

Registry Track

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Goal of this Presentation

- Summarize important points about registry track from W3C Process Document
 - With some interpretation indicated separately
- Give outlook to the future of binding templates, and possibly profiles and introduction mechanisms for discovery

Definition from W3C Process Document

[Working Groups](#) can also publish [registries](#) in order to document collections of values or other data. These are typically published in a separate [registry report](#), although they can also be directly embedded in [Recommendation Track](#) documents as a [registry section](#). [Defining a registry](#) requires [wide review](#) and [consensus](#), but once set up, changes to registry entries are lightweight and can even be done without a [Working Group](#). See [§ 6.5 The Registry Track](#) for details.

Meaning

- We can continue as a normal Recommendation/Note
- Include a **Registry Section** in the recommendation/note
- Switch to a **Registry Report**

Overall Structure

A **registry** documents a data set consisting of one or more associated **registry tables**, each table representing an updatable collection of logically independent, consistently-structured **registry entries**.

Analogy: Looking at the binding templates document, the core document is the registry document which has 3 registry tables: protocols, payloads and platforms. Each table has multiple entries, e.g. protocols has HTTP, CoAP etc.

Overall Structure

A registry has three associated components:

- the [registry definition](#), defining how the [registry tables](#) are structured and maintained
 - Analogy: How to write a protocol in the binding templates
- one or more [registry tables](#), holding the data set represented by the [registry](#) (the *registry data*)
 - Analogy: 3 tables with list of bindings
- one or more referencing specifications, which make use of the [registry](#)
 - Analogy: The individual bindings

Example Registry Report

- **WebCodecs Codec Registry**

§ 3. Audio Codec Registry

codec string	common name	public specification
flac	Flac	FLAC codec registration [WEBCODECS-FLAC-CODEC-REGISTRATION]
mp3	MP3	MP3 WebCodecs Registration [WEBCODECS-MP3-CODEC-REGISTRATION]
mp4a.*	AAC	AAC WebCodecs Registration [WEBCODECS-AAC-CODEC-REGISTRATION]
opus	Opus	Opus WebCodecs Registration [WEBCODECS-OPUS-CODEC-REGISTRATION]
vorbis	Vorbis	Vorbis WebCodecs Registration [WEBCODECS-VORBIS-CODEC-REGISTRATION]
ulaw	u-law PCM	u-law PCM WebCodecs Registration [WEBCODECS-ULAW-CODEC-REGISTRATION]
alaw	A-law PCM	A-law PCM WebCodecs Registration [WEBCODECS-ALAW-CODEC-REGISTRATION]
pcm-*	Linear PCM	Linear PCM WebCodecs Registration [WEBCODECS-PCM-CODEC-REGISTRATION]

§ 4. Video Codec Registry

FLAC WebCodecs Registration

W3C Group Draft Note, 4 January 2023



▼ More details about this document

This version:

<https://www.w3.org/TR/2023/DNOTE-webcodecs-flac-codec-registration-20230104/>

Latest published version:

<https://www.w3.org/TR/webcodecs-flac-codec-registration/>

Editor's Draft:

https://w3c.github.io/webcodecs/flac_codec_registration.html

Previous Versions:

<https://www.w3.org/TR/2022/DNOTE-webcodecs-flac-codec-registration-20221212/>

History:

<https://www.w3.org/standards/history/webcodecs-flac-codec-registration>

Feedback:

[GitHub](#)

Editors:

Paul Adenot ([Mozilla](#))

Bernard Aboba ([Microsoft Corporation](#))

There is also [WebCodecs Recommendation](#)

Questions?



Patent Policies

A [registry report](#) or [registry section](#) is purely documentary, is not subject to the W3C Patent Policy, and *must not* contain any requirements on implementations. For the purposes of the Patent Policy [\[PATENT-POLICY\]](#), any [registry section](#) in a [Recommendation track](#) document is not a normative portion of that specification.

Interpretation for Binding Templates: If the core document is a registry report, it cannot contain normative parts other than registry definition that applies for individual bindings.

Way Forward

- Core Document: Going for a normal REC track would not allow updating the list of bindings as the time goes on. A new REC publication is necessary even if we publish (separately) just another protocol binding and want to reference it in the core document.
 - Each binding being published as a REC is not the issue, referencing them in the core document is.

Way Forward

- Registry Tables are definitely needed. There are two ways to have them:
 - Binding Templates Core Document goes for REC with 3 registry sections
 - Binding Templates Core Document goes for Registry Track with 3 registry tables
- I do not see a big difference between the two in our case. Updating purely informative text (e.g. what is a binding) needs to be clarified for the registry track.

Questions?