

Technical Requirements for a HSDS Validator

- [Validator Technical Requirements](#)

Out of Scope

The following use-cases are considered out of scope for determining the technical requirements for a HSDS validator:

673	publisher	perform validation of my data against the HSDS Schema and/or a Profile schema	confirm that my data's schema is compliant with HSDS at a minimal, full, or Profile-specific level.
-----	------------------	---	---

Reason: when discussing schema validation there is no concept such as minimal, full, or profile-specific. Schema validation occurs against a schema and an instance of data which meets or does not meet the requirements of the schema.

268	OR team member	make sure all validation rules work with HSDS Profiles	ensure the Validator is suitable for all users and futureproof
-----	-----------------------	--	--

801	consumer	receive up-to-dateness metrics - on the last_assessed field	get an idea how well maintained the data is
-----	-----------------	---	---

Reason: there is no `last\_assessed` property defined in any of the HSDS Schemas. Further, determining how well the data is maintained, is a Data Quality concern rather than validity.

702	commissioner, consumer	check which fields are used throughout the data/sample	assess how useful a data feed is, and how it may be improved
150	commissioner	provide a summary of fields that are populated (or not) throughout the dataset	identify types of data that may be missing or in need of quality improvement

Reason: these are issues of data quality related to coverage of the standard. Work should focus on use cases for particular fields, and then separate tooling should be employed to assess whether a valid dataset contains these fields

234	consumer	see a dashboard that displays the status of validated API feeds	see what data is available for reuse
199	commissioner	see the status of distributed API feeds (i.e. on a dashboard)	assess the level of compliance for each of each publisher and select a supplier

923	commissioner	enter an API endpoint URL and initiate validation with the click of a button	run the validation process with minimal technical knowledge
-----	--------------	--	---

579	publisher	receive human-readable feedback that includes details about which fields have failed and why	understand – without being a code person – what i need to fix in my schema (or dataset?) in order to be compliant.
-----	-----------	--	--

Reason: these are user interface concerns, which should be features built atop an existing validation function

732	commissioner	have a log of results from endpoint tests over time	assess compliance over time (i.e. see that a publisher is meeting its commitment)
-----	--------------	---	---

826	commissioner / consumer	receive automated notification [by which method?] if a routine/schedule validation fails	know if a feed on which I rely is not available, and expedite a fix by the publisher
933	publisher	perform routine/scheduled validation of my API endpoint that sends me a notification if anything fails	be alerted that a change in my system has broken something that will need to be fixed.

Reason: People use existing setups for automating tasks and logging results e.g. `cron`, it is better to allow people to use their own setups to automate testing of feeds. Further, if people wanted to develop a dedicated application which validated HSDS feeds and notified people of broken feeds, this could be built separately using the validation functionality.