USAGE OF HTTP STATUS CODES IN ECLIPSE ARROWHEAD 5.0
(AITIA & SINETIQ proposal)

AITIA is proposing to narrow the usage of HTTP status codes only to the following groups:

- 2xx (successful operations)
- 4xx (client errors)
- 5xx (server errors)

In general, the following status codes should be used (if it makes sense to the actual operation). In special cases other status codes are possible if none of the below ones are sufficient.

2xx (successful operations)

We suggest to only use:

- 200 OK
  General success.
- 201 CREATED
  The request has been fulfilled, resulting in the creation of a new resource.

4xx (client errors)

We suggest to only use:

- 400 BAD REQUEST
  The server cannot or will not process the request due to an apparent client error (e.g., malformed request syntax, size too large, etc…).
- 401 UNAUTHORIZED
  Client cannot be authorized due to unsuccessful authentication.
- 403 FORBIDDEN
  Client is successfully authenticated, but has no permission for the operation.
- 404 NOT FOUND
  The requested resource could not be found.
- 405 METHOD NOT ALLOWED
  A request method is not supported for the requested resource.
- 408 REQUEST TIMEOUT
  The server timed out waiting for the complete request.

5xx (server errors)

We suggest to only use:

- 500 INTERNAL SERVER ERROR
  A generic error message, given when an unexpected condition was encountered and no more specific message is suitable.

Error messages

If the http response status is 4xx or 5xx, the response body should contain a proper error message.