

std concepts: `same_as_any_of`, `convertible_to_one/all/any_of`

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1 Revision History

- R0
 - initial work

2 Intent

This paper suggests to add the following concepts to std: – `same_as_any_of` - requires a type to be the same as any of the given types. – `convertible_to_one_of` - requires a type to be convertible to exactly one of the given types (and only one). – `convertible_to_all_of` - requires a type to be convertible to all given types. – `convertible_to_any_of` - requires a type to be convertible to any number of the given types.

3 Motivation and Scope

4 Design Decisions

5 Code Example

6 Proposed Wording

7 Acknowledgements

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