



Document Subscription for Mobile (DSUBm), published by IHE IT Infrastructure Technical Committee. This is not an authorized publication; it is the continuous build for version 1.0.0-ballot. This version is based on the current content of <https://github.com/IHE/ITI.DSUBm/> and changes regularly. See the [Directory of published versions](#).

DSUBm Home

Official URL: https://profiles.ihe.net/ITI/DSUBm/ImplementationGuide/ihe.iti.dsubm	Version: 1.0.0-ballot
Active as of 2023-10-27	Computable Name: IHE_ITI_DSUBm

IHE provides multiple profiles for [mobile use](#) (e.g. [SVCM](#), [MHD](#), [MHDS](#), [NPFS](#)), defining many items (FHIR **resource**, Documents, etc.) that can be shared, searched, and retrieved with devices, but doesn't provide a common framework for subscribing those items.

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For documents, IHE provides an excellent tool to search and retrieve them through RESTful capabilities [Mobile Access to Health Documents \(MHD\)](#) but doesn't address the subscription from a mobile device although it's possible through a non-mobile application ([DSUB](#)).

The Document Subscription for Mobile (DSUBm) profile describes the use of document subscription and notification mechanisms for RESTful applications. In a similar way to the [DSUB](#) profile, a subscription is made in order to receive a notification when a document publication event matches the criteria expressed in the subscription.

This profile can be applied in a RESTful-only environment as [MHDS](#) but it can also be used with different non-mobile profiles as [XDS.b](#) and [DSUB](#). This profile intends to grant the same functionality as the [DSUB](#) profile and its supplements regarding Document subscription but also adding some other functionalities (e.g. Subscription Search).

This profile intends to be compliant with [Subscriptions R5 Backport](#).

Note

[Significant Changes, Open and Closed Issues](#)

Organization of This Guide

This guide is organized into the following sections:

- Volume 1:
 1. [Introduction](#)
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 3. [Actor Options](#)
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- Volume 2: Transaction Detail
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 5. [Resource SubscriptionTopic Search \[ITI-114\]](#)
- Other
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See also the [Table of Contents](#) and the index of [Artifacts](#) defined as part of this implementation guide.

Conformance Expectations

IHE uses the normative words: Shall, Should, and May according to [standards conventions](#).

Must Support

The use of `mustSupport` in StructureDefinition profiles equivalent to the IHE use of **R2** as defined in [Appendix Z](#).

`mustSupport` of true - only has a meaning on items that are minimal cardinality of zero (0), and applies only to the source actor populating the data. The source actor shall populate the elements marked with `MustSupport`, if the concept is supported by the actor, a value exists, and security and consent rules permit. The consuming actors should handle these elements being populated or being absent/empty. Note that sometimes `mustSupport` will appear on elements with a minimal cardinality greater than zero (0), this is due to inheritance from a less constrained profile.