

# PowerScribe Advanced Data Integration

Automate data transfer. Reduce reporting errors.

Like other businesses, radiology practices must enhance the customer experience, improve quality, and reduce costs to remain profitable. Key strategies include eliminating redundant workflows and employing processes and tools to improve report accuracy, completeness, compliance, and timeliness.

Many radiology procedures (particularly ultrasounds) require entry of specific data directly into the imaging device at the time of the study. In some cases, values may not be consistent with reporting standards and must be normalized, for example, centimeters vs. millimeters or date/time formats.

In other scenarios, technologists record information on paper forms that are then provided to the radiologist for incorporation into the report, which can be time-consuming and error-prone.

Manual processes to mitigate and address these workflow challenges can delay report turnaround time and pose risks for reporting errors that can compromise patient care. The right technology can help.

## ModLink for PowerScribe®

Nuance has partnered with Hyland Healthcare to provide an easily implemented software solution to transfer structured report measurements from any capable device or modality directly into PowerScribe 360 Reporting or PowerScribe One.

Hyland's PACSgear ModLink is a vendor-neutral, structured report (SR) system that accepts DICOM SRs and HL7 messages, translates and normalizes values per department specifications, and forwards the translated values to a voice recognition system via an API message.

The normalized data seamlessly flows into appropriate fields in the final report, automatically conforming to site-specified standards for size and weight measurements, dates, decimal places, etc., along with alerts for out-of-range values.

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## KEY BENEFITS

- **Reduces documentation errors** by transmitting data from imaging devices directly into the PowerScribe report template.
  - **Improves report completion time** by as much as 20%.
  - **Generates accurate, data-rich reports** without the need for radiologists or technologists to retype or speak at time of interpretation.
  - **Enables radiologists to focus on the clinical narrative**, convey depth of expertise, and maintain required level of productivity while optimizing data accuracy.
  - **Achieves time-savings** with auto-import of measurement, dose, and other relevant data.
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## ModLink Web Forms

Additional benefits can be realized by replacing technologists' paper worksheets with web-based electronic forms. Adding ModLink Web Forms can streamline a technologist's initial data entry process, eliminating the need for radiologist data entry at the time of interpretation.

Data that is entered into the electronic form at the time of the study is automatically normalized and mapped to the dictation system and incorporated into custom fields in the final report. This not only saves time and eliminates redundancy, but also can significantly reduce errors that occur when data is manually transferred from paper worksheets to a final report.

## Streamlined workflow

ModLink Web Forms has the capacity to launch from the outside (PACS) system while passing patient context and study information, eliminating the need for patient lookup.

Forms are customizable and can be designed to exactly mimic the paper version, promoting ease of integration into existing workflows.

ModLink data integration allows us to capture the data right from the modality, so the radiologist doesn't have to dictate or manually enter the information. This dramatically increases report accuracy and improves turnaround time."

— Ann Minton, PACS Administrator, HIS Analyst,  
Good Shepherd Health Care System (OR)

## About Hyland Healthcare

Hyland uniquely delivers a complete patient record within the core EHR applications you use today. Hyland OnBase Content Management combines industry-leading technology, including vendor neutral archiving, enterprise content management, enterprise viewing and PACSgear connectivity. With Hyland technology, you can make more informed decisions, future-proof your business and maximize your technology investments.

## LEARN MORE

Visit [nuance.com/healthcare](https://nuance.com/healthcare).

## KEY FEATURES

- **Seamless** integration with PowerScribe 360 Reporting and PowerScribe One.
- **Customizable** field mapping, data conversion, and translation algorithms.
- **Adaptable** to most vendors/modalities
- **DICOM SR/HL7/XML** compatibility.
- **Easy-to-use** tools for custom web form creation.
- **Enhanced** tools for managing job queue.

County Hospital DEPARTMENT OF RADIOLOGY  
Pelvic Ultrasound Worksheet

Name: \_\_\_\_\_ Date: \_\_\_\_\_ MHI: \_\_\_\_\_  
Physician: \_\_\_\_\_ DOB: \_\_\_\_\_ AGE: \_\_\_\_\_ PACS ID: \_\_\_\_\_

Reason for US: \_\_\_\_\_  
Prior US: \_\_\_\_\_  
LMP: \_\_\_\_\_ G: \_\_\_\_\_ P: \_\_\_\_\_ A: \_\_\_\_\_ Menopausal: \_\_\_\_\_ Luteal Allergy? \_\_\_\_\_ W: \_\_\_\_\_ D: \_\_\_\_\_  
Hormone Replacement Therapy? \_\_\_\_\_ Birth Control: \_\_\_\_\_ Type: \_\_\_\_\_ Gest Age by LMP: \_\_\_\_\_  
Pregnancy Test: \_\_\_\_\_ Type: \_\_\_\_\_ BICA Level: \_\_\_\_\_ +BICA Gene: \_\_\_\_\_  
Date of Previous US: \_\_\_\_\_ Other: \_\_\_\_\_ (Specify what type and which body part)

Other Surg: \_\_\_\_\_ Other Surg: \_\_\_\_\_ Other Surg: \_\_\_\_\_  
\*Always mention reason in the Hx of this population. In all patients on patients with a positive personal or family history, discuss treatment age (start menopausal patient), or a negative finding once. Both events must be displayed (bold text) and color for comparison.

**Sonometer's Comments Only - Radiologist Report Will Follow - Image in the following order**

Uterus: L W H  
Endometrium: \_\_\_\_\_  
Comments: \_\_\_\_\_  
Cervix: \_\_\_\_\_  
Nabothian Cyst(s): \_\_\_\_\_  
Comments: \_\_\_\_\_  
Long UT Sweep: \_\_\_\_\_ Trc UT Sweep: \_\_\_\_\_ UT Coronal Reconstruction (only if pathologic suspected)

REOV: L W H  
\*If appropriate, scan and/or print to criteria and save as PFI & CT image.  
Transvers sweep performed: \_\_\_\_\_  
Diastolic Aortic: \_\_\_\_\_  
Hx Vascularity: \_\_\_\_\_  
PI (abnormal <4): \_\_\_\_\_  
PI (abnormal <3): \_\_\_\_\_

Comments: \_\_\_\_\_ If Yes, Approx. Amount: \_\_\_\_\_ TV Exam: \_\_\_\_\_

Chaperone (only if Sonographer): \_\_\_\_\_  
Sonographer: \_\_\_\_\_ Total # of Images: \_\_\_\_\_



## About Nuance Communications, Inc.

[Nuance Communications](https://nuance.com/healthcare) is a technology pioneer with market leadership in conversational AI and ambient intelligence. A full-service partner trusted by 77 percent of U.S. hospitals and more than 75 percent of the Fortune 100 companies worldwide, Nuance creates intuitive solutions that amplify people's ability to help others. Nuance is a Microsoft company.