IHE Work Item Proposal (Short)

# Proposed Work Item: IHE MHD Implementation Guide

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# The Problem

FHIR uses Implementation Guides (IG) to describe specific Uses Cases. Next to the textual description conformance resources and terminology can be provided to facilitate conformance testing. IHE ITI has already specified ITI MHD conformance resources, however there are not yet packaged in a FHIR Implementation Guide. IHE Services is building up the infrastructure for testing interoperability based on FHIR IG’s and IHE profiles like MHD could be tested directly if the conformance resources can be accessed from an IG. In addition documentation and examples can be provided in an IG.

# Key Use Case

Provide an IG for MHD that can be used for validating correctness of implementations, support interoperability testing at IHE Connectathon’s / projectathon’s and allows to define of derived IG’s in other projects. FHIR IG’s can be managed and distributed based on the NPM specification.

# Standards & Systems

FHIR Implementation Guides: <https://www.hl7.org/fhir/implementationguide.html>  
FHIR conformance resources: <https://github.com/IHE/fhir>, experimental IG’s [1](https://github.com/IHE/ITI.MHD), [2](https://github.com/JohnMoehrke/MHD-fsh/)   
EVS Client with IG Support ([Link](https://ehealthsuisse.ihe-europe.net/EVSClient/fhir/validator.seam?standard=CH%3AFHIR%20R4&extension=MHEALTH))  
Example of IG which includes MHD conformance resources for [Swiss EPR mHealth IG](http://fhir.ch/ig/ch-epr-mhealth/index.html).  
FHIR package registry: <https://registry.fhir.org/>

# Discussion

Official formal IHE ITI conformance resources defined in an IG and managed by the IHE ITI tech committee should be a key focus in developing FHIR based profiles.