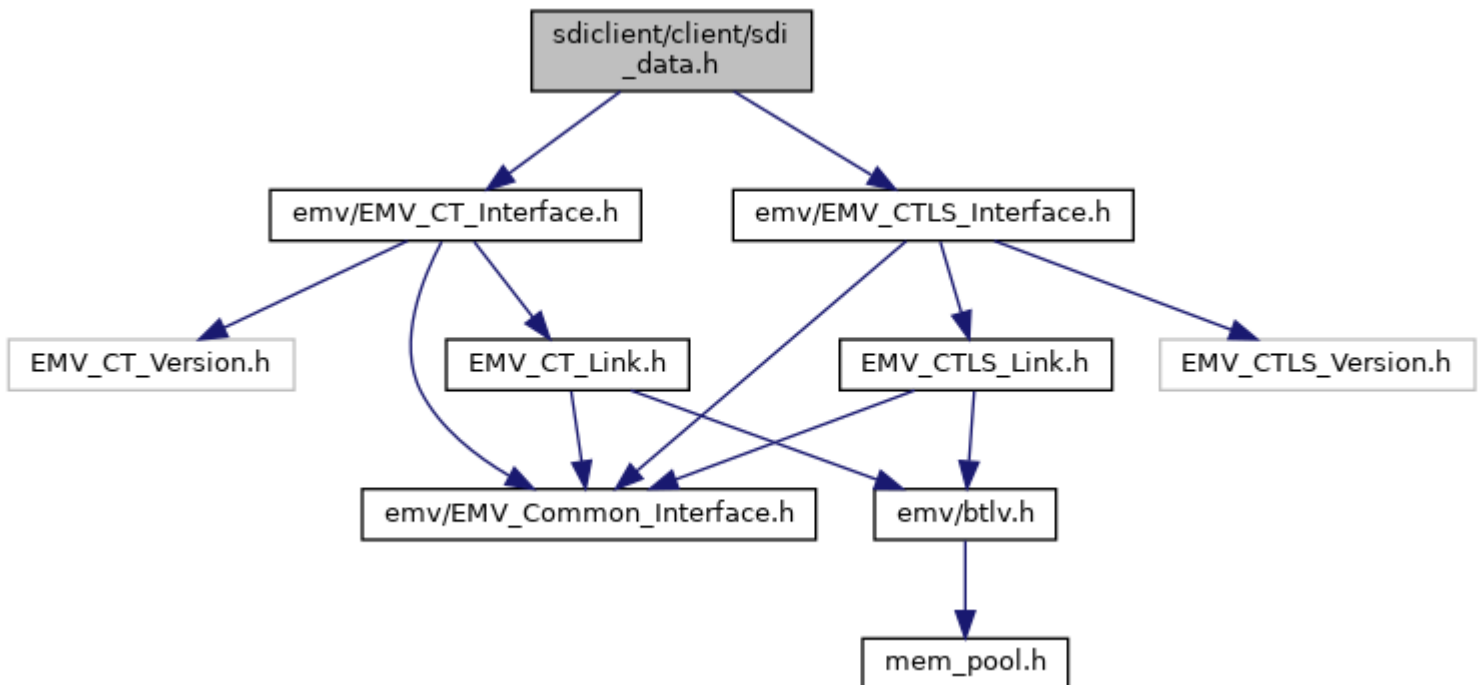


## sdi\_data.h File Reference

```
#include "emv/EMV_CT_Interface.h"
```

```
#include "emv/EMV_CTLS_Interface.h"
```

Include dependency graph for sdi\_data.h:



[Go to the source code of this file.](#)

## Macros

```
#define CLA\_DATA 0x29
```

Class for Data Handling. [More...](#)

```
#define INS\_FETCH\_TAGS 0x02
```

Fetch Tags. [More...](#)

```
#define SENSITIVE\_TAG\_OMIT 0
```

(b1 & b2): Default handling of sensitive tags by [SDI\\_fetchTxnTags\(\)](#): Sensitive tags are not returned in the response. [More...](#)

```
#define SENSITIVE\_TAG\_TRUNCATE 0x01
```

b1: Sensitive tags are returned with zero length. Note: b1 and b2 are mutually exclusive [More...](#)

```
#define SENSITIVE\_TAG\_REPLACE 0x02
```

b2: Sensitive tags are returned with data replaced by 0xFF bytes and original length [More...](#)

```
#define FETCHTAGS\_EXPIRY\_DATE\_IN\_CLEAR 0x04
```

b3: Get expiry date (tag 5F24) in clear text if VCL encryption is enabled [More...](#)

```
#define FETCHTAGS\_GET\_DATA 0x08
```

b4: Use EMV\_ADK\_FETCHTAGS\_GET\_DATA option (for CT only) [More...](#)

## Functions

[EMV\\_ADK\\_INFO](#) [SDI\\_fetchTxnTags](#) (unsigned char options, unsigned long \*requestedTags, unsigned short noOfRequestedTags, unsigned char \*tlvBuffer, unsigned short bufferLength, unsigned short \*tlvDataLength)

Fetch one or several tags at the end of the transaction, excluding sensitive cardholder data. [More...](#)

## Macro Definition Documentation

### [?\\_CLA\\_DATA](#)

```
#define CLA_DATA 0x29
```

Class for Data Handling.

### [?\\_INS\\_FETCH\\_TAGS](#)

```
#define INS_FETCH_TAGS 0x02
```

Fetch Tags.

## Function Documentation

### [?\\_SDI\\_fetchTxnTags\(\)](#)

[EMV\\_ADK\\_INFO](#) [SDI\\_fetchTxnTags](#) ( unsigned char *options*,  
unsigned long \* *requestedTags*,  
unsigned short *noOfRequestedTags*,  
unsigned char \* *tlvBuffer*,  
unsigned short *bufferLength*,  
unsigned short \* *tlvDataLength*  
)

Fetch one or several tags at the end of the transaction, excluding sensitive cardholder data.

One common function for all technologies: CT, CTLS, MSR and manual entry. Sensitive tags are excluded from the returned data in the way defined by the parameter `mode`. The SDI Server has a predefined set of sensitive tags. Additionally, the user can configure additional sensitive tags using the Software and Configuration Upload command set 20-14, 20-15 and 20-16 as described in the SDI Server documentation. The user can also configure a white list using the same Software and Configuration Upload commands. If a card is in the configured white list, all data is returned in clear text, including also sensitive tags.

#### Author

GSS R&D Germany

#### Parameters

[in]	<code>options</code>	... fetch tags options, see <a href="#">Options for fetching TLV data</a>
[in]	<code>requestedTags</code>	... requested tags
[in]	<code>noOfRequestedTags</code>	... number of requested tags
[in,out]	<code>tlvBuffer</code>	... buffer for TLV output, allocated by calling application
[in]	<code>bufferLength</code>	... number of bytes allocated for <code>tlvBuffer</code>
[out]	<code>tlvDataLength</code>	... number of bytes written to <code>tlvBuffer</code>

#### Returns

EMV\_ADK\_OK, EMV\_ADK\_PARAM, EMV\_ADK\_TLV\_BUILD\_ERR, EMV\_ADK\_INTERNAL