



Mobile Interoperability 2

The IHE Mobile Interoperability profile

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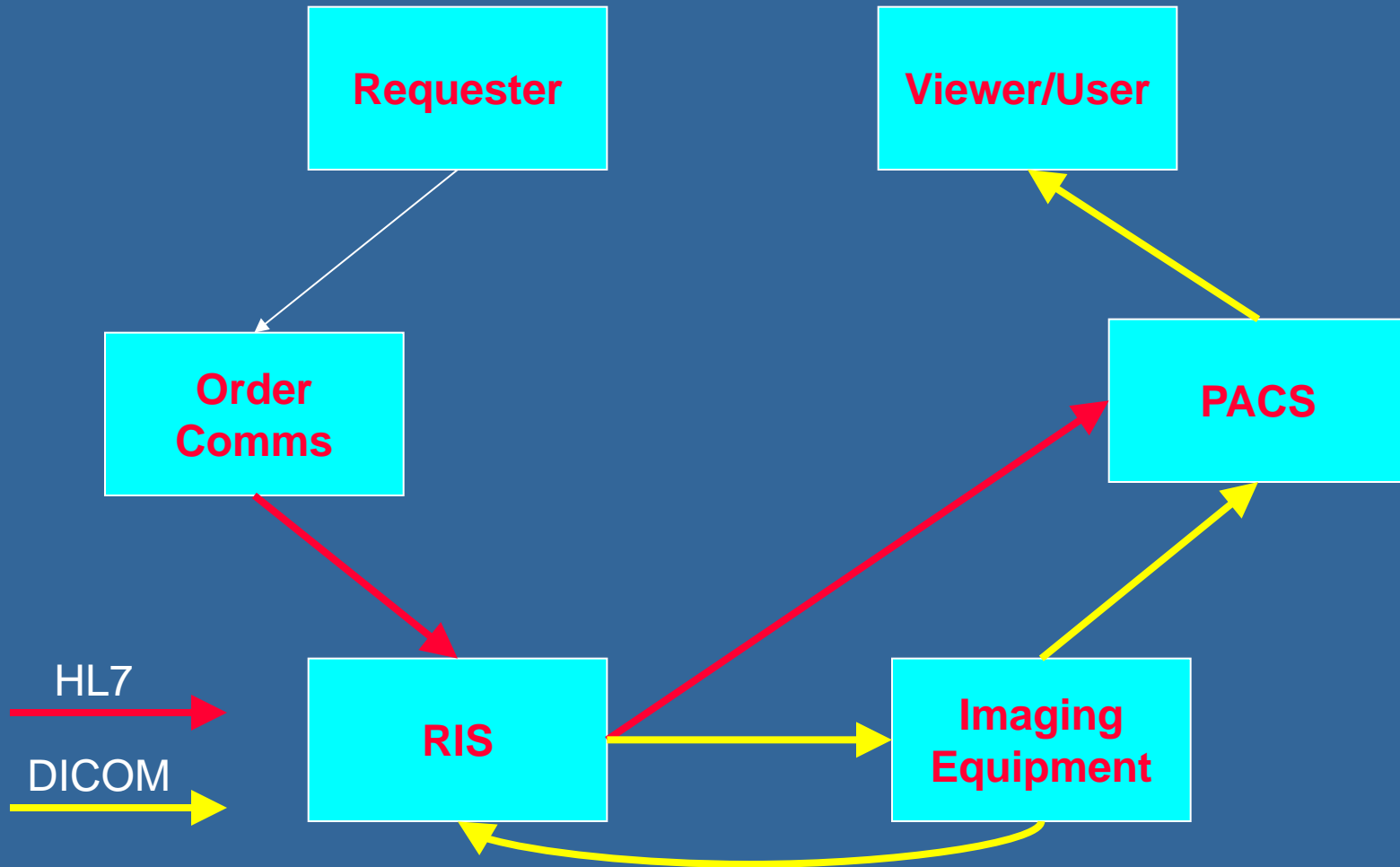
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 Changing the Way Healthcare **CONNECTS**

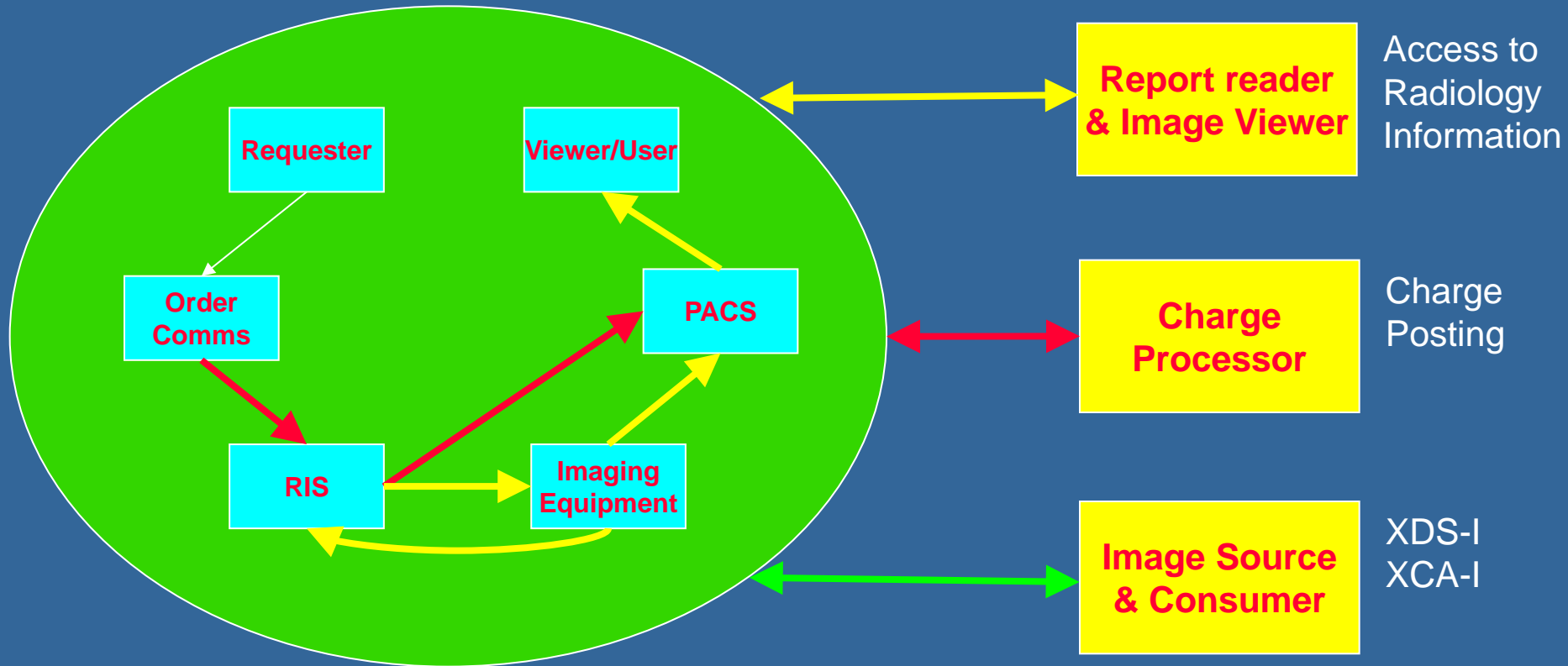
IHE Profiles

- Groupings of “actors” required to fulfil a requirement in healthcare IT
- Specifications of “transactions” between those actors, based on best practice use of existing standards
- Many profiles are designed to work together, making best use of common data models

Radiology Scheduled Workflow



Peripheral Radiology Profiles

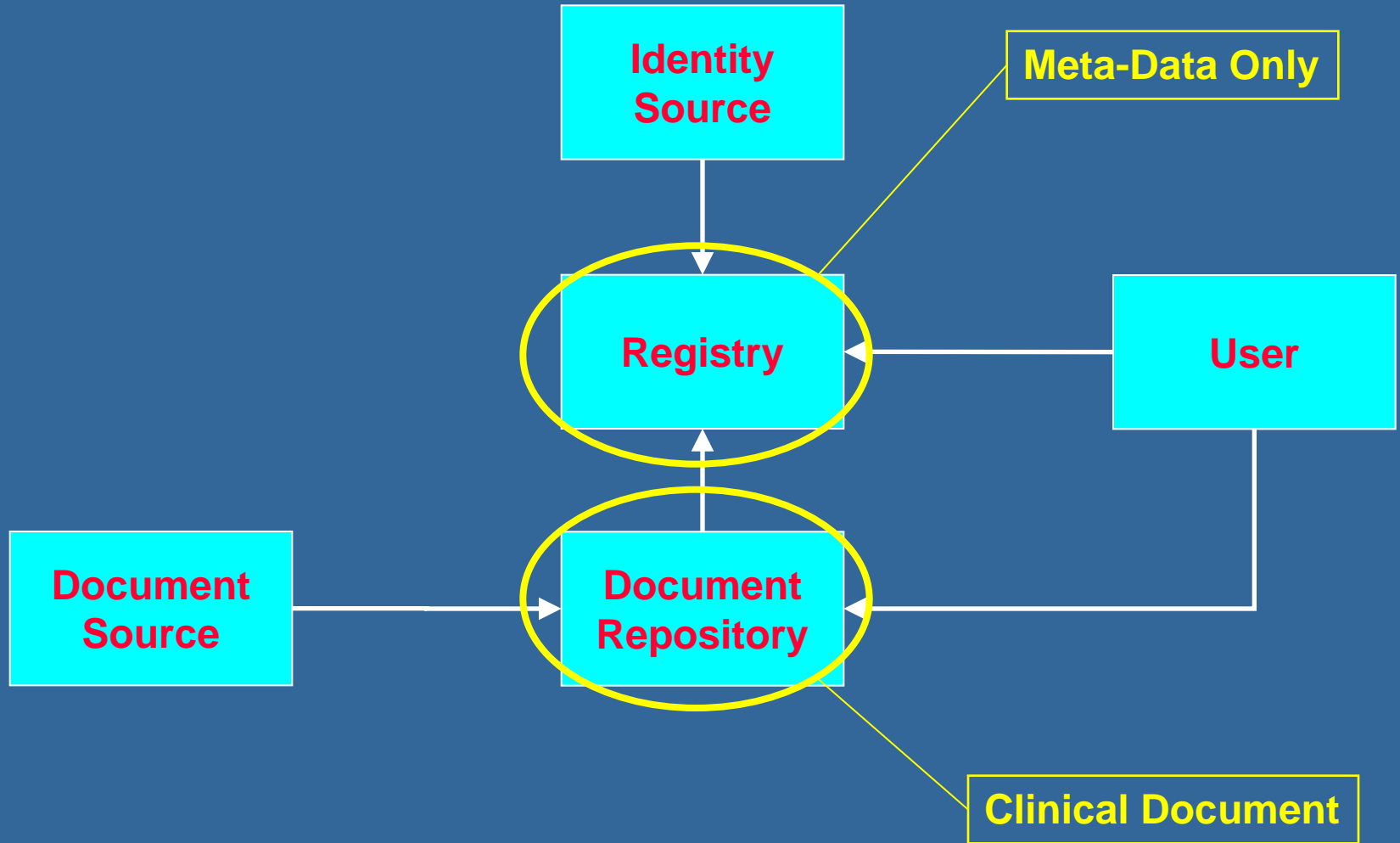


+ content specific profiles:
Mammo, Nuclear, Cardiology etc.

Needs of Mobile Devices

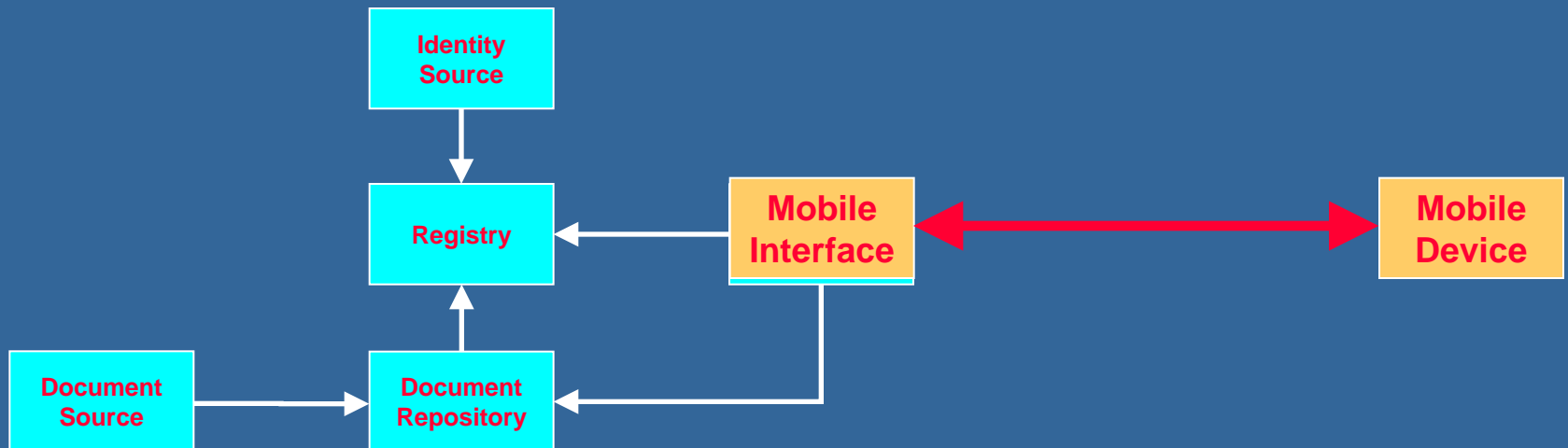
- **As described by FHIR**
 - Simple data
 - Easy to script
- **So really a no-brainer to use FHIR**
- **But still needs an underlying stable data model**
- **And means to ensure that the model and the access protocol are “tied together” correctly**

Overview of XDS



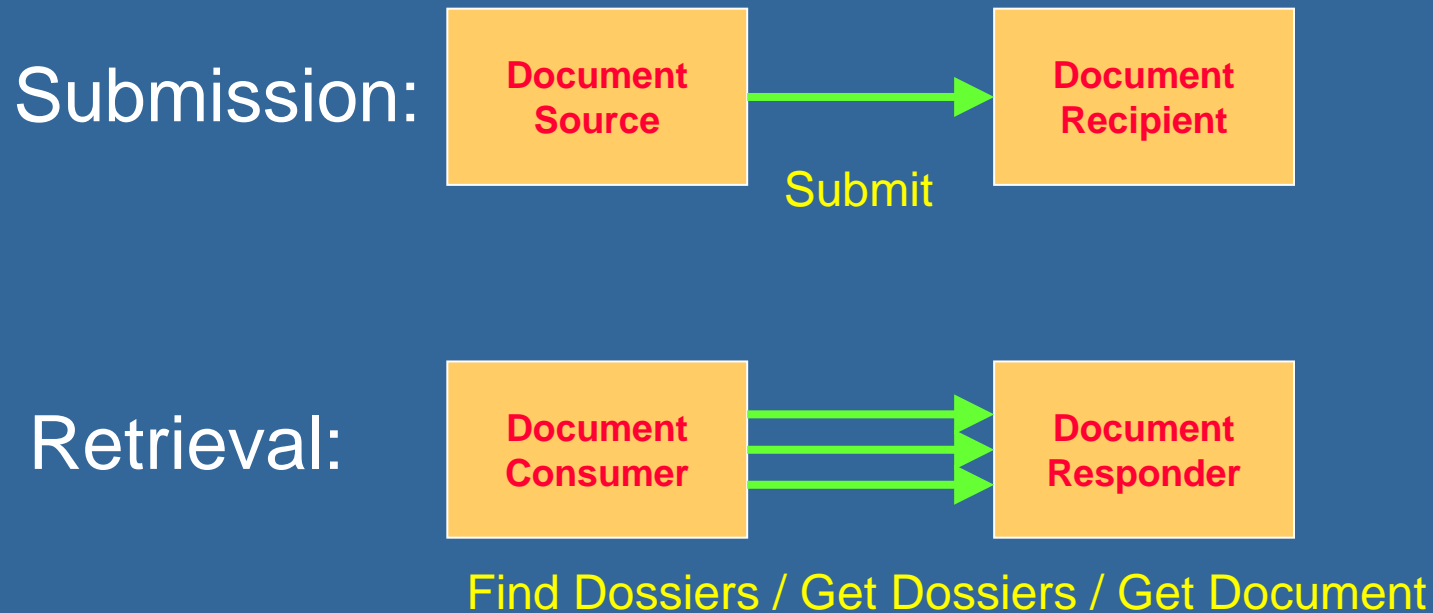
How IHE & FHIR can fit together

- XDS provides a solid, tested and working data model
- FHIR provides a simple, elegant method of access
- We just need to tie them properly together to get best of both worlds



The Mobile Health Document Profile (MHD)

- Relatively new profile, still undergoing development
- Defines 4 new actors:



MHD as “XDS-Lite”

- Allows both creation of and access to documents
- Simplified document lifetime model
- Simplified submission set/folder structure called a “dossier” (but with defined mapping to XDS equivalents)

“MHD leverages the metadata concepts from XDS, but simplifies the technology requirements for access by mobile devices. The MHD profile defines a Document Dossier that is focused on the Document Entry as defined by XDS with all the related metadata including Submission Sets, Folders, and Associations. The MHD profile does not replace XDS. It enables simplified access by mobile devices to an XDS (or a similar) document management environment containing health information.”

Status

- Released September 2013
- “For Trial Implementation”
- Further alignment with FHIR is ongoing:

“The IHE MHD profile and the HL7 FHIR activities are working together to revise and enhance the transactions profiled here. At present, the MHD profile is being held stable while the FHIR development activity proceeds. The schema and details shown here in the MHD profile differ slightly from the FHIR proposal, and FHIR is still evolving.

When FHIR reaches a natural stable point, this MHD profile will be updated to reflect the changes made in FHIR.”