Lantern Validation Rules and Descriptions

MITRE

Rule Name	Description	Reference Location
capStatExist	Servers SHALL provide a Capability Statement that specifies which interactions and resources are supported.	3.1.0 RESTful API
generalMimeType	FHIR Versions 1.0.2 requires the Mime Type to be application/json+fhir, and FHIR Versions 3.0.1 to 4.0.1 requires the Mime Type to be application/fhir+json.	3.1.0.1.9 Content Types and encodings
describeEndpointRule	A Capability Statement SHALL have at least one of description, software, or implementation element.	5.2.3.2 Constraints (**cpb-2**)
documentValidRule	The set of documents must be unique by the combination of profile and mode.	5.2.3.2 Constraints (**cpb-7**)
endpointFunctionRule	A Capability Statement SHALL have at least one of REST, messaging, or document element.	5.2.3.2 Constraints (**cpb-1**)
instanceRule	If kind = instance, implementation must be present. This endpoint must be an instance.	5.2.3.2 Constraints (**cpb-14**)
kindRule	Kind value should be set to 'instance' because this is a specific system instance.	**(Lantern-specific Business rule)**
messagingEndptRule	Messaging end-point is required (and is only permitted) when a statement is for an implementation. This endpoint must be an implementation.	5.2.3.2 Constraints (**cpb-3**)
searchParamsRule	Search parameter names must be unique in the context of a resource.	5.2.3.2 Constraints (**cpb-12**)
uniqueResourcesRule	A given resource can only be described once per RESTful mode.	5.2.3.2 Constraints (**cpb-9**)
smartResponse	FHIR endpoints requiring authorization SHALL serve a JSON document at the location formed by appending /.well-known/smart-configuration to their base URL.	8.2 FHIR Authorization Endpoint and Capabilities Discovery using a Well-Known Uniform Resource Identifiers (URIs)
versionResponseRule	The default FHIR version as specified by the $versions operation should be returned from server when no version specified.	5.2.10.4 Operation $versions on CapabilityStatement
otherResourceExists	The US Core Server SHALL support at least one additional resource profile (besides Patient) from the list of US Core Profiles.	10.2.2.3 FHIR RESTful Capabilities (#2)
patResourceExists	The US Core Server SHALL support the US Core Patient resource profile.	10.2.2.3 FHIR RESTful Capabilities (#1)
tlsVersion	Systems SHALL use TLS version 1.2 or higher for all transmissions not taking place over a secure network connection.	7.1 Patient Privacy and Security

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