IHE Work Item Proposal (Short)

# Proposed Work Item: jDSG

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# The Problem

IHE currently has a Document Digital Signature (DSG) profile that uses the XAdES-X-L specification for signing XML documents using a set of signature options (e.g. Detached, SubmisisionSet, Enveloping). There is an increasing use of the HL7 FHIR specification and usage of JSON representation of HL7 FHIR Documents, however DSG does not have an option for JSON content. Noting that HL7 FHIR specification does not have clear guidance on handling signatures, and in particular on JSON content, there is a interoperability gap.

# Key Use Case

A Content Creator that conforms to this profile shall have the capability to create a digital signature document on JSON content conforming to the Document Digital Signature content module using one of the signature option (Detached, SubmisisionSet, Enveloping)

# Standards & Systems

* Document Digital Signature (DSG)
* JAdES, the JSON analogue of XAdES used by DSG for XML content <https://www.etsi.org/deliver/etsi_ts/119100_119199/11918201/01.01.01_60/ts_11918201v010101p.pdf>

# Discussion

IHE already provides specification on document signature in an XML format.