

EPC SRTP related API Specifications – Preliminary Information

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European Payments Council AISBL,
Cours Saint-Michel 30 B-1040 Brussels
T +32 2 733 35 33
Enterprise N°0873.268.927
secretariat@epc-cep.eu

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|--------------------|---|
| Abstract | The present document provides preliminary information about the EPC SRTP scheme rulebook V2.1 related API specifications, available on the EPC website. |
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1. Background

The use of APIs for the exchanges between SRTP Service Providers will be mandatory for reachability purposes as of 30 November 2023 for all the SRTP scheme participants.

The SRTP scheme participants are free to use market developed APIs or the default EPC SRTP related API specifications. The version V1.0 of the EPC SRTP related API specifications was published on the EPC website on 30 June 2022.

The SRTP scheme participants are already allowed to use APIs (market APIs or default EPC APIs) as SRTP related messages transmission means.

2. Preliminary remarks

The approach followed by the EPC was to develop default SRTP related API specifications based on the translation of the existing XML messages detailed in the SRTP scheme Implementation Guidelines into API JSON format.

Therefore, the API flows and architecture can still be optimised, but based on the possible market feedback received, it is foreseen to enhance these SRTP related API specifications in the future.

Security related topics (i.e., identification, authentication, authorisation...) are not covered in the SRTP related API specifications. Recommendations will be provided at a later stage, by the end of 2022, in a separated document.

The SRTP related API specifications cover the SRTP related messages exchanged between the Payee's SRTP Service Provider and the Payer's SRTP Service Provider, in both directions. The two actors being API client or server depending on the situation.

Since some interactions may not be completed synchronously, a call back possibility has been set to send back asynchronous responses.

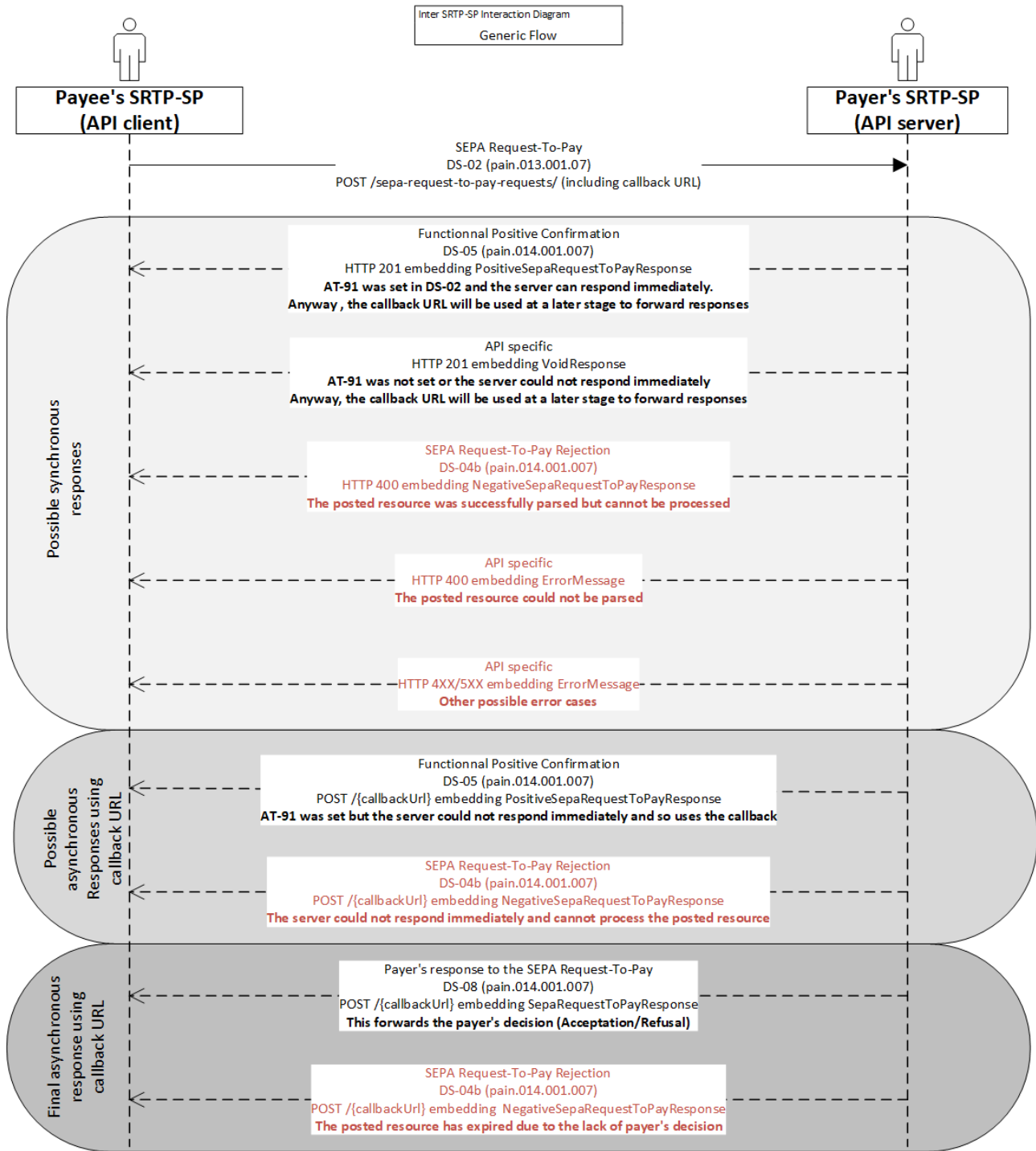
The following character case conventions are used:

- Upper CamelCase for components definition's names
- Lower CamelCase for properties name
- Spinal-case for path components

3. High level default EPC SRTP related API specifications flows

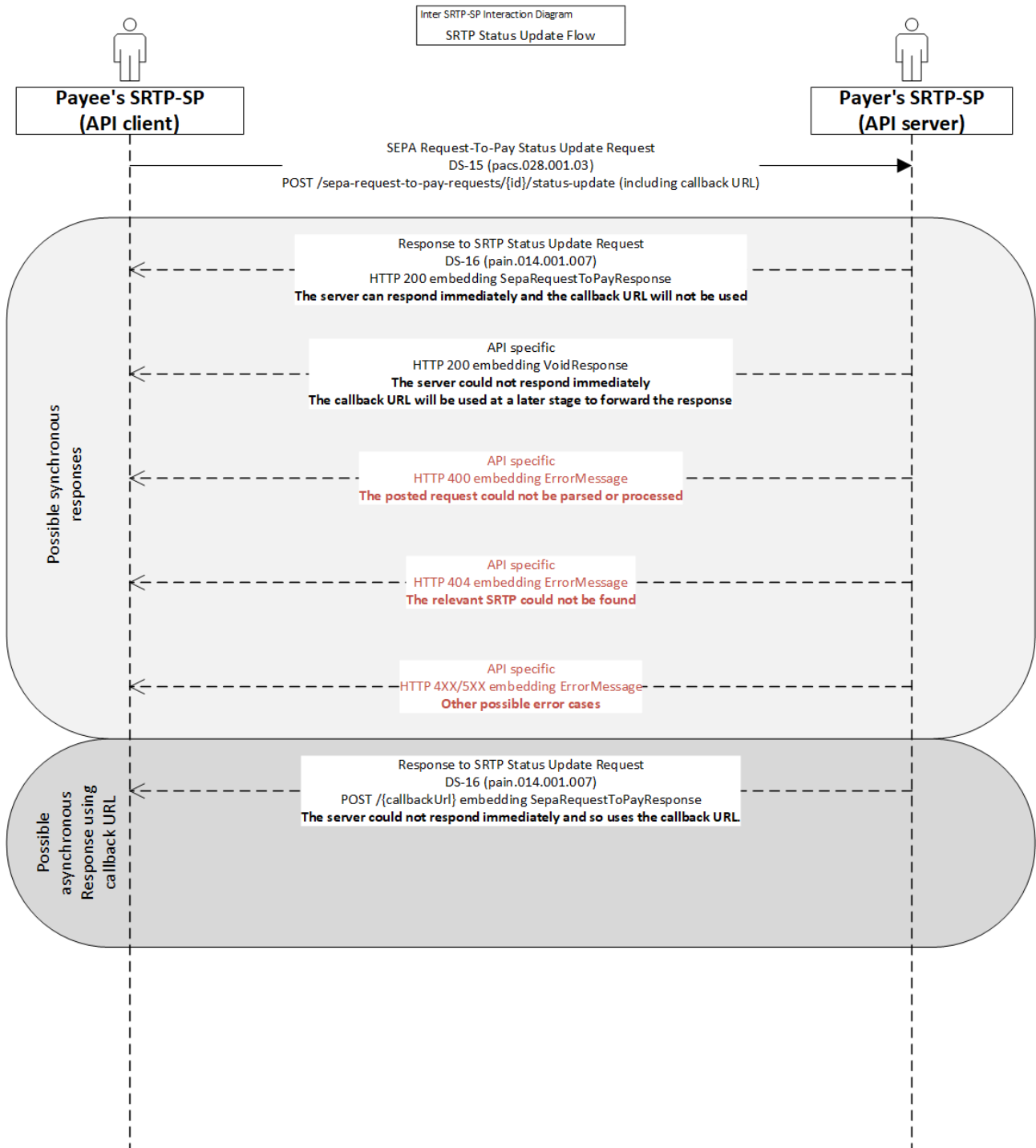
Generally, the default SRTP related API specifications flows follow the same logic as the one of the messages described in the SRTP scheme Implementation Guidelines.

3.1 Generic flow



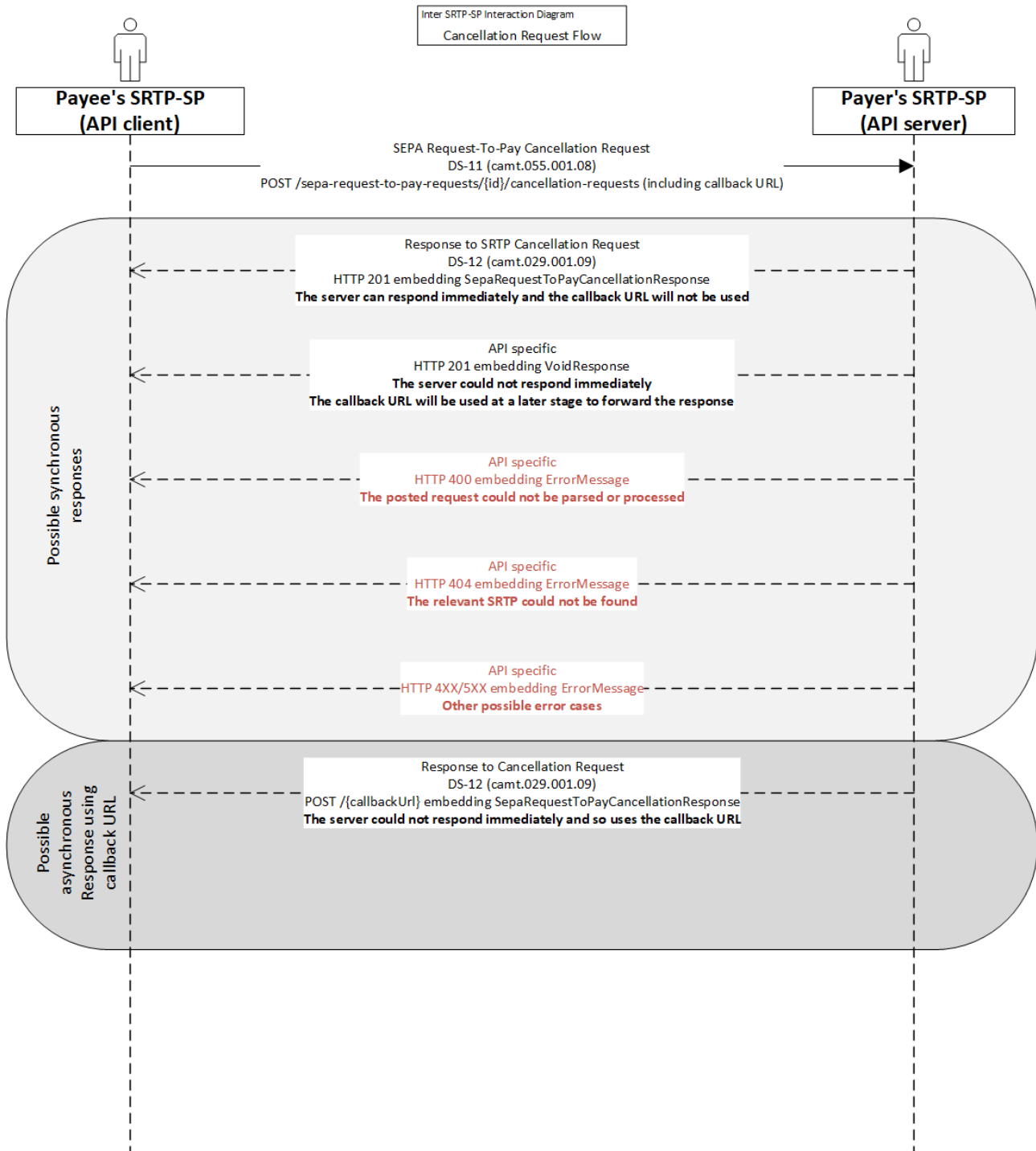


3.2 SRTP Status Update



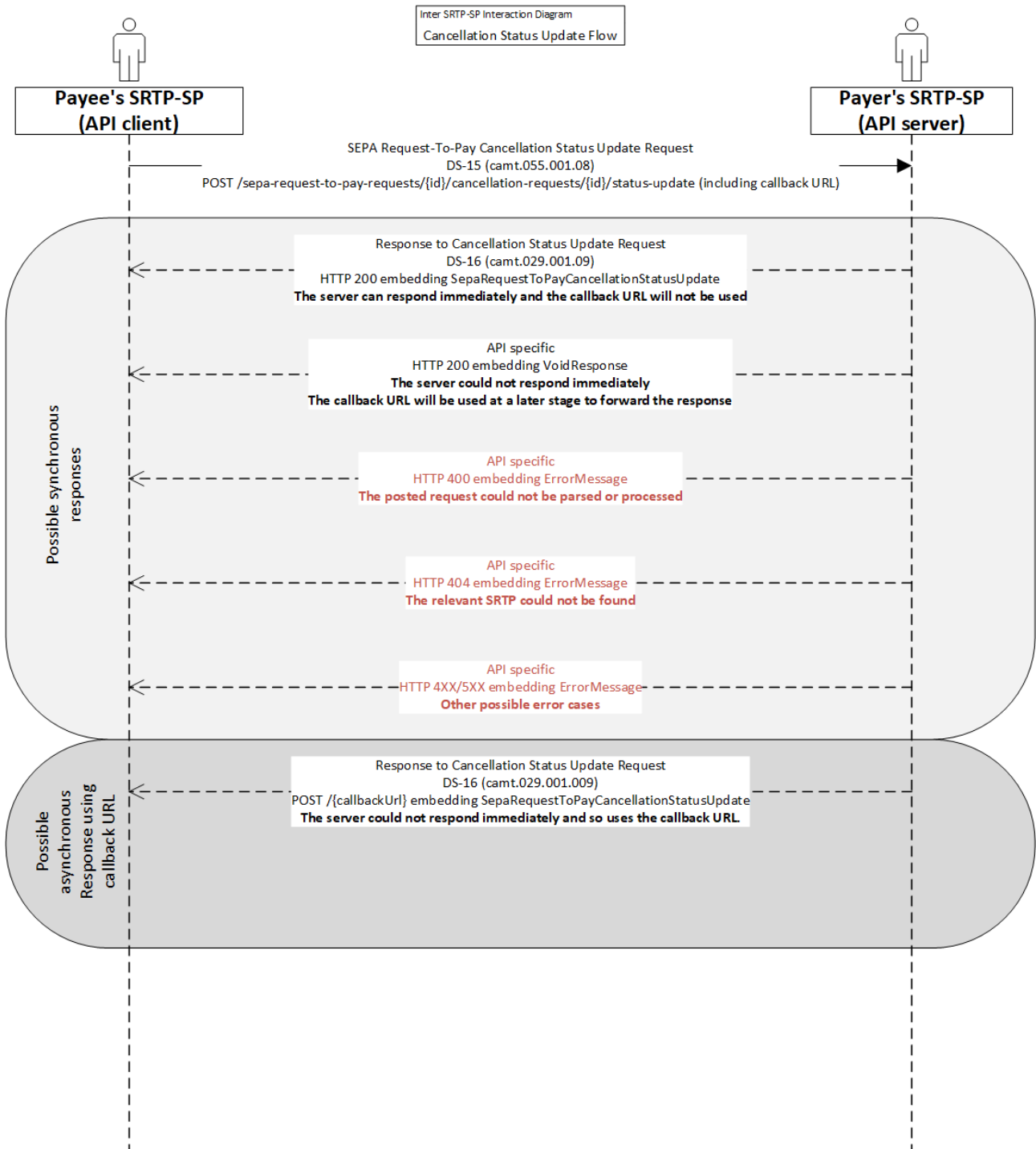


3.3 SRTP Cancellation Request





3.4 SRTP Cancellation Request Status Update



3.5 Resource Tree

