Contributing a new API to Node-API

Node-API is the next-generation ABI-stable API for native modules. While improving the API surface is encouraged and welcomed, the following are a set of principles and guidelines to keep in mind while adding a new Node-API.

- A new API must adhere to Node-API API shape and spirit.
 - Must be a C API.
 - Must not throw exceptions.
 - Must return napi status .
 - Should consume napi env .
 - Must operate only on primitive data types, pointers to primitive data types or opaque handles.
 - Must be a necessary API and not a nice to have. Convenience APIs belong in node-addon-api.
 - Must not change the signature of an existing Node-API API or break ABI compatibility with other versions of Node.js.
- New API **should** be agnostic towards the underlying JavaScript VM.
- New API PRs must have a corresponding documentation update.
- New API PRs must be tagged as n-api.
- There **must** be at least one test case showing how to use the API.
- There **should** be at least one test case per interesting use of the API.
- There should be a sample provided that operates in a realistic way (operating how a real addon would be written).
- A new API should be discussed at the Node-API team meeting.
- A new API addition **must** be signed off by at least two members of the Node-API team.
- A new API addition should be simultaneously implemented in at least one other VM implementation of Node.is.
- A new API must be considered experimental for at least one minor version release of Node.js before it can
 be considered for promotion out of experimental.
 - Experimental APIs **must** be documented as such.
 - Experimental APIs **must** require an explicit compile-time flag (#define) to be set to opt-in.
 - Experimental APIs must be considered for backport.
 - Experimental status exit criteria **must** involve at least the following:
 - A new PR must be opened in nodejs/node to remove experimental status. This PR must be tagged as n-api and semver-minor.
 - Exiting an API from experimental **must** be signed off by the team.
 - If a backport is merited, an API **must** have a down-level implementation.
 - The API should be used by a published real-world module. Use of the API by a real-world published module will contribute favorably to the decision to take an API out of experimental status.
 - The API **must** be implemented in a Node.js implementation with an alternate VM.