Change Request form

General Information (Origin of Request)		
☒ User Requirements Document (URD)		
☐ User Detailed Functional Specification (UDFS)		
☐ User Handbook (UHB)		
☐ Other User Functional or Technical Documentation (SYS)		
(*to be filled in by CoG*)		
Request raised by: ABN AMRO De Nederlandsche Bank	**Date raised:** 12 June 2019	
Request title: Disclosure of the maximum amount in TIPS Directory	**Name of Institution:** ABN AMRO De Nederlandsche Bank	**Request ref. no:** TIPS 0018 URD
Request category:		
1. Functional/technical importance parameter:	**4. Legal importance parameter:** High	
2. Operational importance parameter:	**5. Financial importance parameter:** High	
3. Stakeholder importance parameter:		
Status: Allocated to a Release		

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Description of requested change:

Solution 1:

The TIPS directory should include a maximum amount for each Authorised Account User in TIPS (User BIC). The default value is the maximum amount defined by the SCT Inst scheme rulebook. Other values could be an unlimited amount or any other amount above the SCT Inst scheme rulebook defined maximum amount.

When the EPC decides to change the maximum amount, then all values must be checked whether they are below the new maximum amount. For those Authorised Account Users in TIPS (User BICs) their value will be changed into the new maximum amount.

Solution 2:

The TIPS directory should include a flag for each Authorised Account User in TIPS (User BIC) which indicates whether they only want to accept instant payments with amount up to the maximum amount or they also accept any amount above the maximum. This is in line with EBA Clearing's approach for RT1.

When the EPC decides to change the maximum amount, then there is no need to check the directory.

For both solutions, it is valid that TIPS does not need to validate on the amounts defined in the TIPS directory.

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Reason for change and expected benefits/business motivation:

The beneficiary bank may refuse a SCT Inst transaction exceeding the maximum amount for instructions under the SCT Inst scheme rulebook. This maximum amount is today 15,000 euro. For an originator bank, it is unclear, before sending the transaction, whether a beneficiary bank is willing to accept a SCT Inst transaction exceeding the SCT Inst maximum amount and, if so, up to which amount.

The business need is that the originator bank can inform its customers upfront, before submitting the SCT Inst transaction, whether it can actually be processed as an instant payment. This helps to avoid a negative customer experience as every rejected payment is perceived as such.

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Submitted annexes / related documents:

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Proposed wording update to the documentation to address the requested change:

The two proposed options will be assessed separately in terms of scope and cost assessment.

However, for both options the assumption is that no impacts will materialise on the current TIPS processing stemming from this Change Request.

Therefore, this implies that the 'Maximum Amount' parameter value shall remain set to 'unlimited'. If this assumption is not fulfilled, an additional change would materialise in TIPS, regarding the removal of Business Rule 010005 – "Maximum Amount not exceeded", whose impact will have to be assessed via a separate Change Request.

Option 1:

1) CRDM UDFS v2.0.0 - §1.3.3 – Data model of the component

Logical data model diagram to be updated by adding the new Maximum_IP_Amount attribute into the Authorised Account User entity,

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2) CRDM UDFS v2.0.0 - §1.3.3 – Footnote 18

For each Authorised Account User a period of validity and a maximum amount must be specified.

3) CRDM UDFS v2.0.0 - §1.4.4.2 – Structure (Table 36)

New field Maximum_IP_Amount to be reported in the TIPS Directory structure.

TABLE 1 – **TIPS DIRECTORY STRUCTURE**

O/M	FIELD No.	FIELD NAME	FORMAT	DESCRIPTION
M	1	User BIC	CHAR(11)	BIC configured as Authorised Account User in TIPS. This BIC can be authorised for payments on one and only one TIPS Account or CMB in TIPS and it is the BIC that shall be used to address Instant Payments in TIPS.
M	2	Institution Name	CHAR(105)	It is the name stored in the CRDM BIC Directory together with the User BIC.
M	3	Party BIC	CHAR(11)	BIC that identifies a TIPS Participant or a Reachable Party in TIPS. This BIC is for information purpose only and it allows grouping all User BICs configured by a given TIPS Participant or Reachable Party. It cannot be used to address Instant Payments in TIPS.
M	4	Account Owner BIC	CHAR(11)	BIC of the TIPS Participant owning the TIPS Account for which the User BIC has been authorised, also through a CMB.
M	5	Type of Change	CHAR(1)	Exhaustive list of possible values: A – Added M – Modified D – Deleted U – Unchanged
M	6	Valid From	DATE(YYYYMMDD)	Date from which the entry is valid.
M	7	Valid To	DATE(YYYYMMDD)	Date up to which the entry is valid. Value "99991231" is used whenever the ending of validity has not been specified.
M	8	Participation Type	CHAR(2)	Exhaustive list of possible values for Party BIC:

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O/M	FIELD No.	FIELD NAME	FORMAT	DESCRIPTION
				01 – TIPS Participant 02 – Reachable Party
M	9	Maximum IP_Amount	DEC (18,5)	Maximum Amount accepted by the corresponding TIPS Participant or Reachable Party into an incoming Instant Payment transaction. The default value is the maximum amount defined by the SCT Inst scheme rulebook.

4) CRDM UDFS v2.0.0 - §3.5.3.14 – Authorised Account User (DMT file format specification)

Flat file	Excel	Column Name	Format	Description	Rules	Occurs per Record	Occurs per Group
2	B	Record Id	NUMERIC (10)	Unique identifier of the record.		1..1	
3	C	Cash Account Number	VARCHAR (34)	Unique number of the TIPS Cash Account		1..1	
4	D	Authorised Account User BIC	VARCHAR (11)	BIC code to authorise for the TIPS Cash Account		1..1	
5	E	Valid From	DATE	Starting validity date for the authorisation		1..1	
6	F	Valid To	DATE	Ending validity date for the authorisation		0..1	
7	G	Max_Amount	DEC (18,5)	Maximum Amount accepted for an IP transaction.		1..1	

5) CRDM UHB v2.1.0 - §2.3.2.6 – Authorised Account User – Search/list screen – new screenshot

Update the screenshot displayed as illustration 39.

6) CRDM UHB v2.1.0 - §2.3.2.6 – Authorised Account User – Search/list screen – Field description

New field description to be added to the list.

[...]

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Authorised Account User – List	
[…]	[…]
Valid to	Enter the closing date of Authorised Account User or use the calendar icon. Required format is: YYYY-MM-DD The 'Closing Date' must be equal to or later than the 'Opening Date' and the current business date.
Maximum IP Amount	Shows the maximum amount acceptable by the Authorised Account User, acting as a Beneficiary Participant, for an incoming Instant Payment transaction.

[…]

7) CRDM UHB v2.1.0 - §2.3.2.7 – Authorised Account User – New/Edit screen – New screenshot

Update the screenshot displayed as illustration 40.

8) CRDM UHB v2.1.0 - §2.3.2.7 – Authorised Account User – New/Edit screen – Field description

New field description to be added to the list of input field.

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Authorised Account User	
[…]	[…]
Valid To	Enter the date and time until which the Authorised Account User is valid or use the calendar icon. Required format is: YYYY-MM-DD References for error messages: [ ]: ▍ DCC2005 ▍ DCU2005
Maximum IP Amount	Enter the maximum amount acceptable by the Authorised Account User, acting as a Beneficiary Participant, for an incoming Instant Payment transaction. The default value is the maximum amount defined by the EPC SCT Inst scheme rulebook, e.g. 15,000.00 EUR. Other values could be an unlimited amount, zero or any other amount above the SCT Inst scheme rulebook defined maximum amount. Required format is: max. 18 digits followed by up to 5 decimals

9) CRDM UDFS v2.0.0 – New configuration parameter and new automatic validation of the 'Max Amount' field into the TIPS Directory

The maximum amount defined in the EPC SCT Inst scheme rulebook shall be captured in CRDM into a system parameter (e.g. *DEFAULT_MAX_AMOUNT_EPC*). The new parameter shall be initialised to 15,000.00 EUR and used as a default value when configuring the Authorised Account User entity.

Any subsequent update of such a system parameter made by the Operator, stemming from an update from the EPC Rulebook, shall trigger a revalidation of the content of the existing Max Amount fields captured into the Authorised Account User entity. In particular for each User BIC:

- if the 'Max Amount' field is below the new maximum amount, their value shall be replaced by the new maximum amount;
- if the 'Max Amount' field is above or equal to the new maximum amount, their value shall remain unchanged.

10) CRDM UDFS v2.0.0 – Annex - Examples of TIPS Directory

The example of TIPS Directory report shall be updated based on the changes stemming from this CR.

11) TIPS User Training - FN.040_Settlement of instant payments – New slide in the payment processing

New slide to explain the effects of the new attribute of the AAU in the Instant Payment processing.

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12) TIPS User Training - FN.060_Reference data management – New slide on the AAU section

New slide to explain the new attribute of the AAU and its usage.

Option 2:

1) CRDM UDFS v2.0.0 - §1.3.3 – Data model of the component:

Logical data model diagram to be updated by adding the new Accepted_Amount attribute into the Authorised Account User entity,

2) CRDM UDFS v2.0.0 - §1.3.3 – Footnote 18:

For each Authorised Account User a period of validity and a flag must be specified.

3) CRDM UDFS v2.0.0 - §1.4.4.2 – Structure (Table 36)

New flag Accepted_Amount to be reported in the TIPS Directory structure.

TABLE 2 – TIPS DIRECTORY STRUCTURE

O/M	FIELD No.	FIELD NAME	FORMAT	DESCRIPTION
M	1	User BIC	CHAR(11)	BIC configured as Authorised Account User in TIPS. This BIC can be authorised for payments on one and only one TIPS Account or CMB in TIPS and it is the BIC that shall be used to address Instant Payments in TIPS.
M	2	Institution Name	CHAR(105)	It is the name stored in the CRDM BIC Directory together with the User BIC.
M	3	Party BIC	CHAR(11)	BIC that identifies a TIPS Participant or a Reachable Party in TIPS. This BIC is for information purpose only and it allows grouping all User BICs configured by a given TIPS Participant or Reachable Party. It cannot be used to address Instant Payments in TIPS.
M	4	Account Owner BIC	CHAR(11)	BIC of the TIPS Participant owning the TIPS Account for which the User BIC has been authorised, also through a CMB.
M	5	Type of Change	CHAR(1)	Exhaustive list of possible values: A – Added

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O/M	FIELD No.	FIELD NAME	FORMAT	DESCRIPTION
				M – Modified D – Deleted U – Unchanged
M	6	Valid From	DATE(YYYYMMDD)	Date from which the entry is valid.
M	7	Valid To	DATE(YYYYMMDD)	Date up to which the entry is valid. Value "99991231" is used whenever the ending of validity has not been specified.
M	8	Participation Type	CHAR(2)	Exhaustive list of possible values for Party BIC: 01 – TIPS Participant 02 – Reachable Party
M	9	Accepted Amount Flag	CHAR(1)	Exhaustive list of possible values: Z – Zero amount (e.g. used in case of blocking) U – Unlimited amount is accepted (i.e. any value regardless if below or above the maximum amount defined by the SCT Inst scheme rulebook) L – Limited amount is accepted (i.e. any value until maximum amount defined by the SCT Inst scheme rulebook)

4) CRDM UDFS v2.0.0 - §3.5.3.14 – Authorised Account User (DMT file format specification)

Flat file	Excel	Column Name	Format	Description	Rules	Occurs per Record	Occurs per Group
2	B	Record Id	NUMERIC (10)	Unique identifier of the record.		1..1	
3	C	Cash Account Number	VARCHAR (34)	Unique number of the TIPS Cash Account		1..1	
4	D	Authorised Account User BIC	VARCHAR (11)	BIC code to authorise for the TIPS Cash Account		1..1	

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5	E	Valid From	DATE	Starting validity date for the authorisation		1..1	
6	F	Valid To	DATE	Ending validity date for the authorisation		0..1	
7	G	Accepted_Amount_flag	VARCHAR (1)	Accepted amount for an IP transaction.		1..1	

5) CRDM UHB v2.1.0 - §2.3.2.6 – Authorised Account User – Search/list screen – new screenshot

Update the screenshot displayed as illustration 39.

6) CRDM UHB v2.1.0 - §2.3.2.6 – Authorised Account User – Search/list screen – Field description

New field description to be added to the list.
[...]

Authorised Account User – List	
[...]	[...]
Valid to	Enter the closing date of Authorised Account User or use the calendar icon. Required format is: YYYY-MM-DD The 'Closing Date' must be equal to or later than the 'Opening Date' and the current business date.
Accepted Amount Flag	Shows if the Authorised Account User, acting as a Beneficiary Participant, accepts or not instant payments whose value exceeds the maximum amount defined by the EPC SCT Inst scheme. Shows the type of the Accepted Amount Flag from one of the possible values: ❚ Zero ❚ Limited ❚ Unlimited

[...]

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7) CRDM UHB v2.1.0 - §2.3.2.7 – Authorised Account User – New/Edit screen – New screenshot

Update the screenshot displayed as illustration 40.

8) CRDM UHB v2.1.0 - §2.3.2.6 – Authorised Account User – New/Edit screen – Field description

New field description to be added to the list of input field.

Authorised Account User	
[…]	[…]
Valid To	Enter the date and time until which the Authorised Account User is valid or use the calendar icon. Required format is: YYYY-MM-DD References for error messages: [ ]: ▌ DCC2005 ▌ DCU2005
Accepted Amount Flag	Enter if the Authorised Account User, acting as a Beneficiary Participant, accepts or not instant payments whose value exceeds the maximum amount defined by the EPC SCT Inst scheme. Shows the type of the Accepted Amount Flag from one of the possible values: ▌ Zero ▌ Limited ▌ Unlimited

9) TIPS User Training - FN.040_Settlement of instant payments – New slide in the payment processing

New slide to explain the effects of the new AAU flag in the Instant Payment processing.

10) TIPS User Training - FN.060_Reference data management – New slide on the AAU section

New slide to explain the new AAU flag and its usage.

11) CRDM UDFS v2.0.0 – Annex - Examples of TIPS Directory

The example of TIPS Directory report shall be updated based on the changes stemming from this CR.

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High level description of Impact:

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Outcome/Decisions:

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	L3 analysis - General Information	
	Impact on TIPS	
Business Interface		
	A2A Interface	
	U2A Interface	
Settlement Engine		
	Payment Transaction	
	Liquidity Transfer	
	Recall	
Queries and Reports		
	Queries	
	Reports	
Common Components		
	ESMIG	
X	CRDM	
	Archiving	
	Billing	
X	DMT	
Operational Tools		
	SLA Reporting	
	TMS	
	Technical Monitoring	
	Change Management	
	Capacity Management	
Infrastructure request		
	Application components impacted	
	Application components not impacted	
Operational activities		

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	Business activities impacted
	Technical activities impacted

New functionalities	

Impact on documentation		
Document	**Chapter**	**Change**
UDFS	CRDM UDFS (§1.3.3, §1.4.4.2, §3.5.3.14) New System Parameter)	See "Proposed wording" section
UHB	CRDM UHB (§2.3.2.6, §2.3.2.7)	See "Proposed wording" section
Training documentation	FN.040_Settlement of instant payments FN.060_Reference data management_	See "Proposed wording" section
Other documents	CRDM IDFS CRDM GUI-DFS	Detailed changes will be identified during the implementation phase.

Overview of the impact of the request on TIPS (L2 view)

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Summary of functional, operational, development, infrastructure and security impacts

Summary of functional impact:

Option 1:

1. Definition of a new attribute at Authorised Account User level whose value represents the maximum amount acceptable by the User BIC for incoming Instant Payments. Besides any numeric value greater than the EPC maximum amount default value, it shall be possible to capture also the following additional special values: zero, unlimited.

2. The CRDM Back-end and the CRDM GUI have to be aligned accordingly.

3. A new system parameter shall be captured in CRDM and initialised to the EPC SCT Inst scheme maximum amount.

4. A new functionality shall detect any further changes made by the Operator to the above-mentioned system parameter and trigger the revalidation of the content of the new AAU field 'Max Amount'.

5. The assumption is that migration of reference data is required. This implies that the new attribute Max_Amount in the AAU will be initialised to the default maximum amount when this CR is deployed. Afterwards each party shall adapt the configuration autonomously,

Option 2;

1. Definition of a new flag at Authorised Account User level whose value identifies whether any amount above the EPC SCT Inst scheme maximum value is acceptable or not by the User BIC for incoming Instant Payments.

2. The CRDM Back-end and the CRDM GUI have to be aligned accordingly.

3. The assumption is that migration of reference data is required. This implies that the new flag Accepted_Amount in the AAU will be initialised to the default maximum amount when this CR is deployed. Afterwards each party shall adapt the configuration autonomously.

Summary of operational impact:

No operational impact.

Summary of application development impact:

The TIPS Directory is a report that is (a) produced by CRDM, (b) delivered from CRDM to TIPS, (c) sent from TIPS to participants.

Both options have only impact in phase (a) above. No impacts are foreseen in TIPS application.

CRDM components impacted by both options are:

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- CRDM GUI, to allow participants to browse or update the amount (option1) or the flag (option2)
- CRDM Back-end, to make data changes in the database
- CRDM Back-end, to adapt database (AAU entity) to include new data (either amount or flag)
- CRDM Back-end, to include new data (either amount or flag) into the TIPS Directory
- CRDM Data Migration Tool, to allow new data to be entered massively into CRDM database

Additional CRDM components impacted only by option1 are:

- CRDM GUI to allow Operator to browse or update the EPC SCT Inst scheme maximum amount (it is assumed that the first creation of entry per currency will be performed manually, using last-level rights)
- CRDM Back-end to update database table Currency/Service Link, CSL (it is assumed that the first creation of entry per currency will be performed manually, using last-level rights)
- CRDM Back-end, to adapt database (CSL entity) to include EPC scheme maximum amount
- New function to update all AAU relevant entries in case of increase of the EPC scheme maximum amount.

Summary of infrastructure impact:

No infrastructure impact.

Summary of security impact:

No security impact.