

StatusCodes.hpp

```
struct StatusCode
```

- Known status codes. Purposes of a predefined status code:
 - The error can be handled heuristically by the POS, e.g., receiving `device_not_ready` should retry the command after a short delay without user input.
 - The POS may want to translate the error message itself, instead of the localized prompts that we provide.
 - The POS might need to display a different prompt than the normal error message, e.g., show a “Display Configuration” button in addition to the standard “Cancel” and “Retry” buttons for the other error prompts.

```
static constexpr int32_t SUCCESS
```

```
static constexpr int32_t GENERAL_ERROR
```

A general error message should be displayed to the user with options to retry, abort, or wait.

```
static constexpr int32_t DEVICE_NOT_FOUND
```

- A device is configured but could not be found using the known connections. The message should be displayed to the current user so they can check the connection, on, connected, and ready.

```
static constexpr int32_t DEVICE_NOT_READY
```

- The device can be contacted but it is still loading or otherwise preparing. Resend the command after a brief delay to allow it to finish.

```
static constexpr int32_t DEVICE_CONNECTION_FAILED
```

- The connection was not able to be established with the device. This can happen because the device cannot pair with another device, or the device is not in pairing mode. Include an option to launch `DeviceConfiguration()` for more information.

```
static constexpr int32_t DEVICE_CONNECTION_LOST
```

The connection was lost unexpectedly.

```
static constexpr int32_t DEVICE_BUSY
```

- The device is currently handling other commands or interacting with other devices and cannot perform the request. The request might be helpful to display the error to the user.

```
static constexpr int32_t DEVICE_WARNING
```

- A general warning about the device, such as a low battery, with a message that should be displayed to the user, but does not require an action.

```
static constexpr int32_t DEVICE_ERROR
```

- A general error has occurred with the device, such as powering off due to insufficient battery. The message should be displayed to the user with an option to launch `DeviceConfiguration()` for more information.

```
static constexpr int32_t DEVICE_REJECTED_PAIRING
```

- Unable to pair: unexpected server response to request. Only occurs when the host or a server decides which devices are allowed to connect. The error cannot be retried, and generally implies that tech support should be contacted.

static constexpr int32_t NOT_ALLOWED

most likely due to the permission granted to the application or the user.

static constexpr int32_t CANCELLED

customer-facing display.

static constexpr int32_t ABORTED

static constexpr int32_t REAUTHENTICATION_REQUIRED

- Reauthentication required. This can occur when the current configuration is now out-of-date and must be updated, or the terminal is out of sync. The POS can either call Login() automatically, or prompt the user to login.

static constexpr int32_t CONTACT_ACQUIRER

- Contact acquirer. Terminal should provide any relevant details for the merchant when contacting the acquirer, including phone #,

static constexpr int32_t INVALID_STATE

- The current state cannot process the command. This refers to the state as returned by TransactionManager.getState(). The state must be updated to the desired state.

static constexpr int32_t INVALID_CONFIGURATION

- Returned when the internal configuration of the SDK is invalid. This should generally be resolved during development, and should not occur in production. If the error is not resolved, the configuration should be fixed before proceeding.

static constexpr int32_t INVALID_ARGUMENTS

- Returned when the command is missing some required field. This should generally be resolved during development, though it might occur in production. The command should be fixed without testing.

static constexpr int32_t COMMAND_IN_PROGRESS

- Command is already in progress. For example, when a payment is currently in progress and another payment is started. The current command cannot be started. This can occur for other similar commands as well.

static constexpr int32_t UNSUPPORTED_COMMAND

- Invalid command. Occurs when the current device does not support the requested command. Please use the isCapable() methods to check if the device supports the command before calling the API to avoid this error.

static constexpr int32_t COMMAND_TIMED_OUT

- A response was not received from the terminal in time. If this happens during a payment, querying the last transaction status can help recover. For most other operations, the command can simply be reissued.

```
static constexpr int32_t CONFIGURATION_REQUIRED
```

- The SDK requires configuration, generally because no devices have been paired. This generally happens during the first time the app is being used, and will not happen on subsequent launches, unless the persistent app data is lost. Please use the DisplayConfiguration

```
static constexpr int32_t MISSING_LISTENER
```

tions.

```
static constexpr int32_t RECEIPT_SUPPORT_REQUIRED
```

to handle the receipt

```
static constexpr int32_t CACHED_CONFIGURATION_MISMATCH
```

- A device is configured but could not recognize using the known parameters. POS needs to clear the cache and retry the connection.