MAINTENANCE CHANGE REQUEST

FOR THE UPDATE OF ISO 20022 FINANCIAL REPOSITORY ITEMS

Note: the purpose of this document is to give guidelines to submitting organizations that will develop a new version of existing ISO 20022 messages based on change requests screened by the Standards Evaluation Group(s). Such development is subject to the approval of a Maintenance Change Request which must include a detailed description of the impact of each change on the related messages. The Maintenance Change Request must start with a general chapter covering topics related to the whole maintenance effort and a specific chapter for each change request, as described below. Please consult the iso20022.org website for additional details on the maintenance process. Valid Maintenance Change Requests for the following ISO 20022 yearly maintenance cycle must be sent to iso20022ra@iso20022.org by August 21st.

- **Name of the request:**

CAPE Messages Maintenance for year 2023-2024

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- **Submitting organization(s):**

nexo A.I.S.B.L. formerly (EPASOrg).

- **Related messages:**

The precise identification of the ISO 20022 messages that will be impacted by the changes included in this Maintenance Change Request, including the Message Ids as shown in the Catalogue of ISO 20022 messages.

- AcceptorAuthorisationRequest V12 caaa.001.001.12
- AcceptorAuthorisationResponse V12 caaa.002.001.12
- AcceptorCompletionAdvice V12 caaa.003.001.12
- AcceptorCompletionAdviceResponse V11caaa.004.001.11
- AcceptorCancellationRequest V12 caaa.005.001.12
- AcceptorCancellationResponse V11 caaa.006.001.11
- AcceptorCancellationAdvice V12 caaa.007.001.12
- AcceptorCancellationAdviceResponse V11 caaa.008.001.11
- AcceptorReconciliationRequest V11 caaa.009.001.11
- AcceptorReconciliationResponse V10 caaa.010.001.10
- AcceptorBatchTransfer V12 caaa.011.001.12
- AcceptorBatchTransferResponse V11 caaa.012.001.11
- AcceptorDiagnosticRequest V11 caaa.013.001.11
- AcceptorDiagnosticResponse V10 caaa.014.001.10
- AcceptorCurrencyConversionRequest V10 caaa.016.001.10
- AcceptorCurrencyConversionResponse V10 caaa.017.001.10
- AcceptorCurrencyConversionAdvice V07 caaa.018.001.07
- AcceptorCurrencyConversionAdviceResponse V06 caaa.019.001.06
- TransactionAdvice V04 caaa.020.001.04
- TransactionAdviceResponse V04 caaa.021.001.04
- AcceptorNonFinancialRequest V03 caaa.022.001.03
- AcceptorNonFinancialResponse V03 caaa.023.001.03
- AcceptorTransactionLogReportRequest V03 caaa.024.001.03
- AcceptorTransactionLogReportResponse V03 caaa.025.001.03

- SaleToPOIServiceRequest V05 casp.001.001.05
- SaleToPOIServiceResponse V05 casp.002.001.05
- SaleToPOIReconciliationRequest V05 casp.003.001.05
- SaleToPOIReconciliationResponse V05 casp.004.001.05
- SaleToPOISessionManagementRequest V05 casp.005.001.05
- SaleToPOISessionManagementResponse V05 casp.006.001.05

- SaleToPOIAdministrativeRequest V05 casp.007.001.05
- SaleToPOIAdministrativeResponse V05 casp.008.001.05
- SaleToPOIReportRequest V05 casp.009.001.05
- SaleToPOIReportResponse V05 casp.010.001.05
- SaleToPOIAbort V05 casp.011.001.05
- SaleToPOIEventNotification V05 casp.012.001.05
- SaleToPOIMessageStatusRequest V05 casp.014.001.05
- SaleToPOIMessageStatusResponse V05 casp.015.001.05
- SaleToPOIDeviceRequest V05 casp.016.001.05
- SaleToPOIDeviceResponse V05 casp.017.001.05

- StatusReport V12 catm.001.001.12
- ManagementPlanReplacement V11 catm.002.001.11
- AcceptorConfigurationUpdate V12 catm.003.001.12
- MaintenanceDelegationRequest V09 catm.005.001.09
- MaintenanceDelegationResponse V07 catm.006.001.07
- CertificateManagementRequest V06 catm.007.001.06
- CertificateManagementResponse V06 catm.008.001.06

- **Commitments of the submitting organization:**

nexo confirms that it can and will:

- undertake the development of the new version of the candidate ISO 20022 message models
- that it will submit to the RA for compliance review and evaluation.
- submit new valid Message Definition models to the RA by December 1.
- provide a new version of part 1 of the Message Definition Report (MDR) by December 1, and, new examples of valid message instances of each candidate message by May 1 at the latest.
- address any queries related to the description of the new models and messages as published by the RA on the ISO 20022 website.

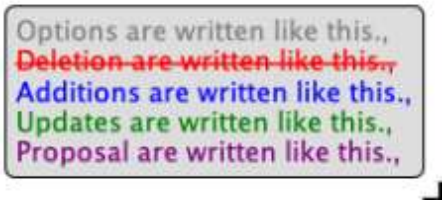
nexo intends to support any testing or the actual implementation of the new version of the messages once the related documentation has been published by the RA. The purpose is to

ensure that the documentation of the new version of the messages is accurate and consistent and to verify that these approved messages can be implemented with no adverse effects on communication infrastructures and/or applications.

nexo confirms its knowledge and acceptance of the ISO 20022 Intellectual Property Rights policy for contributing organizations, as follows.

"Organizations that contribute information to be incorporated into the ISO 20022 Repository shall keep any Intellectual Property Rights (IPR) they have on this information. A contributing organization warrants that it has sufficient rights on the contributed information to have it published in the ISO 20022 Repository through the ISO 20022 Registration Authority in accordance with the rules set in ISO 20022. To ascertain a widespread, public and uniform use of the ISO 20022 Repository information, the contributing organization grants third parties a non-exclusive, royalty-free license to use the published information".

In the analysis made on the following pages, nexo highlights ripple effect through bullets and component changed by a previous Change Request in green in every impact analysis. In each chapter devoted to the implementation study, nexo presents the resulting implementation of all Change Request with respect to the legend presented below.



- **Contact persons:**

To get additional information on this Maintenance Change Request you can contact.

- Philippe CECE (philippe.cece@ingenico.com), +33 6 84 42 93 14
- Evelyne de JONGHE (evelyne.de-jonghe@frenchsys.com), +33 6 49 31 04 75
- Laure BELTRI (laure.beltri@frenchsys.com), +33 6 72 57 79 75
- Philippe MERMOUD (philippe.mermoud@natixis.com), + 33 5 61 10 25 80
- Robert FARGIER (robert.fargier@istium.pro), +33 6 30 73 53 32

Change request number #1288 nexo Balance Inquiry

Copy of the approved change request:

A. **Origin of the request:**

A.1 Submitter: nexo A.I.S.B.L.

A.2 Contact person:

- Philippe CECE (philippe.cece@nexo-standards.org)
- Philippe MERMOUD (philippe.mermoud@bpce.fr)
- Robert FARGIER (robert.fargier@istium.pro)

A.3 Sponsors: nexo A.I.S.B.L.

B. **Related messages:**

- SaleToPOIServiceRequest V05 (casp.001.001.05)
- SaleToPOIServiceResponse V05 (casp.002.001.05)
- SaleToPOIReportResponse V05 (casp.010.001.05)
- SaleToPOIMessageStatusResponse V05 (casp.015.001.05)

C. **Description of the change request:**

We discovered that we can't request balance for a stored value account since the codeset *StoredValueTransactionType2Code* doesn't include *BalanceInquiry*. The aim of this change request is to correct this.

D. **Purpose of the change:**

The following diagram identify the change of the *StoredValueTransactionType2Code* to include the missing value.

The definition of *Balance* will be *Balance enquiry* as the definition of *CardPaymentServiceType12Code.*

E. **Urgency of the request:**

Urgent

F. **Business examples:**

Examples illustrating the change request.

G. **SEG/TSG recommendation:**

This section is not to be taken care of by the submitter of the change request. It will be completed in due time by the SEG(s) in charge of the related ISO 20022 messages or the TSG for changes related to the BAH.

Consider	**X**	**Timing**	
		- Next yearly cycle: 2023/2024 (the change will be considered for implementation in the yearly maintenance cycle which starts in 2023 and completes with the publication of new message versions in the spring of 2024)	X
		- At the occasion of the next maintenance of the messages (the change will be considered for implementation, but does not justify maintenance of the messages in its own right – will be pending until more critical change requests are received for the messages)	
		- Urgent unscheduled (the change justifies an urgent implementation outside of the normal yearly cycle)	
		- Other timing:	

Comments:

Reject	

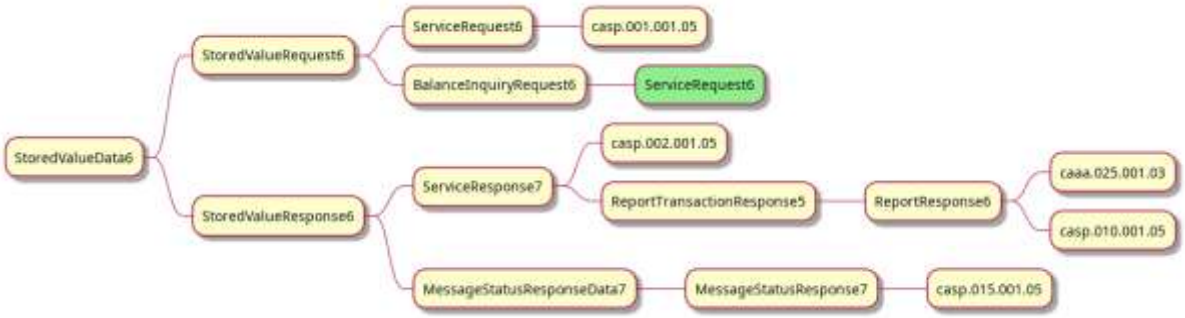
Reason for rejection:

H. **Impact analysis and type of impact:**

The update of *StoredValueTransactionType2Code* will be done accordingly to the Change Request.

The ripple effect analysis has been done on this element.

On StoredValueTransactionType2Code.



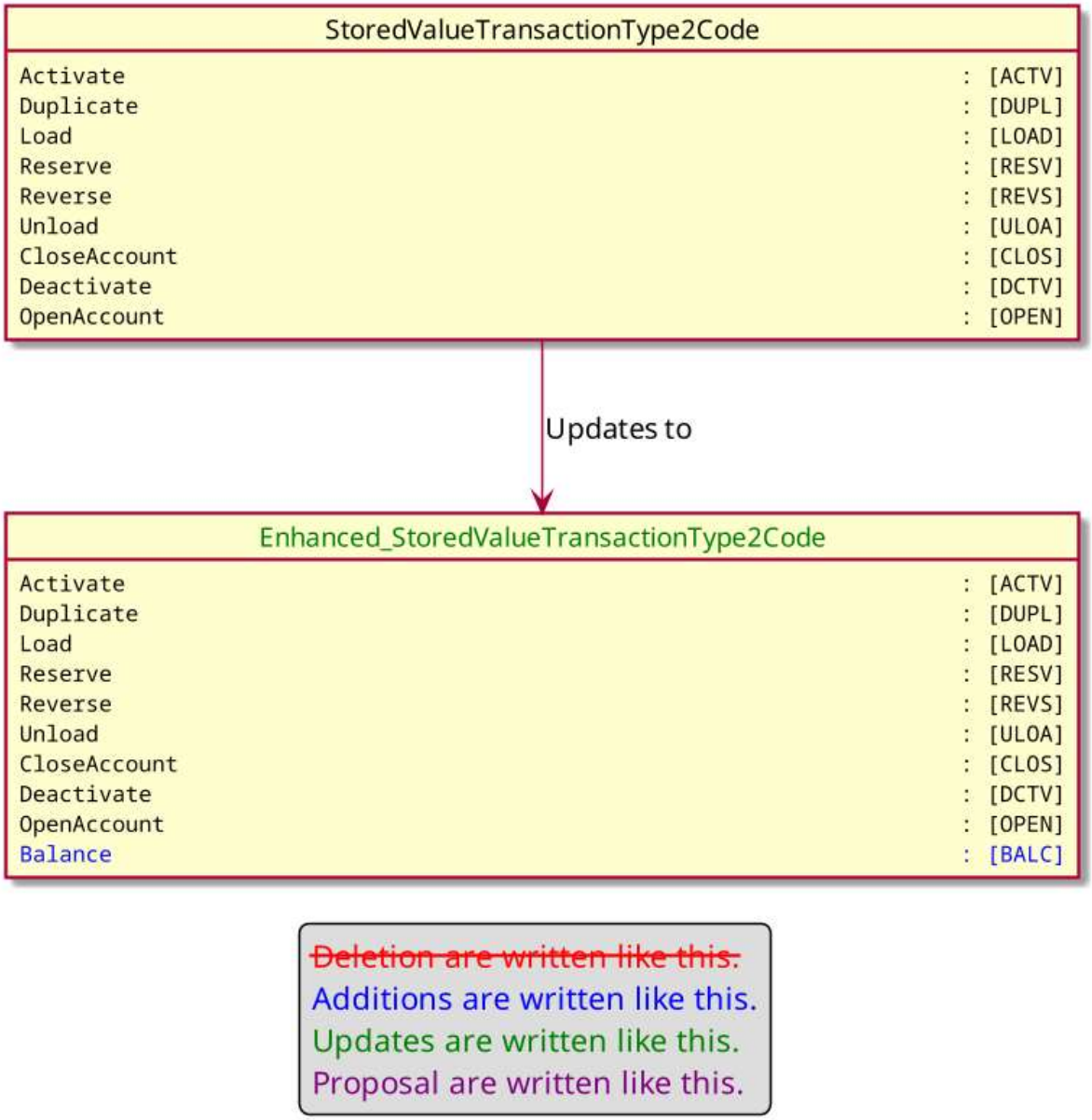
The severity of the impact of the proposed change for the message users should be indicated in the table below (either "no impact", "conditional' or "mandatory").

Type of impact		
	No impact	The change(s) will not impact the schema (the version number will not change) and will not impact the business applications of any users, e.g. the clarification of a definition
X	Conditional	The change(s) will impact the schema (at least the version number) and the business applications of certain users but not all, e.g. the addition of an optional component
	Mandatory	The change(s) will impact the schema and the business applications of all users, e.g. addition of a mandatory component.

I. **Proposed implementation:**

The implementation will be done accordingly to the ChangeRequest.

Then on *StoredValueTransactionType2Code*



J. **Proposed timing:**

The submitting organization confirms that it can implement the requested changes in the requested timing, or, if not, proposes another timing.

Timing	- As requested
	- ~~Other:~~

K. **Final decision of the SEG(s):**

This section is not to be taken care of by the submitting organization. It will be completed in due time by the SEG(s) in charge of the related ISO 20022 messages.

Approve	X

Comments:

Reject	

Reason for rejection:

Change request number #1289 nexo expiry date

Copy of the approved change request:

A. **Origin of the request:**

A.1 Submitter: nexo A.I.S.B.L.

A.2 Contact person:

- Philippe CECE (philippe.cece@nexo-standards.org)
- Evelyne de JONGHE (evelyne.de-jonghe@frenchsys.com)

A.3 Sponsors: nexo A.I.S.B.L.

B. **Related messages:**

- AcceptorAuthorisationRequest V12 (caaa.001.001.12)
- AcceptorAuthorisationResponse V12 (caaa.002.001.12)
- AcceptorCompletionAdvice V12 (caaa.003.001.12)
- AcceptorCompletionAdviceResponse V11 (caaa.004.001.11)
- AcceptorCancellationRequest V12 (caaa.005.001.12)
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- AcceptorCancellationAdviceResponse V11 (caaa.008.001.11)
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- AcceptorReconciliationResponse V10 (caaa.010.001.10)
- AcceptorBatchTransfer V12 (caaa.011.001.12)
- AcceptorBatchTransferResponse V11 (caaa.012.001.11)
- AcceptorDiagnosticRequest V11 (caaa.013.001.11)
- AcceptorDiagnosticResponse V10 (caaa.014.001.10)
- AcceptorCurrencyConversionRequest V10 (caaa.016.001.10)
- AcceptorCurrencyConversionResponse V10 (caaa.017.001.10)
- AcceptorCurrencyConversionAdvice V07 (caaa.018.001.07)

- AcceptorCurrencyConversionAdviceResponse V06 (caaa.019.001.06)
- TransactionAdvice V04 (caaa.020.001.04)
- TransactionAdviceResponse V04 (caaa.021.001.04)
- AcceptorNonFinancialRequest V03 (caaa.022.001.03)
- AcceptorNonFinancialResponse V03 (caaa.023.001.03)
- AcceptorTransactionLogReportRequest V03 (caaa.024.001.03)
- AcceptorTransactionLogReportResponse V03 (caaa.025.001.03)

- ManagementPlanReplacement V11 (catm.002.001.11)
- MaintenanceDelegationRequest V09 (catm.005.001.09)

- SaleToPOIServiceRequest V05 (casp.001.001.05)
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- SaleToPOIMessageStatusRequest V05 (casp.014.001.05)
- SaleToPOIMessageStatusResponse V05 (casp.015.001.05)
- SaleToPOIDeviceRequest V05 (casp.016.001.05)
- SaleToPOIDeviceResponse V05 (casp.017.001.05)

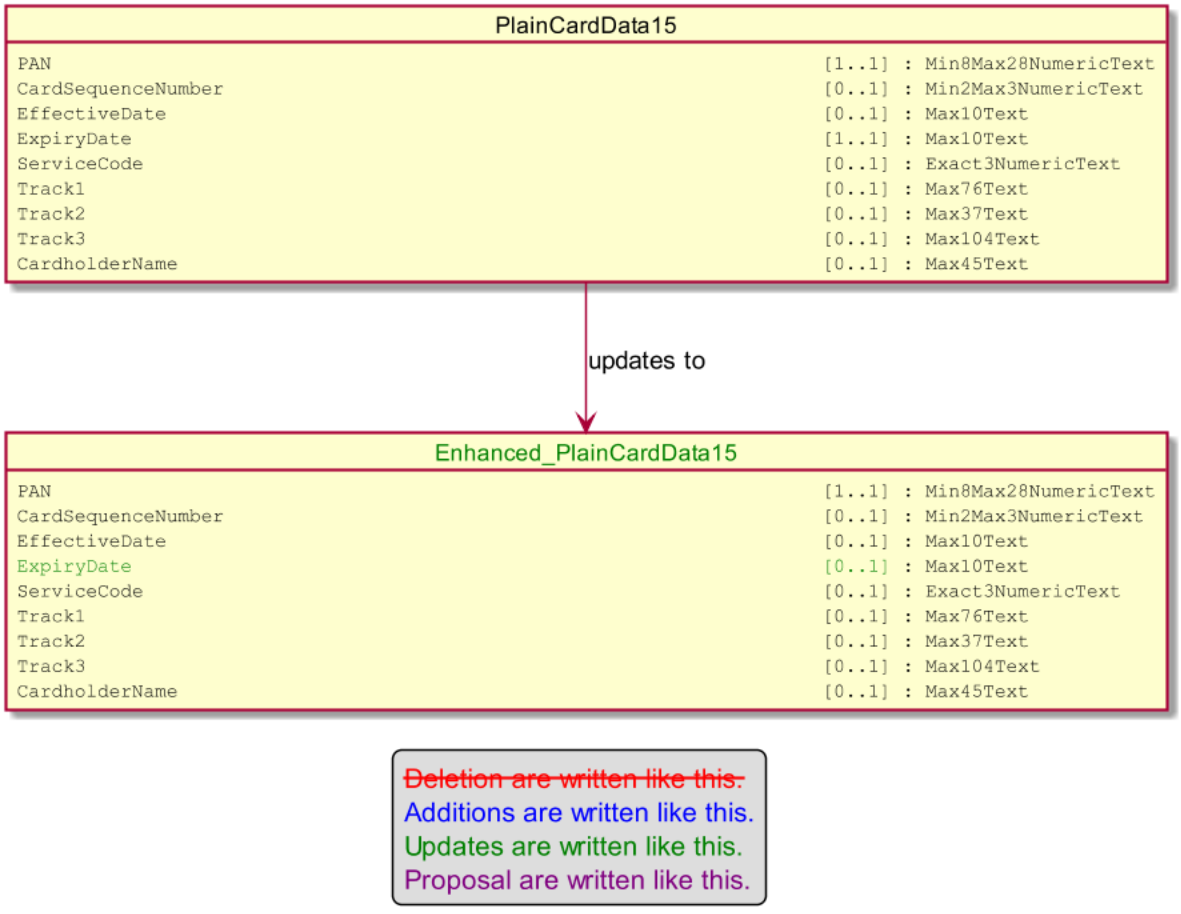
C. **Description of the change request:**

Sometimes we may have to process a card without an expiry date. Typically, it could be the case with a contactless device where the card has been tokenised.

So we need to define the message element *ExpiryDate* as optional.

D. **Purpose of the change:**

As explained before we will define *ExpiryDate* in the message component *PlanCardData15* as optional as highlighted in the following diagram.



E. **Urgency of the request:**

Urgent

F. **Business examples:**

Examples illustrating the change request.

G. **SEG/TSG recommendation:**

This section is not to be taken care of by the submitter of the change request. It will be completed in due time by the SEG(s) in charge of the related ISO 20022 messages or the TSG for changes related to the BAH.

Consider	X	**Timing**	
		- Next yearly cycle: 2023/2024 (the change will be considered for implementation in the yearly maintenance cycle which starts in 2023 and completes with the publication of new message versions in the spring of 2024)	X
		- At the occasion of the next maintenance of the messages (the change will be considered for implementation, but does not justify maintenance of the messages in its own right – will be pending until more critical change requests are received for the messages)	
		- Urgent unscheduled (the change justifies an urgent implementation outside of the normal yearly cycle)	
		- Other timing:	

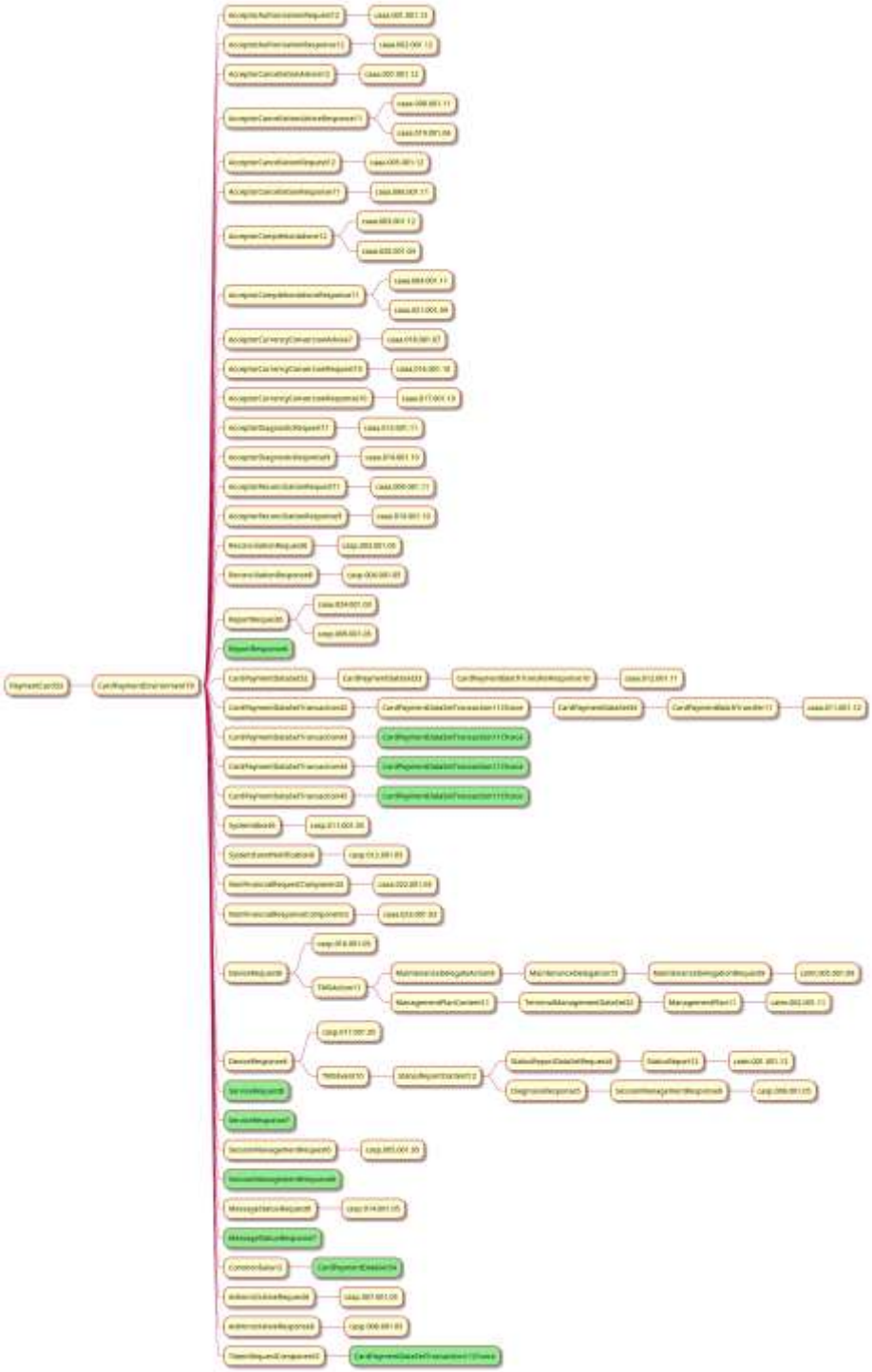
Comments:

Reject	

Reason for rejection:

H. **Impact analysis and type of impact:**

The update of *PlainCardData15* will be done accordingly to the Change Request. The ripple effect analysis has been done on this element.



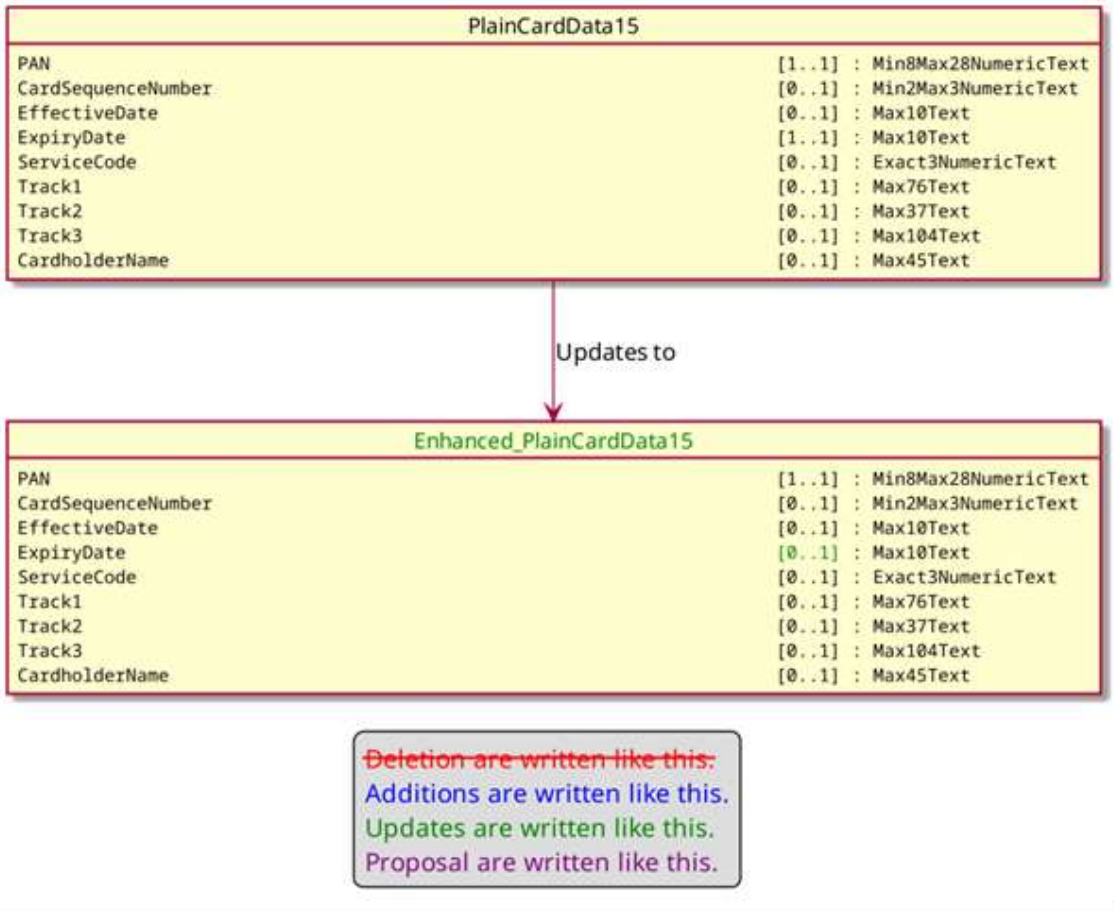
The severity of the impact of the proposed change for the message users should be indicated in the table below (either “no impact”, “conditional’ or “mandatory”).

Type of impact		
	No impact	The change(s) will not impact the schema (the version number will not change) and will not impact the business applications of any users, e.g. the clarification of a definition
X	Conditional	The change(s) will impact the schema (at least the version number) and the business applications of certain users but not all, e.g. the addition of an optional component
	Mandatory	The change(s) will impact the schema and the business applications of all users, e.g. addition of a mandatory component.

I. **Proposed implementation:**

The implementation will de done accordingly to the Change Request.

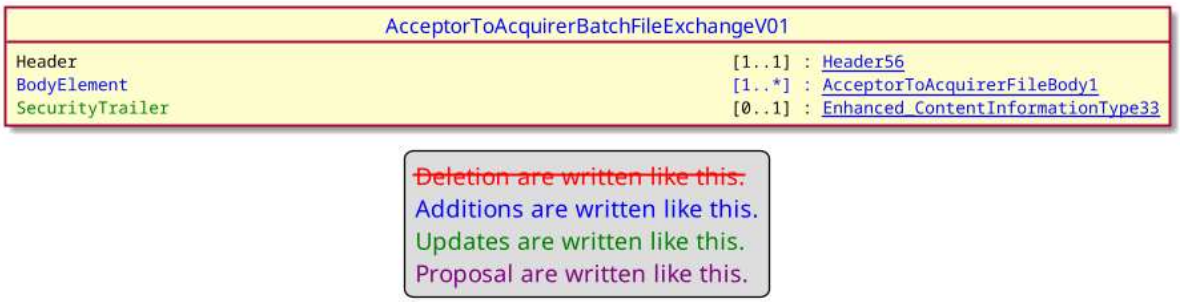
Then *PlainCardData15* will be



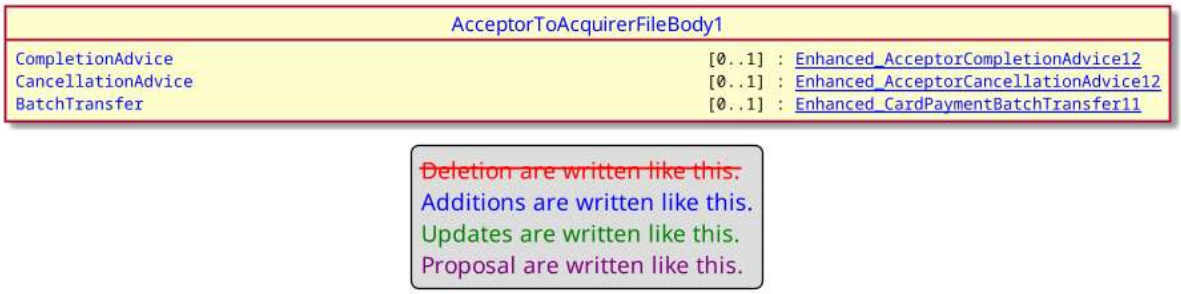
During the analysis of this Change Request and specifically the ripple effect on *PlainCardData15*, we came to the conclusion that our current message definitions might not fit the expectation of an Intermediary agent since there is no solution to group a set of messages between an Intermediary Agent and an Acquirer.

Consequently we would like to use the ripple effect's opportunity to create 2 new messages that will allow exchange of message collection between an Intermediary Agent and an Acquirer.

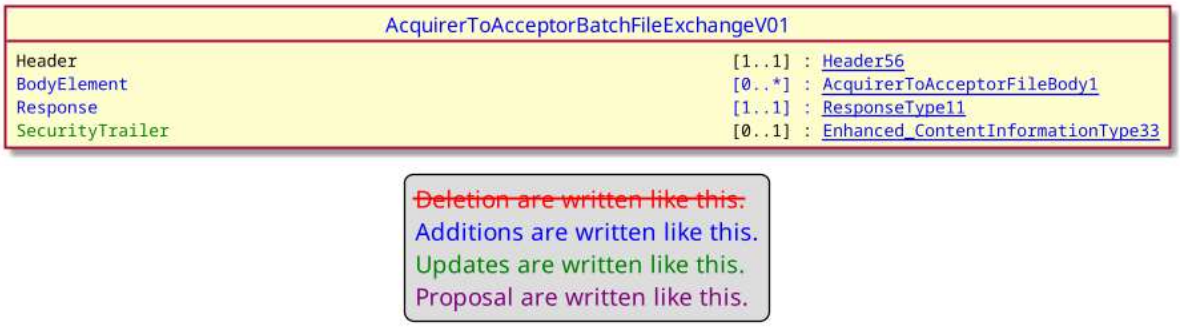
The first message will be the request from the IntermediaryAgent to the Acquirer.



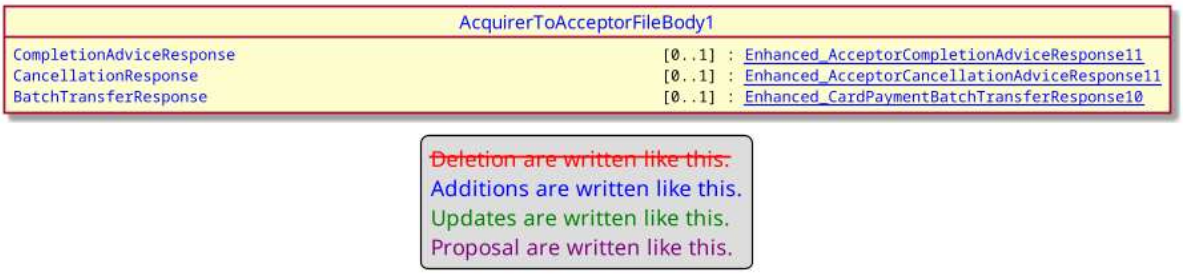
Where the message component *AcceptorToAcquirerFileBody1* will be defined as.



The second message will be the response from the Acquirer to the IntermediaryAgent.



With the message component *AcquirerToAcceptorFileBody1* defined as



J. **Proposed timing:**

The submitting organization confirms that it can implement the requested changes in the requested timing, or, if not, proposes another timing.

Timing	- As requested
	- ~~Other:~~

K. **Final decision of the SEG(s):**

This section is not to be taken care of by the submitting organization. It will be completed in due time by the SEG(s) in charge of the related ISO 20022 messages.

Approve	X

Comments:

Reject	

Reason for rejection:

Change request number #1290 nexo Installment and recurring

Copy of the approved change request:

A. **Origin of the request:**

A.1 Submitter: nexo A.I.S.B.L.

A.2 Contact person:

- Philippe CECE (philippe.cece@nexo-standards.org)
- Evelyne de JONGHE (evelyne.de-jonghe@frenchsys.com)

A.3 Sponsors: nexo A.I.S.B.L.

B. **Related messages:**

- AcceptorAuthorisationRequest V12 (caaa.001.001.12)
- AcceptorAuthorisationResponse V12 (caaa.002.001.12)
- AcceptorBatchTransfer V12 (caaa.011.001.12)
- AcceptorCompletionAdvice V12 (caaa.003.001.12)
- AcceptorCurrencyConversionAdvice V07 (caaa.018.001.07)
- AcceptorCurrencyConversionResquest V10 (caaa.016.001.10)
- AcceptorCurrencyConversionResponse V10 (caaa.017.001.10)
- AcceptorNonFinancialRequest V03 (caaa.022.001.03)
- AcceptorTransactionLogReportResponse V03 (caaa.025.001.03)
- SaleToPOIMessageStatusResponse V05 (casp.015.001.05)
- SaleToPOIReportResponse V05 (casp.010.001.05)
- SaleToPOIServiceRequest V05 (casp.001.001.05)
- SaleToPOIServiceResponse V05 (casp.002.001.05)
- TransactionAdvice V04 (caaa.020.001.04)

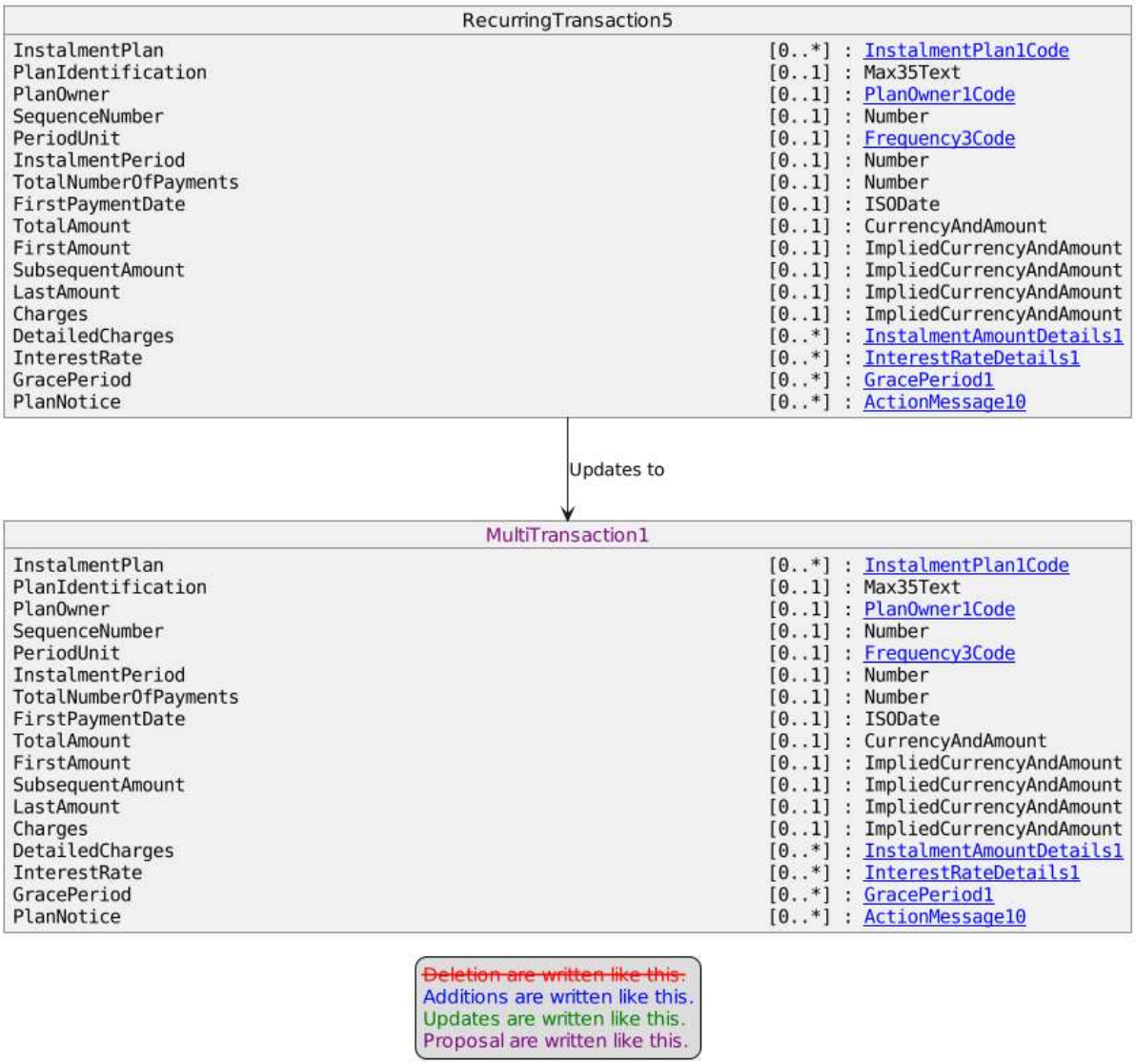
C. **Description of the change request:**

We received a lot of support requests from implementers to understand how to manage Instalment and Recurring transactions. With the current model recurring transaction and instalment payments shared the same message component *RecurringTransaction*, and the message element *Instalment.*

The aim of this change request is to harmonize the model by clearly identifying message element and component for each dedicated type of payment as identified by the following diagrams.

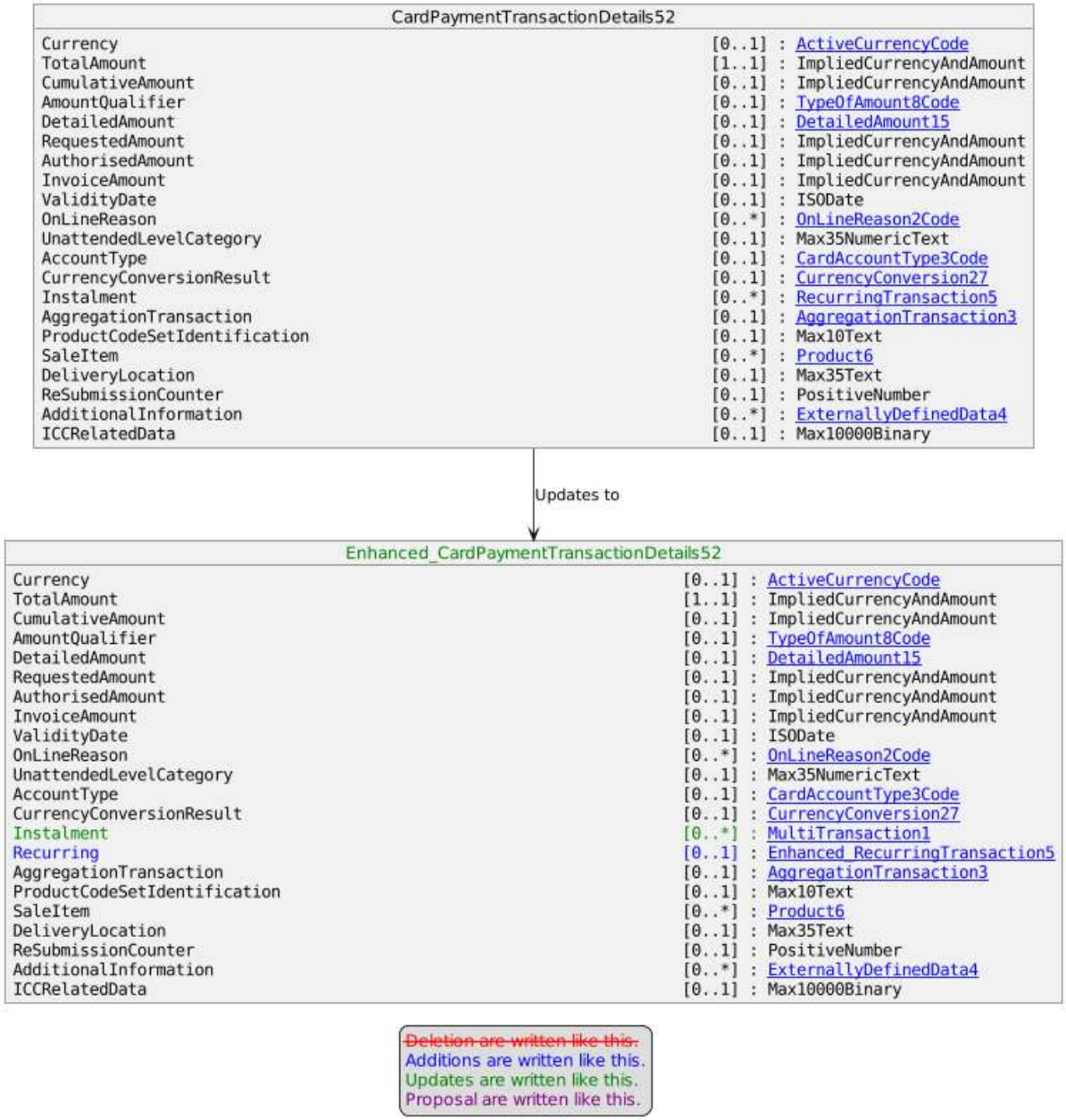
D. **Purpose of the change:**

The following diagram identify the change of the *RecurringTransaction5* which will be derived to *MultiTransaction1* to convey instalment information.



The definition of *RecurringTransaction5* will be simplified to focus on recurring information only as depicted in the following diagram.

Consequently, the transaction details will be updated to include a new message element devoted to *recurring*.



E. **Urgency of the request:**

Urgent

F. **Business examples:**

Examples illustrating the change request.

G. **SEG/TSG recommendation:**

This section is not to be taken care of by the submitter of the change request. It will be completed in due time by the SEG(s) in charge of the related ISO 20022 messages or the TSG for changes related to the BAH.

Consider	X	**Timing**	
		- Next yearly cycle: 2023/2024 (the change will be considered for implementation in the yearly maintenance cycle which starts in 2023 and completes with the publication of new message versions in the spring of 2024)	X
		- At the occasion of the next maintenance of the messages (the change will be considered for implementation, but does not justify maintenance of the messages in its own right – will be pending until more critical change requests are received for the messages)	
		- Urgent unscheduled (the change justifies an urgent implementation outside of the normal yearly cycle)	
		- Other timing:	

Comments:

The comment of the representative of VISA is that Instalment Plan Component should be harmonised with ATICA Version 3.0. There has to be an Identification and owner per plan which is multiple. There will be a meeting of VISA and the submitter to solve the issue.

Reject	

Reason for rejection:

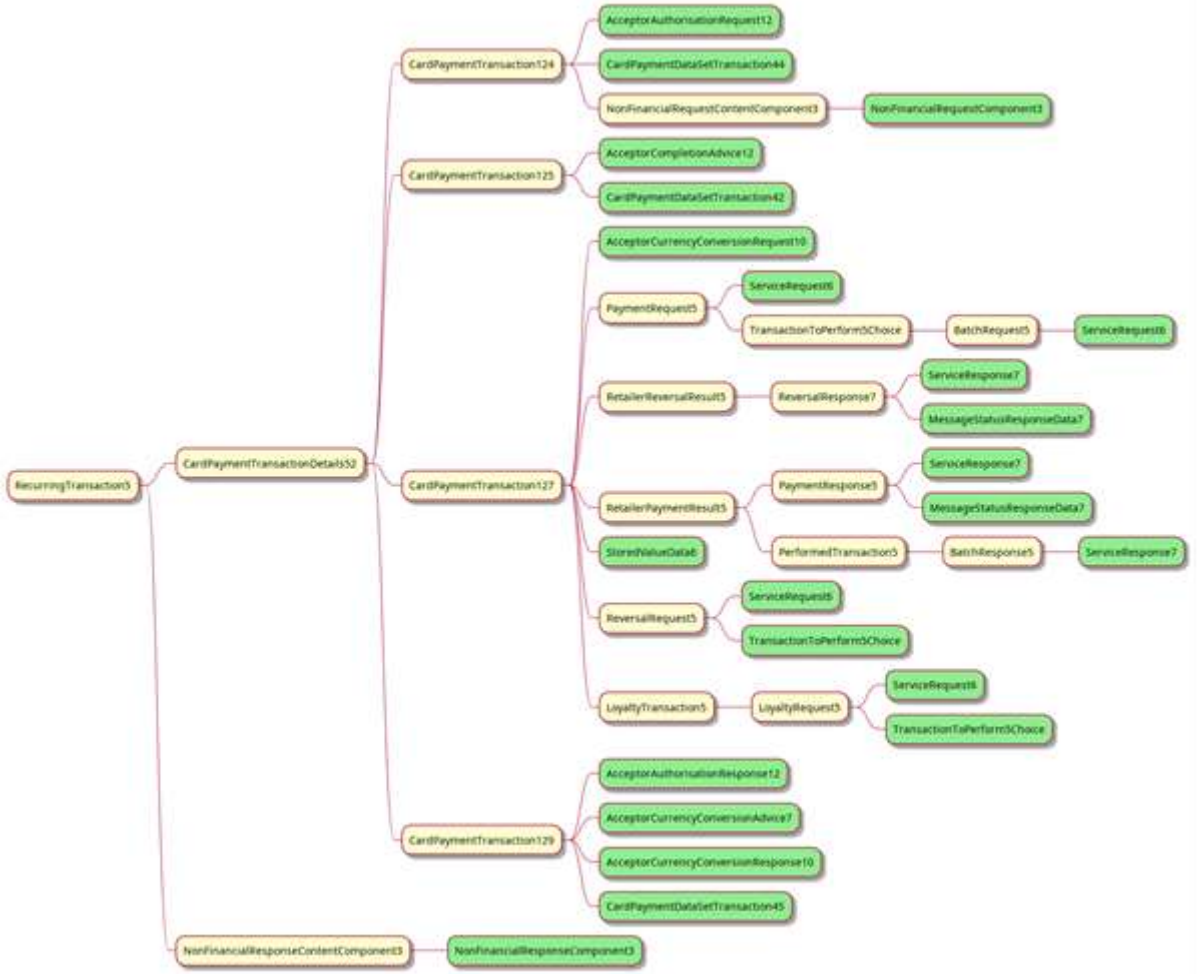
H. **Impact analysis and type of impact:**

During a meeting with VISA, nexo explained that the multiplicity of *InstalmentPlan* is [0,*] due to the support of Merchant Instalment, then it has been confirmed that the model proposed in the Change Request is valid. Nevertheless, we believe that the new name of the component should be *InstalmentX* since it will be used only to support Instalment.

The update of *RecurringTransaction5* will be done accordingly to the Change Request like the update of *CardPaymentTransactionDetails52.*

But we take the opportunity of this update to also add 3 new message elements. These 3 new elements are linked to a specific use case of E-Commerce, where an authorization could lead to multiple completion. In this regard, 2 elements *CompletionSequenceNumber,* defined as a *Number,* and *CompletionSequenceCounter,* also defined as *Number,* identify respectively the total number of expected completion and the current completion order in the total sequence. The last message element identifies the total authorized amount received during the authorisation step.

The ripple effect analysis has been done and could be limited to the one of *RecurringTransaction5* since this element is part of *CardPaymentTransactionDetails52*



The severity of the impact of the proposed change for the message users should be indicated in the table below (either "no impact", "conditional' or "mandatory").

Type of impact		
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X	Conditional	The change(s) will impact the schema (at least the version number) and the business applications of certain users but not all, e.g. the addition of an optional component
	Mandatory	The change(s) will impact the schema and the business applications of all users, e.g. addition of a mandatory component.

I. **Proposed implementation:**

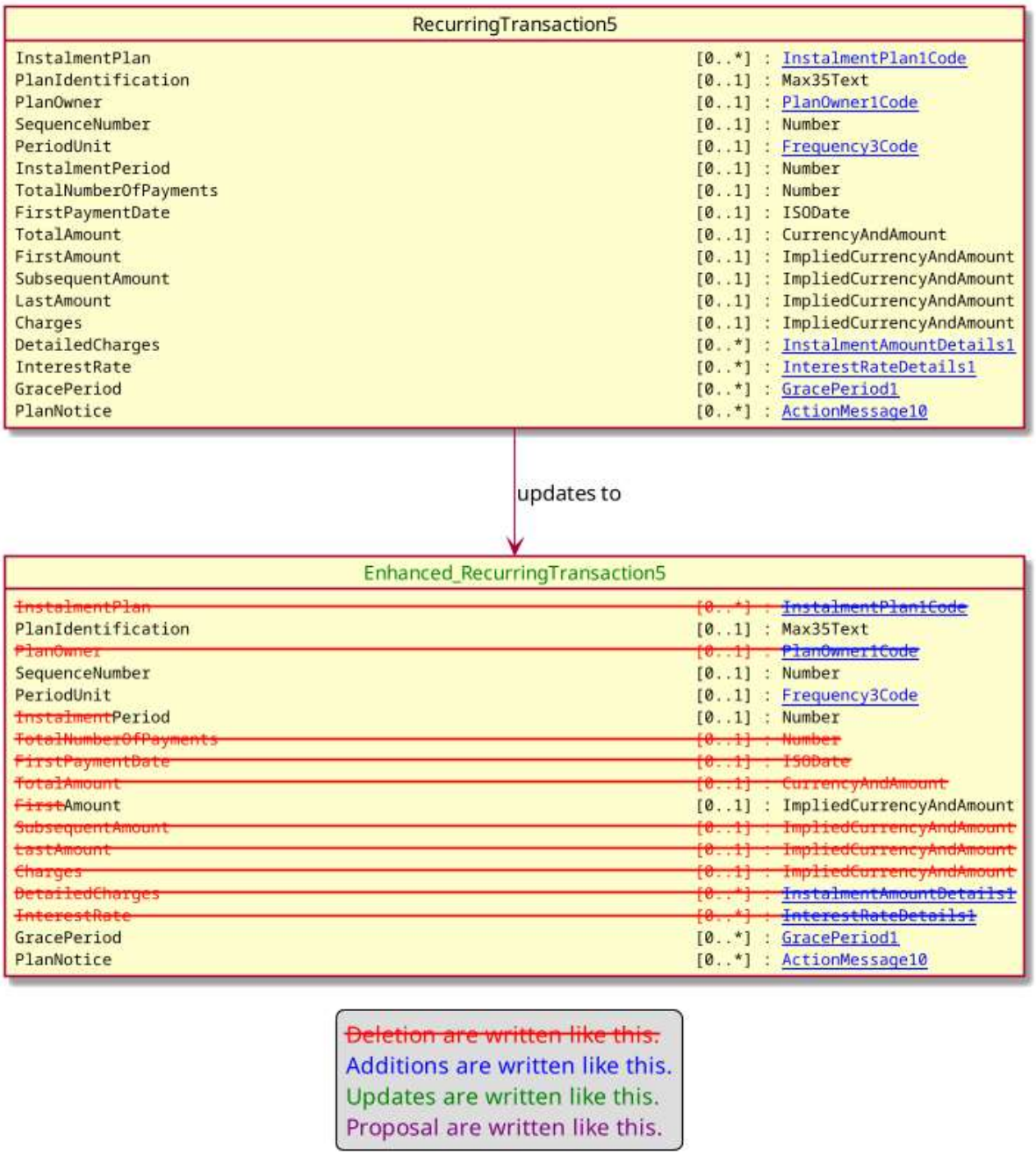
The implementation will be done accordingly to the Change Request.

On *InstalmentX*

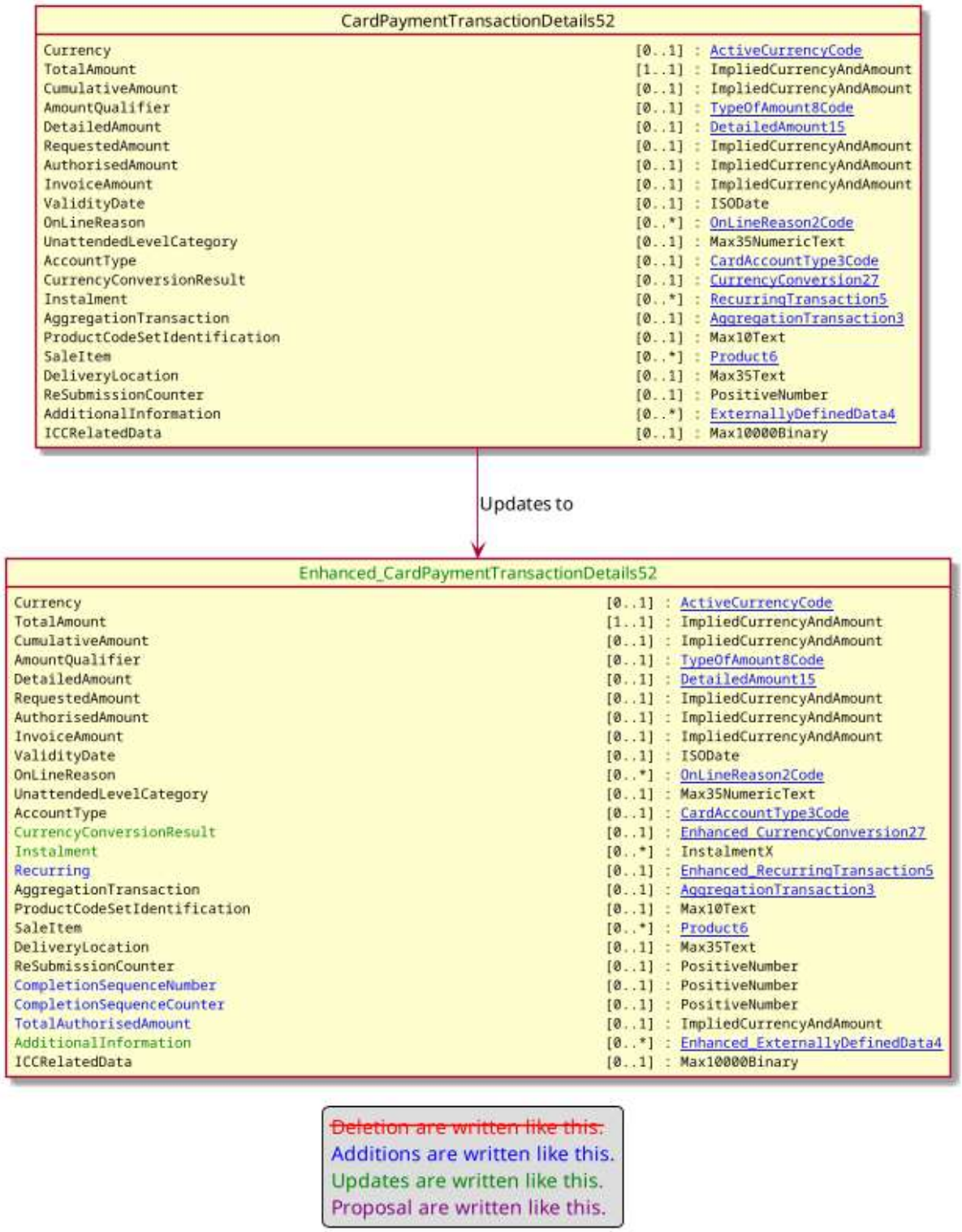
InstalmentX		
InstalmentPlan	[0..*]	InstalmentPlan1Code
PlanIdentification	[0..1]	Max35Text
PlanOwner	[0..1]	PlanOwner1Code
SequenceNumber	[0..1]	Number
PeriodUnit	[0..1]	Frequency3Code
InstalmentPeriod	[0..1]	Number
TotalNumberOfPayments	[0..1]	Number
FirstPaymentDate	[0..1]	ISODate
TotalAmount	[0..1]	CurrencyAndAmount
FirstAmount	[0..1]	ImpliedCurrencyAndAmount
SubsequentAmount	[0..1]	ImpliedCurrencyAndAmount
LastAmount	[0..1]	ImpliedCurrencyAndAmount
Charges	[0..1]	ImpliedCurrencyAndAmount
DetailedCharges	[0..*]	InstalmentAmountDetails1
InterestRate	[0..*]	InterestRateDetails1
GracePeriod	[0..*]	GracePeriod1
PlanNotice	[0..*]	ActionMessage10

~~Deletion are written like this.~~
Additions are written like this.
Updates are written like this.
Proposal are written like this.

On RecurringTransaction5



On CardPaymentTransactionDetails52



J. **Proposed timing:**

The submitting organization confirms that it can implement the requested changes in the requested timing, or, if not, proposes another timing.

Timing	- As requested
	- ~~Other:~~

K. **Final decision of the SEG(s):**

This section is not to be taken care of by the submitting organization. It will be completed in due time by the SEG(s) in charge of the related ISO 20022 messages.

Approve	X

Comments:

Reject	

Change request number #1291 nexo Key Access

Copy of the approved change request:

A. **Origin of the request:**

A.1 Submitter: nexo A.I.S.B.L.

A.2 Contact person:

- Philippe CECE (philippe.cece@nexo-standards.org)
- Laure BELTRI (laure.beltri@frenchsys.com)

A.3 Sponsors: nexo A.I.S.B.L.

B. **Related messages:**

- StatusReport V12 (catm.001.001.12)
- AcceptorConfigurationUpdate V12 (catm.003.001.12)

C. **Description of the change request:**

The Terminal Management protocol supports key downloading, but we would like to restrict the access or usage of these keys to some specified applications residing on the POI and in some extent to some sub components or actors like a specific acquirer.

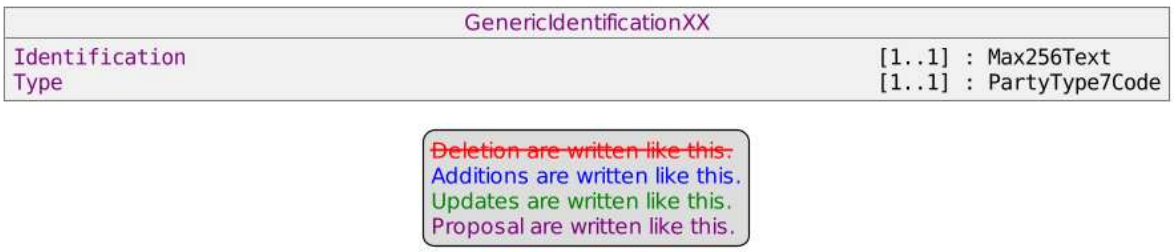
Consequently, we will add in *CryptographicKey17* an element, that could be repeated, called *restrictedAccess* defined with a new component called *GenericIdentificationXX* to identify components that could use this *key*. The definition of this new element will be "*Identifies components that could have access to this key."*

And to ensure, on some architectures, that the information has not been altered an additional *ProtectedRestrictedAccess* will be provided as a Cryptographic Message Syntax message component.

D. **Purpose of the change:**

As explained before we will update the *CryptographicKey17* with the new elements.

The message component *GenericIdentificationXX* is documented as *points to an element in the system* and is defined by the following diagram.



E. **Urgency of the request:**

Urgent

F. **Business examples:**

Examples illustrating the change request.

G. **SEG/TSG recommendation:**

This section is not to be taken care of by the submitter of the change request. It will be completed in due time by the SEG(s) in charge of the related ISO 20022 messages or the TSG for changes related to the BAH.

Consider	**X**	**Timing**	
		- Next yearly cycle: 2023/2024 (the change will be considered for implementation in the yearly maintenance cycle which starts in 2023 and completes with the publication of new message versions in the spring of 2024)	X
		- At the occasion of the next maintenance of the messages (the change will be considered for implementation, but does not justify maintenance of the messages in its own right – will be pending until more critical change requests are received for the messages)	
		- Urgent unscheduled (the change justifies an urgent implementation outside of the normal yearly cycle)	
		- Other timing:	

Comments:

The element should be renamed from RestrictedAccess to another name expressing which component of the POI is allowed to use the key.

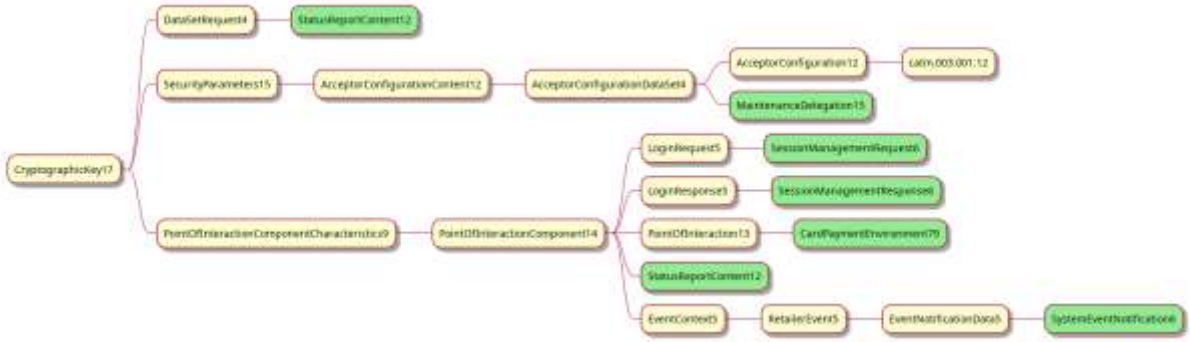
Reject	

Reason for rejection:

H. **Impact analysis and type of impact:**

The creation of the *GenericIdentificationXX* will be done accordingly to the ChangeRequest. Regarding the request of the CardSEG on elements' name, we suggest using another name *ComponentWithAuthorizedAccess*.

Since the update of *CryptographicKey17* implies the creation of *GenericIdentificationXX as* new message component, the ripple effect analysis could be done on *CryptographicKey17* only.

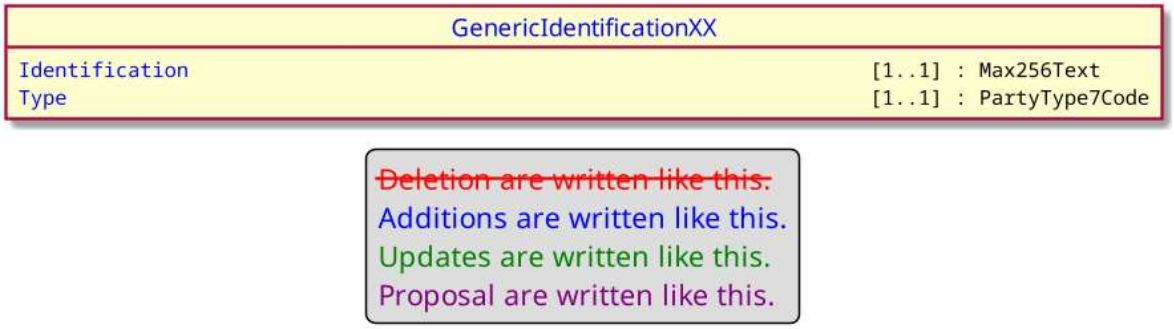


The severity of the impact of the proposed change for the message users should be indicated in the table below (either "no impact", "conditional' or "mandatory").

Type of impact		
	No impact	The change(s) will not impact the schema (the version number will not change) and will not impact the business applications of any users, e.g. the clarification of a definition
X	Conditional	The change(s) will impact the schema (at least the version number) and the business applications of certain users but not all, e.g. the addition of an optional component
	Mandatory	The change(s) will impact the schema and the business applications of all users, e.g. addition of a mandatory component.

I. **Proposed implementation:**

The implementation of *GenericIdentificationXX* will be done accordingly to the ChangeRequets.



As explained in a previous chapter, the update of *CryptographicKey17* will be done with new message elements, as requested by CardSEG, with the same message components identified in the Change Request.

J. **Proposed timing:**

The submitting organization confirms that it can implement the requested changes in the requested timing, or, if not, proposes another timing.

Timing	- As requested
	- ~~Other:~~

K. **Final decision of the SEG(s):**

This section is not to be taken care of by the submitting organization. It will be completed in due time by the SEG(s) in charge of the related ISO 20022 messages.

Approve	X

Comments:

Reject	

Change request number #1292 nexo New Cryptographical Algorithm Support

Copy of the approved change request:

A. **Origin of the request:**

A.1 Submitter: nexo A.I.S.B.L.

A.2 Contact person:

- Philippe CECE (philippe.cece@nexo-standards.org)
- Laure BELTRI (laure.beltri@frenchsys.com)

A.3 Sponsors: nexo A.I.S.B.L.

B. **Related messages:**

- AcceptorAuthorisationRequest V12 (caaa.001.001.12)
- AcceptorAuthorisationResponse V12 (caaa.002.001.12)
- AcceptorCompletionAdvice V12 (caaa.003.001.12)
- AcceptorCompletionAdviceResponse V11 (caaa.004.001.11)
- AcceptorCancellationRequest V12 (caaa.005.001.12)
- AcceptorCancellationResponse V11 (caaa.006.001.11)
- AcceptorCancellationAdvice V12 (caaa.007.001.12)
- AcceptorCancellationAdviceResponse V11 (caaa.008.001.11)
- AcceptorReconciliationRequest V11 (caaa.009.001.11)
- AcceptorReconciliationResponse V10 (caaa.010.001.10)
- AcceptorBatchTransfer V12 (caaa.011.001.12)
- AcceptorBatchTransferResponse V11 (caaa.012.001.11)
- AcceptorDiagnosticRequest V11 (caaa.013.001.11)
- AcceptorDiagnosticResponse V10 (caaa.014.001.10)
- AcceptorCurrencyConversionRequest V10 (caaa.016.001.10)
- AcceptorCurrencyConversionResponse V10 (caaa.017.001.10)
- AcceptorCurrencyConversionAdvice V07 (caaa.018.001.07)

- AcceptorCurrencyConversionAdviceResponse V06 (caaa.019.001.06)
- TransactionAdvice V04 (caaa.020.001.04)
- TransactionAdviceResponse V04 (caaa.021.001.04)
- AcceptorNonFinancialRequest V03 (caaa.022.001.03)
- AcceptorNonFinancialResponse V03 (caaa.023.001.03)
- AcceptorTransactionLogReportRequest V03 (caaa.024.001.03)
- AcceptorTransactionLogReportResponse V03 (caaa.025.001.03)

- StatusReport V12 (catm.001.001.12)
- ManagementPlanReplacement V11 (catm.002.001.11)
- AcceptorConfigurationUpdate V12 (catm.003.001.12)
- MaintenanceDelegationRequest V09 (catm.005.001.09)
- MaintenanceDelegationResponse V07 (catm.006.001.07)
- CertificateManagementRequest V06 (catm.007.001.06)
- CertificateManagementResponse V06 (catm.008.001.06)

- SaleToPOIServiceRequest V05 (casp.001.001.05)
- SaleToPOIServiceResponse V05 (casp.002.001.05)
- SaleToPOIReconciliationRequest V05 (casp.003.001.05)
- SaleToPOIReconciliationResponse V05 (casp.004.001.05)
- SaleToPOISessionManagementRequest V05 (casp.005.001.05)
- SaleToPOISessionManagementResponse V05 (casp.006.001.05)
- SaleToPOIAdministrativeRequest V05 (casp.007.001.05)
- SaleToPOIAdministrativeResponse V05 (casp.008.001.05)
- SaleToPOIReportRequest V05 (casp.009.001.05)
- SaleToPOIReportResponse V05 (casp.010.001.05)
- SaleToPOIAbort V05 (casp.011.001.05)
- SaleToPOIEventNotification V05 (casp.012.001.05)
- SaleToPOIMessageStatusRequest V05 (casp.014.001.05)
- SaleToPOIMessageStatusResponse V05 (casp.015.001.05)
- SaleToPOIDeviceRequest V05 (casp.016.001.05)
- SaleToPOIDeviceResponse V05 (casp.017.001.05)

C. **Description of the change request:**

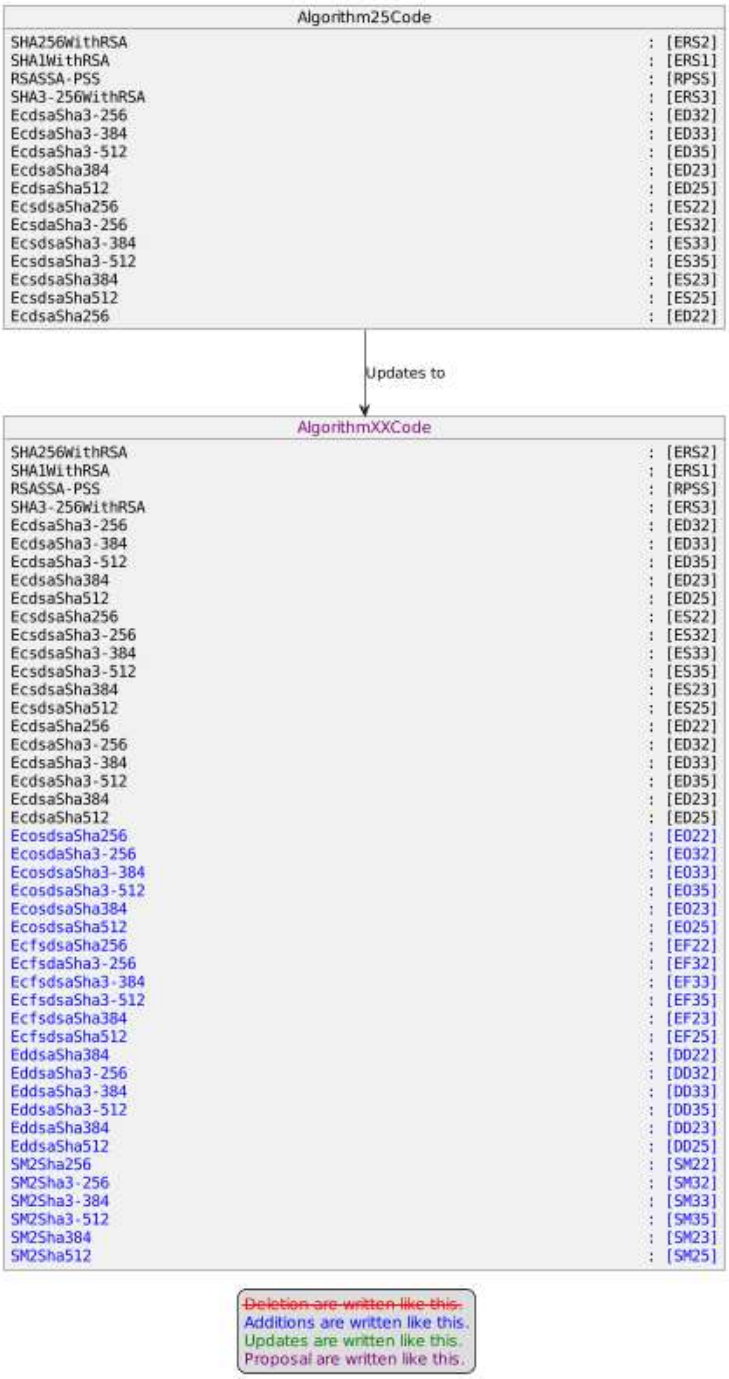
Since few years we have introduced elliptic curve signature support, like the support of Elliptic Curve Digital Signature Algorithm or Elliptic Curve Schnorr Digital Signature Algorithm algorithms. We would like to extend the list of supported signature algorithms to include algorithms with some beneficial computing features. Consequently, we want to add the support of the Elliptic Curve Optimised Schnorr Digital Signature Algorithm, the Elliptic Curve Full Schnorr Digital Signature and the Edward Digital Signature Algorithms.

On the other hand, we would like to provide support of Chinese algorithms for digest, cipher and elliptic curve signature, which will also create the support of new authentication methods.

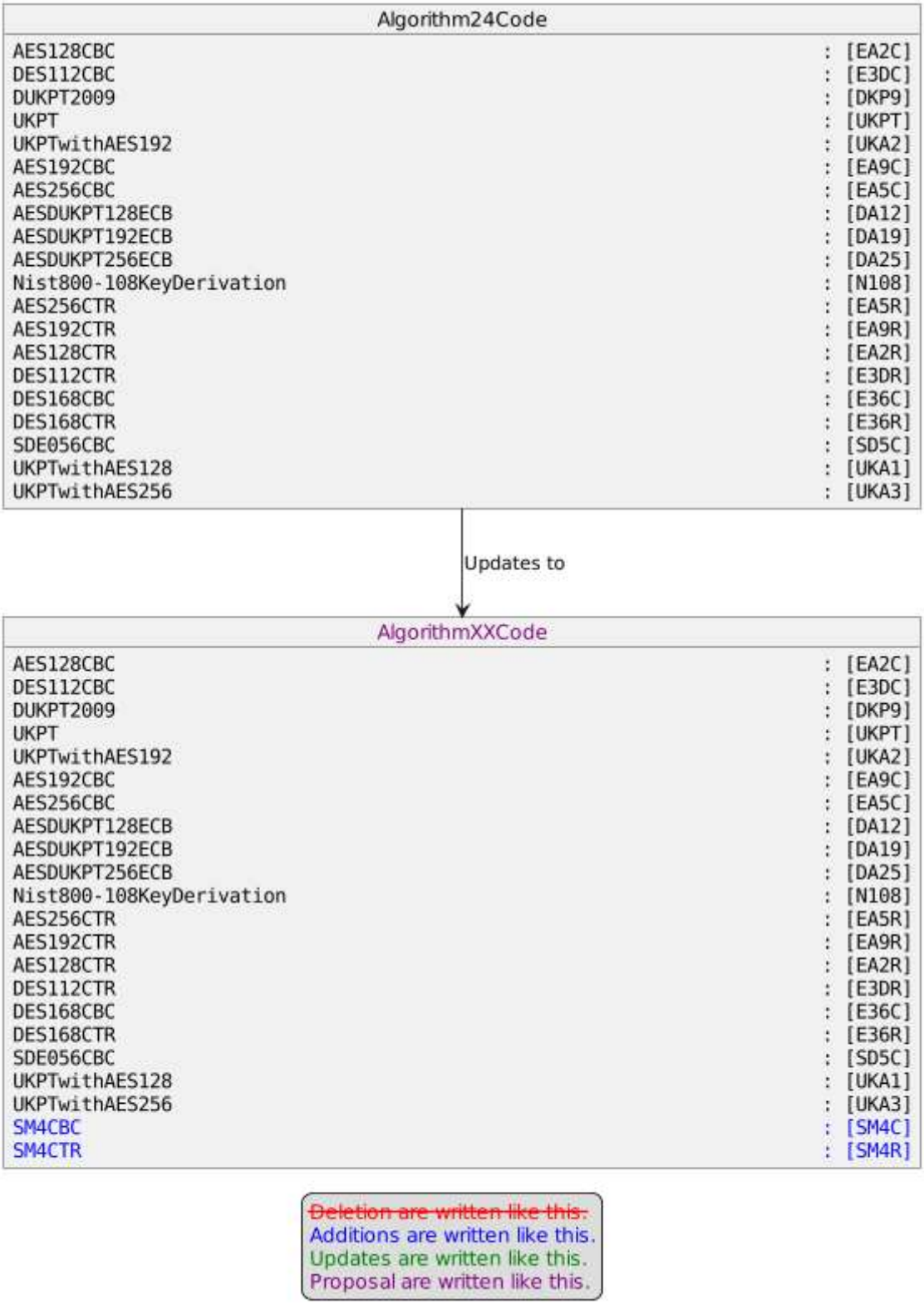
In consequence, we suggest modifying the list of supported of algorithms.

D. **Purpose of the change:**

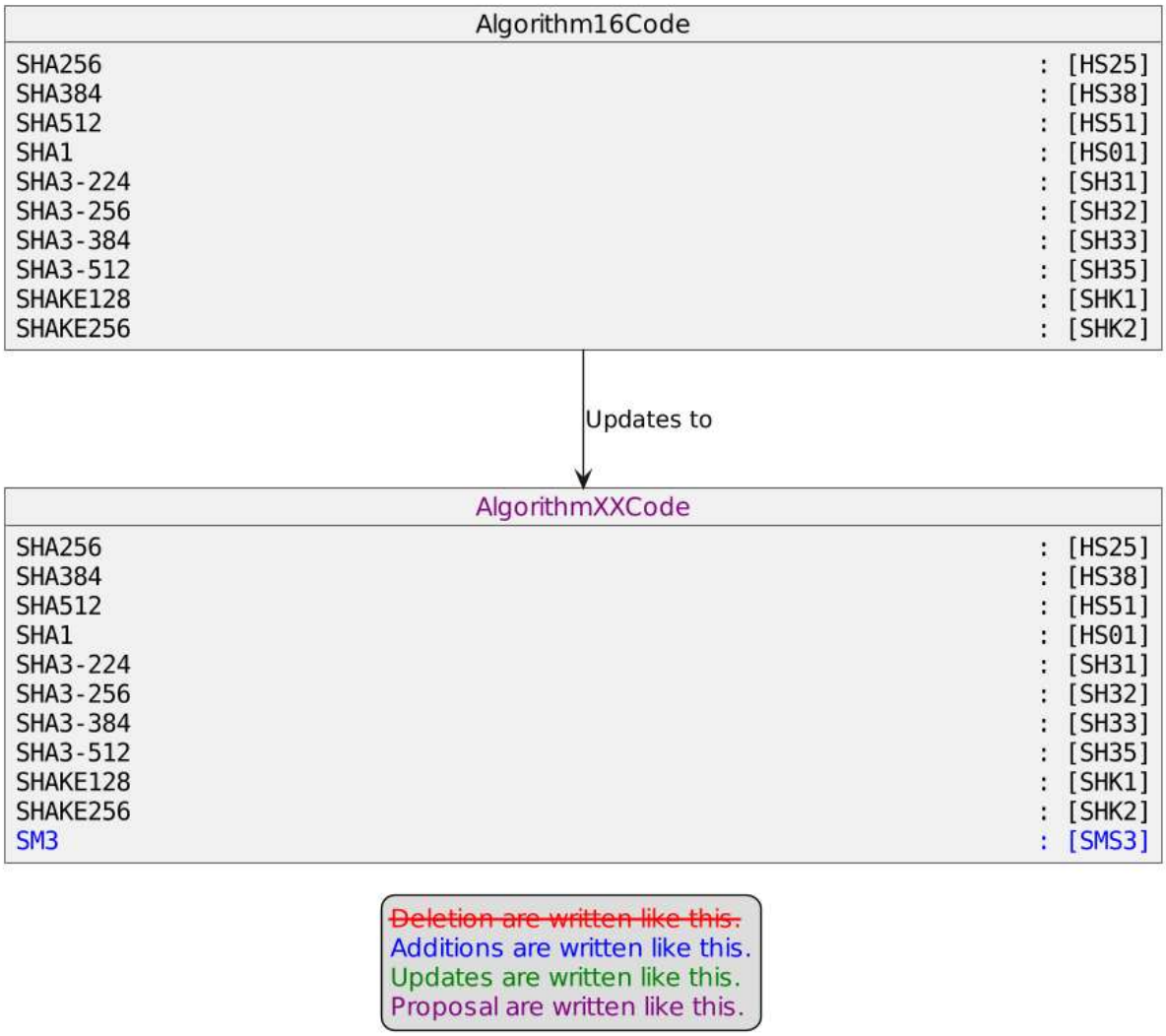
As explained before we will update the list of signature algorithms *Algorithm25Code* with new ones as identified in the following diagram.



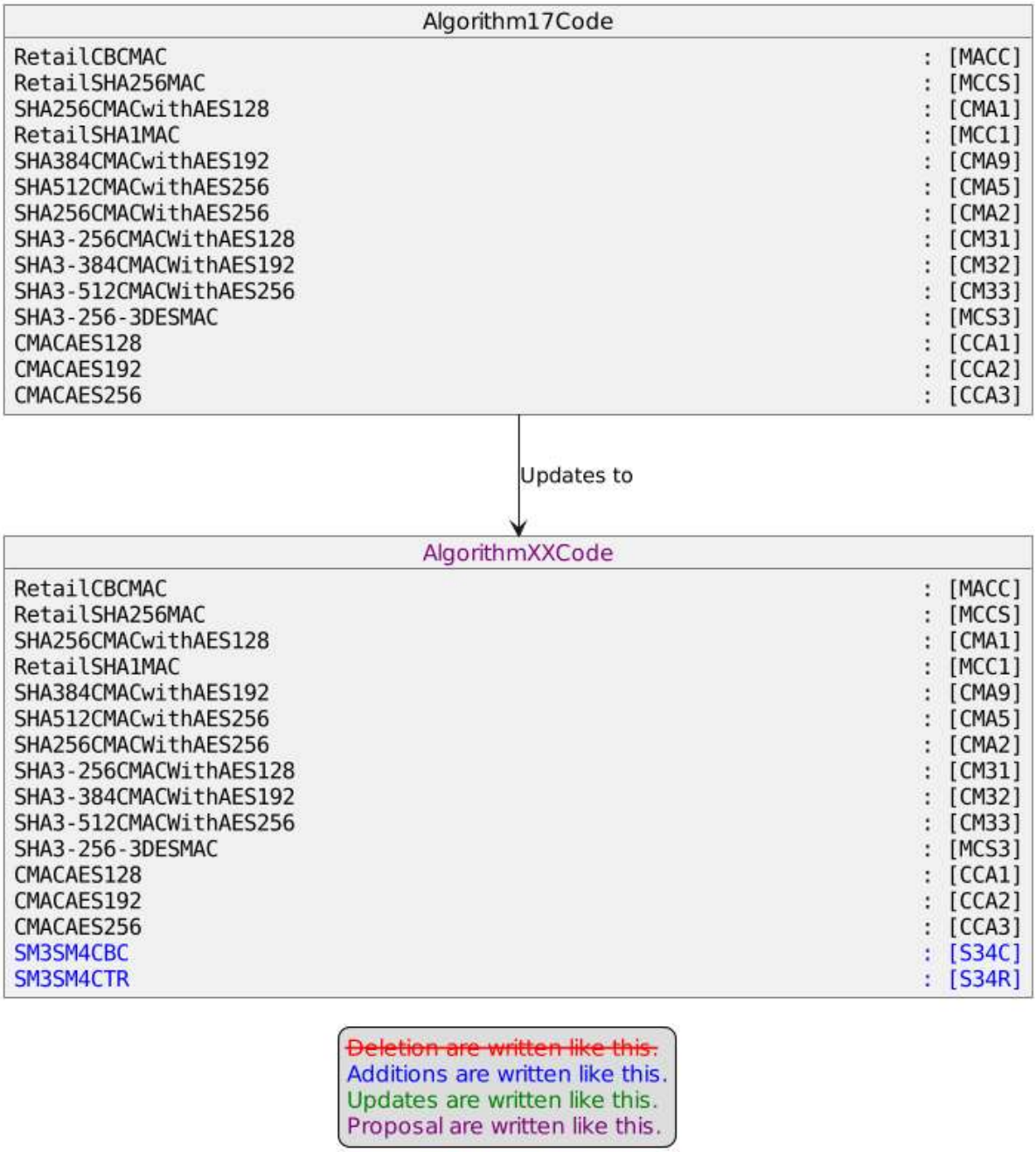
The list of cipher suite *Algorithm24Code* will be modified to support the SM4 algorithm with a CBC or CTR mode of operation as identified in the following diagram.



The list of digest suite *Algorithm16Code* will be enriched with the support of SM3 algorithm.



Consequently the list of authentication method A*lgorithm17Code* will be updated to support couples of SM3 and of various SM4 enciphering.



E. **Urgency of the request:**

Urgent

F. **Business examples:**

Examples illustrating the change request.

G. **SEG/TSG recommendation:**

This section is not to be taken care of by the submitter of the change request. It will be completed in due time by the SEG(s) in charge of the related ISO 20022 messages or the TSG for changes related to the BAH.

Consider	**X**	**Timing**	
		- Next yearly cycle: 2023/2024 (the change will be considered for implementation in the yearly maintenance cycle which starts in 2023 and completes with the publication of new message versions in the spring of 2024)	X
		- At the occasion of the next maintenance of the messages (the change will be considered for implementation, but does not justify maintenance of the messages in its own right – will be pending until more critical change requests are received for the messages)	
		- Urgent unscheduled (the change justifies an urgent implementation outside of the normal yearly cycle)	
		- Other timing:	

Comments:

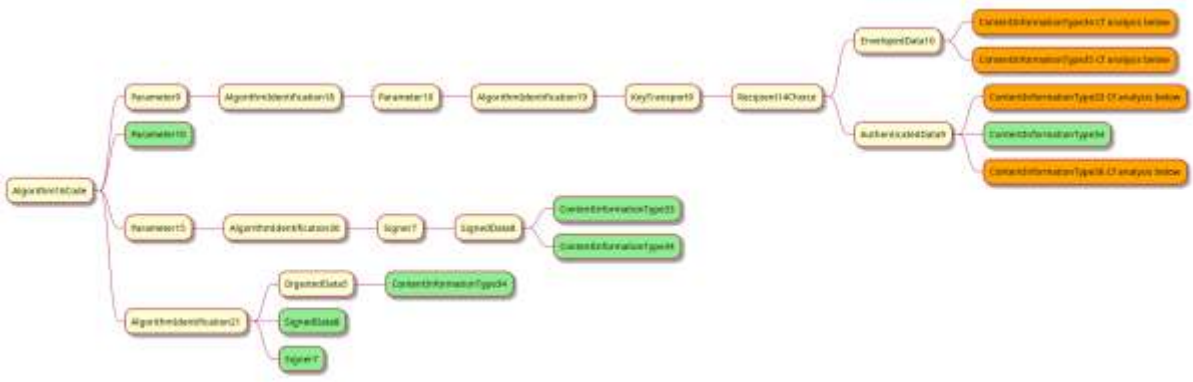
Reject	

Reason for rejection:

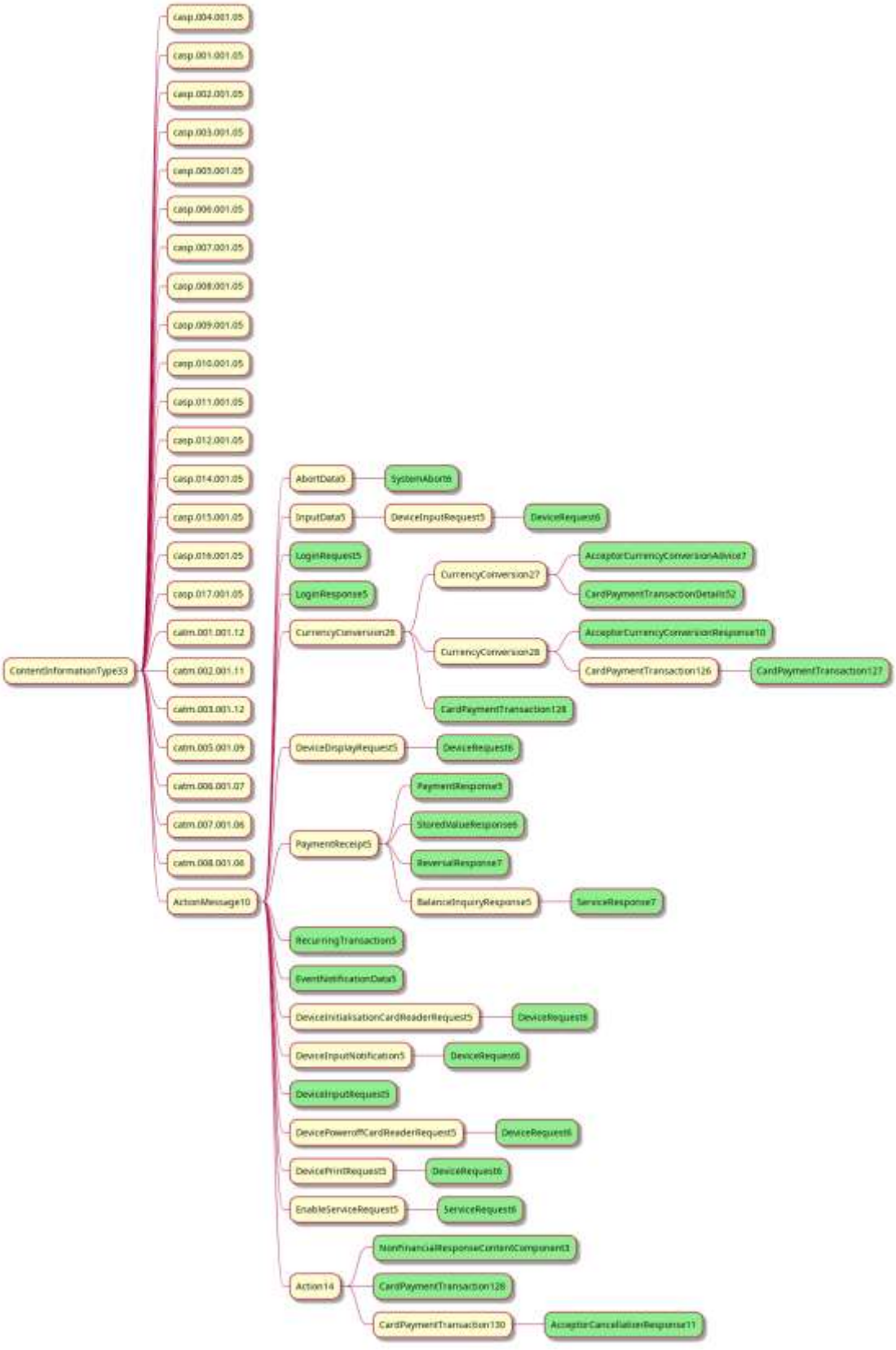
H. **Impact analysis and type of impact:**

The update of message components will be done accordingly to the Change Request.

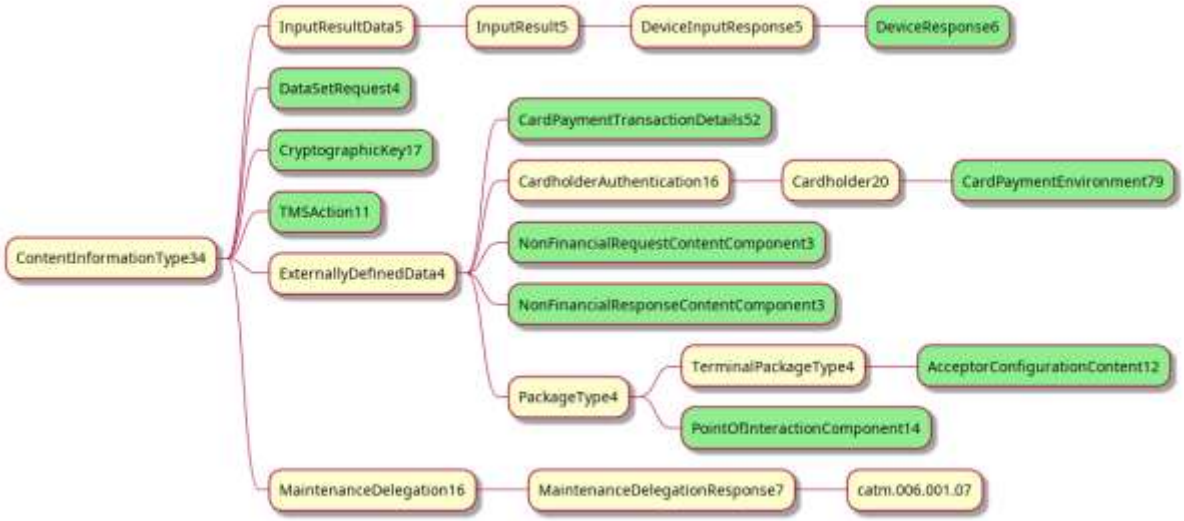
The ripple effect analysis on *Algorithm16Code* provide the following result.



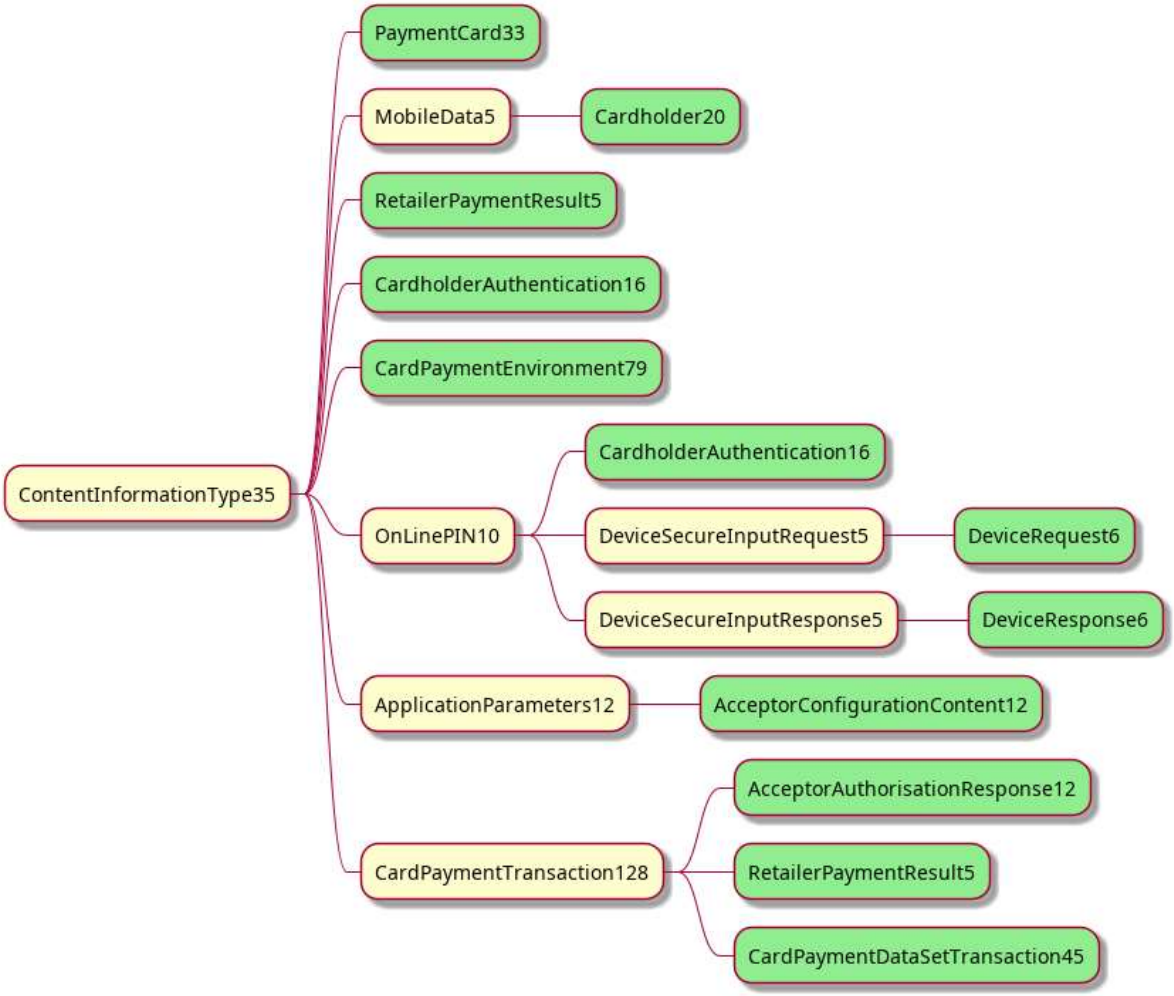
The ripple effect on *ContentInformationType33* is the following one.



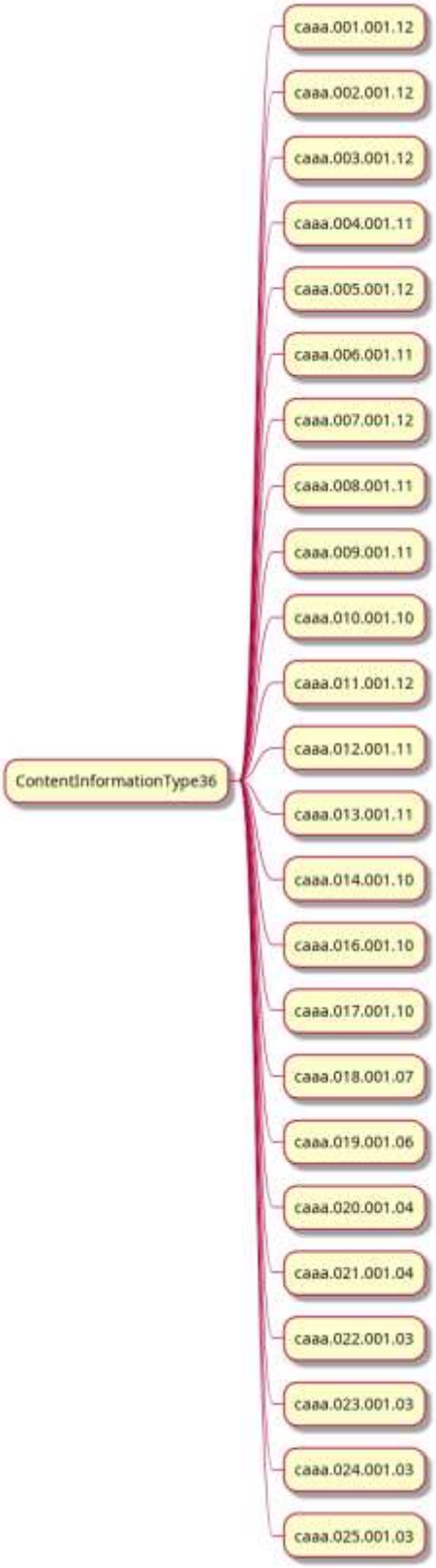
The ripple effect on *ContentInformationType34* is the following one.



The ripple effect on *ContentInformationType35* is the following one.

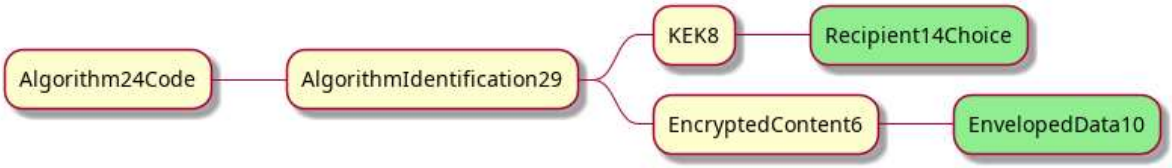


The ripple effect on *ContentInformationType36* is the following one.



The ripple effect analysis on *Algorithm17Code* provide the following result.

The ripple effect analysis on *Algorithm24Code* provide the following result.



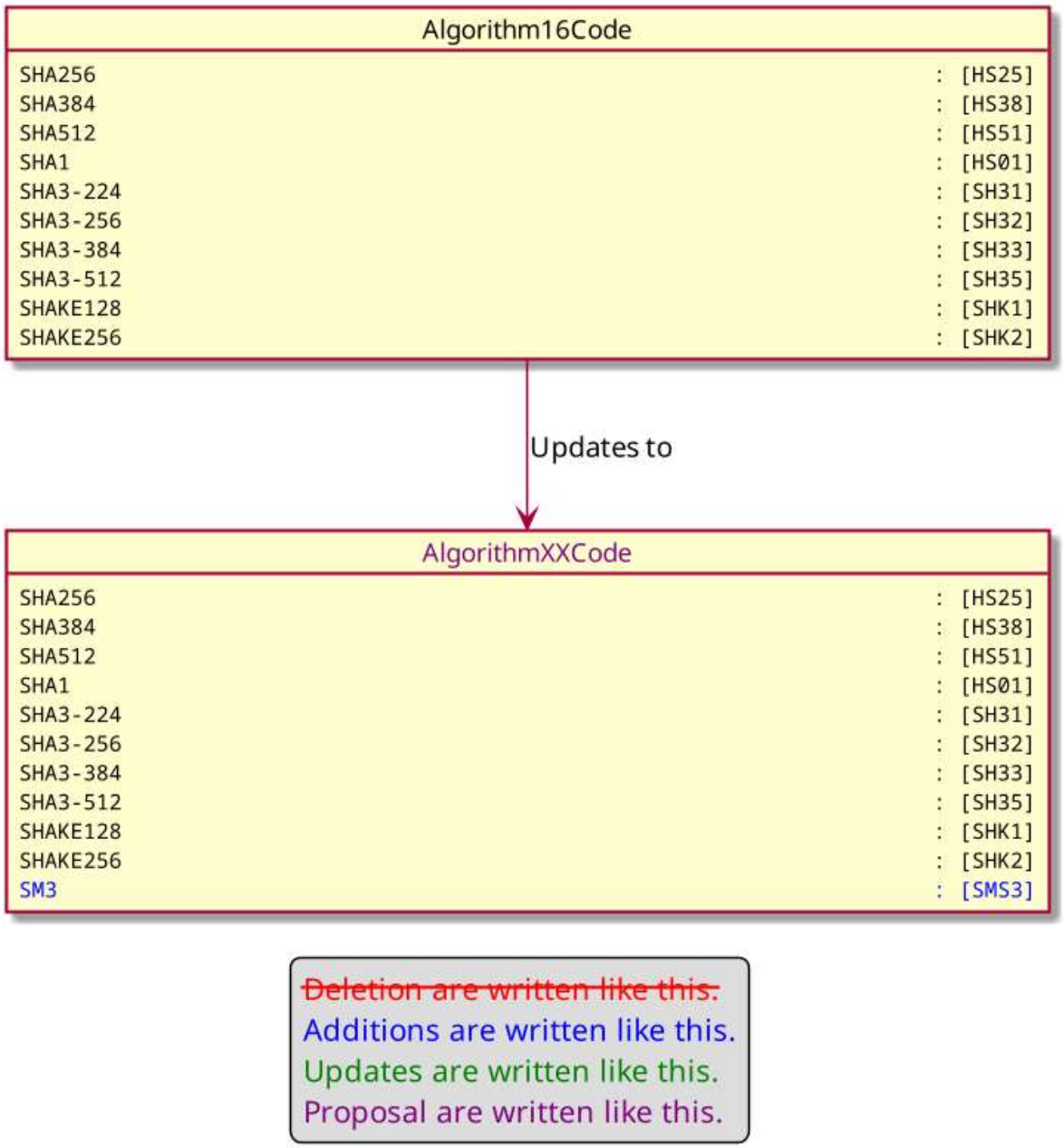
The ripple effect analysis on *Algorithm25Code* provide the following result.

The severity of the impact of the proposed change for the message users should be indicated in the table below (either "no impact", "conditional' or "mandatory").

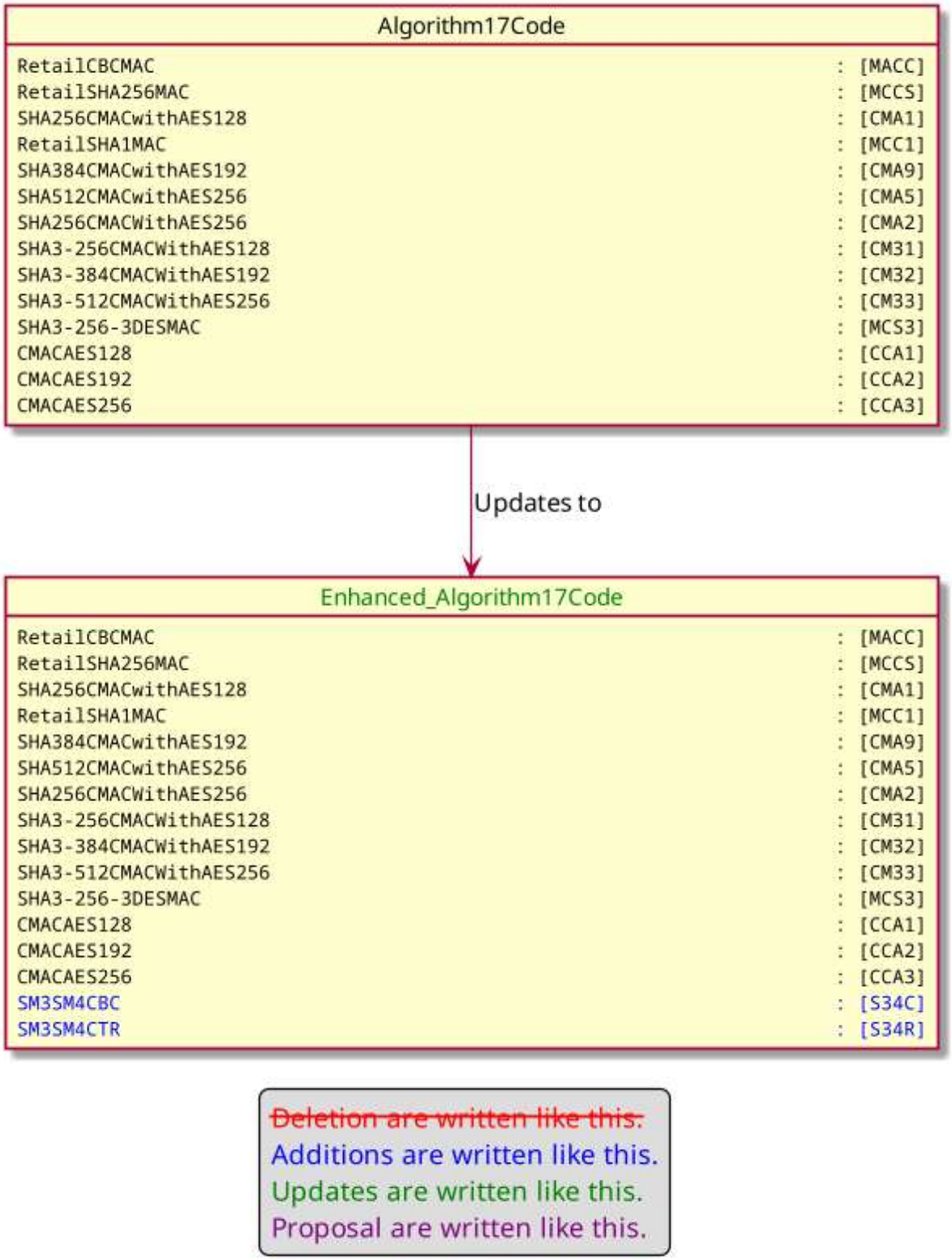
Type of impact		
	No impact	The change(s) will not impact the schema (the version number will not change) and will not impact the business applications of any users, e.g. the clarification of a definition
X	Conditional	The change(s) will impact the schema (at least the version number) and the business applications of certain users but not all, e.g. the addition of an optional component
	Mandatory	The change(s) will impact the schema and the business applications of all users, e.g. addition of a mandatory component.

I. **Proposed implementation:**

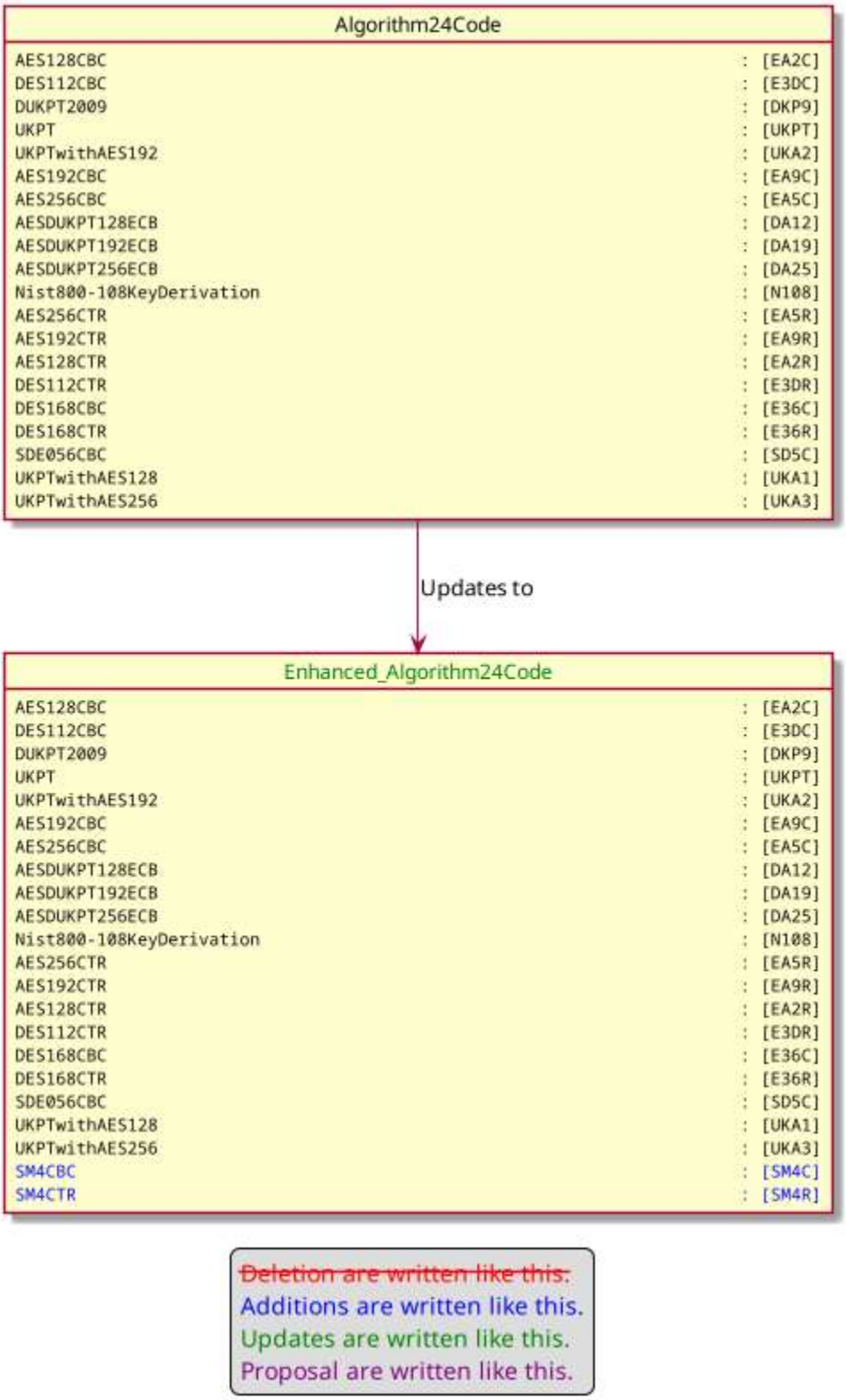
As explained in the Change Request, the *Algorithm16Code* will be changed as follow.



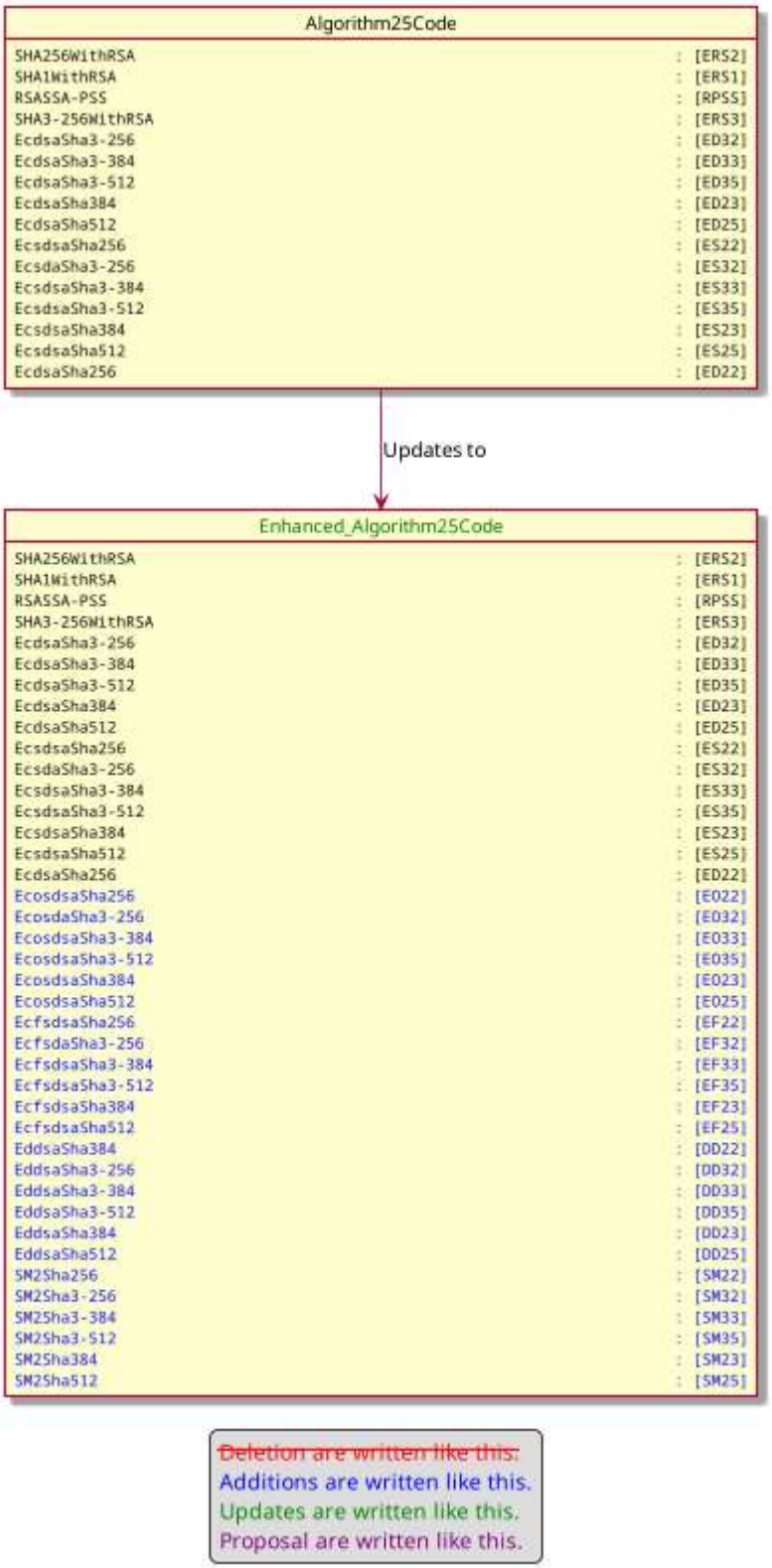
As explained in the Change Request, the *Algorithm17Code* will be changed as follow.



As explained in the Change Request, the *Algorithm24Code* will be changed as follow.



As explained in the Change Request, the *Algorithm25Code* will be changed as follow.



J. **Proposed timing:**

The submitting organization confirms that it can implement the requested changes in the requested timing, or, if not, proposes another timing.

Timing	- As requested
	- ~~Other:~~

K. **Final decision of the SEG(s):**

This section is not to be taken care of by the submitting organization. It will be completed in due time by the SEG(s) in charge of the related ISO 20022 messages.

Approve	X

Comments:

Reject	

Change request number #1293 nexo Software Downloading

Copy of the approved change request:

A. **Origin of the request:**

A.1 Submitter: nexo A.I.S.B.L.

A.2 Contact person:

- Philippe CECE (philippe.cece@nexo-standards.org)
- Laure BELTRI (laure.beltri@frenchsys.com)

A.3 Sponsors: nexo A.I.S.B.L.

B. **Related messages:**

- MaintenanceDelegationRequest V09 (catm.005.001.09)
- MaintenanceDelegationResponse V07 (catm.006.001.07)

C. **Description of the change request:**

In case of delegation, we should be also able to download terminal packages.

D. **Purpose of the change:**

As explained before we will update the list of elements that could be delegated *DataSetCategory16Code* with *TerminalPackage* as identified in the following diagram.

E. **Urgency of the request:**

Not Urgent

F. **Business examples:**

Examples illustrating the change request.

G. **SEG/TSG recommendation:**

This section is not to be taken care of by the submitter of the change request. It will be completed in due time by the SEG(s) in charge of the related ISO 20022 messages or the TSG for changes related to the BAH.

Consider	X	**Timing**	
		- Next yearly cycle: 2023/2024 (the change will be considered for implementation in the yearly maintenance cycle which starts in 2023 and completes with the publication of new message versions in the spring of 2024)	X
		- At the occasion of the next maintenance of the messages (the change will be considered for implementation, but does not justify maintenance of the messages in its own right – will be pending until more critical change requests are received for the messages)	
		- Urgent unscheduled (the change justifies an urgent implementation outside of the normal yearly cycle)	
		- Other timing:	

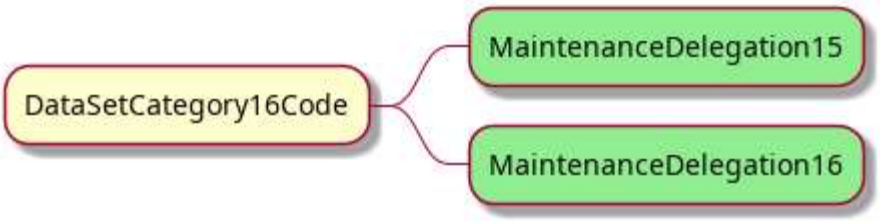
Comments:

Reject	

Reason for rejection:

H. **Impact analysis and type of impact:**

The update of *DataSetCategory16Code* will be done accordingly to the Change Request.

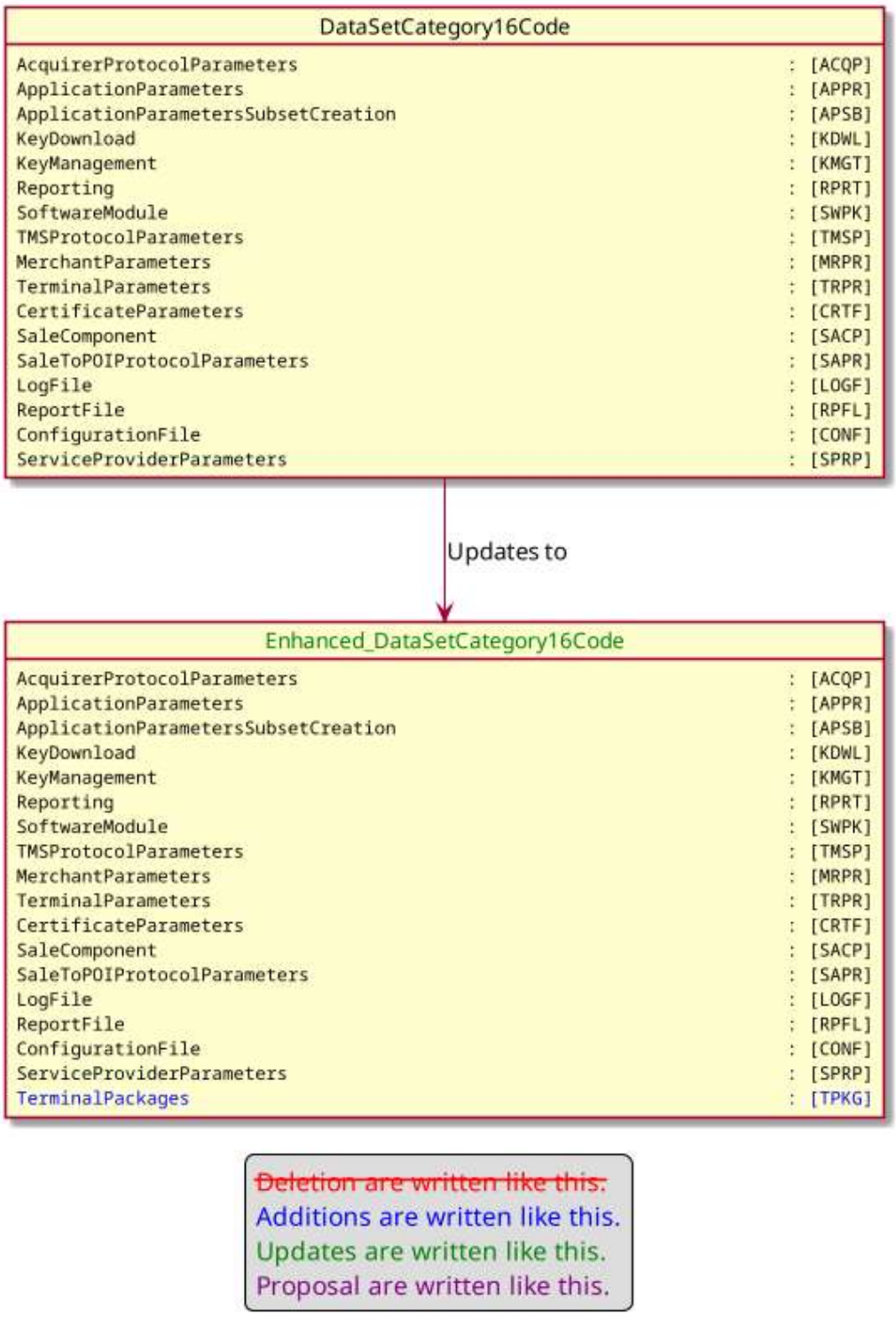


The severity of the impact of the proposed change for the message users should be indicated in the table below (either "no impact", "conditional' or "mandatory").

Type of impact		
	No impact	The change(s) will not impact the schema (the version number will not change) and will not impact the business applications of any users, e.g. the clarification of a definition
X	Conditional	The change(s) will impact the schema (at least the version number) and the business applications of certain users but not all, e.g. the addition of an optional component
	Mandatory	The change(s) will impact the schema and the business applications of all users, e.g. addition of a mandatory component.

I. **Proposed implementation:**

The update of *DataSetCategory16Code* will be done accordingly to the Change Request.



J. **Proposed timing:**

The submitting organization confirms that it can implement the requested changes in the requested timing, or, if not, proposes another timing.

Timing	- As requested
	- ~~Other:~~

K. **Final decision of the SEG(s):**

This section is not to be taken care of by the submitting organization. It will be completed in due time by the SEG(s) in charge of the related ISO 20022 messages.

Approve	X

Comments:

Reject	

Change request number #1294 nexo TransactionVerificationResult

Copy of the approved change request:

A. **Origin of the request:**

A.1 Submitter: nexo A.I.S.B.L.

A.2 Contact person:

- Philippe CECE (philippe.cece@nexo-standards.org)
- Evelyne de JONGHE (evelyne.de-jonghe@frenchsys.com)

A.3 Sponsors: nexo A.I.S.B.L.

B. **Related messages:**

- AcceptorBatchTransfer V12 (caaa.011.001.12)
- AcceptorCompletionAdvice V12 (caaa.003.001.12)
- TransactionAdvice V04 (caaa.020.001.04)

C. **Description of the change request:**

We discovered that the same message element *TransactionVerificationResult* is available in two different locations, which creates interoperability issue. These locations are in message elements *Transaction* and *Cardholder*.

The aim of this change request is to correct this interoperability issue by removing the *Transaction* location since the information managed by *TransactionVerificationResult* is mainly related to the cardholder authentication.

D. **Purpose of the change:**

The following diagram identify the change of the *CardPaymentTransaction105* which is the type of the *Transaction* message element.

The definition of *TransactionVerificationResult* in *Cardholder 20* will be also improved by stressing that result is linked to cardholder. The new definition will be "*Result of performed cardholder verifications for the transaction*"

E. **Urgency of the request:**

Urgent

F. **Business examples:**

Examples illustrating the change request.

G. **SEG/TSG recommendation:**

This section is not to be taken care of by the submitter of the change request. It will be completed in due time by the SEG(s) in charge of the related ISO 20022 messages or the TSG for changes related to the BAH.

Consider	**X**	**Timing**	
		- Next yearly cycle: 2023/2024 (the change will be considered for implementation in the yearly maintenance cycle which starts in 2023 and completes with the publication of new message versions in the spring of 2024)	X
		- At the occasion of the next maintenance of the messages (the change will be considered for implementation, but does not justify maintenance of the messages in its own right – will be pending until more critical change requests are received for the messages)	
		- Urgent unscheduled (the change justifies an urgent implementation outside of the normal yearly cycle)	
		- Other timing:	

Comments:

Reject	

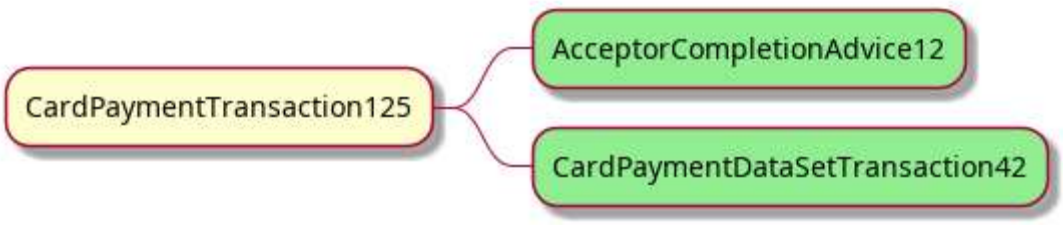
Reason for rejection:

H. **Impact analysis and type of impact:**

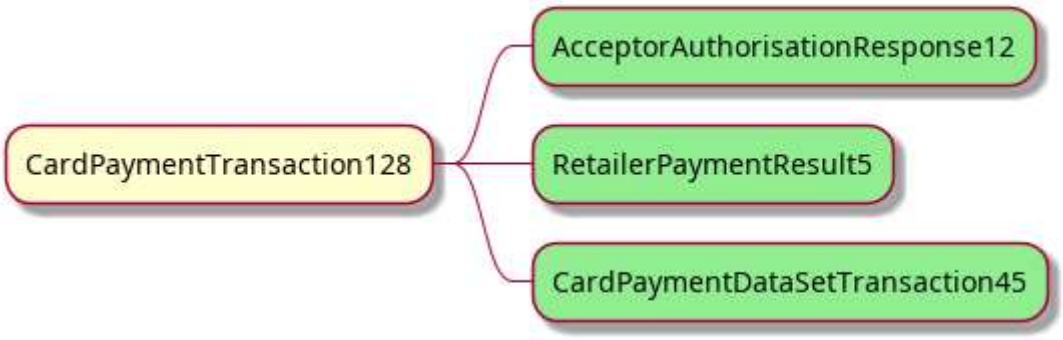
The update of *CardPaymentTransaction125* will be done accordingly to the ChangeRequest.

Nonetheless, the message element *TransactionVerificationResult* is also present in *CardPaymentTransaction128* and must be updated also.

The ripple effect on *CardPaymentTransaction125* is the following one.



The ripple effect on *CardPaymentTransaction128* is the following one.

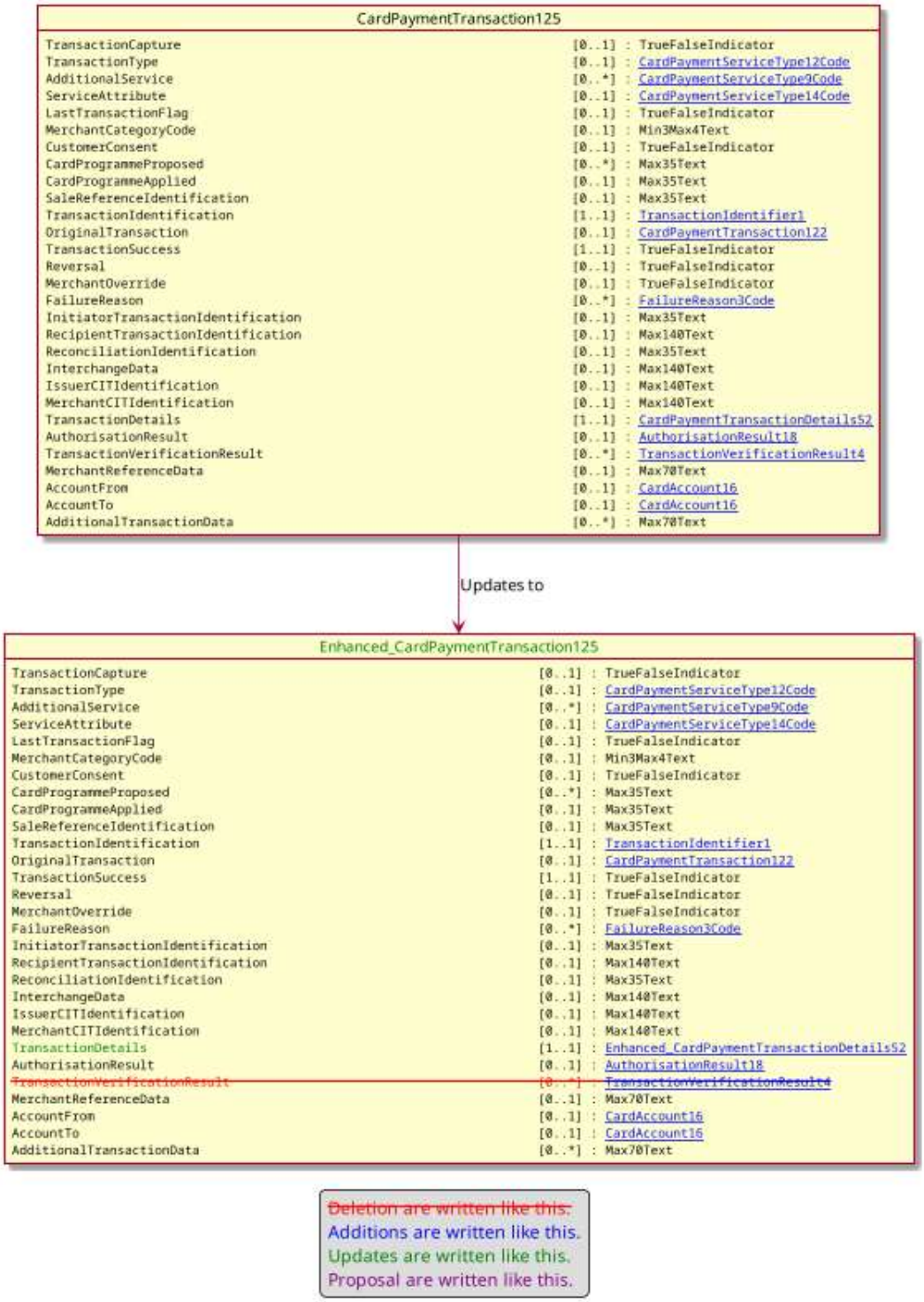


The severity of the impact of the proposed change for the message users should be indicated in the table below (either "no impact", "conditional' or "mandatory").

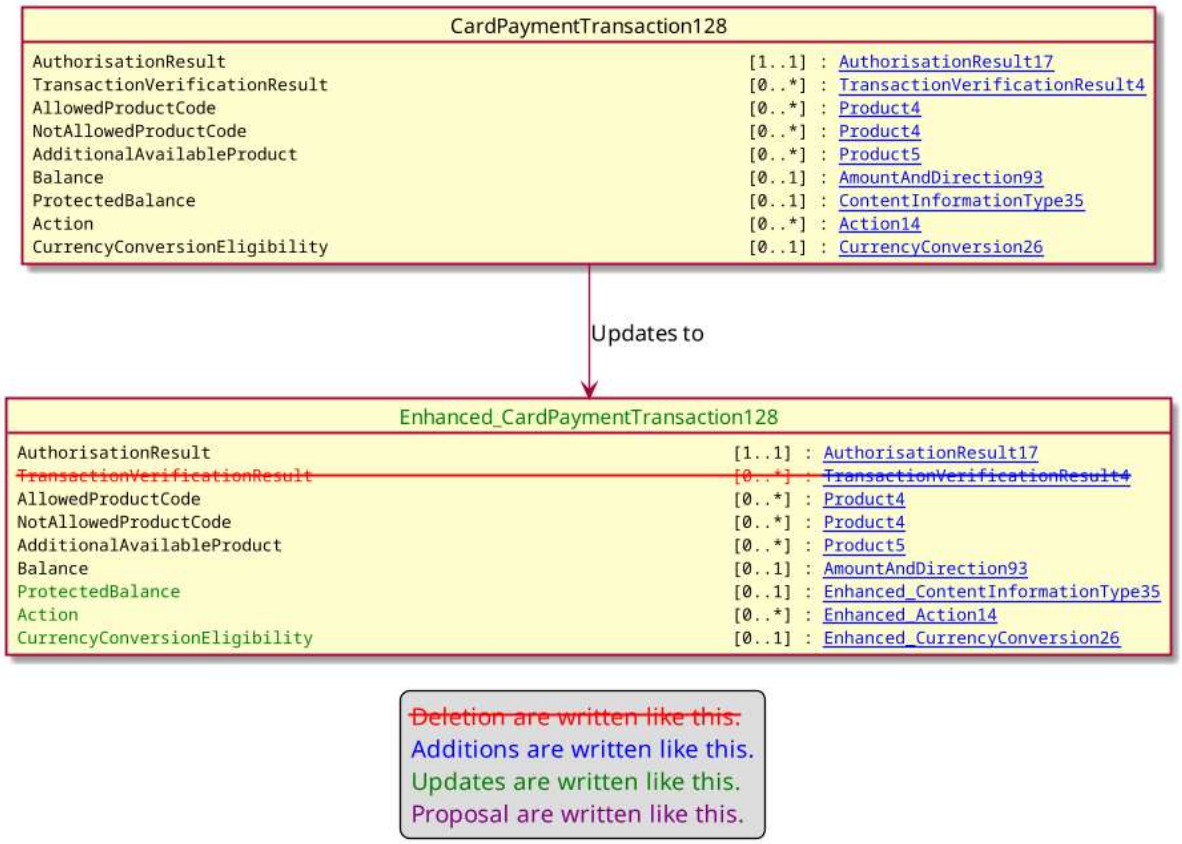
Type of impact		
	No impact	The change(s) will not impact the schema (the version number will not change) and will not impact the business applications of any users, e.g. the clarification of a definition
X	Conditional	The change(s) will impact the schema (at least the version number) and the business applications of certain users but not all, e.g. the addition of an optional component
	Mandatory	The change(s) will impact the schema and the business applications of all users, e.g. addition of a mandatory component.

I. **Proposed implementation:**

The *CardPaymentTransaction125* will be updated as highlighted by the following diagram.



The *CardPaymentTransaction128* will be also updated as the following diagram.



J. **Proposed timing:**

The submitting organization confirms that it can implement the requested changes in the requested timing, or, if not, proposes another timing.

Timing	- As requested
	- ~~Other:~~

K. **Final decision of the SEG(s):**

This section is not to be taken care of by the submitting organization. It will be completed in due time by the SEG(s) in charge of the related ISO 20022 messages.

Approve	X

Comments:

Reject	