

Decoupled Authentication Adapter

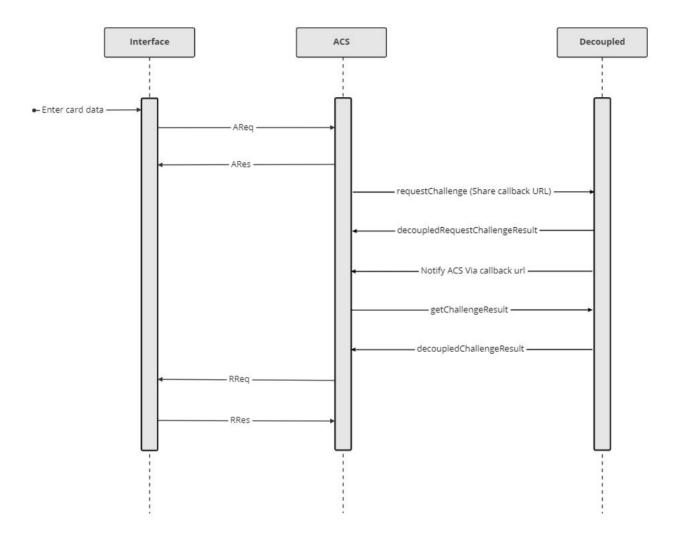
Adapter Loading Process

The ActiveAccess ACS performs Decoupled Authentication challenges through Decoupled Authentication Adapters, which connect an existing Decoupled Authentication system with ActiveAccess. From 3-D Secure 2.2, when Decoupled Authentication is required for challenge, the ACS triggers the external Decoupled Authentication process and performs interactions with the cardholder through Decoupled Authentication Adapters. In other words, the ACS communicates with the existing DecoupledAuth-System via a middle-ware, known as the Decoupled Authentication Adapter. The Decoupled Authentication Adapter can either be loaded locally by the ACS, or communicated via HTTP calls, known as the Native API and REST API versions respectively.

The following diagrams provide an overview of process for Decoupled Authentication.

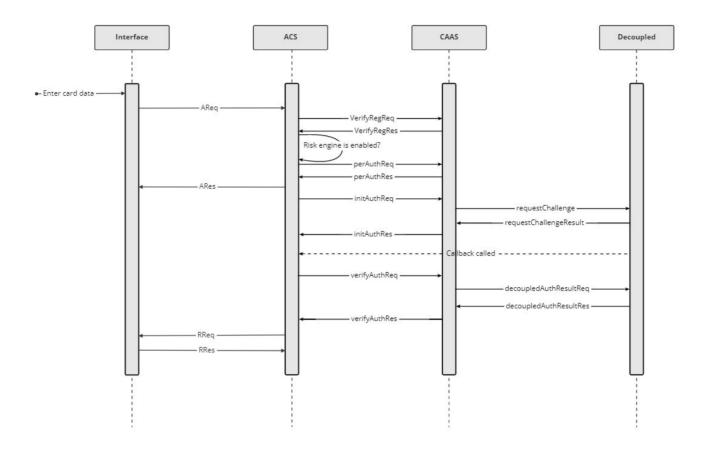


Requests/Responses for Decoupled Authentication (Local Issuer)





Requests/Responses for Decoupled Authentication (Remotelssuer)



Native API Version of Decoupled Authentication Adapter

The Native API version of Decoupled Authentication Adapter is known as decoupledAuth.adapter in this specification. The Native Adapters are in the form of JAR files. Only Java is supported for the Native API version of Decoupled Authentication Adapter.

Native Decoupled Authentication Adapter developers provide the adapters in one or more JAR files. The decoupledAuth.adapter implementation in the adapter must implement the Java interface Adapter which is located in the com.gpayments.decoupled.api.v1 package.

Implementation Steps

The steps to implement a Decoupled Authentication Adapter are as follows:

1. Create a Java project and obtain the corresponding Adapter API library from the ActiveAccess package. This library contains the interface definition for



decoupledAuth.adapter (Native Decoupled Authentication Adapter). The library must be imported in the created project.

- 2. The Native API Adapter should be implemented as a service, based on the Decoupled Authentication interface Adapter. This specific implementation of the service is known as service provider. The ACS loads this class in startup and uses it in Decoupled Authentication. As a requirement of the ACS, the provider class must have a public zero-argument constructor so that it can be instantiated during loading.
- 3. A service provider is identified by placing a *provider-configuration file* in the resource directory META-INF/services. The file's name is the fully-qualified binary name of the service's type, e.g. com.gpayments.decoupled.api.v1.Adapter. The file contains a list of fully-qualified binary names of concrete provider classes, one per line. Space and tab characters surrounding each name, as well as blank lines, are ignored. The comment character is '#' ('\u0023', NUMBER SIGN); on each line all characters following the first comment character are ignored. The file must be encoded in UTF-8.

Adapter Interface Methods

The Adapter interface has four methods as follows:

- Method Name: getAdapterInfo
 - **Description:** Returns information about decoupledAuth.adapter
 - Input: This method takes no arguments
 - Output: An instance of AdapterInfo class that contains information about decoupledAuth.adapter should be returned. The AdapterInfo is explained in detail in the AdapterInfo Data Elements section.
- Method Name: ping
 - **Description:** Checks whether Decoupled-Authenticator Server is accessible or not
 - Input: This method takes no arguments
 - Output: The result of Decoupled Authentication Server pinging should be returned in a boolean value. If the server responds to ping successfully, true should be returned, otherwise false should be returned.
- Method Name: requestChallenge
 - **Description:** To call when Decoupled Authentication is necessary and returns whether authentication method is available for the card or not.



。Input: This method takes the following parameters:

■ Field Name: acsTransactionId

■ **Description:** Universally Unique identifier assigned by the ACS to identify a single transaction

■ Length: 36 characters

■ Format: String

■ Accepted Value: Canonical format as defined in IETF RFC 4122

■ Message Inclusion: Required

■ Field Name: transactionInfo

- **Description:** Information about the transaction, which can be necessary for the Decoupled Authentication
- Format: An instance of type TransactionInfo . TransactionInfo is explained in detail in the TransactionInfo Data Elements section.
- Message Inclusion: Required
- Output: Adapter requestChallenge method has a DecoupledRequestChallengeResult return type
 - Field Name: DecoupledRequestChallengeResult
 - Format: An instance of type DecoupledRequestChallengeResult.

 DecoupledRequestChallengeResult is explained in detail in the DecoupledRequestChallengeResult Data Elements section.
 - Message Inclusion: Required
- Method Name: getChallengeResult
 - · Description: Checks if the card is authenticated successfully or not
 - **Input:** This method takes the following parameters:
 - Field Name: acsTransactionId
 - **Description:** Universally Unique identifier assigned by the ACS to identify a single transaction
 - Length: 36 characters
 - **Format:** String
 - Accepted Value: Canonical format as defined in IETF RFC 4122



■ Message Inclusion: Required

■ Field Name: decoupledTransId

■ Description: Unique identifier assigned by the Decoupled-Authenticator-System to identify a single Decoupled Authentication Challenge

■ Length: Variable, maximum 36 characters

■ Format: String

■ Message Inclusion: Optional

■ Field Name: additionalInfo

■ **Description:** Some additional Information for Decoupled Authentication

■ Format: JSON object of AdditionalInfo type. AdditionalInfo is explained in the AdditionalInfo Data Elements section.

■ Message Inclusion: Optional

• Output: Adapter getChallengeResult method has a DecoupledAuthenticationResult return type.

■ Field Name: DecoupledAuthenticationResult

■ Format: An instance of type DecoupledAuthenticationResult. DecoupledAuthenticationResult is explained in detail in the DecoupledAuthenticationResult Data Elements section.

■ Message Inclusion: Required

RESTful API version of Decoupled Adapter

For the Restful API version of the decoupledAuth.adapter, a Restful API needs to be defined similar to the adapter interface. ACS implements the Restful client, and the Decoupled Auth API Server will be implemented by the client. In this case, no JARs or plugins need to be loaded by ACS. Clients must provide a specific URL for ACS, known as Adapter-URL in this document, and the required REST API endpoints are defined based on this URL.



Note

There is also a Swagger API available for the sample REST Decoupled Adapter server and it is included in the ActiveAccess release package. To use it, run Decoupled Server in the installation package and then open https://localhost:8448/swagger-ui.html#/ in your browser.

Get Decoupled Adapter Information

The ACS sends an HTTP request to get decoupledAuth.adapter information. The details of this request are:

URL: Adapter-URL /adapter-info

Request Method: GET

• Request Parameters: There are not any request parameters for this REST API

· Response:

Name: adapterInfo

Format: JSON object of AdapterInfo

 Description: For further details on AdapterInfo, refer to the AdapterInfo Data Elements section

• Inclusion: Required

EXAMPLE SAMPLE REQUEST

```
HTTP URL: https://localhost:8448/restful-adapter/decoupled/adapter-info
```

EXAMPLE SAMPLE RESPONSE

```
{
    "id":"4740fa3f-cd6c-40d8-b795-b9768f2f4c95",
    "name":"restful-adapter",
    "version":"1.0.0",
    "signature":"SIGNATURE",
    "maxAuthenticationTime":900
}
```



Check Decoupled Authenticator Server Availability Status

The ACS sends an HTTP request to check whether Decoupled Authenticator Server is accessible or not. The details of this request are:

• URL: Adapter-URL /ping

Request Method: GET

• Request Parameters: There are not any request parameters for this REST API

• **Response:** If Adapter Server is accessible to perform the Decoupled Authentication challenge process, this API returns an HTTP entity with 200 (OK) HTTP status code.

Request Decoupled Authentication Challenge

ACS calls an HTTP API when Decoupled Authentication is necessary and returns whether authentication method for the card is available or not.

URL: Adapter-URL /request-challenge/{acsTransactionId}

Request Method: POST

· Path variables:

Name: acsTransactionId

• **Format:** String

o Inclusion: Required

· Request Body:

Name: transactionInfo

Format: JSON object of TransactionInfo type. For further details on TransactionInfo,
 refer to the TransactionInfo Data Elements section.

• Inclusion: Required

· Response:

Name: DecoupledRequestChallengeResult

Format: JSON object of DecoupledRequestChallengeResult

 Description: DecoupledRequestChallengeResult is explained in detail in the DecoupledRequestChallengeResult Data Elements section

• Inclusion: Required



EXAMPLE SAMPLE REQUEST

```
HTTP URL: http://localhost:8447/restful-adapter/decoupled/request-challenge/
da3cb8f9-90a2-489b-a7af-28ba33ce924a
    Body: {
      "acctNumber": 4548812049400004,
      "additionalInfo": {
        "callbackUrl": "string",
        "clientId": "123456789012345",
        "deviceId": "123e4567-e89b-12d3-a456-426655440000"
      },
      "cardHolderInfo": {
        "cardholderName": "cardholderName",
        "email": "abc@example.com",
        "homePhone": {
          "cc": 61,
          "subscriber": 234567890
        "mobilePhone": {
          "cc": 61,
          "subscriber": 234567890
        "shipAddrCity": "shipAddrCity",
        "shipAddrCountry": "040",
        "shipAddrLine1": "shipAddrLine1",
        "shipAddrLine2": "shipAddrLine2",
        "shipAddrLine3": "shipAddrLine3",
        "shipAddrPostCode": "shipAddrPostCode",
        "shipAddrState": "VIC",
        "workPhone": {
          "cc": 61.
          "subscriber": 234567890
        }
      "deviceChannel": "01",
      "issuerName": "AnyBank",
      "merchantName": "merchantName",
      "messageCategory": "01",
      "purchaseAmount": 12345,
      "purchaseCurrency": "036",
      "purchaseExponent": 2,
      "threeDSServerTransID": "a4edc97f-4b89-4e52-8590-6c328f0b9648"
```

EXAMPLE SAMPLE RESPONSE

```
"requestChallengeEnum": "OK",
```



```
"decoupledTransId": "0679cb73-ea9a-41fb-8fda-dec78a46cd0b",
    "message": "message example"
}
```

Get Decoupled Authentication Result

ACS calls an HTTP API to check if the cardholder is authenticated successfully or not. The details of this REST API are:

• URL: Adapter-URL /challenge-result/{acsTransactionId}/{decoupledTransId} (or Adapter-URL /challenge-result/{acsTransactionId} if decoupledTransId is null.)

Request Method: POST

· Path Variables:

Name: acsTransactionId

• **Format:** String

• Inclusion: Required

• Name: decoupledTransId

• Format: String

• Inclusion: Optional

· Request Body:

Name: additionalInfo

• **Format:** JSON object of AdditionalInfo type. You can find details of AdditionalInfo in the AdditionalInfo Data Elements section.

· Response:

Name: DecoupledAuthenticationResult

• Format: JSON object of type DecoupledAuthenticationResult

 Description: DecoupledAuthenticationResult is explained in detail in the DecoupledAuthenticationResult Data Elements section.

• Inclusion: Required



Authentication Mechanism For the RESTful API Version

Certificate-based mutual authentication is used as the authentication mechanism for the RESTful API version. The steps are:

- The ACS publishes a CA for adapter communication, known as Adapter CA
- The ACS also issues a server certificate for the adapter
- The ACS uses a generated client certificate that is issued by the same Adapter CA
- The Adapter server implementation must be set up with the CA and mutual authentication provided
- The ACS will try to connect to the Adapter Server. If the connection can be established, then the ACS will continue with the adapter, otherwise it throws an error.

Adapter Data Elements

AdapterInfo Data Elements

· Field Name: id

• **Description**: The ACS assigned *UUID* to the Decoupled Adapter

Length: 36 characters

• Format: String

Accepted Value: Canonical format as defined in IETF RFC 4122

Message Inclusion: Required

· Field Name: name

Description: The ACS assigned name to the Decoupled Adapter

· Length: Variable, maximum 100 characters

• Format: String

Accepted Value:

Message Inclusion: Required

Field Name: version

• **Description:** The number that indicates the **Decoupled Adapter** API version



• Length: Variable

• Format: String

 Accepted Value: Supported versions can be found in Current Supported Versions section.

Message Inclusion: Required

• Field Name: signature

• **Description:** Signature to validate **Decoupled Adapter** integrity

• Length: Variable

• Format: String

Accepted Value:

Message Inclusion: Optional



Note

This field is not currently used and is reserved for future versions.

Field Name: maxAuthenticationTime

 Description: Maximum time in minutes to wait for decoupled server to complete its authentication

• Length: Variable

• Format: Integer

Accepted Value:

Message Inclusion: Required

TransactionInfo Data Elements

• Field Name: threeDSServerTransID

 Description: Universally unique transaction identifier assigned by the 3DS Server to identify a single transaction

Length: 36 characters

• Format: String



 Accepted Value: Canonical format as defined in IETF RFC 4122. May utilise any of the specified versions if the output meets specified requirements.

Device Channel: 01-APP, 02-BRW, 03-3RI

Message Category: 01-PA, 02-NPA

Message Inclusion: Required

· Field Name: additionalInfo

• **Description:** Some additional Info for Decoupled Authentication

• Length:

• Format: JSON object of AdditionalInfo type. AdditionalInfo is explained in the AdditionalInfo Data Elements section.

Accepted Value:

Device Channel: 01-APP, 02-BRW, 03-3RI

Message Category: 01-PA, 02-NPA

Message Inclusion: Optional

• Field Name: purchaseAmount

Description: Purchase amount in minor units of currency with all punctuation removed.
 When used in conjunction with the Purchase Currency Exponent field, proper punctuation can be calculated.

Length: 48 characters

Format: String

 Accepted Value: Example: If the purchase amount is USD 123.45, the element will contain the value 12345.

• **Device Channel:** 01-APP, 02-BRW

Message Category: 01-PA, 02-NPA

• Message Inclusion: 01-PA: Required, 02-NPA: Conditional

 Conditional Inclusion: Required for 02NPA if 3DS Requestor Authentication Indicator = 02 or 03.

• Field Name: purchaseCurrency

• **Description:** Currency in which purchase amount is expressed.

Length: 3 characters



• Format: String

 Accepted Value: ISO 4217 three-digit currency code; 955-964 and 999 values are excluded and not permitted.

• **Device Channel:** 01-APP, 02-BRW

Message Category: 01-PA, 02-NPA

• Message Inclusion: 01-PA: Required, 02-NPA: Conditional

 Conditional Inclusion: Required for 02NPA if 3DS Requestor Authentication Indicator = 02 or 03

• Field Name: purchaseExponent

• **Description:** Minor units of currency as specified in the ISO 4217 currency exponent.

• Length: 1 character

• Format: String

Accepted Value: Number

• **Device Channel:** 01-APP, 02-BRW

Message Category: 01-PA, 02-NPA

• Message Inclusion: 01-PA: Required, 02-NPA: Conditional

 Conditional Inclusion: Required for 02NPA if 3DS Requestor Authentication Indicator = 02 or 03.

Field Name: messageCategory

Description: Identifies the category of the message for a specific use case

• Length: 2 characters

• Format: String

Accepted Value: 01-PA, 02-NPA

Device Channel: 01-APP, 02-BRW, 03-3RI

Message Category: 01-PA, 02-NPA

Message Inclusion: Required

• Field Name: purchaseDate

• **Description:** Date and time of the purchase, expressed in UTC timezone.

• Length: 14 characters



Format: String (Date Format: YYYYMMDDHHMMSS)

Accepted Value:

Device Channel: 01-APP, 02-BRW, 03-3RI

Message Category: 01-PA, 02-NPA

• Message Inclusion: 1-PA: Required, 02-NPA: Conditional

• **Conditional Inclusion:** Conditional (Required if purchaseAmount is set)

• Field Name: deviceChannel

 Description: Indicates the type of channel interface being used to initiate the transaction.

• Length: 2 characters

• **Format:** String

Accepted Value: 01 (APP); 02 (BRW); 03 (3RI)

Device Channel: 01-APP, 02-BRW, 03-3RI

Message Category: 01-PA, 02-NPA

Message Inclusion: Required

Field Name: acctNumber

 Description: Account number that will be used in the authorisation request for payment transactions. It will be represented by PAN, token.

 Length: 13-19 characters, or up to 72 characters when encryption for sensitive data is enabled

Format: String

Accepted Value: Format represented ISO 7812.

Device Channel: 01-APP, 02-BRW, 03-3RI

Message Category: 01-PA, 02-NPA

Message Inclusion: Required

• Field Name: merchantName

• **Description:** Merchant name assigned by the Acquirer or Payment System.

• Length: Variable, maximum 40 characters

• Format: String



Accepted Value: Same name used in the authorization message as defined in ISO 8583.

Device Channel: 01-APP, 02-BRW, 03-3RI

Message Category: 01-PA, 02-NPA

Message Inclusion: 01-PA: Required, 02-NPA: Optional

 Conditional Inclusion: Optional but strongly recommended to include for 02NPA if the merchant is also the 3DS Requestor.

• Field Name: cardHolderInfo

Description: Information about the Cardholder, which is provided by the 3DS Requestor.
 For further details, refer to the CardHolderInfo Data Elements section

• Type: CardHolderInfo

• Field Name: issuerName

· Description: Name of the Issuer

• **Length:** Variable, maximum 64 characters.

• Format: String

Accepted Value: Any

Device Channel: 01-APP, 02-BRW, 03-3RI

Message Category: 01-PA, 02-NPA

Message Inclusion: Required

AdditionalInfo Data Elements

· Field Name: clientId

Description: Client ID

Length: 15 characters

• **Format:** String

Accepted Value: Decimal numbers

 Message Inclusion: Optional (this field will be excluded from RESTful JSON message when it has no value)

Field Name: deviceId

• **Description:** Device ID



• Length: Variable, maximum 36 characters

• Format: String

Accepted Value: Any

 Message Inclusion: Optional (this field will be excluded from RESTful JSON message when it has no value)

• Field Name: callbackUrl

 Description: URL to be called by DecoupledAuth system when Decoupled Authentication result is prepared. ACS will call getChallengeResult after receiving this request.

• Length: Variable, maximum 2048 characters

• Format: String

· Accepted Value: Fully qualified URL

Message Inclusion: Required

• URL: http(s)://{\$acsDomain}/acs/decouplednotify

CardHolderInfo Data Elements

Field Name: cardholderName

Description: Cardholder name

 Length: 2-45 characters or up to 104 characters when encryption for sensitive data is enabled

Format: String

Accepted Value: Alphanumeric special characters, listed in EMVBook 4, "Appendix B".

• Device Channel: 01-APP, 02-BRW, 03-3RI

Message Category: 01-PA, 02-NPA

Message Inclusion: Conditional

 Conditional Inclusion: Required unless market or regional mandate restricts sending this information.

Field Name: email

 Description: The email address associated with the account that is either entered by the Cardholder, or is on file with the 3DS Requestor.



Length: 254 characters

• Format: String

Accepted Value: Shall meet requirements of Section 3.4 of IETF RFC 5322

Device Channel: 01-APP, 02-BRW, 03-3RI

Message Category: 01-PA, 02-NPA

Message Inclusion: Conditional

 Conditional Inclusion: Required unless market or regional mandate restricts sending this information.

Field Name: homePhone

Description: The home phone number provided by the cardholder. For further details,
 refer to the HomePhone Data Elements section

• **Type:** HomePhone

Device Channel: 01-APP, 02-BRW, 03-3RI

Message Category: 01-PA, 02-NPA

Message Inclusion: Conditional

 Conditional Inclusion: Required unless market or regional mandate restricts sending this information.

• Field Name: mobilePhone

 Description: The mobile phone number provided by the cardholder. For further details, refer to the MobilePhone Data Elements section

• Type: MobilePhone

Device Channel: 01-APP, 02-BRW, 03-3RI

Message Category: 01-PA, 02-NPA

Message Inclusion: Conditional

 Conditional Inclusion: Required unless market or regional mandate restricts sending this information.

• Field Name: shipAddrCity

• Description: City portion of the shipping address requested by the cardholder

• Length: Variable, maximum 50 characters

• Format: String



Accepted Value:

Device Channel: 01-APP, 02-BRW, 03-3RI

Message Category: 01-PA, 02-NPA

Message Inclusion: Optional

• Field Name: shipAddrCountry

• **Description:** Country of the shipping address requested by the cardholder.

• Length: 3 characters

• Format: String

 Accepted Value: ISO 3166-1 three-digit country code; 901-999 values are excluded and not permitted.

Device Channel: 01-APP, 02-BRW, 03-3RI

Message Category: 01-PA, 02-NPA

Message Inclusion: Optional

• Field Name: shipAddrLine1

 Description: First line of the street address or equivalent local portion of the shipping address requested by the cardholder

• Length: Variable, maximum 50 characters

Format: String

Accepted Value:

Device Channel: 01-APP, 02-BRW, 03-3RI

Message Category: 01-PA, 02-NPA

Message Inclusion: Optional

• Field Name: shipAddrLine2

 Description: Second line of the street address or equivalent local portion of the shipping address requested by the cardholder

Length: Variable, maximum 50 characters

Format: String

Accepted Value:

Device Channel: 01-APP, 02-BRW, 03-3RI



Message Category: 01-PA, 02-NPA

Message Inclusion: Optional

• Field Name: shipAddrLine3

 Description: Third line of the street address or equivalent local portion of the shipping address requested by the cardholder

· Length: Variable, maximum 50 characters

• Format: String

Accepted Value:

Device Channel: 01-APP, 02-BRW, 03-3RI

Message Category: 01-PA, 02-NPA

Message Inclusion: Optional

• Field Name: shipAddrPostCode

 Description: The ZIP or other postal code of the shipping address requested by the cardholder

Length: Variable, maximum 16 characters

Format: String

Accepted Value:

Device Channel: 01-APP, 02-BRW, 03-3RI

Message Category: 01-PA, 02-NPA

Message Inclusion: Optional

• Field Name: shipAddrState

 Description: The state or province of the shipping address associated with the card being used for this purchase

Length: Variable, maximum 3 characters

Format: String

Accepted Value: Should be the country subdivision code defined in ISO 3166-2.

Device Channel: 01-APP, 02-BRW, 03-3RI

Message Category: 01-PA, 02-NPA

Message Inclusion: Optional



Field Name: workPhone

Description: The work phone number provided by the cardholder. For further details,
 refer to the WorkPhone Data Elements section

∘ **Type:** WorkPhone

Device Channel: 01-APP, 02-BRW, 03-3RI

∘ Message Category: 01-PA, 02-NPA

Message Inclusion: Conditional

 Conditional Inclusion: Required (if available) unless market or regional mandate restricts sending this information.

HomePhone Data Elements

Field Name: cc

• **Description:** Country Code of the number

Length: 1-3 characters

• Format: String

• Accepted Value: Refer to ITU-E.164 for additional information on format and length

Device Channel: 01-APP, 02-BRW, 03-3RI

Message Category: 01-PA, 02-NPA

• Field Name: subscriber

Description: Subscriber sections of the number

Length: Variable, maximum 15 characters

• Format: String

• Accepted Value: Refer to ITU-E.164 for additional information on format and length

Device Channel: 01-APP, 02-BRW, 03-3RI

Message Category: 01-PA, 02-NPA



MobilePhone Data Elements

· Field Name: cc

• Description: Country Code of the number

• **Length:** 1-3 characters

• Format: String

• Accepted Value: Refer to ITU-E.164 for additional information on format and length

Device Channel: 01-APP, 02-BRW, 03-3RI

Message Category: 01-PA, 02-NPA

• Field Name: subscriber

Description: Subscriber sections of the number

Length: Variable, maximum 15 characters

• Format: String

• Accepted Value: Refer to ITU-E.164 for additional information on format and length

Device Channel: 01-APP, 02-BRW, 03-3RI

Message Category: 01-PA, 02-NPA

WorkPhone Data Elements

Field Name: cc

Description: Country Code of the number

Length: 1-3 characters

• **Format:** String

• Accepted Value: Refer to ITU-E.164 for additional information on format and length

Device Channel: 01-APP, 02-BRW, 03-3RI

Message Category: 01-PA, 02-NPA

Field Name: subscriber

· Description: Subscriber sections of the number

• Length: Variable, maximum 15 characters



• Format: String

• Accepted Value: Refer to ITU-E.164 for additional information on format and length

Device Channel: 01-APP, 02-BRW, 03-3RI

Message Category: 01-PA, 02-NPA

DecoupledRequestChallengeResult Data Elements

• Field Name: requestChallengeResultEnum

- Description: Result of requesting Decoupled Authentication challenge to Decoupled-Authenticator-System, that determines whether Decoupled Authentication method is available for this card or not
- Length:
- Format:
- Accepted Value: OK, ERROR, PROGRESS, TIMEOUT
- Accepted Value:
- Message Inclusion: Required
- Field Name: decoupledTransId
 - Description: Unique identifier assigned by the Decoupled-Authenticator-System to identify a single Decoupled Authentication Challenge
 - Length: Variable, maximum 36 characters
 - Format: String
 - Accepted Value:
 - Message Inclusion: Optional
- Field Name: message
 - Description: Any required message that should be returned to the ACS
 - Length: Variable, maximum 500 characters
 - Format: String
 - Accepted Value:
 - Message Inclusion: Optional



DecoupledAuthenticationResult Data Elements

• Field Name: DecoupledResult

• Description: Result of Decoupled Authentication challenge

• Length:

Format:

Accepted Value: AUTHENTICATED, NOT_AUTHENTICATED, ERROR

Message Inclusion: Required

Field Name: message

• Description: Any required message that should be returned to the ACS

• Length: Variable, maximum 500 characters

• Format: String

Accepted Value:

Message Inclusion: Optional

Current Supported Versions

• 1.0.0