International Healthcare IT Standards

IHE: Integrating the Healthcare Enterprise is an international organization of vendors and healthcare professionals.
https://www.ihe.net/

IHE's Pathology & Lab Medicine (PaLM) domain describes use cases, common workflows, and needed Healthcare IT standards like DICOM and HL7 to solve these use cases.
https://www.ihe.net/ihe_domains/ihe_pathology_and_laboratory_medicine/

A new IHE profile defined for Pathology is "Digital Pathology Workflow – Image Acquisition" (DPIA).
https://www.ihe.net/anatomic_pathology/

- Integration between WSI acquisition, LIS, and Image Management
- Uses HL7 and DICOM standard

General IHE IT profiles are suited for sharing, e.g., documents and images (XDS-i) and complete workflows (XDW), including needed security policies like authentication, logging, etc.

DICOM: well-established standard (until now, mainly outside of pathology) for healthcare images, including all relevant meta-data. https://www.dicomstandard.org/

Both IHE and DICOM have an active working group, also organizing events where vendors can showcase their implementations.

DICOM tends to be the standard for the exchange o image related information.

The relevant working group in IHE is the PaLM technical committee for Pathology and Laboratory Medicine.

Broad IHE reference: https://wiki.ihe.net/index.php/Main_Page

PaLM specific reference: https://wiki.ihe.net/index.php/Pathology_and_Laboratory_Medicine_(PaLM)

There are several relevant working groups in DICOM with the primary group for DPWG26 for Pathology.

Broad DICOM reference: https://www.dicomstandard.org/

Specific WG references: https://www.dicomstandard.org/activity/wgs

WG26 – Pathology: https://www.dicomstandard.org/activity/wgs/wg-26