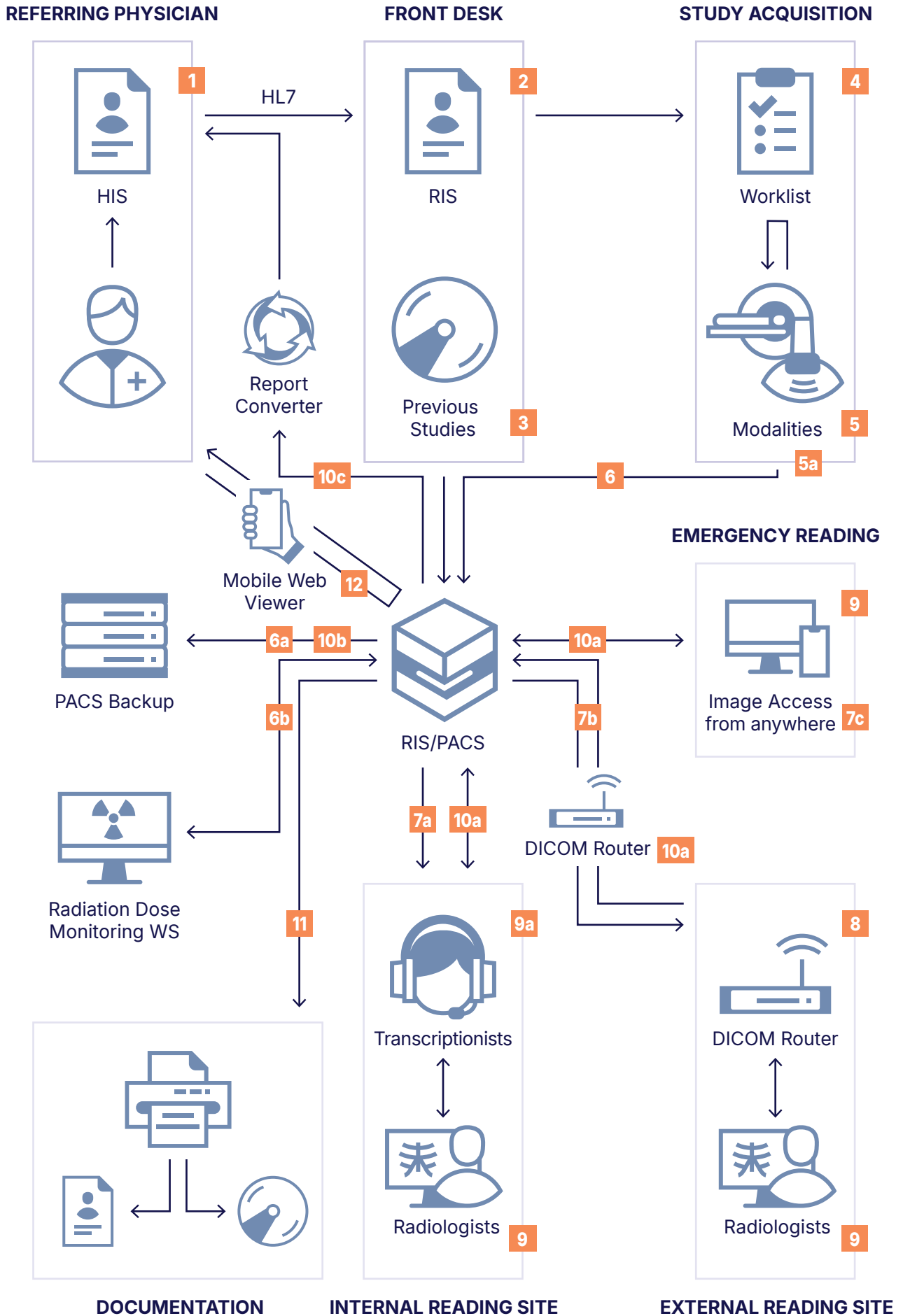


General Radiology Workflow





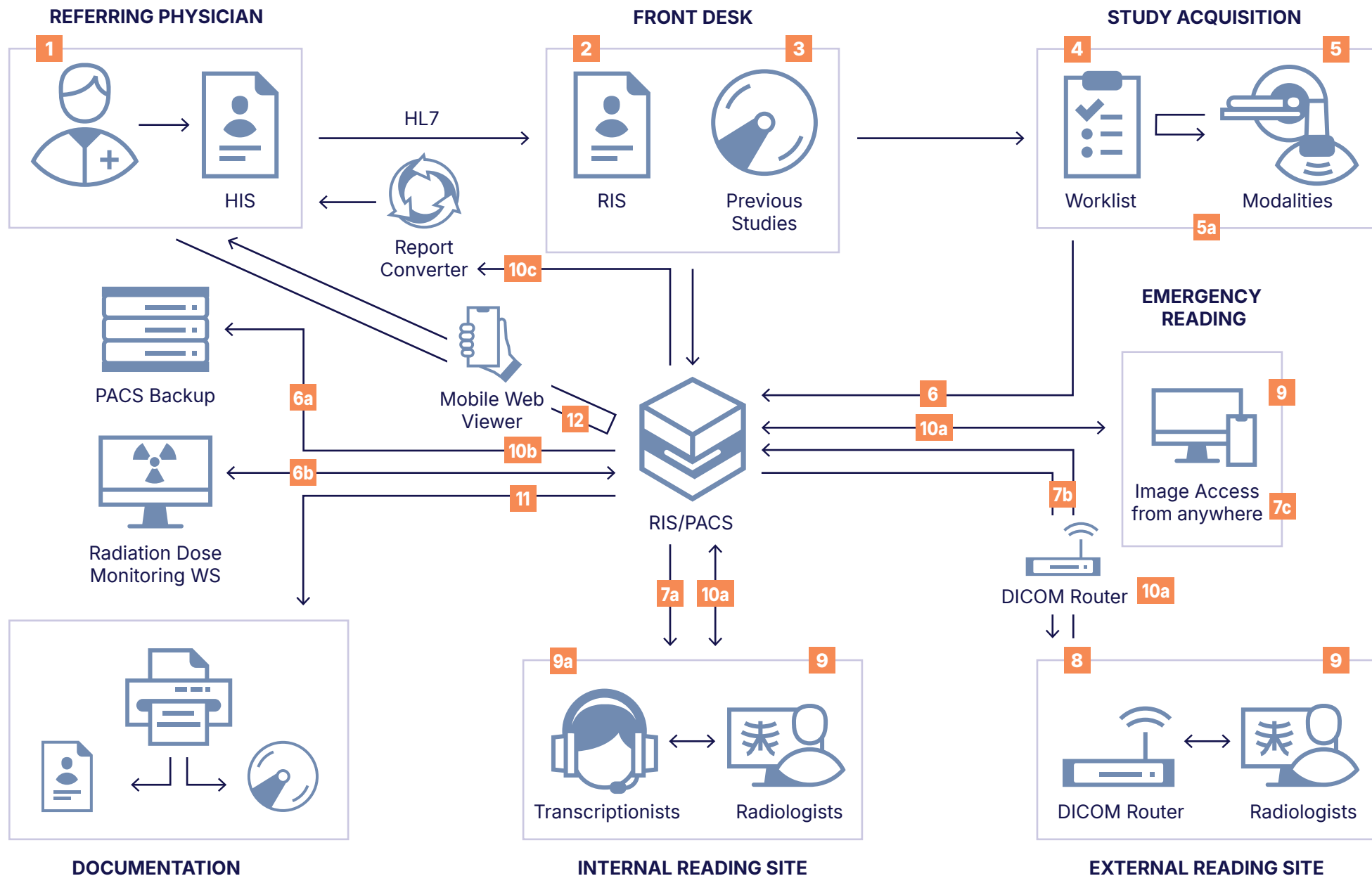
General Radiology Workflow

- 1** Physicians refer patients to the radiology department.
- 2** Scheduled patient arrives and delivers previous images and reports on CD/DVD/BD or USB.
- 3** The receptionist uploads previous studies to the PACS (**DICOMReader**).
- 4** Procedure data is provided by the DICOM modality worklist (**iQ-WORKLIST**).
- 5** Modalities query the worklist for patient demographics and study acquisition.
- 5a** Procedure documentation, e.g. contrast agent, radiation dose, etc.
- 6** Images are stored on **iQ-WEB** PACS server.
- 6a** **iQ-WEB** sends a copy of all images to the backup PACS (another **iQ-WEB**).
- 6b** Radiation protection officer will be notified by **iQ-DOSE** in case an overdose is detected. Any intended or unintended overdose can be easily documented for legal and quality assurance reasons.
- 7a** **iQ-WEB RIS** provides reading list.
- 7b** **iQ-ROUTER** speeds up the distribution of DICOM images to external reading sites.
- 7c** During night shifts, **iQ-4VIEW** allows for emergency reading incl. structured reporting (SR).
- 8** The external router receives the images and sends them to the corresponding workstation.
- 9** Inhouse radiologists receive images and create reports, using digital dictation or voice recognition (**iQ-VIEW**).

The external radiologists read the images and create reports (**iQ-VIEW**).

The radiologist on night duty performs emergency reading from home (**iQ-4VIEW**).
- 9a** Transcriptionists enter or correct the dictations.
- 10a** Reports are approved and sent back to the PACS for storage.
- 10b** A copy of the reports is sent to the backup PACS.
- 10c** The report converter (**iQ-WEB REPORT CONVERTER**) makes DICOM SRs available to the HIS.
- 11** Images and reports can be burned on CD/DVD/BD (**iQ-ROBOT**) or printed on paper (**iQ-PRINT**).
- 12** Referring physicians access studies online or directly from HIS/EMR (**iQ-WEB WADO**).

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