

SSIT

Updating a PGE

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SSIT- Updating a PGE



Overview

A New version of an existing PGE is ingested into the DAAC and placed under DAAC CM. It is compiled, verified, and tested by the SSIT Team. The Profile of the new PGE version is defined to the PDPS database so that it can be run on the production system. The PGE is executed successfully on the production system, and declared “production ready” by DAAC and SCF personnel. A new Science Software Archive Package is created to group the new version of the PGE with its documentation, test plans, etc....

Assumptions

- Previous version of the PGE already exists at DAAC.
- New PGE passes verification and tests.
- PGE has new output product of an already defined ESĐT.

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Scenario

- PGE is ingested and placed under DAAC CM.
- PGE is compiled and Tested by DAAC SSIT team.
- PGE profile is defined to production system by the Production Planner.
- PGE successfully tested in the production environment. Accepted for products.
- Science Software Archive Package defined for PGE, associated test information, and documentation.

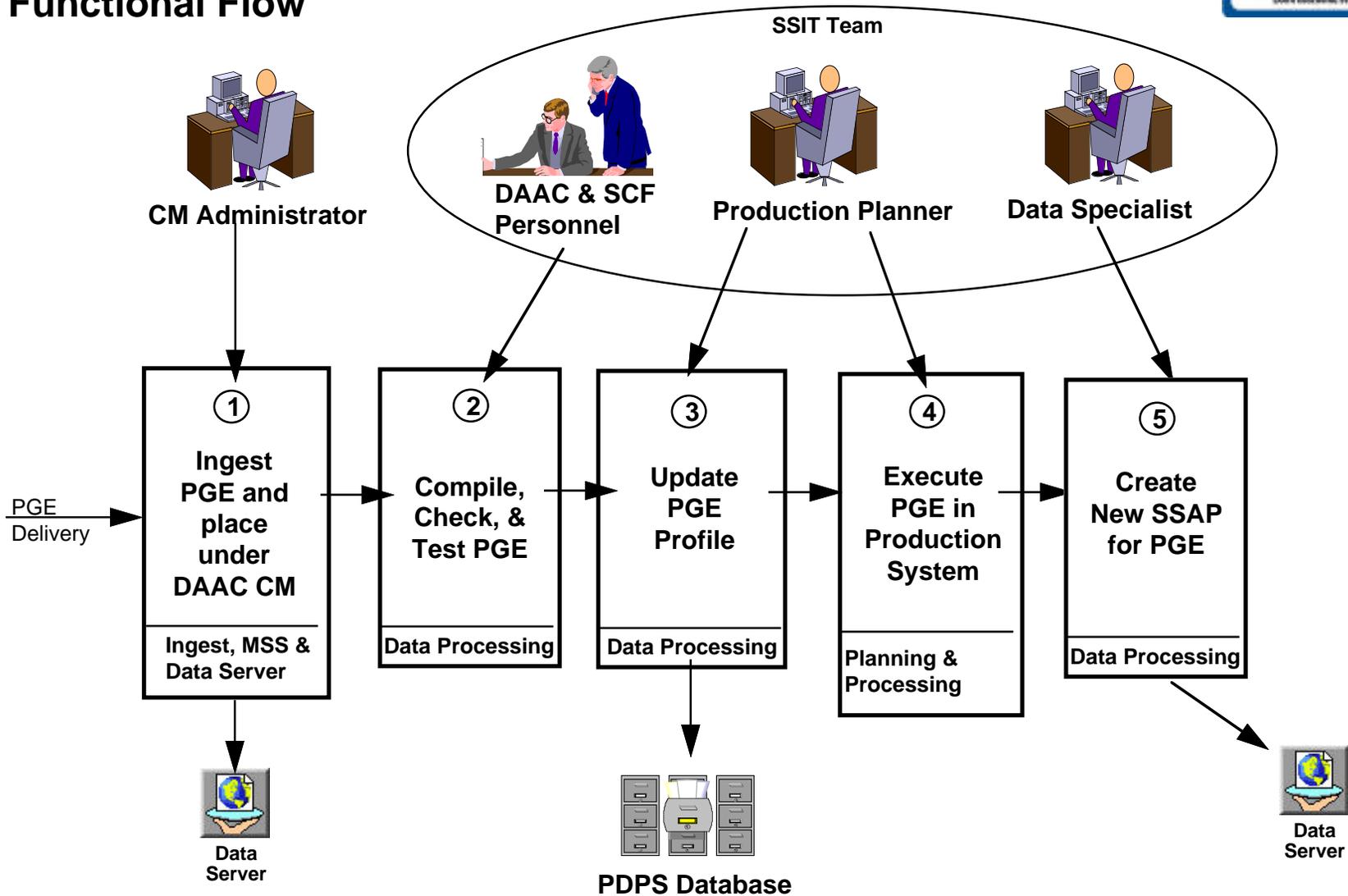
Heritage

This scenario is derived from the “Transition To and From Testing Scenario” described in The Operations Concept for the ECS Project: Part 2B -- ECS Release B (604-CD-002-002).

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Functional Flow



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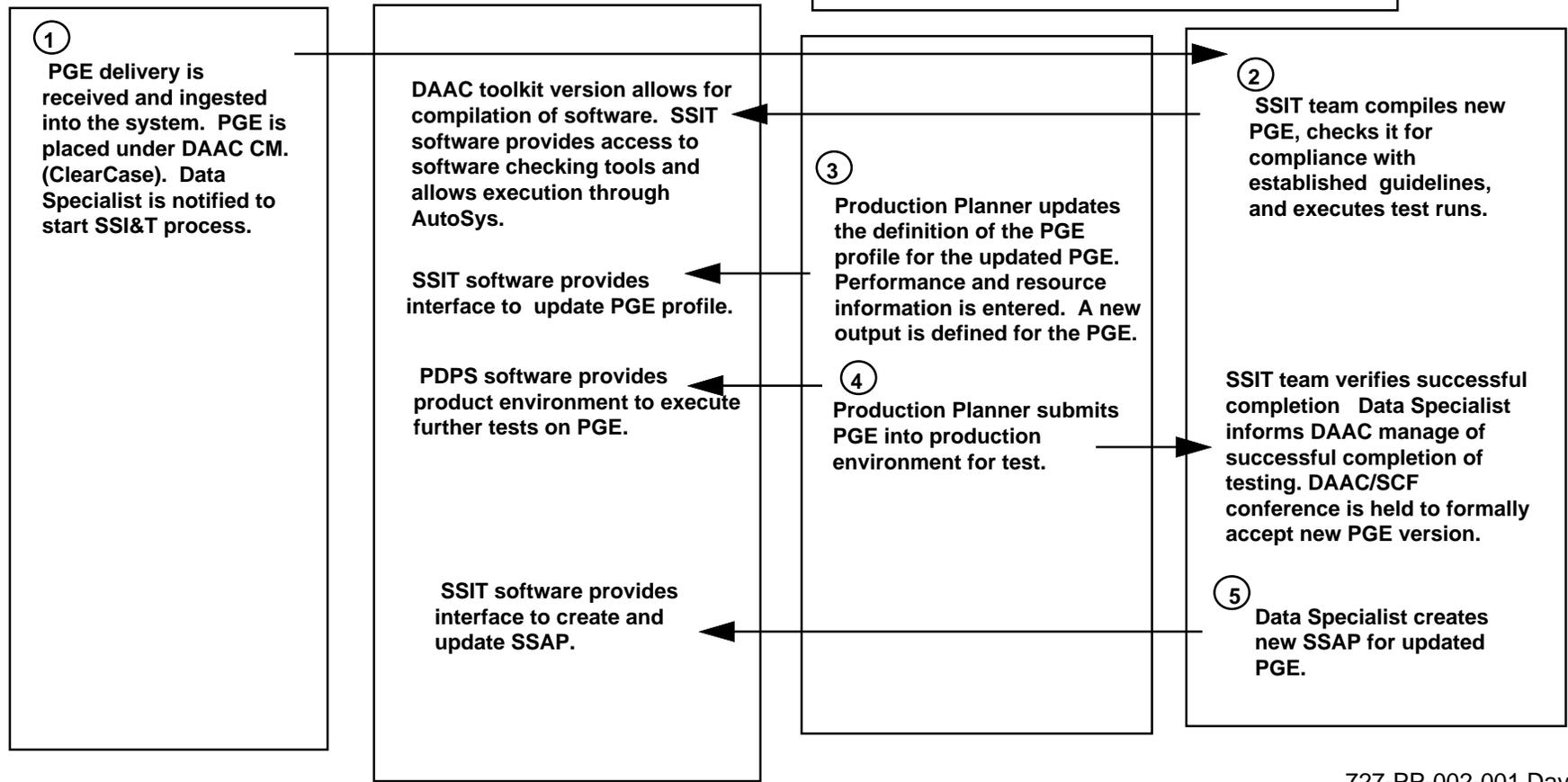
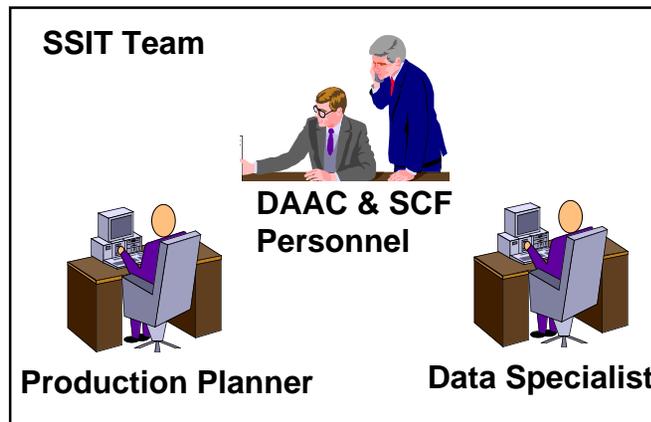
Points of View



CM Administrator



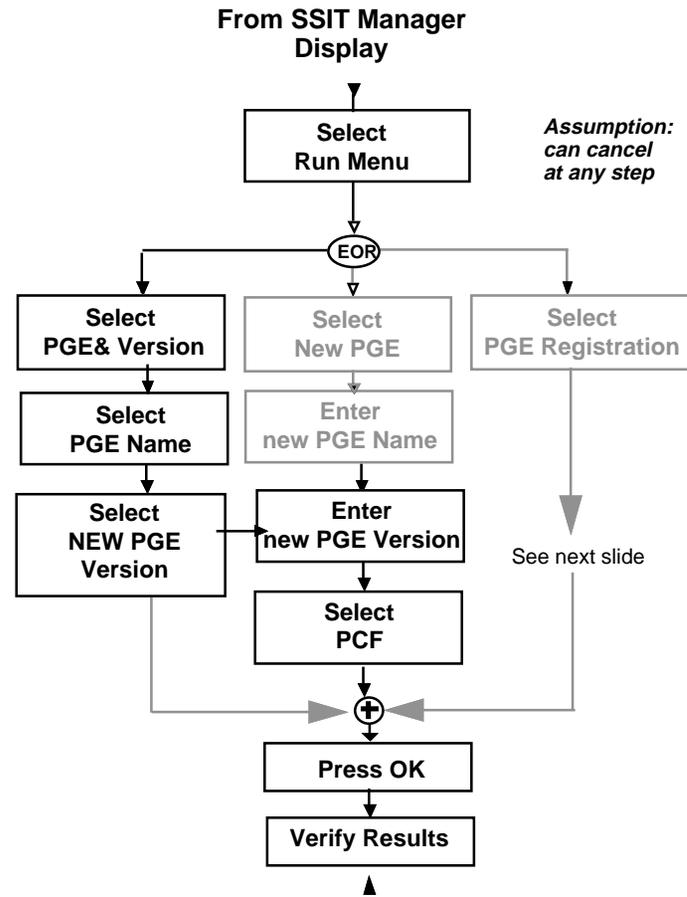
PDPS





SSIT Update PGE Profile Workflow

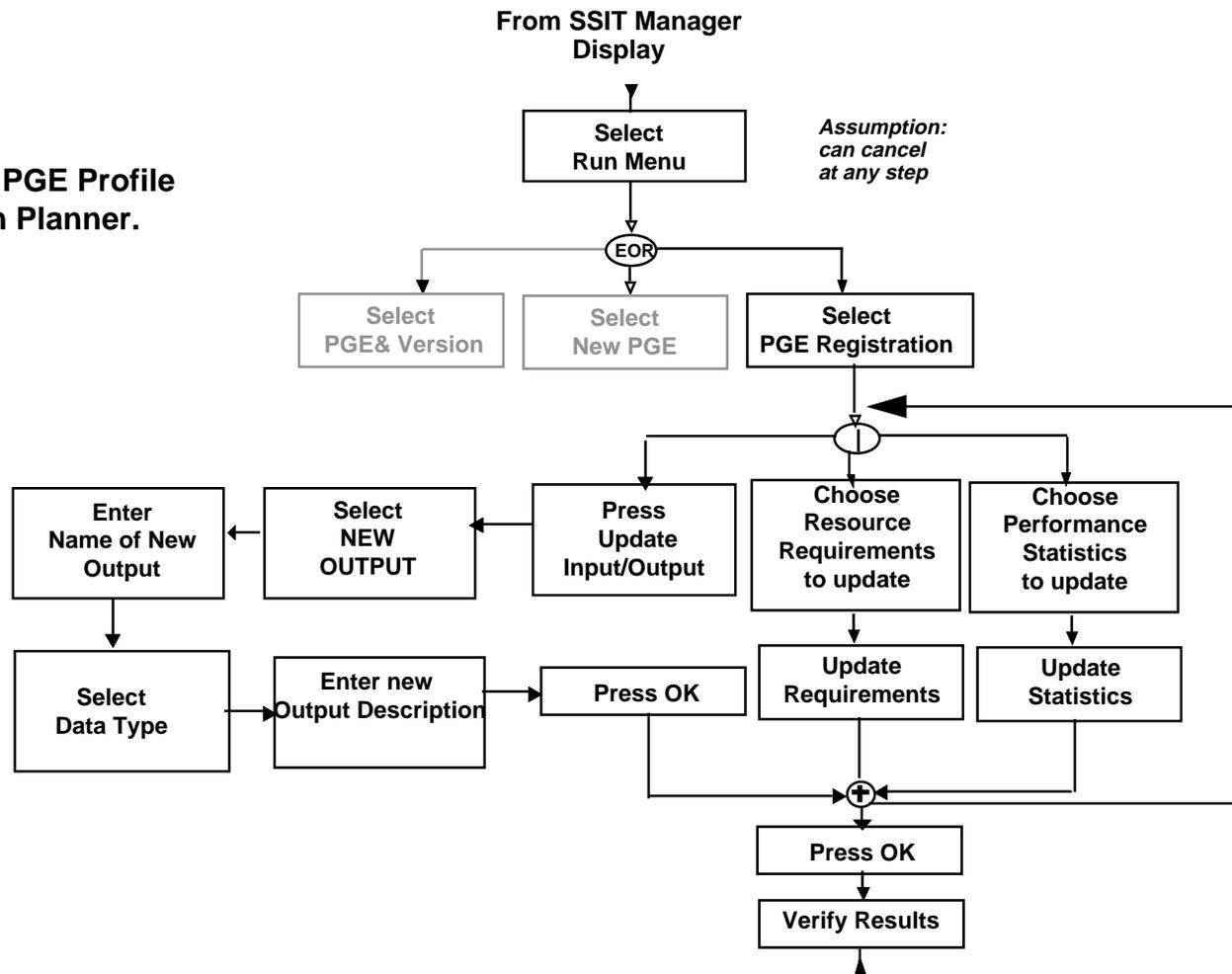
Activity -Update PGE Profile
Role -Production Planner.





SSIT Update PGE Profile Workflow (cont)

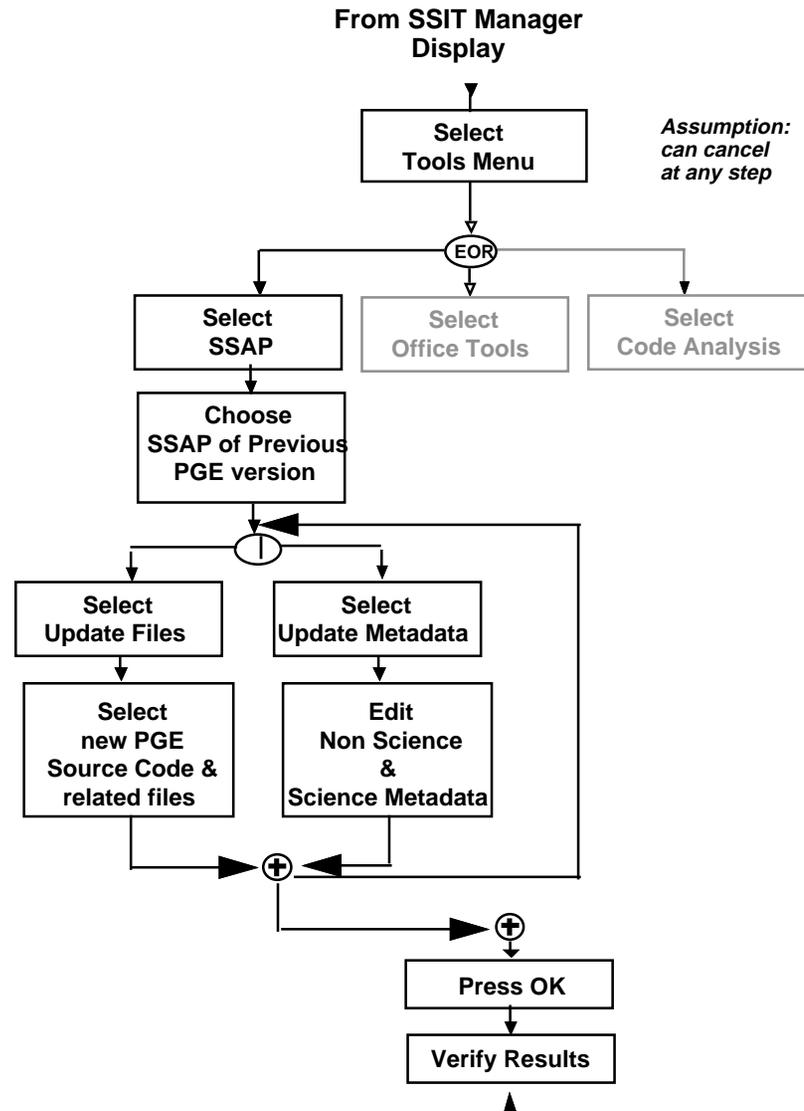
Activity -Update PGE Profile
Role -Production Planner.





SSIT Create SSAP for Updated PGE

Activity -Create SSAP
Role -Data Specialist



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Data Activity -1



Operator Function	Data Element	Interaction
Edit Science Software Archive Package	Source Code Files	Input
	Related Files	Edit
	Compile Script Files	Edit
	Documentation Files	Edit
	Test Plan Files	Edit
	Test Data Files	Edit
	Coefficient Files	Edit
	PCF	Edit
	Metadata Config File	Edit
Software Archive Metadata	Non-Science Metadata	Edit
	Science Metadata	Edit

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Data Activity -2



Operator Function	Data Element	Operator Interaction
Edit PGE Profile	Output Name	Input
	Output Description	Edit
	Text Description	Input
	Catalogue Category	Edit
	Instrument Name	Edit
	Satellite Name	Edit
	Processing Center	Edit
	Archived Center	Edit
	Dependant Centers	Edit

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Data Activity -3



Operator Function	Data Element	Operator Interaction
Edit PGE Profile	Resource Requirements	Edit
	Computer	Edit
	Operating System	Edit
	Number CPUs	Edit
	Disk Space	Edit
	Performance Statistics	Edit
	CPU Time	Edit
	Elapsed Time	Edit
	Shared Memory Use	Edit
	Max Memory Use	Edit
	Page Faults	Edit
	Swaps	Edit
	Block Input Operations	Edit
	Block Output Operations	Edit