

Clarification note

Change Request TIPS-0015-URD

- Include TARGET2 Business Day in PACS.002 -

Change Request TIPS-0015 is part of the scope of the TIPS Release 2.0 that is going to be deployed on November 2019. The implementation of this change request will help Participants in reconciling Instant Payments by adding the TARGET2 business day information to the confirmation messages that TIPS delivers to both Originator and Beneficiary PSPs after the settlement of an Instant Payment Transaction or Payment Return.

This note contains indications on how the solution is technically implemented in TIPS, as well as indications on the specifications documents that are affected by the change request.

The settlement process of an Instant Payment begins with an Instant Payment transaction message submitted by the Originator side to TIPS. TIPS validates the message, reserves the amount to be debited on the Originator side's account and forwards the Instant Payment transaction to the Beneficiary side. Upon receiving the beneficiary reply from the beneficiary side confirming the payment, TIPS settles the amount previously reserved and forwards the received payment status report to both the Originator and Beneficiary sides.

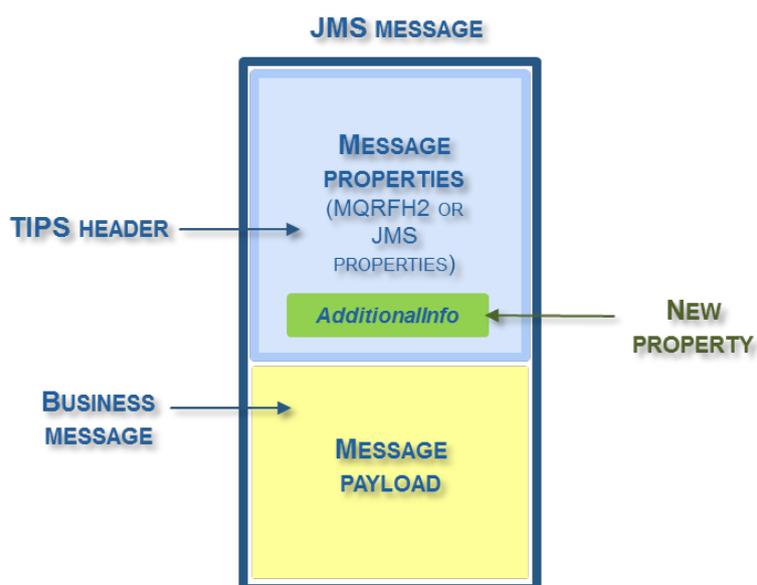
As a result of the requested change, the Payment Status Report message (pacs.002.001.03) sent by TIPS to both the Originator and Beneficiary sides will contain the TARGET2 business day at the time of the settlement of the SCT Inst Transaction. This information will be included in the message header without affecting the payload of the message. In this way TIPS will provide the information to TIPS actors without any breach of the SEPA Inst scheme connected with the manipulation of the content of the ISO business message.

The same information is included in the message header of a Payment Status Report message generated by TIPS as a response to a Payment Status Request message (pacs.028.001.001), as part of the SCT Inst Transaction status investigation procedure.

Similar change will apply to the Payment Return message (pacs.004.001.02) which is sent by the Assignee Participant as a positive confirmation for a Recall instructed by the Assigner Participant. After processing the Positive answer to the Recall request, TIPS forwards the Payment Return message to the Assigner Participant who formerly instructed the Recall and sends a Payment Status Report message to the Assignee Participant. The message header of both messages sent by TIPS will contain the TARGET2 business day at the time of the settlement of the SCT Inst Transaction.

As stated in the TIPS MEPT - Message Exchange Processing for TIPS, the message header contains a subset of information and it is composed by JMS properties that can be either mandatory or optional. A new optional property, named «AdditionalInfo» will be used for the TARGET2 Business day information to be conveyed to the TIPS Actors. Such property will be transported by the NSPs from TIPS to actors.

Figure 1 - Section of a message



An example of the RFH2 of the message where all the properties are inserted including the new «AdditionalInfo» property is provided below.

Figure 2 - Example of RFH2 header

```
<rfh2>
  <HMAC>dGhpcyBpcyBub3QgYSBzaWduYXR1cmUK...</HMAC>
  <HMACKeyId>1234</HMACKeyId>
  <ProtocolVersion>1</ProtocolVersion>
  <Service>TIPS-TEST</Service>
  <Sender>cn=tips-dn,ou=tips,o=...</Sender>
  <Receiver>cn=beneficiary-dn,ou=tips,o=...</Receiver>
  <PrimitiveType>SendRequest</PrimitiveType>
  <MsgType>pacs.002.001.03</MsgType>
  <MsgBizIdentifier>MSG001@00001@cdtr</MsgBizIdentifier>
  <SignatureRequired>N</SignatureRequired>
  <NotificationRequired>E</NotificationRequired>
  <TechnicalAckRequired>E</TechnicalAckRequired>
  <AdditionalInfo>{"seq":2287345,"bd":"2019-07-11"}</AdditionalInfo>
</rfh2>
```

The new property can contain multiple key/value pairs, encoded in JSON. As the example shows, TIPS 2.0 will add a string value to this property, whose key is "bd", to indicate the business day when the settlement took place, but can add other values as well, always using the JSON format. As a result, applications that need to read this property must not look for an exact match but rather use a JSON parser, which will also make sure they are forward compatible with future TIPS releases.

The specifications documents that are affected by the change request TIPS-0015-URD are the following:

- *TARGET Instant Payment Settlement MEPT - Message Exchange Processing for TIPS - Version 1.2.*
- *TIPS User Handbook (UHB) – Version 2.0.1- 13/09/2019*