IHE Work Item Proposal (Short)

# Proposed Work Item: Federation Directory Grouping

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Domain: ITI

# The Problem

Given the work in mCSD and the Topologies white paper to define document sharing topologies such as federation in more detail, there is a need to define how implementers may group these directory representations with addressing and routing behaviors of IHE document sharing profiles.

# Key Use Case

Enable an mCSD Care Services Selective Supplier to describe not only its document sharing topology in a directory, but details about how requests and data will be routed, specific to grouped IHE profiles that support federation. Add normative routing requirements to be added to the existing document sharing transactions.

Enable an mCSD Care Services Selective Consumer to deterministically discover these details, answering questions such as:

* Which federated Organizations’ data will be included in aggregate responses?
* Which federated Organizations or related Practitioners may I target when using a transaction’s routing capability?

# Standards & Systems

FHIR

# Discussion

Proposed scope:

* XCDR: targetable communities (Organization)
* XDR: targetable intendedRecipients (Organization, Practitioner)
* MHD ITI-65: targetable intendedRecipients (Organization, Practitioner)
* XCPD: explicitly aggregated communities (Organization) (i.e. information identifiable as from those communities)
* XCPD: implicitly aggregated communities (Organization) (i.e. information consolidated; not identifiable as from those communities)
* XCPD: targetable communities (Organization)\*
* XCA: explicitly aggregated communities (Organization)
* XCA: implicitly aggregated communities (Organization)
* XCA: targetable communities (Organization)\*
* MHD ITI-66, ITI-67: explicitly aggregated communities (Organization)
* MHD ITI-66, ITI-67: implicitly aggregated communities (Organization)
* MHD ITI-66, ITI-67: targetable communities (Organization)

Scope would include potential additions/modifications to the mCSD Organization Affiliation Types code system to support specific needs of these groupings. See issue <https://github.com/IHE/ITI.Topologies/issues/5>

\*This work item would not include in its scope the actual transaction federation capabilities (e.g. targeted XCPD), only the grouping of these capabilities with the directory.