



Australian Government
Geoscience Australia



WORKFLOW MANAGER IN THE NATIONAL LOCATION INFORMATION GROUP

Presented by Robert Newham

Why we needed Workflow Manager

The challenges we faced

Spatial awareness of projects
across the group

Provide visibility of project
work

Documented & discoverable
procedures and processes

Ensure accountability for
work, projects and programs

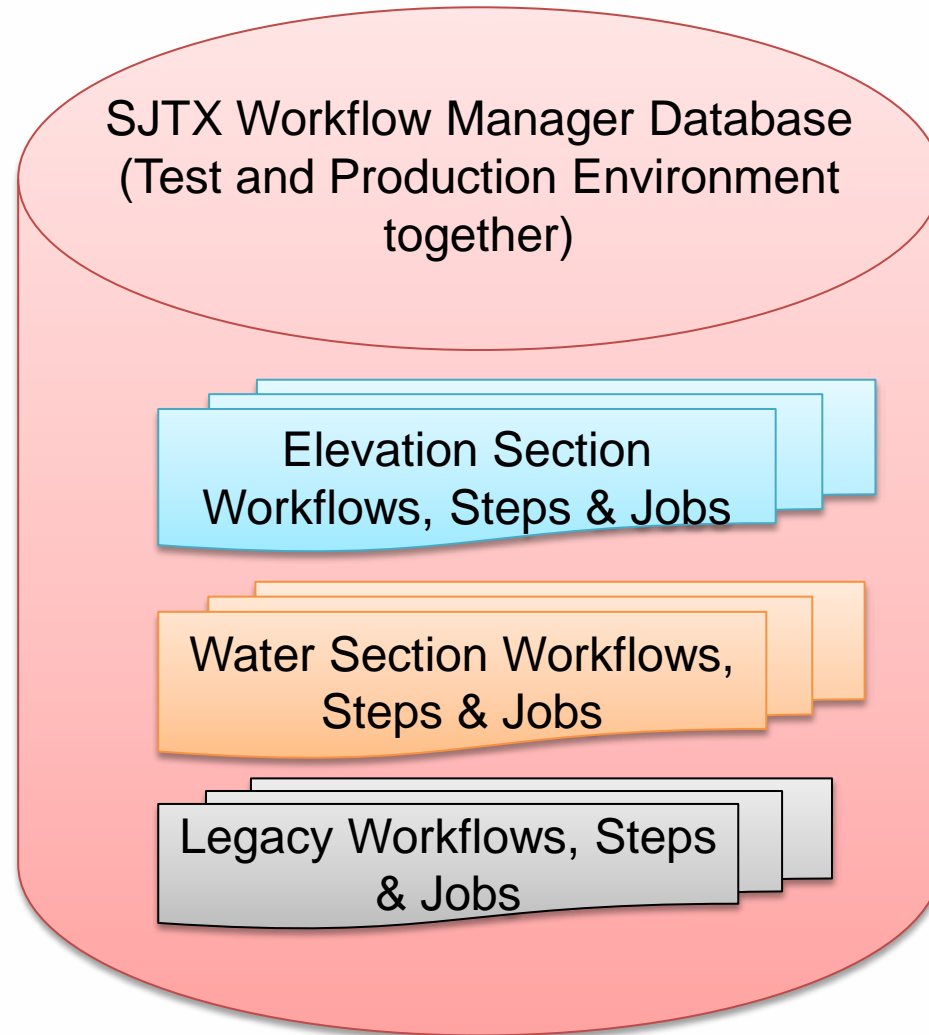
Monitor & report work progress

Provide visibility of Quality
Assurance and Quality
Control

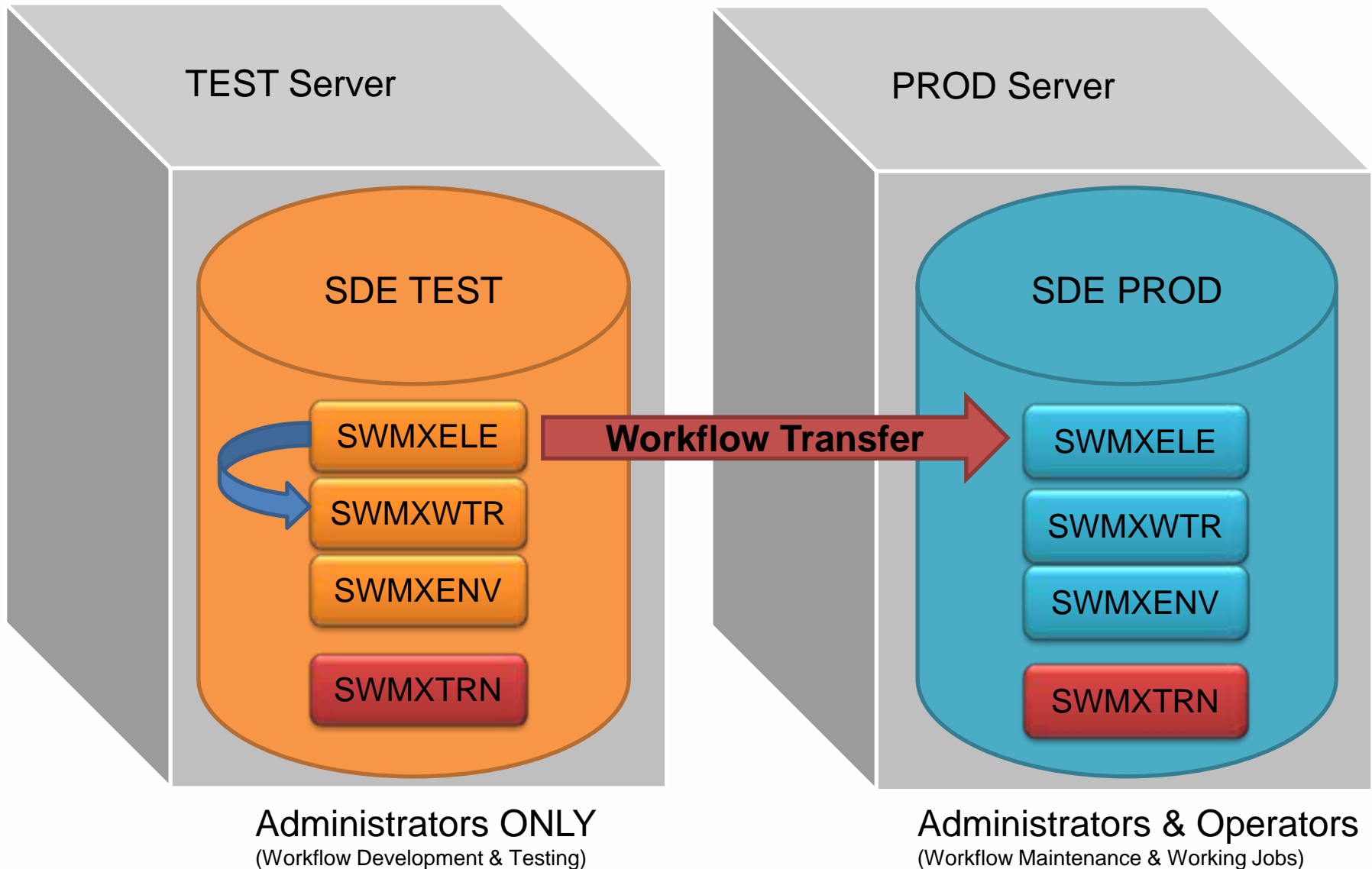
Identify inefficiencies &
development requirements in
procedures & processes

Record Ad Hoc work
which is undertaken

Workflow Manager – The Beginning



Setup of Separate Instances



How we use Workflow Manager

Job Types

Job Steps

Job Level

Program

e.g. Murray Darling Basin Elevation Program
e.g. 2013-14 GeoFabric Work Program



Parent

Project

I.e. Work Packages

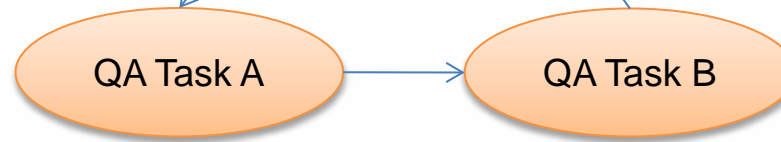
e.g. Namoi LiDAR Acquisition
e.g. Condamine Catchment Update



Child

Sub-Process

e.g. QC Workflow



Child of Child

Integrating Existing Procedures

The screenshot displays the ArcGIS Workflow Manager interface. A red circle highlights the 'Visual Analysis' section, which contains the following content:

Visual Analysis

Page Administrators

This page is maintained by QC team leader (primary) and QC team members (secondary).

This page describes the Visual QC process.

Before you Begin

- Ensure your working MXD has been setup with the appropriate datasets loaded. This should have been done in the Setup ArcGIS steps.
- Ensure the Point Cloud Statistics and the Fundamental and Supplemental Vertical Accuracy assessment stages have been completed.
- Ensure you have created the Error QC St which will be used in report issues with the LAS data.

The interface also shows a 'Job-Query Results - List View' table with columns: Job Name, Assignee, Job Type, Status, and Percentage Complete. The table contains one row: '3D Laser Strip Area & SUI' assigned to 'Robert Neesham' with a status of 'Working' and 1% completion.

Below the highlighted section, there is a 'Job Properties' panel for Job ID 228, Job Name 'Visual QC', and Job Type 'QC Sub-Process'. It also shows a 'Job Overview' table with columns: Job Overview, Job Assignment, Job Name, Priority, and Parent Job.

At the bottom right, a workflow diagram is visible, showing a sequence of steps with a red circle around the 'Visual Analysis' step.

Creation of the Steering Group



Future Directions

Upgrade to 10.2

Upgrade Oracle Servers

Use of Workflow Manager
Server & Flex Viewer

Implement Across the
Group

Create Robust Workflows

Workflows with Task
Assistant Manager



Australian Government
Geoscience Australia



Questions?

Robert Newham

Phone: +61 2 6249 9396

Web: www.ga.gov.au

Email: robert.newham@ga.gov.au

Address: Cnr Jerrabomberra Avenue and Hindmarsh Drive, Symonston ACT 2609

Postal Address: GPO Box 378, Canberra ACT 2601