the ACAT, the ADI Screen will include a link to SPAS that automatically generates a Data Package that provides the information needed to complete a design or performance assessment and determine a proper course of action.

#### 2. **What about data that was entered while a CMT was operating under ATOS 1.1 processes? Will that be accessible after the CMT transitions into ATOS 1.2?**

- DOR, ConDOR and RMP data collected and/or entered while a CMT was operating under ATOS 1.1 processes will be available and accessible in the ATOS 1.2 system.

- ATOS 1.1 EPI and SAI data will not be carried forward into ATOS 1.2. However, EPI and SAI data collected while a CMT was operating under ATOS 1.1 processes will be available and accessible in SPAS
- ACAT information from ATOS 1.1 will not be carried forward into ATOS 1.2 since the old and new formats are so different from one another.
  - Users are encouraged to retain hardcopy records of their final ATOS 1.1 ACAT results.

### **3. How will SPAS interface with ATOS 1.2?**

- SPAS will provide 2 new Data Packages that will be seamlessly accessible via hyperlinks on select ATOS 1.2 screens.
  - A Planning Data Package will support the evaluation of risk indicators in the ACAT, the adjustment of assessment priorities in the CAP, and the planning of scheduled data collection activities.
  - The Assessment Data Package will support the analysis of data to determine a bottom line assessment for an element's system design or system performance
- Existing ATOS analysis features in SPAS, including the ATOS comprehensive query, the ATOS profiles, and the ATOS system data arrays will be capable of accommodating both ATOS 1.1 and 1.2 data, and will continue to be available for user's who's CMTs are not transitioning immediately into ATOS 1.2
- Data entered into ATOS will be immediately available in SPAS as soon as any record is added, modified, or deleted in either the ATOS 1.1 or 1.2 systems.

### **4. When will the new ATOS 1.2 automation capabilities be deployed?**

- The new automation capabilities will be initially deployed at three key test CMTs on May 29, 2007.
  - These CMTs are Colgan Air Inc., Aerodynamics Inc., and United Airlines.
  - During the test deployment at these sites, upgrades will be made to the automation as necessary.
  - Following the pilot implementation, the ATOS 1.2 system will be released for full scale deployment on August 1, 2007 for use by all remaining 121 CMTs once they transition into ATOS 1.2

## BENEFITS

### **5. What benefits will the new ATOS 1.2 automation provide?**

- Consistency, efficiency and ease of use
  - Since the automation capabilities are directly aligned with the new ATOS 1.2 processes, they will enable the processes to be executed consistently and efficiently.
  - The user interface will be easy to use, guiding users through the process and providing a seamless, one click interface with SPAS tools that are also needed under ATOS 1.2.
- Scalability
  - The automation provides the flexible tools that enable ATOS processes to be effectively applied in the smallest as well as the largest CMTs.
- Justifiable documentation for oversight decisions
  - The new ACAT, CAP and ADI functions provide (and retain) quantified data for use in assessing risk, scheduling performance and design assessments, and adjusting oversight programs to target the areas of highest priority.

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**Do you have a question, a comment or want more information about SASO?**

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