**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*](http://www.iso20022.org/maintenance.page)*. Valid Maintenance Change Requests for the following ISO 20022 yearly maintenance cycle must be sent to* [*iso20022ra@iso20022.org*](mailto:iso20022ra@iso20022.org) *by August 21st.*

1. **Name of the request:**

CAPE Messages Maintenance for year 2020-2021

[Change request number 0743 - Nexo catm BeforeAction 5](#_Toc57392857)

[Change request number 0863 - Nexo caaa LocationCategoryCode 13](#_Toc57392858)

[Change request number 0864 - Nexo caaa Reconciliation 20](#_Toc57392859)

[Change request number 0866 - Nexo caaa Technical Error in Response Code 29](#_Toc57392860)

[Change request number 0867 - Nexo caaa TokenHarmonization 35](#_Toc57392861)

[Change request number 0868 - Nexo casp Device Play Sound Request 45](#_Toc57392862)

[Change request number 0869 - Nexo casp Response Code 53](#_Toc57392863)

[Change request number 0870 – Nexo casp Reversal Request 59](#_Toc57392864)

[Change request number 0871 – Nexo catm Harmonization Of Names Length 64](#_Toc57392865)

[Change request number 0872 – Nexo catm New Acquirer Messages 84](#_Toc57392866)

[Change request number 0873 – Nexo catm POI Group 105](#_Toc57392867)

[Change request number 0874 – Nexo catm Process Timing 110](#_Toc57392868)

[Change request number 0875 – Nexo catm Reservation Settings 116](#_Toc57392869)

[Change request number 0876 – Nexo catm Sale To POI Parameters 122](#_Toc57392870)

[Change request number 0877 – Nexo catm Split Message 127](#_Toc57392871)

[Modifications done during repository update. 141](#_Toc57392872)

1. **Submitting organization(s):**

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

1. **Related messages:**

* AcceptorAuthorisationRequestV09 (caaa.001.001.09)
* AcceptorAuthorisationResponseV09 (caaa.002.001.09)
* AcceptorBatchTransferResponseV08 (caaa.012.001.08)
* AcceptorBatchTransferV09 (caaa.011.001.09)
* AcceptorCancellationAdviceResponseV08 (caaa.008.001.08)
* AcceptorCancellationAdviceV09 (caaa.007.001.09)
* AcceptorCancellationRequestV09 (caaa.005.001.09)
* AcceptorCancellationResponseV08 (caaa.006.001.08)
* AcceptorCompletionAdviceResponseV08 (caaa.004.001.08)
* AcceptorCompletionAdviceV09 (caaa.003.001.09)
* AcceptorCurrencyConversionAdviceResponseV03 (caaa.019.001.03)
* AcceptorCurrencyConversionAdviceV04 (caaa.018.001.04)
* AcceptorCurrencyConversionRequestV07 (caaa.016.001.07)
* AcceptorCurrencyConversionResponseV07 (caaa.017.001.07)
* AcceptorDiagnosticRequestV08 (caaa.013.001.08)
* AcceptorDiagnosticResponseV07 (caaa.014.001.07)
* AcceptorReconciliationRequestV08 (caaa.009.001.08)
* AcceptorReconciliationResponseV07 (caaa.010.001.07)
* TransactionAdviceV01 (caaa.020.001.01)
* TransactionAdviceResponseV01 (caaa.021.001.01)
* AcceptorNonFinancialRequestV01 (caaa,022.001.01) : New
* AcceptorNonFinancialResponseV01 (caaa.023.001.01) : New
* AcceptorConfigurationUpdateV09 (catm.003.001.09)
* CertificateManagementRequestV03 (catm.007.001.03)
* CertificateManagementResponseV03 (catm.008.001.03)
* MaintenanceDelegationRequestV06 (catm.005.001.06)
* MaintenanceDelegationResponseV04 (catm.006.001.04)
* ManagementPlanReplacementV08 (catm.002.001.08)
* StatusReportV09 (catm.001.001.09)
* SaleToPOIAbortV02 (casp.011.001.02)
* SaleToPOIAdministrativeRequestV02 (casp.007.001.02)
* SaleToPOIAdministrativeResponseV02 (casp.008.001.02)
* SaleToPOIDeviceRequestV02 (casp.016.001.02)
* SaleToPOIDeviceResponseV02 (casp.017.001.02)
* SaleToPOIEventNotificationV02 (casp.012.001.02)
* SaleToPOIMessageStatusRequestV02 (casp.014.001.02)
* SaleToPOIMessageStatusResponseV02 (casp.015.001.02)
* SaleToPOIReconciliationRequestV02 (casp.003.001.02)
* SaleToPOIReconciliationResponseV02 (casp.004.001.02)
* SaleToPOIReportRequestV02 (casp.009.001.02)
* SaleToPOIReportResponseV02 (casp.010.001.02)
* SaleToPOIServiceReuestV02 (casp.001.001.02)
* SaleToPOIServiceResponseV02 (casp.002.001.02)
* SaleToPOISessionManagementRequestV02 (casp.005.001.02)
* SaleToPOISessionManagementResponseV02 (casp.006.001.02)

1. **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.

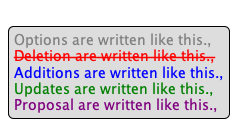
address any queries related to the description of the new models and messages as published by the RA on the ISO 20022 website.

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 in red 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.



1. **Contact persons:**

The submitting organization will identify the person(s) at the submitting organization that can be contacted to get additional information on this Maintenance Change Request.

* Philippe CECE ([philippe.cece@ingenico.com](mailto:philippe.cece@ingenico.com)), +33 6 84 42 93 14
* Pierre MOURA ([pierre.moura@frenchsys.com](mailto:pierre.moura@frenchsys.com)), +33 1 40 15 58 92
* Philippe MERMOUD ([philippe.mermoud@natixis.com](mailto:nik.bradley@spirepayments.com)), + 33 5 61 10 25 80
* Bruno AIELLO ([brunoa9@verifone.com](mailto:brunoa9@verifone.com)), +33 1 78 74 28 30

# Change request number 0743 - Nexo catm BeforeAction

*This chapter must be completed for every change request that the submitting organization has been requested to implement.*

**Copy of the approved change request:**

This is a copy of sections A to G of the change request approved by the SEG for further consideration as communicated to the submitting organization by the RA.

## Origin of the request:

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

### *A.2 Contact person:*

Philippe CECE ([Philippe.cece@ingenico.com](mailto:Philippe.cece@ingenico.com)) / Pierre PETITCUENOT (pierre.petitcuenot@e-i.com)

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

## Related messages:

ManagementPlanReplacement V07 (catm.002.001.07)

## Description of the change request:

Inside TMSAction7 data element add data elements:

* MessageToPresent as an ActionMessage2

In the TerminalManagementAction4Code add new value:

* Display (DISP)
* Input (INPT)
* Play (PLAY)
* Print (PRNT)
* Read (READ)
* Send (SEND)

## Purpose of the change:

Currently there is no way through the catm protocol to print or display a message before or after an action.

The proposal here aims to fill this gap and providing additional actions.

## Urgency of the request:

Not urgent.

## Business examples:

## 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: 2020/2021**  (the change will be considered for implementation in the yearly maintenance cycle which starts in 2020 and completes with the publication of new message versions in the spring of 2021) | | 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:

## Impact analysis and type of impact:

After a long study, we believe that it would be more efficient and evolution oriented to back the solution on a existing component of the Sale to POI protocol (casp).

Consequently the idea is to be able to trig a SaleToPOI message, in this case the DeviceRequest, which already supports all these options. Since this command provides more than needed, restrictions will be defined and setby the MUG.

This will create modifications in :

* *TerminalManagementAction4Code*
* *TMSAction8*
* *TMSEvent7*

The analysis of the ripple effect provide the following result:

#### On TerminalManagementAction4Code

* Used in
  + TMSAction7 : No more used in V9 replaced by TMSAction8
  + TMSAction8
  + TMSActionIdentification5 : No more used in V9 replaced by TMSActionIdentification6
  + TMSActionidentification6
* MaintenanceDelegationRequestV06
  + MaintenanceDelegationRequest6
    - MaintenanceDelegation10
      * MaintenanceDelegateAction5
        + TMSAction8

TerminalManagementAction4Code

* ManagementPlanReplacementV08
  + ManagementPlan8
    - TerminalManagementDataSet29
      * ManagementPlanContent8
        + TMSAction8

TerminalManagementAction4Code.

* SaleToPOISessionManagementResponseV02
  + SessionManagementResponse3
    - DiagnosisResponse2
      * StatusReportContent9
        + TMSEvent7

TMSActionIdentification6

TerminalManagementAction4Code

* StatusReportV09
  + StatusReport9
    - StatusReportDataSetRequest1
      * StatusReportContent9
        + TMSEvent7

TMSActionIdentification6

TerminalManagementAction4Code

#### On TMSAction8

Done with the previous data element, since TerminalAction4Code is a subElement.

#### On TMSEvent7

Done previously, since TerminalAction4Code is a subElement.

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”).

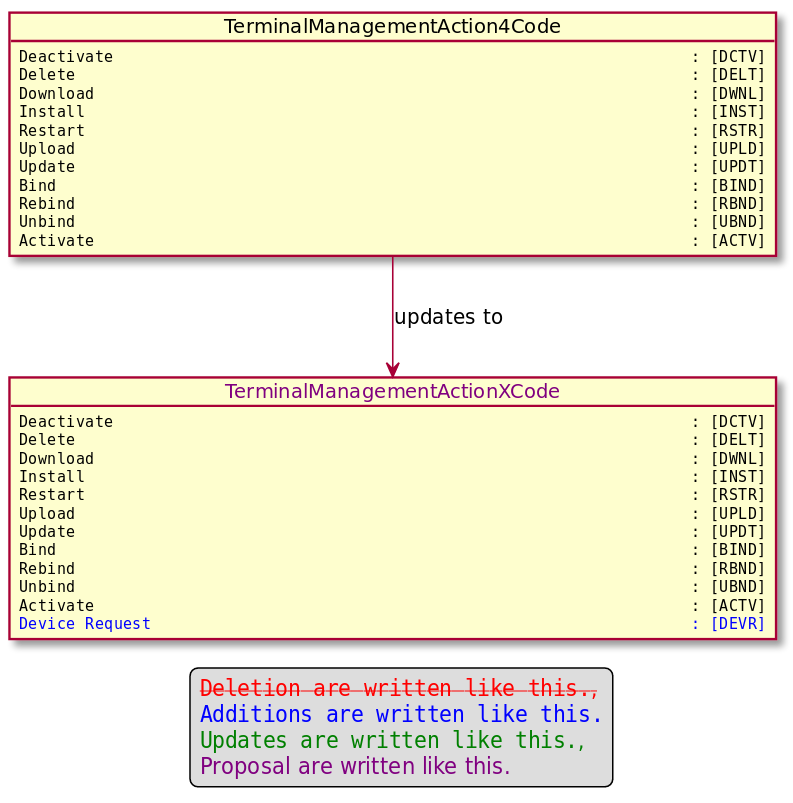
|  |  |  |
| --- | --- | --- |
| Type of impact | | |
|  | No impact | The change(s) will not impact the schema (the version number will not change) and will not impact the business applications of any users, e.g. the clarification of a definition |
| X | Conditional | The change(s) will impact the schema (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. |

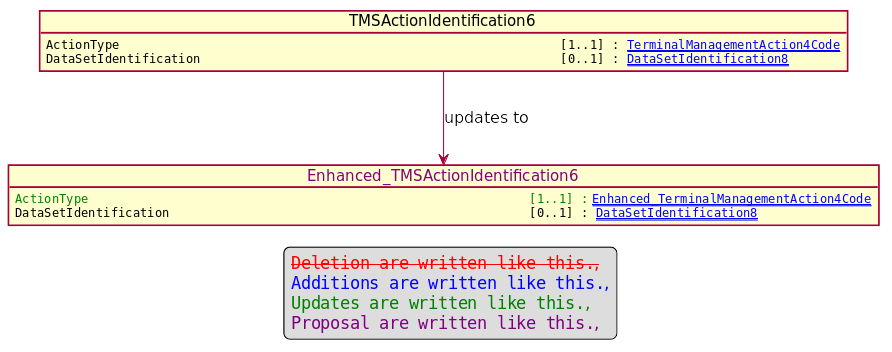
## Proposed implementation:

So the *TerminalManagementAction4Code* will be updated to add the option *DeviceRequest* identified with the codeset value *DEVR* and defined as *Request to execute a device request*. Then the *TMSAction8* will be updated by upgrading the message component *Type* from *TerminalManagementAction4Code* to a new one, and adding the message component *DeviceRequest* defined as *Information related to a device request of the POI* with multiplicity *[0,1]* and type *DeviceRequest2* or better.

Finally the *TMSEvent7* message component is updated by adding a message element *DeviceResponse* defined as with multiplicity *[0,1]* and type *DeviceResponse2* or better, and by upgrading the message element *ActionIdentification* to an enhanced *TMSActionIdentification6* since the message element *ActionType* of this component must be upgraded to the enhanced *TerminalManagementAction4Code*.

These modifications are highlighted by the following diagrams.





## 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:~~ |

## 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 |  |

Comments:

|  |  |
| --- | --- |
| Reject |  |

**Reason for rejection:**

# Change request number 0863 - Nexo caaa LocationCategoryCode

**Copy of the approved change request:**

## Origin of the request:

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

*A.2 Contact person:* Philippe CECE ([Philippe.cece@ingenico.com](mailto:Philippe.cece@ingenico.com)) / Pierre MOURA ([pierre.moura@frenchsys.com](mailto:pierre.moura@frenchsys.com)) / Bruno AIELLO ([Bruno.Aiello@VERIFONE.com](mailto:Bruno.Aiello@VERIFONE.com)) / Philippe MERMOUD ([philippe.mermoud@natixis.com](mailto:philippe.mermoud@natixis.com))

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

## Related messages:

For the caaa related messages:

* AcceptorAuthorisationRequest V09 caaa.001.001.09
* AcceptorAuthorisationResponse V09 caaa.002.001.09
* AcceptorCompletionAdvice V09 caaa.003.001.09
* AcceptorCompletionAdviceResponse V08 caaa.004.001.08
* AcceptorCancellationRequest V09 caaa.005.001.09
* AcceptorCancellationResponse V08 caaa.006.001.08
* AcceptorCancellationAdvice V09 caaa.007.001.09
* AcceptorCancellationAdviceResponse V08 caaa.008.001.08
* AcceptorReconciliationRequest V08 caaa.009.001.08
* AcceptorReconciliationResponse V07 caaa.010.001.07
* AcceptorBatchTransfer V09 caaa.011.001.09
* AcceptorBatchTransferResponse V08 caaa.012.001.08
* AcceptorDiagnosticRequest V08 caaa.013.001.08
* AcceptorDiagnosticResponse V07 caaa.014.001.07
* AcceptorCurrencyConversionRequest V07 caaa.016.001.07
* AcceptorCurrencyConversionResponse V07 caaa.017.001.07
* AccpetorCurrencyConversionAdvice V04 caaa.018.001.04
* AcceptorCurrencyConversionAdviceResponse V03 caaa.019.001.03
* TransactionAdvice V01 caaa.020.001.01
* TransactionAdviceResponse V01 caaa.021.001.01

For the casp related messages:

* SaleToPOIServiceRequest V02 casp 001.001.02
* SaleToPOIServiceResponse V02 casp 002.001.02
* SaleToPOIReconciliationRequest V02 casp 003.001.02
* SaleToPOIReconciliationResponse V02 casp 004.001.02
* SaleToPOISessionManagementRequest V02 casp 005.001.02
* SaleToPOISessionManagementResponse V02 casp 006.001.02
* SaleToPOIAdministrativeRequest V02 casp 007.001.02
* SaleToPOIAdministrativeResponse V02 casp 008.001.02
* SaleToPOIReportRequest V02 casp 009.001.02
* SaleToPOIReportResponse V02 casp 010.001.02
* SaleToPOIAbort V02 casp 011.001.02
* SaleToPOIEventNotification V02 casp 012.001.02
* SaleToPOIMessageStatusRequest V02 casp 014.001.02
* SaleToPOIMessageStatusResponse V02 casp 015.001.02
* SaleToPOIDeviceRequest V02 casp 016.001.02
* SaleToPOIDeviceResponse V02 casp 017.001.02

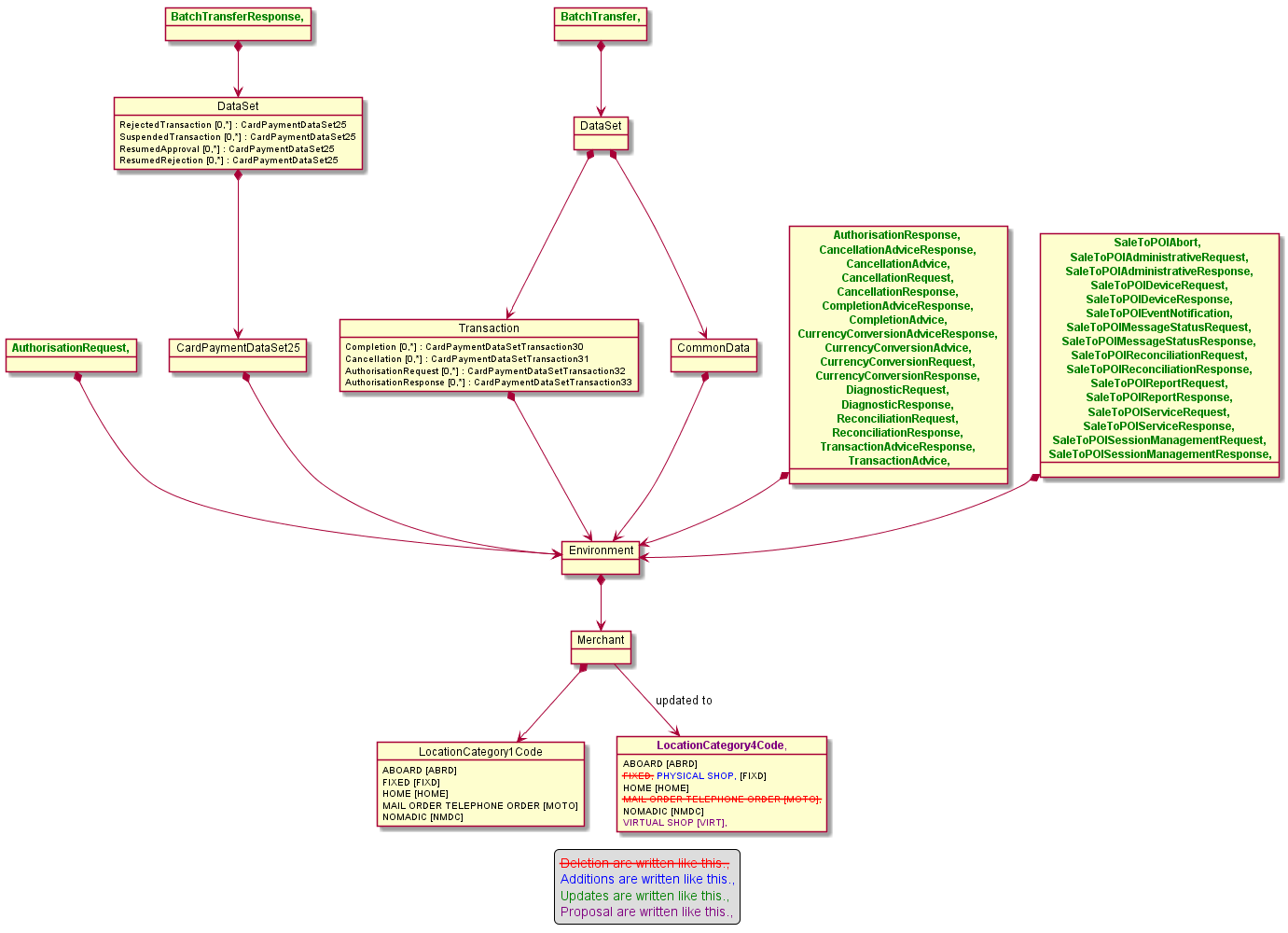
## Description of the change request:

We would like to change the coding of *LocationCategory1Code* to avoid any misunderstanding and covering new use cases.

## Purpose of the change:

The code set value *FIXED* wasn't clearly understood and the codeset *MOTO* created misunderstanding with the *TransactionChannel*. So in order to remove any misunderstanding and also provide a codeset for e-commerce solution, we would like to change the values of *LocationCategory1Code* with the following proposal*.*

The updated messages are listed in a bold green font in the following diagram. Impacts on the RetailerProtocol have been also identified.



## Urgency of the request:

Urgent.

## Business examples:

Examples illustrating the change request.

## 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: 2020/2021**  (the change will be considered for implementation in the yearly maintenance cycle which starts in 2020 and completes with the publication of new message versions in the spring of 2021) | | 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:

Card SEG Comment dated 25/06/2020: Codes to be reconsidered to avoid misunderstandings. Nexo Acquirer Protocol TWG should involve TG1 for a common solution.

|  |  |
| --- | --- |
| **Reject** |  |

Reason for rejection:

## Impact analysis and type of impact:

After an internal review and exchanges with the CardSEG and the TG1 Group, we slighty change our mind.

First as agreed with TG1 group, since LocationCategoryCode is not used in the ATTICA protocol, there is no need for common definitions.

Second, we will also remove the codeset value HOME. We don’t need it in the repository since we could retrieve the information with VIRTUAL\_SHOP and EntryMode set to CICC.

Some defintion of codesets will be changed to the following ones:

* Nomadic is used when the merchant is traveling to different locations (e.g fair or sport events, home delivery, food truck)
* Aboard is used when the sale is done in a vehicle (e.g a bus, train, ship, airplane, taxi, etc)

Regarding the Ripple Effect of this modification, we know that :

* LocationCategory1Code is used by
  + Organisation32 which is used by
    - CardPaymentEnvironment74
    - CardPaymentEnvironment75

These last 2 components are modified by CR\_0867, so the ripple effect of these 2 elements will be review in CR\_0867.

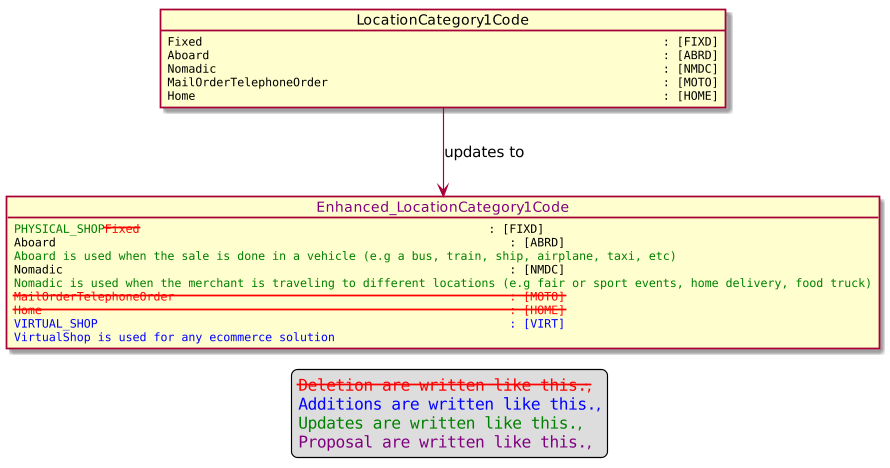
Since we are changing Codeset values, the impact is important.

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”).

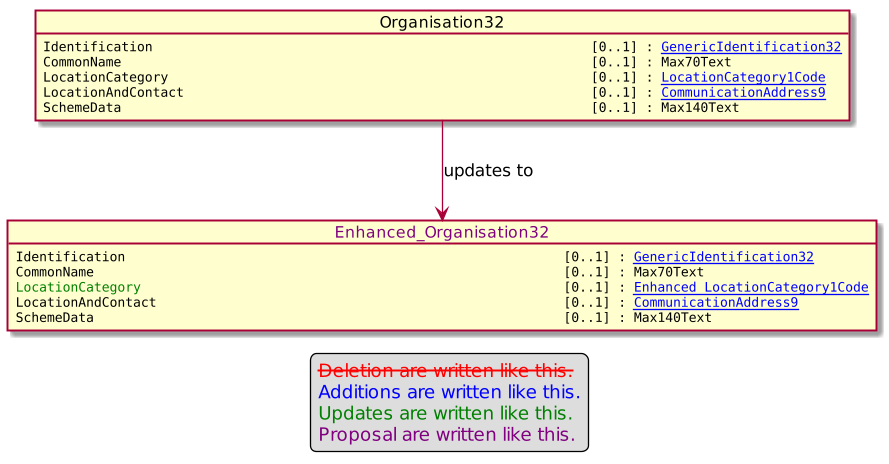
|  |  |  |
| --- | --- | --- |
| Type of impact | | |
|  | No impact | The change(s) will not impact the schema (the version number will not change) and will not impact the business applications of any users, e.g. the clarification of a definition |
|  | Conditional | The change(s) will impact the schema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

## Proposed implementation:

Then the LocationCategory1Code will be changed to the following structure :



And the Organisation32 will be updated accrodingly.



Detailed description of the required modification to implement the requested change.

## 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:~~ |

## 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 |  |

Comments:

|  |  |
| --- | --- |
| Reject |  |

**Reason for rejection:**

# Change request number 0864 - Nexo caaa Reconciliation

**Copy of the approved change request:**

## Origin of the request:

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

*A.2 Contact person:* Philippe CECE ([Philippe.cece@ingenico.com](mailto:Philippe.cece@ingenico.com)) / Pierre MOURA ([pierre.moura@frenchsys.com](mailto:pierre.moura@frenchsys.com)) .

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

## Related messages:

* AcceptorReconciliationRequest V08 caaa.009.001.08
* AcceptorReconciliationResponse V07 caaa.010.001.07
* AcceptorConfigurationUpdate V09 catm 003.001.09

## Description of the change request:

Some members want to be able to check transactions totals and reconciliate according to the card brand and not only card product profile. For instance, this might be the case with contact or contactless card.

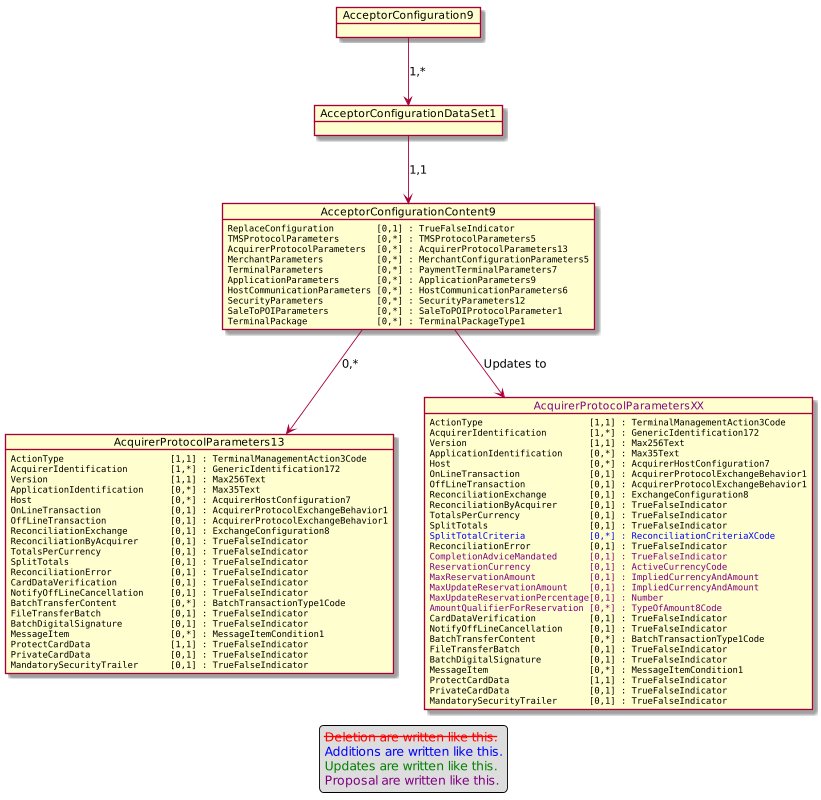
Obviously this choice of reconciliation should be enabled by the TMS protocol.

## Purpose of the change:

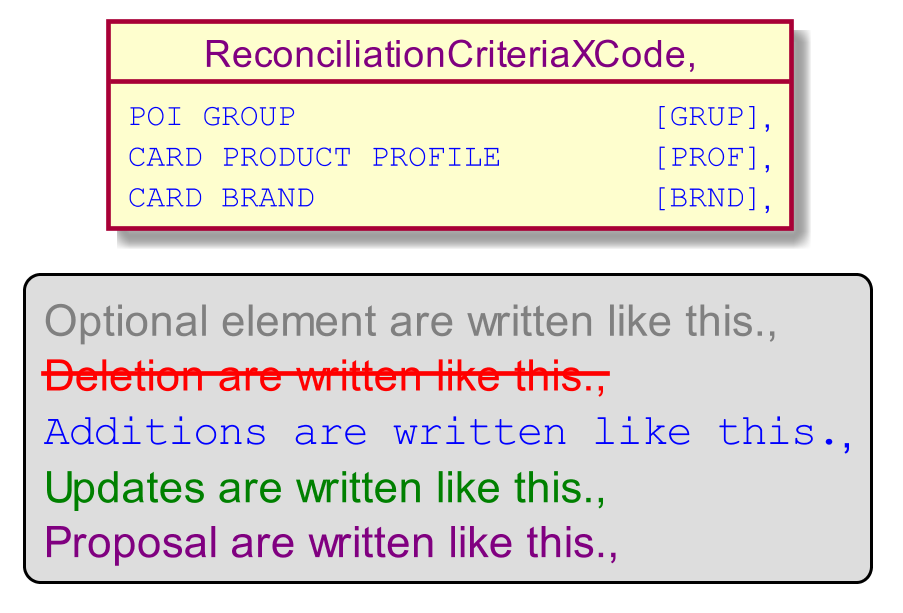
The proposal consists to add this option among others in the *TransactionTotals* message element as highlighted in the following diagram.



The second part of the modification is to add the settings in the *AcquirerProtocolParameters*, with the optional addition of up to 3 *SplitTotalCriteria* message element defined from a codeset.



Finally, the codeset *ReconciliationCriteriaXCode* is defined with 3 different values.



## Urgency of the request:

Urgent.

## Business examples:

Examples illustrating the change request.

## 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: 2020/2021**  (the change will be considered for implementation in the yearly maintenance cycle which starts in 2018 and completes with the publication of new message versions in the spring of 2019) | | 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:

Remark of Cards SEG on 25/06/2020: Move Card Brand above Card Product Profile

|  |  |
| --- | --- |
| **Reject** |  |

Reason for rejection:

## Impact analysis and type of impact:

The change request will be compliant with the approved change request.

But according to the analysis of impact, additional messsages will be changed.

* AcceptorBatchTransferV09
* AcceptorBatchTransferResponseV08

This result is highlighted by the following ripple effect analysis, drawn from the lowest component to the highest one.

TransactionTotals7

* CardPaymentBatchTransfer8
  + AcceptorBatchTransferV09
* CardPaymentBatchTransferResponse7
  + AcceptorBatchTransferResponseV08
* CardPaymentDataSet23
  + CardPaymentBatchTransfer8
    - AcceptorBatchTransferV09
* CardPaymentDataSet24
  + CardPaymentBatchTransferResponse7
    - AcceptorBatchTransferResponseV08
* TransactionReconciliation4
  + AcceptorReconciliationRequest8
    - AcceptorReconciliationRequestV08
  + AcceptorReconciliationResponse6
    - AcceptorReconciliationResponseV07

AcquirerProtocolParameters13

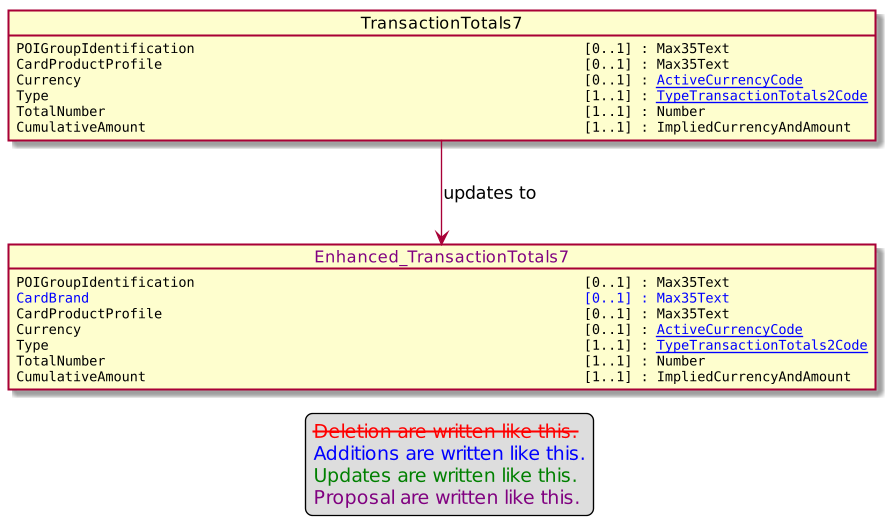
* AcceptorConfigurationContent9
  + AcceptorConfigurationDataSet1
    - AcceptorConfiguration9
      * AcceptorConfigurationUpdateV03
    - MaintenanceDelegation10
      * MaintenanceDelegationRequest6
        + MaintenanceDelegationRequestV06

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. |

## Proposed implementation:

The update of the message component *TransactionTotals7* gives the following diagram.



The update of the *AcquirerProtocolParameters13*, with modification of CR\_0875, will give the following component.



With the new *ReconciliationCriteriaXCode* defined as.



## 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:~~ |

## 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 |  |

Comments:

|  |  |
| --- | --- |
| Reject |  |

**Reason for rejection:**

# Change request number 0866 - Nexo caaa Technical Error in Response Code

**Copy of the approved change request:**

## Origin of the request:

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

*A.2 Contact person:* Philippe CECE ([Philippe.cece@ingenico.com](mailto:Philippe.cece@ingenico.com)) / Pierre MOURA ([pierre.moura@frenchsys.com](mailto:pierre.moura@frenchsys.com))

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

## Related messages:

* AcceptorAuthorisationRequest V09 caaa.001.001.09
* AcceptorCompletionAdvice V09 caaa.003.001.09
* AcceptorCompletionAdviceResponse V08 caaa.004.001.08
* AcceptorCancellationRequest V09 caaa.005.001.09
* AcceptorCancellationResponse V08 caaa.006.001.08
* AcceptorCancellationAdvice V09 caaa.007.001.09
* AcceptorCancellationAdviceResponse V08 caaa.008.001.08
* AcceptorReconciliationResponse V07 caaa.010.001.07
* AcceptorBatchTransfer V09 caaa.011.001.09
* AcceptorCurrencyConversionAdviceResponse V03 caaa.019.001.03
* TransactionAdvice V01 caaa.020.001.01
* TransactionAdviceResponse V01 caaa.021.001.01

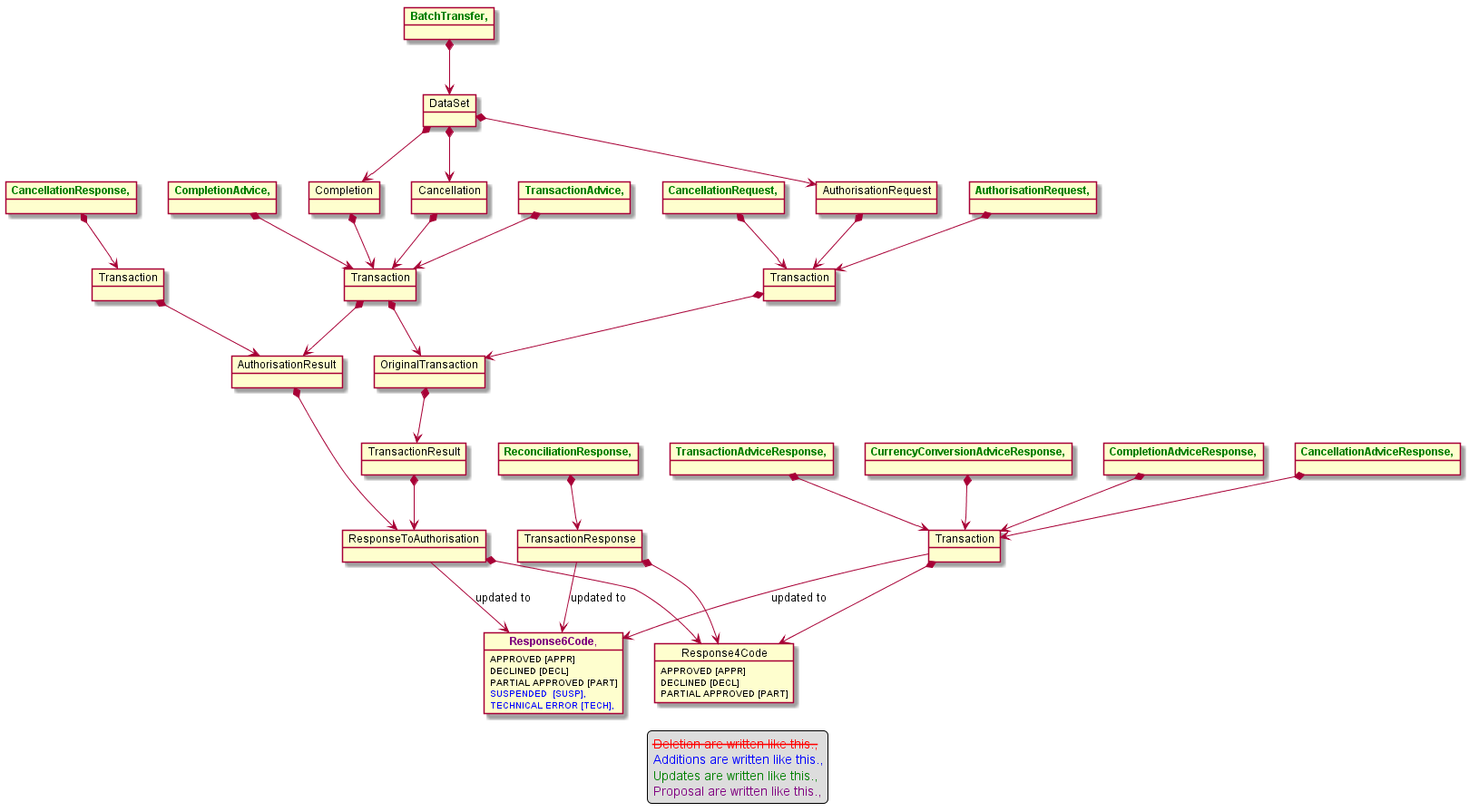
## Description of the change request:

We would like to add *TechnicalError* to the *Reponse4Code*, and by extend to replace this codeset by the existing *Response6Code.*

## Purpose of the change:

The authorisation response sent by an acquirer to an acceptor ise set by a *Response6Code.* But in a *CompletionAdvice* message, the authorization response sent back from the acceptor to the acquirer, is set amongst *Response4Code.* The subject of this update, is to reuse *Response6Code* in any messages.

The updated messages are listed in a bold green font in the following diagram.



The addition, of the value *TechnicalError* will also impact the message component *ActionType8Code* with new values that are still under study. These new values will be provided later.

## Urgency of the request:

Urgent.

## Business examples:

Examples illustrating the change request.

## 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: 2020/2021**  (the change will be considered for implementation in the yearly maintenance cycle which starts in 2020 and completes with the publication of new message versions in the spring of 2021) | | 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:

## Impact analysis and type of impact:

Except that the identified *Response6Code* in the Change Request corresponds to the *Response9Code* of the repository, and that there is no need for additional update of *ActionTypeCode*, modifications will be done as described in the approved Change Request.

The analysis of the ripple effect gives the following dependancies

Response4Code

* CardPaymentTransactionAdviceResponse7
  + AcceptorCancellationAdviceResponse8
    - AcceptorCancellationAdviceResponseV08
    - AcceptorCurrencyConversionAdviceResponseV03
  + AcceptorCompletionAdviceResponse8
    - AcceptorCompletionAdviceResponseV08
    - TransactionAdviceResponseV01
* ResponseType5
  + AcceptorReconciliationResponse6
  + AuthorisationResult11
    - CardPaymentTransaction99
      * AcceptorCompletionAdvice9
        + AcceptorCompletionAdviceV09
        + TransactionAdviceV01
      * CardPaymentDataSetTransaction30
        + CardPaymentDataSetTransaction8Choice

CardPaymentDataSet23

* + AuthorisationResult12
    - CardPaymentTransaction95
      * AcceptorCancellationAdvice9
        + AcceptorCancellationAdviceV09
      * CardPaymentDataSetTransaction31
        + CardPaymentDataSetTransaction8Choice
    - CardPaymentTransaction98
      * AcceptorCancellationResponse8
        + AcceptorCancellationResponseV08
  + CardPaymentTransactionResult3
    - CardPaymentTransaction101
      * CardPaymentTransaction92
        + AcceptorAuthorisationRequest9

AcceptorAuthorisationRequestV09

* + - * + CardPaymentDataSetTransaction32

CardPaymentDataSetTransaction8Choice

* + - * CardPaymentTransaction95
      * CardPaymentTransaction96
        + AcceptorCancellationRequest9

AcceptorCancellationRequestV09

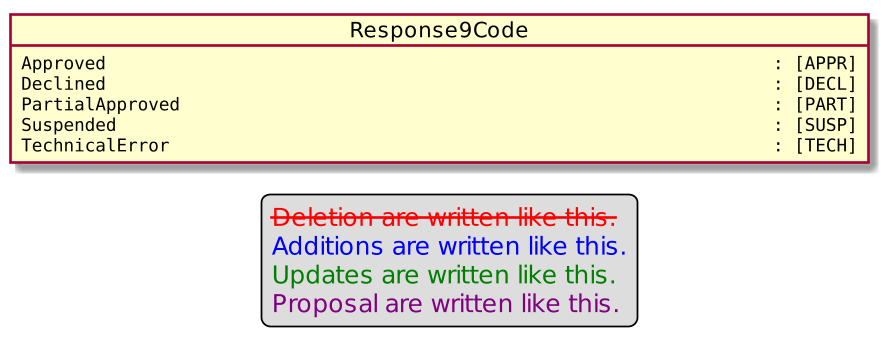
* + - * CardPaymentTransaction99

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. |

## Proposed implementation:

The *Response9Code* will be used.



## 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:~~ |

## 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 |  |

Comments:

|  |  |
| --- | --- |
| Reject |  |

# Change request number 0867 - Nexo caaa TokenHarmonization

**Copy of the approved change request:**

## Origin of the request:

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

*A.2 Contact person:* Philippe CECE ([Philippe.cece@ingenico.com](mailto:Philippe.cece@ingenico.com)) / Pierre MOURA ([pierre.moura@frenchsys.com](mailto:pierre.moura@frenchsys.com)) / Bruno AIELLO ([Bruno.Aiello@VERIFONE.com](mailto:Bruno.Aiello@VERIFONE.com)) / Philippe MERMOUD ([philippe.mermoud@natixis.com](mailto:philippe.mermoud@natixis.com)).

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

## Related messages:

For the caaa related messages:

* AcceptorAuthorisationRequest V09 caaa.001.001.09
* AcceptorAuthorisationResponse V09 caaa.002.001.09
* AcceptorCompletionAdvice V09 caaa.003.001.09
* AcceptorCompletionAdviceResponse V08 caaa.004.001.08
* AcceptorCancellationRequest V09 caaa.005.001.09
* AcceptorCancellationResponse V08 caaa.006.001.08
* AcceptorCancellationAdvice V09 caaa.007.001.09
* AcceptorCancellationAdviceResponse V08 caaa.008.001.08
* AcceptorReconciliationRequest V08 caaa.009.001.08
* AcceptorReconciliationResponse V07 caaa.010.001.07
* AcceptorBatchTransfer V09 caaa.011.001.09
* AcceptorBatchTransferResponse V08 caaa.012.001.08
* AcceptorDiagnosticRequest V08 caaa.013.001.08
* AcceptorDiagnosticResponse V07 caaa.014.001.07
* AcceptorCurrencyConversionRequest V07 caaa.016.001.07
* AcceptorCurrencyConversionResponse V07 caaa.017.001.07
* AccpetorCurrencyConversionAdvice V04 caaa.018.001.04
* AcceptorCurrencyConversionAdviceResponse V03 caaa.019.001.03
* TransactionAdvice V01 caaa.020.001.01
* TransactionAdviceResponse V01 caaa.021.001.01

For the casp related messages:

* SaleToPOIServiceRequest V02 casp 001.001.02
* SaleToPOIServiceResponse V02 casp 002.001.02
* SaleToPOIReconciliationRequest V02 casp 003.001.02
* SaleToPOIReconciliationResponse V02 casp 004.001.02
* SaleToPOISessionManagementRequest V02 casp 005.001.02
* SaleToPOISessionManagementResponse V02 casp 006.001.02
* SaleToPOIAdministrativeRequest V02 casp 007.001.02
* SaleToPOIAdministrativeResponse V02 casp 008.001.02
* SaleToPOIReportRequest V02 casp 009.001.02
* SaleToPOIReportResponse V02 casp 010.001.02
* SaleToPOIAbort V02 casp 011.001.02
* SaleToPOIEventNotification V02 casp 012.001.02
* SaleToPOIMessageStatusRequest V02 casp 014.001.02
* SaleToPOIMessageStatusResponse V02 casp 015.001.02
* SaleToPOIDeviceRequest V02 casp 016.001.02
* SaleToPOIDeviceResponse V02 casp 017.001.02

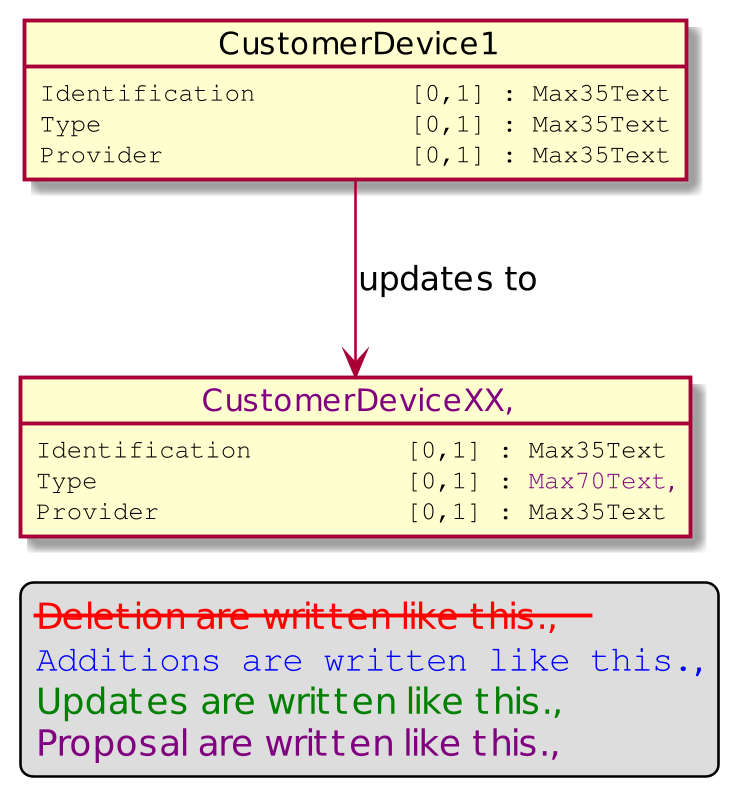
## Description of the change request:

In order to foster the adoption of iso20022 protocols, we would like to harmonize the token message component with the one defined by the ATICA protocol. This update will simplify the usage of tokens from the acceptor devices until the issuer domain.

Additionally to the introduction, last year, of new codeset related to 3DS v2.2, we realize that the authorization response, asking for *ConsumerDeviceCardholderVerificationMethod,* may require change the *CustomerDevice1* message component.

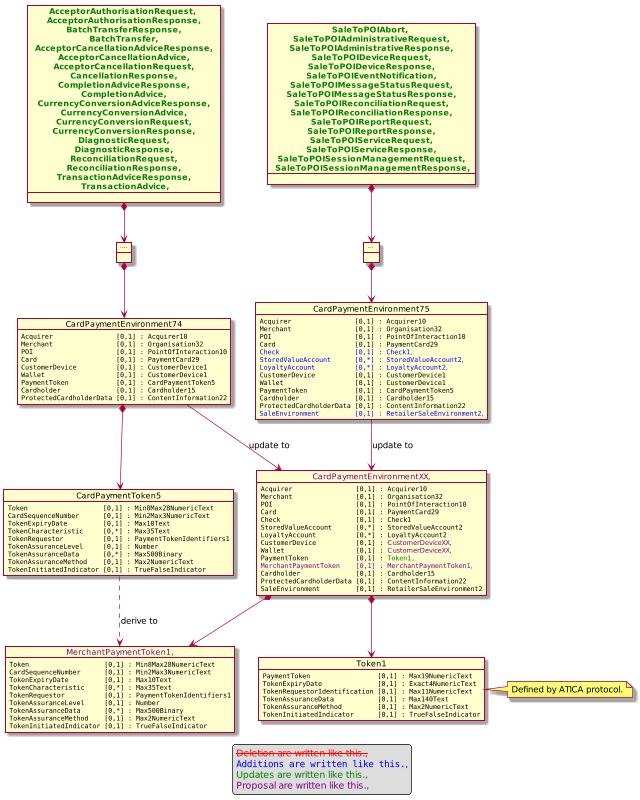
## Purpose of the change:

Regarding the update of the message component *CustomerDevice1,* we only have to extend the length of the message element *CustomerDevice/Type* from *Max35Text* to *Max70Text.*

****

Currently, acceptor to acquirer message transports token through a message element named *PaymentToken* defined with the message component *CardPaymentToken5.* The aim of this proposal is to split the current usage of *PaymentToken* in two parts. The first part will focused on credit card token with the same use cases than the token defined by ATICA protocol. So the first part, still named *PaymentToken* will be defined with the ATICA message component, which might, as far as we know, be named *Token1.* The second part of the former *PaymentToken* message element, will cover use cases that are not managed by the ATICA protocol. This element will be named *MerchantPaymentToken* and will be defined by the message component *MerchantPaymentToken1.* This later message component will be a copy from *CardPaymentToken5.* The introduction of this new message component should underline that the scope of this token is not the same as the card payment token defined by ATICA.

The updated messages are listed in a bold green font in the following diagram. Impacts on the RetailerProtocol have been also identified.



## Urgency of the request:

Not urgent.

## Business examples:

Examples illustrating the change request.

## 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: 2020/2021**  (the change will be considered for implementation in the yearly maintenance cycle which starts in 2020 and completes with the publication of new message versions in the spring of 2021) | | 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:

## Impact analysis and type of impact:

After an additional study, we believe that the message element *CardSequenceNumber* is not necessary in the *MerchantPaymentToken* message component.

Except this the modifications will be compliant with the approved Change Request.

The analysis of impact, provides the following dependancies.

CustomerDevice1

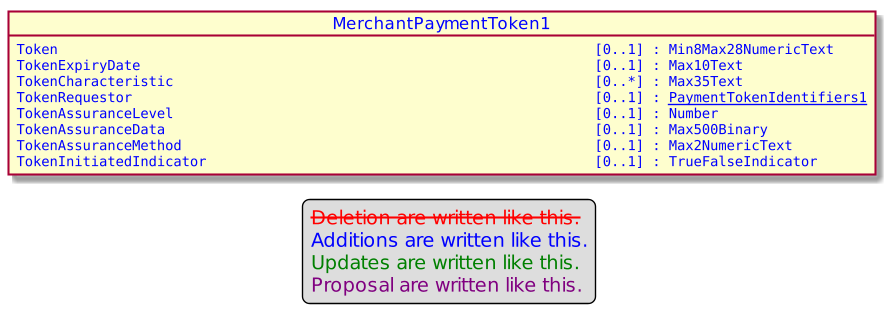
* CardPaymentEnvironment74
  + AcceptorAuthorisationRequest9
  + AcceptorAuthorisationResponse9
    - AcceptorAuthorisationResponseV09
  + AcceptorCancellationAdvice9
  + AcceptorCancellationAdviceResponse8
  + AcceptorCancellationRequest9
  + AcceptorCancellationResponse8
  + AcceptorCompletionAdvice9
  + AcceptorCompletionAdviceResponse8
  + AcceptorCurrencyConversionAdvice4
    - AcceptorCurrencyConversionAdviceV04
  + AcceptorCurrencyConversionRequest7
    - AcceptorCurrencyConversionRequestV07
  + AcceptorCurrencyConversionResponse7
    - AcceptorCurrencyConversionResponseV07
  + AcceptorDiagnosticRequest8
    - AcceptorDiagnosticRequestV08
  + AcceptorDiagnosticResponse6
    - AcceptorDiagnosticResponseV07
  + AcceptorReconciliationRequest8
  + AcceptorReconciliationResponse6
  + CardPaymentDataSet25
    - CardPaymentDataSet24
  + CardPaymentDataSetTransaction30
  + CardPaymentDataSetTransaction31
  + CardPaymentDataSetTransaction32
  + CardPaymentDataSetTransaction33
    - CardPaymentDataSetTransaction8Choice
  + CommonData9
    - CardPaymentDataSet23
* CardPaymentEnvironment75
  + AdministrativeRequest3
    - SaleToPOIAdministrativeRequestV02
  + AdministrativeResponse3
    - SaleToPOIAdministrativeResponseV02
  + DeviceRequest3
    - SaleToPOIDeviceRequestV02
  + DeviceResponse3
    - SaleToPOIDeviceResponseV02
  + MessageStatusRequest3
    - SaleToPOIMessageStatusRequestV02
  + MessageStatusResponse3
    - SaleToPOIMessageStatusResponseV02
  + ReconciliationRequest3
    - SaleToPOIReconciliationRequestV02
  + ReconciliationResponse4
    - SaleToPOIReconciliationResponseV02
  + ReportRequest3
    - SaleToPOIReportRequestV02
  + ReportResponse3
    - SaleToPOIReportResponseV02
  + ServiceRequest3
    - SaleToPOIServiceRequestV02
  + ServiceResponse3
    - SaleToPOIServiceResponseV02
  + SessionManagementRequest3
    - SaleToPOISessionManagementRequestV02
  + SessionManagementResponse3
  + SystemAbort3
    - SaleToPOIAbortV02
  + SystemEventNotification3
    - SaleToPOIEventNotificationV02

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”).

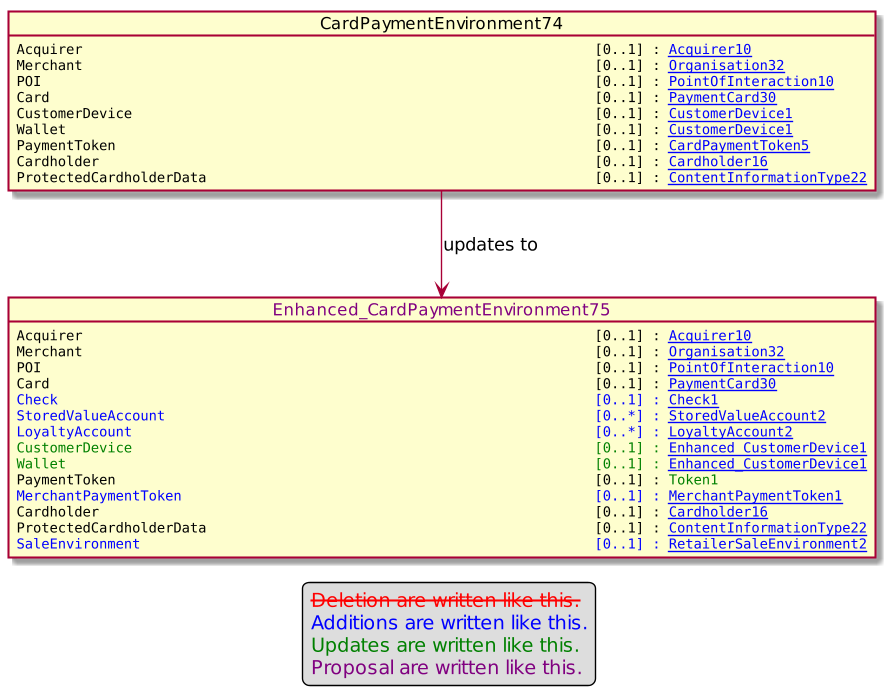
|  |  |  |
| --- | --- | --- |
| Type of impact | | |
|  | No impact | The change(s) will not impact the schema (the version number will not change) and will not impact the business applications of any users, e.g. the clarification of a definition |
| X | Conditional | The change(s) will impact the schema (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. |

## Proposed implementation:

The *MerchantPaymentToken* will be created as follow:



The *CardPaymentEnvironment74* will be updated as follow :



And the *CardPaymentEnvironement75* will be updated to the same new component.



## 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~~: |

## 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 |  |

Comments:

|  |  |
| --- | --- |
| Reject |  |

**Reason for rejection:**

# Change request number 0868 - Nexo casp Device Play Sound Request

**Copy of the approved change request:**

## Origin of the request:

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

*A.2 Contact person:* Philippe CECE ([Philippe.cece@ingenico.com](mailto:Philippe.cece@ingenico.com)) / Bruno AIELLO ([Bruno.Aiello@VERIFONE.com](mailto:Bruno.Aiello@VERIFONE.com)) / Philippe MERMOUD ([philippe.mermoud@natixis.com](mailto:philippe.mermoud@natixis.com))

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

## Related messages:

* SaleToPOIDeviceRequest V02 casp 016.001.02

## Description of the change request:

When we defined the SaleToPOI messages, we defined a PlaySound command. But we realize that it would be more interesting to defined a more universal command like a PlayResource, with a sound, or movie resource*.*

The aim of this Change Request is to introduce this PlayResource command

## Purpose of the change:

The proposal consists to revamp the existing *PlaySoundRequest* to a *PlayResourceRequest.* Consequently to this renaming, we need to change the codeset *SoundEnd* to *EndOfPlay* in the message component *ResponseModeCode.* The codesets *StartSound* and *StopSound* are also renamed *Play* and *Stop* in the message component *SoundActionCode.* Finally the *SoundAction* is renamed *ResourceAction.*

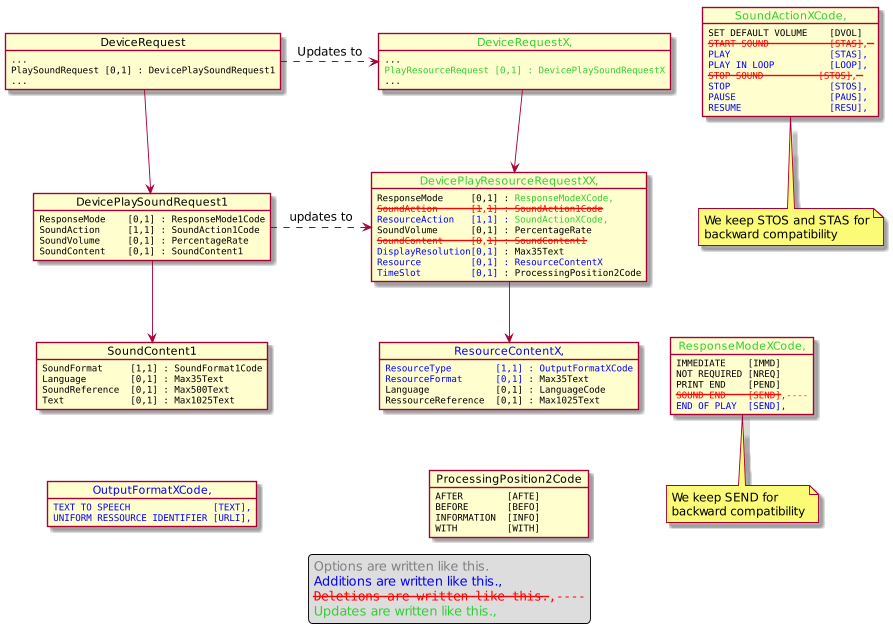
The generalization created by this new name also creates new actions identified by the codeset *PlayInLoop, Pause, Resume* in the *SoundActionXCode.*

Even if this current proposal is based on the reuse of the message component *SoundActionCode,* we might create a *ResourceActionCode* for repository consistency*.*

Since the resource could be a video, we need to provide additional information like the *DisplayResolution* or the *TimeSlot* when the resource needs to be played. This timeslot, that could be before, during or after the transaction or not in the transaction aiming the idle state is defined thanks to the *ProcessingPosition2Code* already defined in the repository.

Finally, the *ResourceContent* message component allows to define the resource to play. This could be a *TextToSpeech* with a relevant *language* or the identifier of this resource (*UniformResourceIdentifier).*

The following diagram depicts this proposal.



## Urgency of the request:

Urgent.

## Business examples:

Examples illustrating the change request.

## 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: 2020/2021**  (the change will be considered for implementation in the yearly maintenance cycle which starts in 2020 and completes with the publication of new message versions in the spring of 2021) | | 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:

## Impact analysis and type of impact:

After review, we prefer to create a new codeset called *ResourceActionXCode* rather than to reuse the *SoundActionXCode*.

The other elements listed in the approved Change Request will be unchanged.

The analysis of the ripple effet provides the following list.

ResponseMode1Code

* DevicePlaySoundRequest1
  + DeviceRequest3
    - SaleToPOIDeviceRequestV02
* DevicePrintRequest2
  + DeviceRequest3

SoundAction1Code

* DevicePlaySoundRequest1

SoundContent1

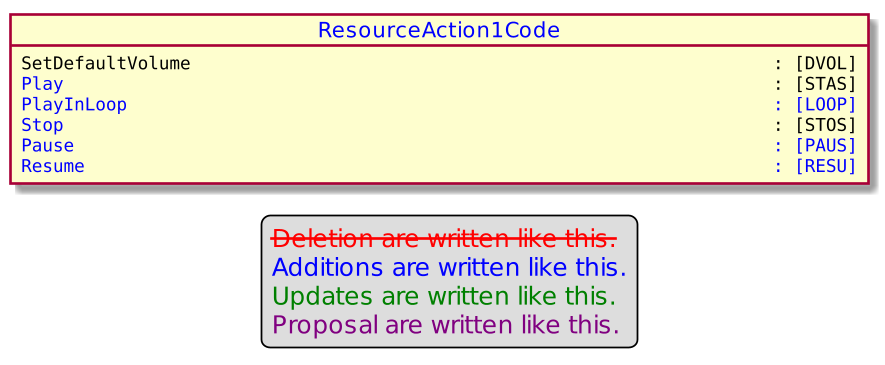
* DevicePlaySoundRequest1

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”).

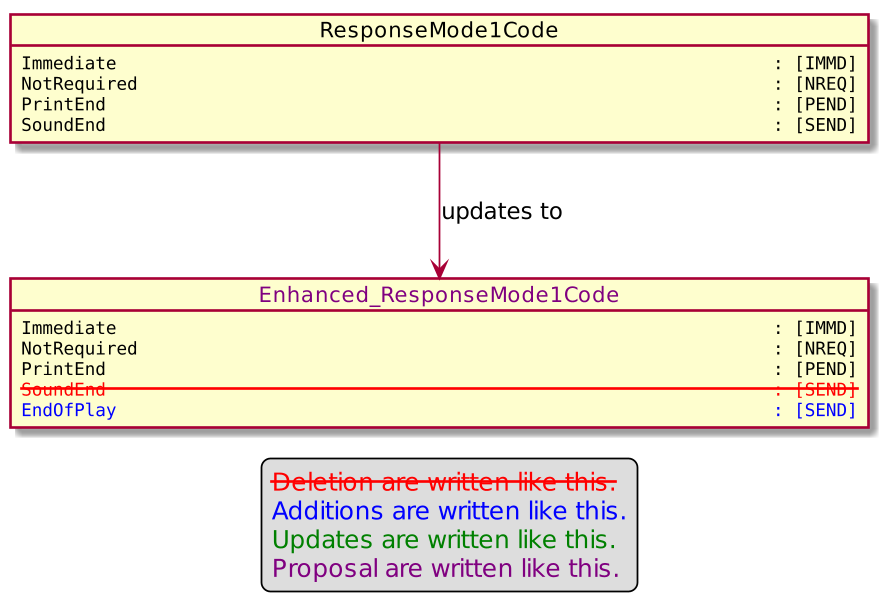
|  |  |  |
| --- | --- | --- |
| Type of impact | | |
|  | No impact | The change(s) will not impact the schema (the version number will not change) and will not impact the business applications of any users, e.g. the clarification of a definition |
| X | Conditional | The change(s) will impact the schema (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. |

## Proposed implementation:

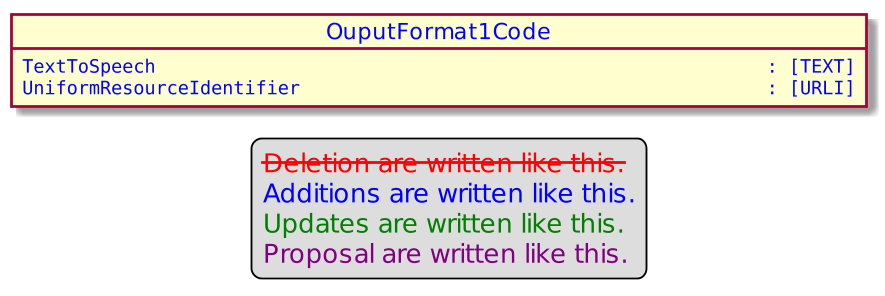
Creation of the message component *ResourceAction1Code* according to the following diagram



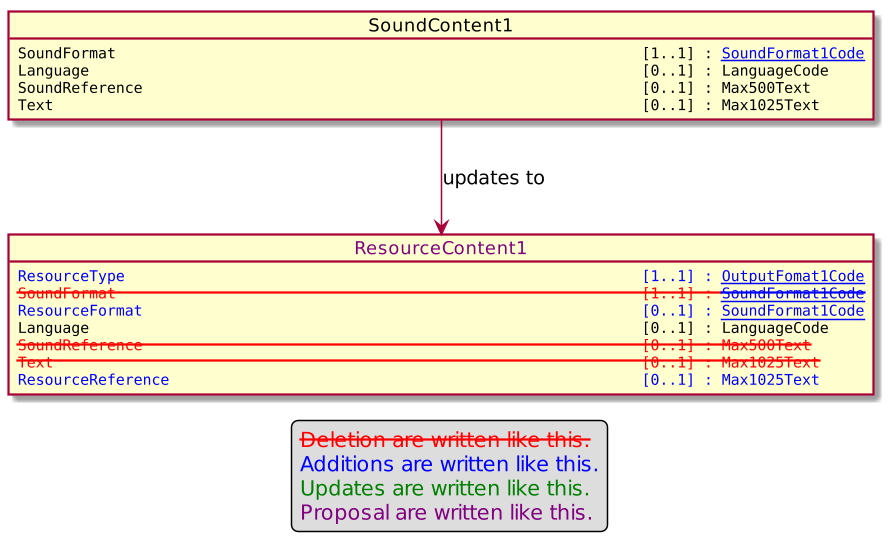
Update of the message component *ResponseMode1Code* in order to include broder usage.



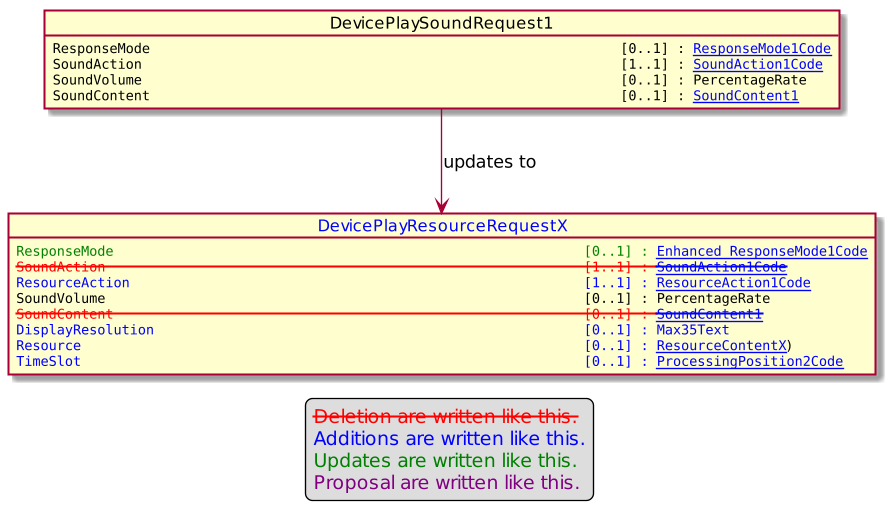
Creation of a new message component *OutputFormat1Code.*

**

Then we can update the message component *SoundContent1* to *ResourceContent1.*

**

An the update of the message component *DevicePlaySoundRequest1.*

**

Finally we can update the *DeviceRequest3*

**

## 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~~: |

## 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 |  |

Comments:

|  |  |
| --- | --- |
| Reject |  |

**Reason for rejection:**

# Change request number 0869 - Nexo casp Response Code

**Copy of the approved change request:**

## Origin of the request:

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

*A.2 Contact person:* Philippe CECE ([Philippe.cece@ingenico.com](mailto:Philippe.cece@ingenico.com)) / Bruno AIELLO ([Bruno.Aiello@VERIFONE.com](mailto:Bruno.Aiello@VERIFONE.com)) / Philippe MERMOUD ([philippe.mermoud@natixis.com](mailto:philippe.mermoud@natixis.com))

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

## Related messages:

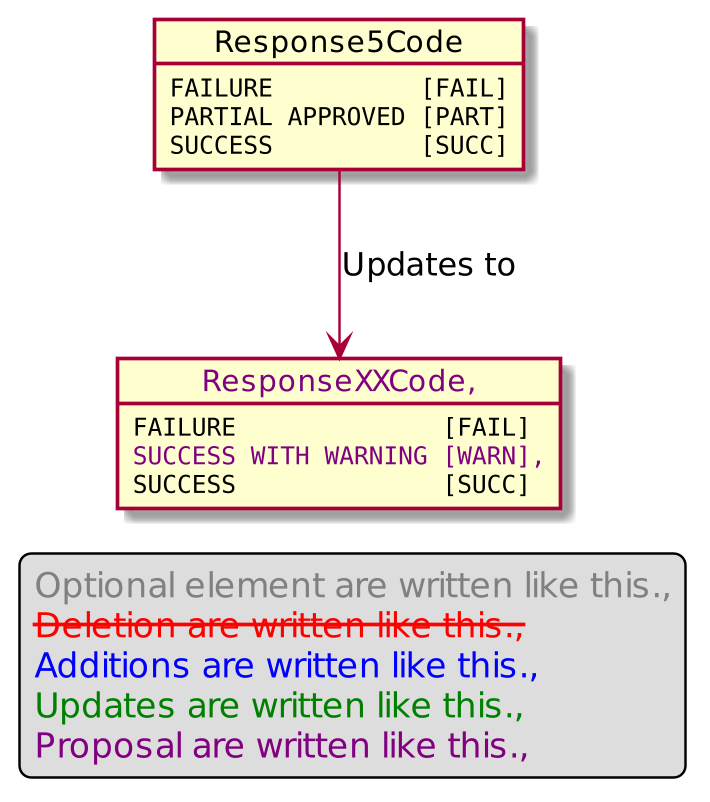
* SaleToPOIServiceResponse V02 casp 002.001.02
* SaleToPOIReconciliationResponse V02 casp 004.001.02
* SaleToPOISessionManagementResponse V02 casp 006.001.02
* SaleToPOIAdministrativeResponse V02 casp 008.001.02
* SaleToPOIReportResponse V02 casp 010.001.02
* SaleToPOIMessageStatusResponse V02 casp 015.001.02
* SaleToPOIDeviceResponse V02 casp 017.001.02

## Description of the change request:

When we defined the SaleToPOI messages, we tried to reuse as much as possible existing codeset or component. Unfortunately, we realize that this could sometimes create misundertanding, like the reuse of *PARTIAL\_APPROVAL* to notify a successful processing of a request with some warnings. The aim of this Change Request is to correct this misunderstanding*.*

## Purpose of the change:

A new codeset will be defined in the *ResponseCode* as *SUCCESS WITH WARNING,* and the Response5Code will be updated to replace the current *PARTIAL APPROVED* by this new codeset. This new resulting *ResultXXCode* will be used in every response message of the Retailer protocol.



## Urgency of the request:

Urgent.

## Business examples:

Examples illustrating the change request.

## 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: 2020/2021**  (the change will be considered for implementation in the yearly maintenance cycle which starts in 2020 and completes with the publication of new message versions in the spring of 2021) | | 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:

Remark of Cards SEG on 25/06/2020: Use only “Warning” instead “Success with Warning”

|  |  |
| --- | --- |
| **Reject** |  |

Reason for rejection:

## Impact analysis and type of impact:

As suggested by the CardSEG, we will define the codeset as *WARNING* with the following definition : *An additional Response Code, mainly a functional one, should be considered to identify the outcome of the request.*

The analysi of the ripple effet provides the following list.

Response5Code.

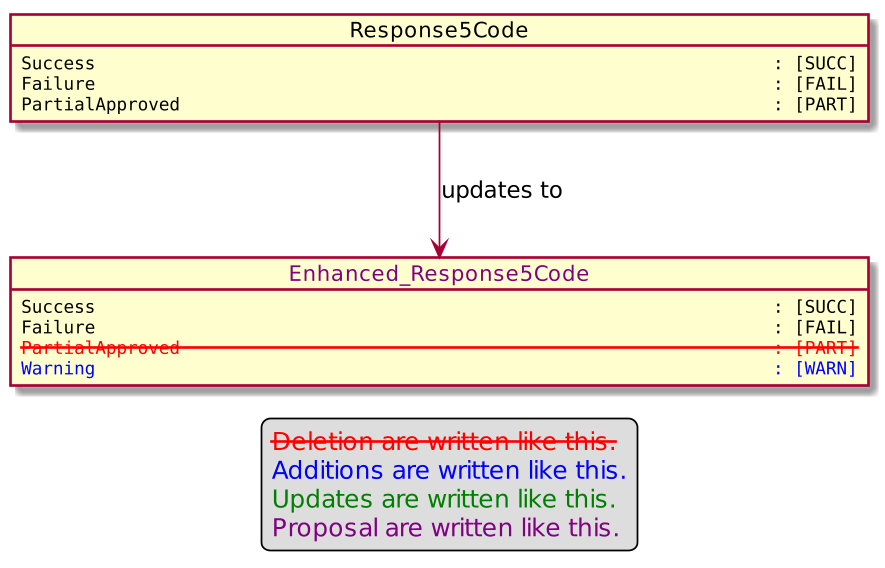
* ResponseType9
  + AdministrativeResponse3
  + DeviceResponse3
  + MessageStatusResponse3
  + MessageStatusResponseData3
    - MessageStatusResponse3
  + OutputResult1
    - DeviceDisplayResponse1
      * DeviceResponse3
    - DeviceInputResponse2
      * DeviceResponse3
  + PerformedTransaction2
    - BatchResponse2
      * ServiceResponse3
  + PointOfInteractionTransactionReport2
    - ReportTransactionResponse2
      * ReportResponse3
  + ReconciliationResponse4
  + ReportResponse3
  + ServiceResponse3
  + SessionManagementResponse3

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 |
|  | 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 |
| X | Mandatory | The change(s) will impact the schema and the business applications of all users, e.g. addition of a mandatory component. |

## Proposed implementation:

So *Response5Code* will be updated as highlighted by the following diagram.



Detailed description of the required modification to implement the requested change.

## 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:~~ |

## 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 |  |

Comments:

|  |  |
| --- | --- |
| Reject |  |

**Reason for rejection:**

# Change request number 0870 – Nexo casp Reversal Request

**Copy of the approved change request:**

## Origin of the request:

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

*A.2 Contact person:* Philippe CECE ([Philippe.cece@ingenico.com](mailto:Philippe.cece@ingenico.com)) / Bruno AIELLO ([Bruno.Aiello@VERIFONE.com](mailto:Bruno.Aiello@VERIFONE.com)) / Philippe MERMOUD ([philippe.mermoud@natixis.com](mailto:philippe.mermoud@natixis.com))

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

## Related messages:

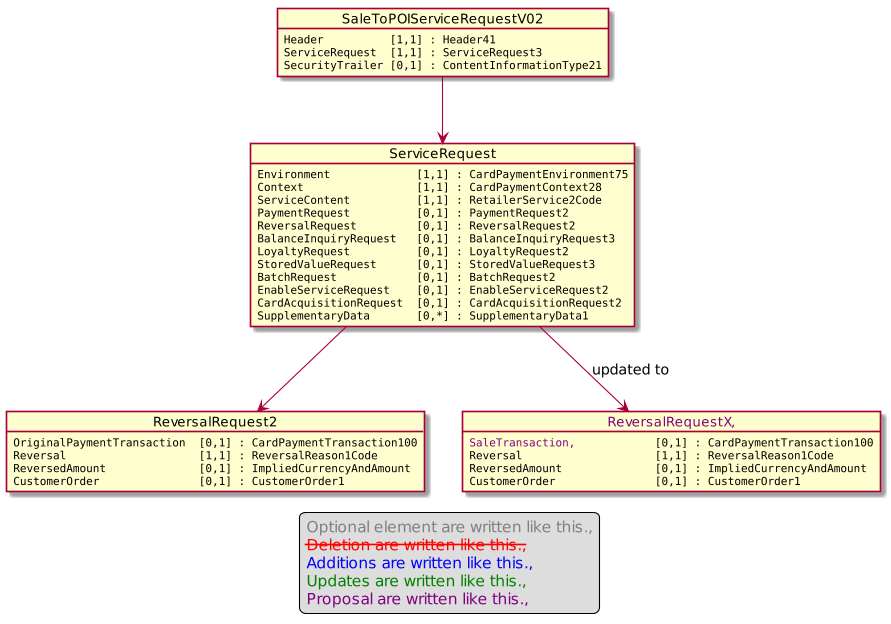
* SaleToPOIServiceRequest V02 casp 001.001.02

## Description of the change request:

When we defined the *ReversalRequest* in the SaleToPOI messages, we made a mistake in the name of *OriginalPaymentTransaction.* Indeed, this transaction identification is the one coming from the sale for this reversal request and should have been named *SaleTransaction.* This *SaleTransaction* is mandatory to trace any service requests to manage disputes. Unfortunately, we realize that the current *OriginalPaymentTransaction* creates misundertanding since we tend to provide payment information rather than sale information. The aim of this Change Request is to correct this misunderstanding.

## Purpose of the change:

The proposal consists to rename the message element *OriginalPaymentTransaction* into *SaleTransaction* inside the message component *ReversalRequest2* as highlighted in the following diagram.



A review of the other message elements present in the message component *ServiceRequest* will be done to check if *SaleTransactionIdentification* will be mandated to log any request between between the sale system and the poi system.

## Urgency of the request:

Urgent.

## Business examples:

Examples illustrating the change request.

## 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: 2020/2021**  (the change will be considered for implementation in the yearly maintenance cycle which starts in 2020 and completes with the publication of new message versions in the spring of 2021) | | 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:

Remark of Cards SG on 25/06/2020: All sub cases have to be checked!

|  |  |
| --- | --- |
| **Reject** |  |

Reason for rejection:

## Impact analysis and type of impact:

After a review of some use cases, we opt for some changes in the implementation of the new *ReversalRequestXX* message component.

To avoid any misconception and keep uniformity in names, the *OriginalPaymentTransaction* is renammed *ReversalTransaction*. In order to correctly managed loyalty, message elements *LoyaltyData* with multiplicity *[0..x]* is also added like in a *PaymentRequest.*

The analysis of impact of modifications gives the following changes.

ReversalRequest2

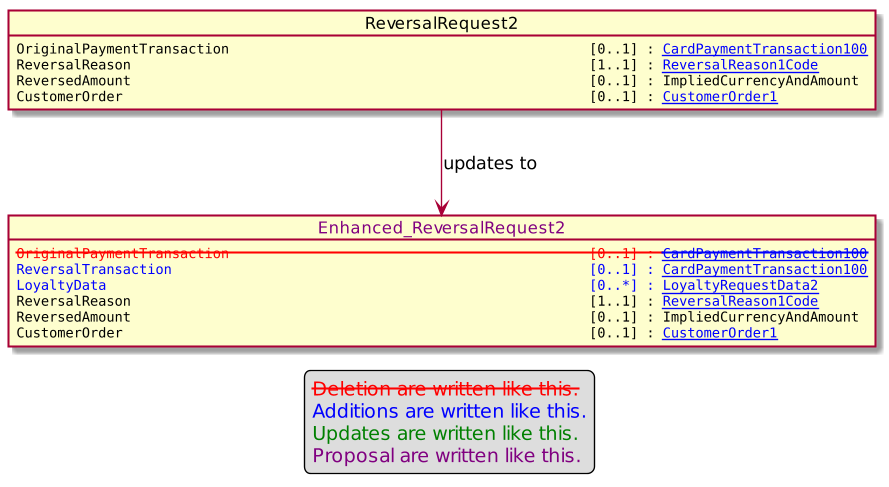
* ServiceRequest3
* TransactionToPerform2Choice
  + BatchRequest2
    - ServiceRequest3

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. |

## Proposed implementation:

The *ReversalRequest2* will be updated accordingly to the following diagram.



## 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:~~ |

## 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 |  |

Comments:

|  |  |
| --- | --- |
| Reject |  |

**Reason for rejection:**

# Change request number 0871 – Nexo catm Harmonization Of Names Length

**Copy of the approved change request:**

## Origin of the request:

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

*A.2 Contact person:* Philippe CECE ([Philippe.cece@ingenico.com](mailto:Philippe.cece@ingenico.com)) / Pierre MOURA ([pierre.moura@frenchsys.com](mailto:pierre.moura@frenchsys.com))

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

## Related messages:

* AcceptorAuthorisationRequest V09 caaa.001.001.09
* AcceptorAuthorisationResponse V09 caaa.002.001.09
* AcceptorCompletionAdvice V09 caaa.003.001.09
* AcceptorCompletionAdviceResponse V08 caaa.004.001.08
* AcceptorCancellationRequest V09 caaa.005.001.09
* AcceptorCancellationResponse V08 caaa.006.001.08
* AcceptorCancellationAdvice V09 caaa.007.001.09
* AcceptorCancellationAdviceResponse V08 caaa.008.001.08
* AcceptorReconciliationRequest V08 caaa.009.001.08
* AcceptorReconciliationResponse V07 caaa.010.001.07
* AcceptorBatchTransfer V09 caaa.011.001.09
* AcceptorBatchTransferResponse V08 caaa.012.001.08
* AcceptorDiagnosticRequest V08 caaa.013.001.08
* AcceptorDiagnosticResponse V07 caaa.014.001.07
* AcceptorCurrencyConversionRequest V07 caaa.016.001.07
* AcceptorCurrencyConversionResponse V07 caaa.017.001.07
* AccpetorCurrencyConversionAdvice V04 caaa.018.001.04
* AcceptorCurrencyConversionAdviceResponse V03 caaa.019.001.03
* TransactionAdvice V01 caaa.020.001.01
* TransactionAdviceResponse V01 caaa.021.001.01
* StatusReport V09 catm 001.001.09
* ManagementPlanReplacement V08 catm 002.001.08
* AcceptorConfigurationUpdate V09 catm 003.001.09
* MaintenanceDelegationRequest V06 catm 005.001.06
* MaintenanceDelegationResponse V04 catm 006.001.04
* CertificateManagementRequest V03 catm 007.001.03
* CertificateManagementResponse V03 catm 008.001.03
* SaleToPOIServiceRequest V02 casp 001.001.02
* SaleToPOIServiceResponse V02 casp 002.001.02
* SaleToPOIReconciliationRequest V02 casp 003.001.02
* SaleToPOIReconciliationResponse V02 casp 004.001.02
* SaleToPOISessionManagementRequest V02 casp 005.001.02
* SaleToPOISessionManagementResponse V02 casp 006.001.02
* SaleToPOIAdministrativeRequest V02 casp 007.001.02
* SaleToPOIAdministrativeResponse V02 casp 008.001.02
* SaleToPOIReportRequest V02 casp 009.001.02
* SaleToPOIReportResponse V02 casp 010.001.02
* SaleToPOIAbort V02 casp 011.001.02
* SaleToPOIEventNotification V02 casp 012.001.02
* SaleToPOIMessageStatusRequest V02 casp 014.001.02
* SaleToPOIMessageStatusResponse V02 casp 015.001.02
* SaleToPOIDeviceRequest V02 casp 016.001.02
* SaleToPOIDeviceResponse V02 casp 017.001.02

## Description of the change request:

We would like to extend the length of some message element *Names* since currently we are not able to transport their full value.

For instance, when a TMS sends parameters to a POI, *Identification* brings all the information through a *DataSetIdentification8* message component. The *Name* included in *Identification* is a *Max256Text.* When the POI wants to report the presence of this parameters, it has to set the identification of a *POIComponent* defined with the *PointOfInteractionComponentIdentification1.* But currently the *Identification* (the name field) of this message component is currently defined as a *Max35Text.*

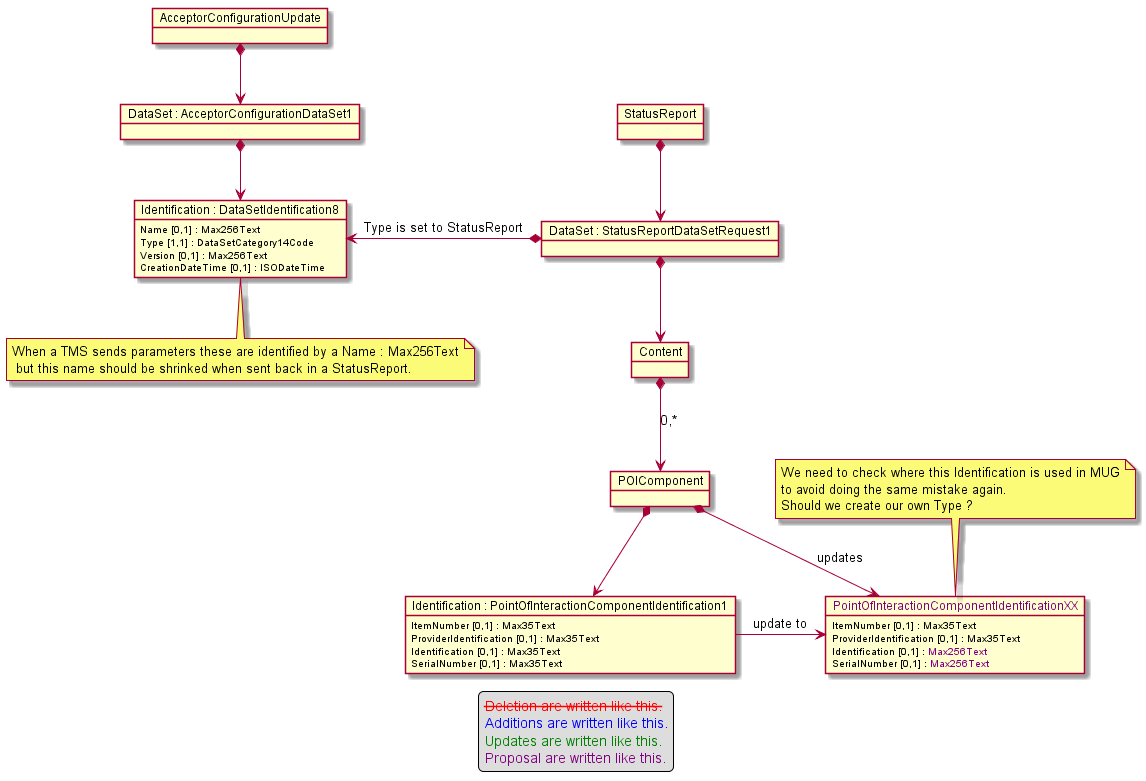
The same inconsistency applies on *SerialNumber* of the *SignerIdentification* of the CMS structure. Generally speaking this one is set with the ASCII representation of a result of SHA1 (160 bits) computation with ":" between each byte value (e.g : 41:9D:CF:A5:FD:30:24:C0:C9:80:85:9E:2D:2D:22:9D:1D:78:8F:4A) leading to 39 ASCII values that we have to fit into a Max35Binary.

Finally, we would like to correct our previous model for elliptic curve signature in order to match the corresponding model encoded in ASN.1

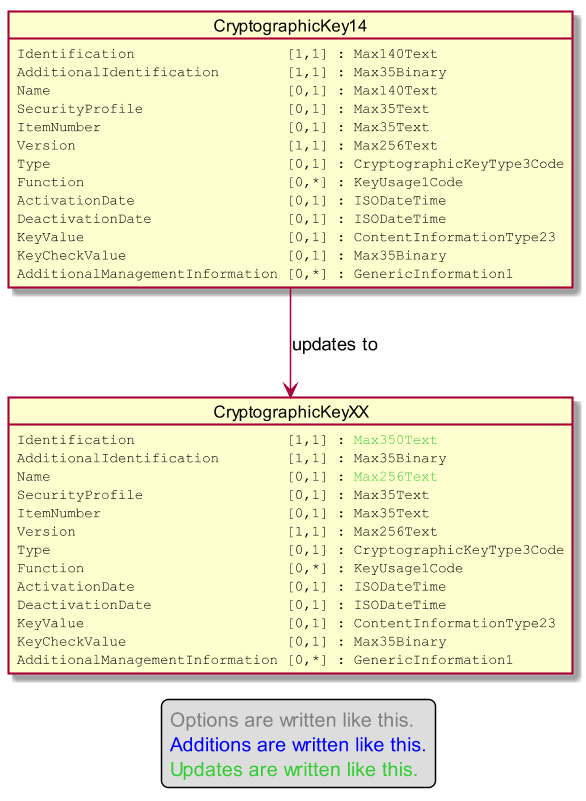
Since we will have to update the CMS structure, all messages, except rejection, will have to be updated.

## Purpose of the change:

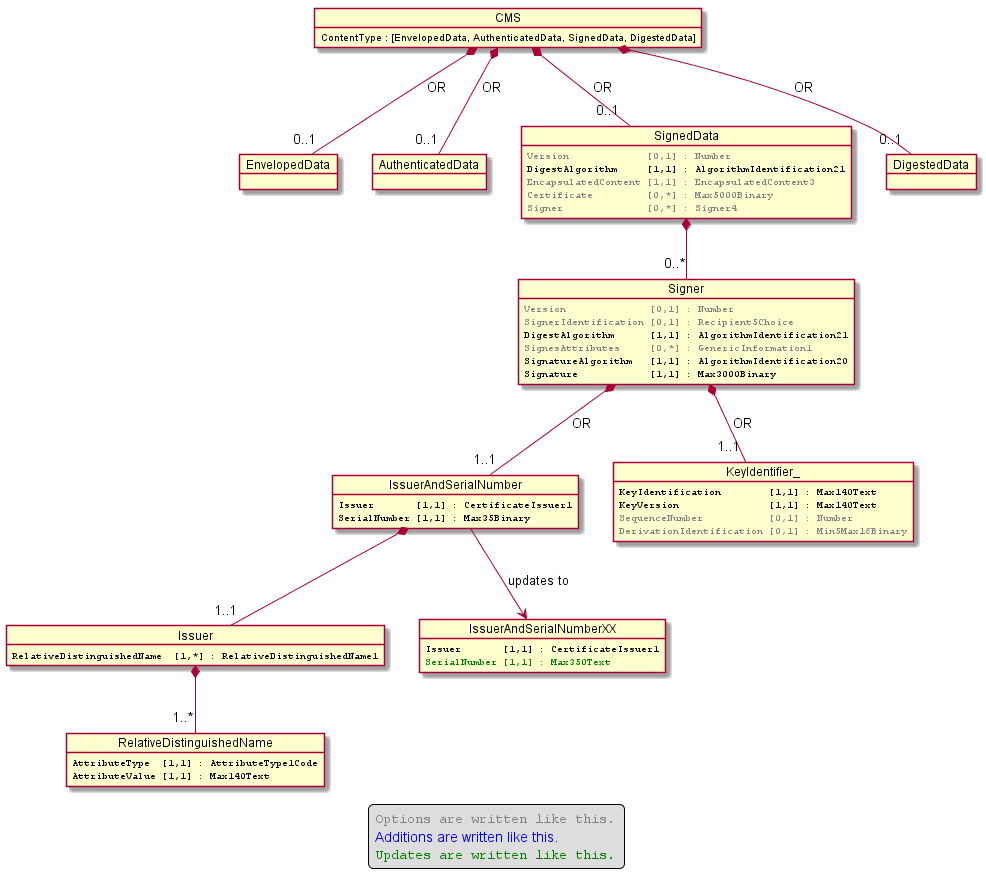
As previously explained, the first modification will target the *PoinOfInteractionComponentIdenticiation1* as highlighted by the following diagram*.*



The second update targets *CryptographicKey14* message component in order to extend size of message elements.



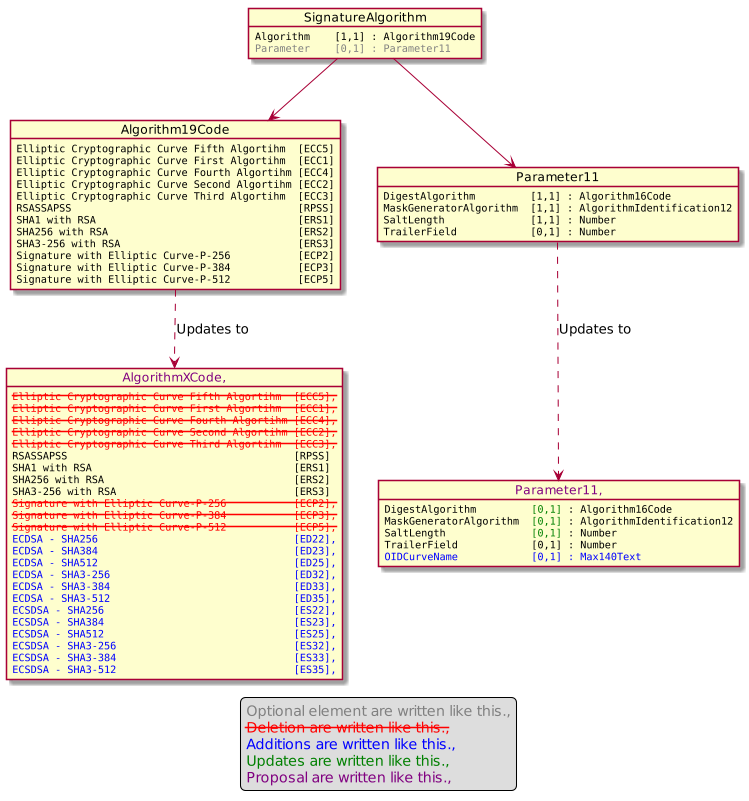
Then we want to change the type of the message element *SerialNumber* from *Max35Binary* to *Max350Text.* Then we will be able to set the value in any identification message element.



We won't change the size of the *AttributeValue* of the message component *RelativeDistinguishedName* since according to the RFC3280 the maximum length should be limited to 64.

Finally we want to change the way we identify signature computed through elliptic curve algortihm. Currently our design uses a codeset to identify the curve and the digest might be provided by a *Parameter.* Except the error, in the cardinality inside the message component *Parameter,* the classical and standardized ASN.1 way to define this kind of algorithm is to define a codeset identifying the digest algorithm and a parameter to identify the name of the curve. To avoid any misunderstanding regarding the name of the curve, the corresponding OID value will be provided in a text manner (e.g 1.2.840.10045.4.3.2).

The following diagram explains the modifications.



## Urgency of the request:

Urgent.

## Business examples:

Examples illustrating the change request.

## 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: 2020/2021**  (the change will be considered for implementation in the yearly maintenance cycle which starts in 2020 and completes with the publication of new message versions in the spring of 2021) | | 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:

## Impact analysis and type of impact:

The modifications will be done accordingly to the approved Change Request.

Since we are modifying components that are reused in may other message components, the analysis of ripple effects gives a long list.

PointOfInteractionComponentIdentification1

* LoginRequest2
  + SessionManagementRequest3
* PointOfInteractionComponent10
  + EventContext2
    - RetailerEvent2
      * EventNotificationData2
        + SystemEventNofification3
  + LoginRequest2
  + LoginResponse2
    - SessionManagementResponse3
  + PointOfInteraction10
    - CardPaymentEnvironment74
    - CardPaymentEnvironment75
  + StatusReportContent9
* TerminalPackageType1
  + AcceptorConfigurationContent9

CryptographicKey14

* DataSetRequest1
  + StatusReportContent9
* PointOfInteractionComponentCharacteristics6
  + PointOfInteractionComponent10
* SecurityParameters12
  + AcceptorConfigurationContent9

IssuerAndSerialNumber1

* Recipient5Choice
  + KeyTransport5
    - Recipient8Choice
      * AuthenticatedData6
        + ContentInformationType21

ActionMessage7 (cf below)

StatusReportV09

ManagementPlanReplacementV08

AcceptorConfigurationUpdateV09

MaintenanceDelegationRequestV06

MaintenanceDelegationResponseV04

CertificateManagementRequestV03

CertificateManagementResponseV03

SaleToPOIServiceRequestV02

SaleToPOIServiceResponseV02

SaleToPOIReconciliationuestV02

SaleToPOIReconciliationResponseV02

SaleToPOISessionManagementRequestV02

SaleToPOISessionManagementResponseV02

SaleToPOIAdministrativeRequestV02

SaleToPOIAdministrativeResponseV02

SaleToPOIReportRequestV02

SaleToPOIReportResponseV02

SaleToPOIAbortV02

SaleToPOIEventNotificationV02

SaleToPOIMessageStatusRequestV02

SaleToPOIMessageStatusResponseV02

SaleToPOIDeviceRequestV02

SaleToPOIDeviceResponseV02

* + - * + ContentInformationType23

CryptographicKey14

DataSetRequest1 (cf below)

ExternallyDefinedData1 (cf below)

InputResultData2 (cf below)

MaintenanceDelegation9 (cf below)

TMSAction8

* + - * + ContentInformationType24

AcceptorAuthorisationRequestV09

AcceptorToAuthorisationResponseV09

AcceptorCompletionAdviceV09

AcceptorCompletionAdviceResponseV08

AcceptorCancellationRequestV09

AcceptorCancellationResponseV08

AcceptorCancellationAdviceV09

AcceptorCancellationAdviceResponseV08

AcceptorReconciliationRequestV08

AcceptorReconciliationResponseV07

AcceptorBatchTransferV09

AcceptorBatchTransferResponseV08

AcceptorDiagnosticRequestV08

AcceptorDiagnosticResponseV07

AcceptorCurrencyConversionRequestV07

AcceptorCurrencyConversionResponseV07

AcceptorCurrencyConversionAdviceV04

AcceptorCurrencyConversionAdviceResponseV03

TransactionAdviceV01

TransactionAdviceResponseV01

* + - * EnvelopedData7
        + ContentInformationType22

ApplicationParameters9 (cf below)

CardholderAuthentication13

CardPaymentEnvironment74

CardPaymentEnvinvironment75

CardPaymentTransaction94

MobileData2 (cf below)

OnLinePin7 (cf below)

PaymentCard30 (cf below)

RetailerPaymentResult2

* + - * + ContentInformationType23
  + Signer4
    - SignedData5
      * ContentInformationType21
      * ContentInformationType23

ActionMessage7

* AbortData2
  + SystemAbort3
* Action10
  + CardPaymentTransaction94
    - AcceptorAuthorisationResponse9
    - CardPaymentDataSetTransaction33
    - RetailerPaymentResult2
      * PaymentResponse2
        + MessageStatusRespoonseData3
        + PointOfInteractionTransactionReport2
        + ServiceResponse3
      * PerformedTransaction2
  + CardPaymentTransaction98
* CurrencyConversion19
  + CardPaymentTransaction94
  + CurrencyConversion17
    - AcceptorCurrencyConversionAdvice4
    - CardPaymentTransactionDetails48
      * CardPaymentTransaction100
        + AcceptorCurrencyConversionRequest7
        + LoyaltyTransaction2

LoyaltyRequest2 (cf below)

* + - * + PaymentRequest2

ServiceRequest3

TransactionToPerform2Choice

* + - * + RetailerPaymentResult2
        + RetailerReversalResult2

ReversalResponse3 (cf below)

* + - * + ReversalRequest2
        + StoredValueData3

StoredValueRequest3 (cf below)

StoredValueResponse3 (cf below)

* + - * CardPaymentTransaction92
      * CardPaymentTransaction93
        + AcceptorAuthorisationResponse9
        + AcceptorCurrencyConversionAdvice4
        + AcceptorCurrencyConversionResponse7
        + CardPaymentDataSetTransaction33
      * CardPaymentTransaction99
  + CurrencyConversion18
    - AcceptorCurrencyConversionResponse7
    - CardPaymentTransaction102
      * CardPaymentTransaction100
* DeviceDisplayRequest2
  + DeviceRequest3
* DeviceInitialisationCardReaderRequest2
  + DeviceRequest3
* DeviceInputNotification2
  + DeviceRequest3
* DeviceInputRequest2
  + DeviceRequest3
* DevicePoweroffCardReaderRequest2
  + DeviceRequest3
* DevicePrintRequest2
* EnableServiceRequest2
  + ServiceRequest3
* EventNotificationData2
  + SystemEventNotification3
* InputData2
  + DeviceInputRequest2
* LoginRequest2
  + SessionManagementRequest3
* LoginResponse2
  + SessionManagementResponse3
* PaymentReceipt2
  + BalanceInquiryResponse2
    - ServiceResponse3
  + PaymentResponse2
    - MessageStatusResponseData3
    - PointOfInteractionTransactionReport2
    - ServiceResponse3
  + ReversalResponse3
    - MessageStatusResponseData3
    - ServiceResponse3
  + StoredValueResponse3
    - MessageStatusResponseData3
    - ServiceResponse3
* LoyaltyRequest2
  + ServiceRequest3
  + TransactionToPerform2Choice
* StoredValueRequest3
  + BalanceInquiryRequest3
    - ServiceRequest3
  + ServiceRequest3
* DataSetRequest1
  + StatusReportContent9
* ExternallyDefinedData1
  + CardholderAuthentication13
    - Cardholder16
      * CardPaymentEnvironment74
      * CardPaymentEnvironment75
  + CardPaymentTransactionDetails48
  + PackageType1
    - PointOfInteractionComponent10
    - TerminalPackageType1
* InputResultData2
  + InputResult2
    - DeviceInputResponse2
* MaintenanceDelegation9
  + MaintenanceDelegationResponse4
    - MaintenanceDelegationResponseV04
* AppcationParameters9
  + AcceptorConfigurationContent9
* MobileData2
  + Cardholder16
* OnLinePin7
  + CardholderAuthentication13
  + DeviceSecureInputRequest2
    - DeviceRequest3
  + DeviceSecureInputResponse2
    - DeviceResponse3
* PaymentCard30
  + CardPaymentEnvironment74
  + CardPaymentEnvironment75

Algorithm19Code

* AlgorithmIdentification20 (cf below)

Parameter11

* AlgorithmIdentification20 (cf below)

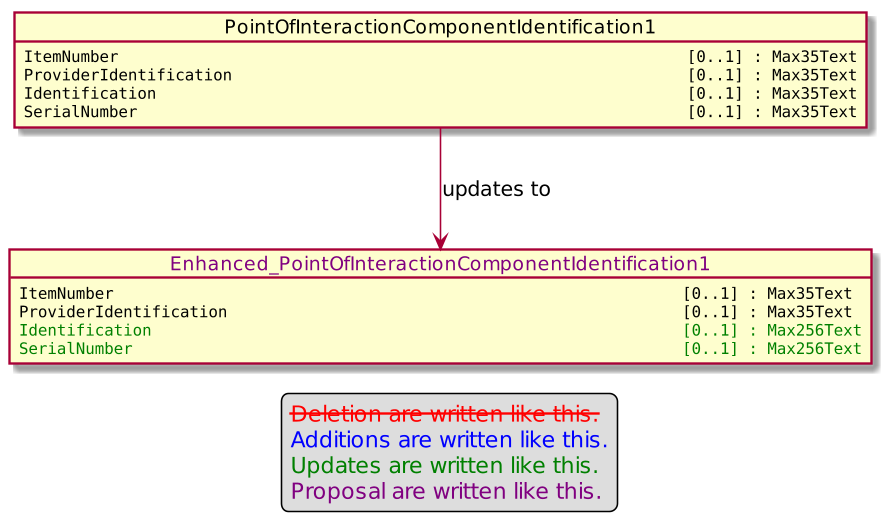
AlgorithmIdentification20

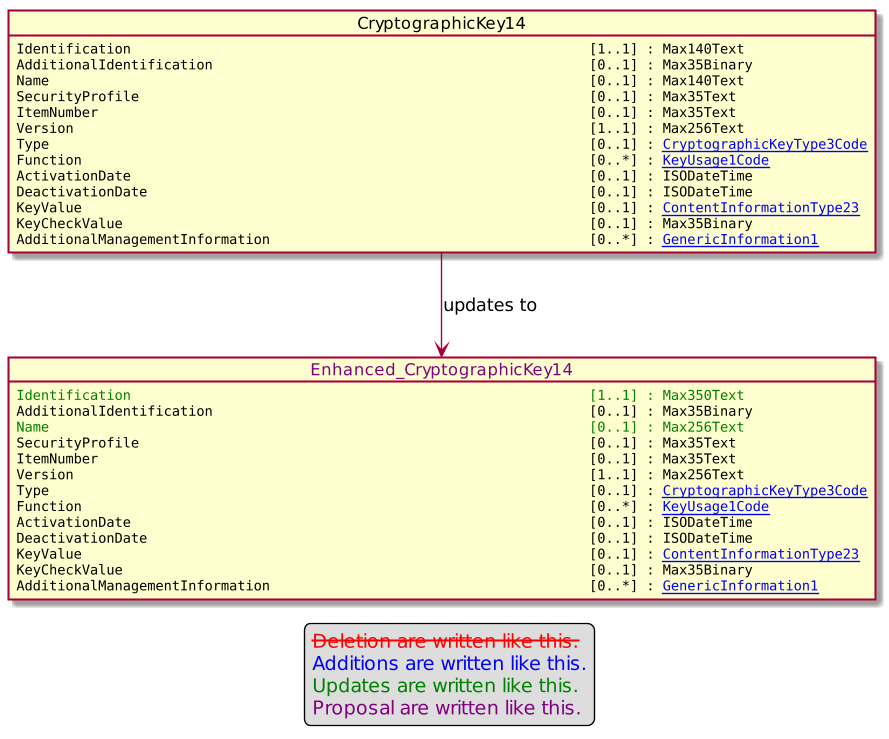
* Signer4

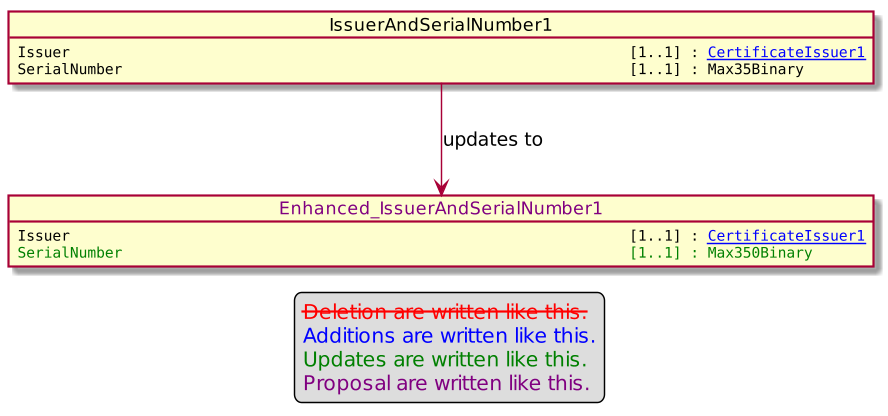
The severity of the impact of the proposed change for the message users should be indicated in the table below (either “no impact”, “conditional’ or “mandatory”).

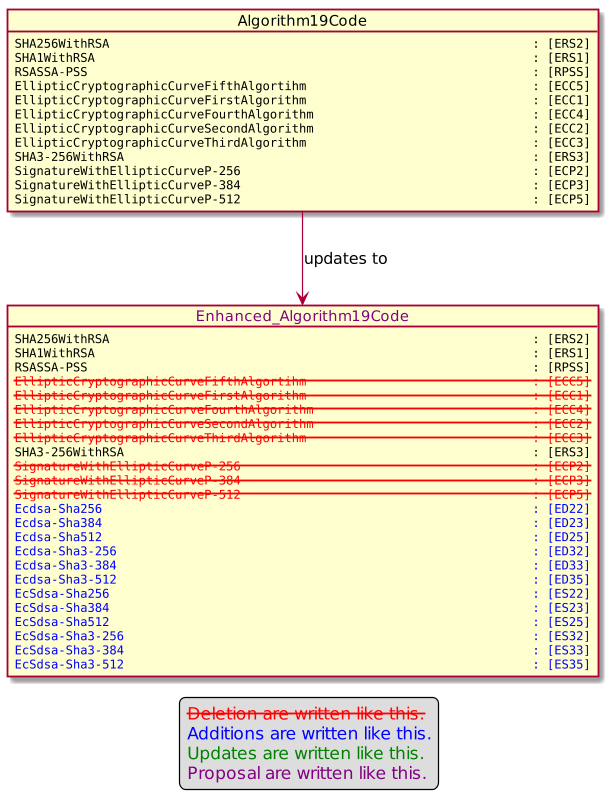
|  |  |  |
| --- | --- | --- |
| Type of impact | | |
|  | No impact | The change(s) will not impact the schema (the version number will not change) and will not impact the business applications of any users, e.g. the clarification of a definition |
|  | Conditional | The change(s) will impact the schema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

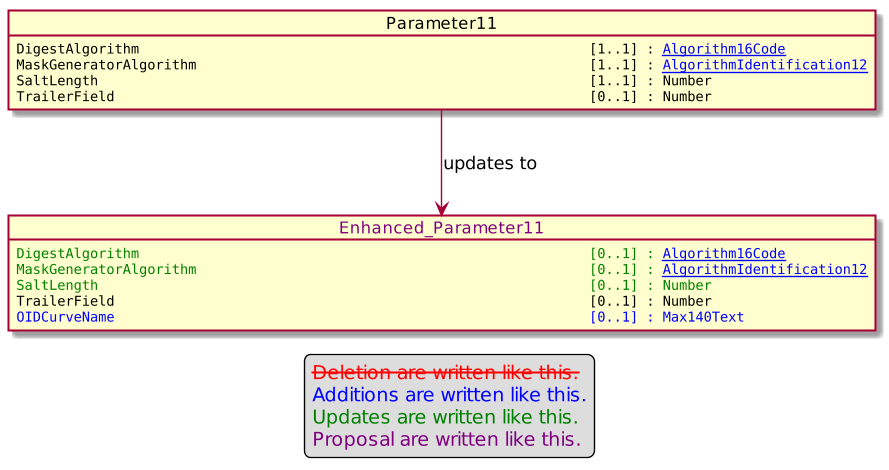
## Proposed implementation:











## 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:~~ |

## 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 |  |

Comments:

|  |  |
| --- | --- |
| Reject |  |

**Reason for rejection:**

# Change request number 0872 – Nexo catm New Acquirer Messages

**Copy of the approved change request:**

## Origin of the request:

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

*A.2 Contact person:* Philippe CECE ([Philippe.cece@ingenico.com](mailto:Philippe.cece@ingenico.com)) / Pierre MOURA ([pierre.moura@frenchsys.com](mailto:pierre.moura@frenchsys.com))

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

## Related messages:

* AcceptorBatchTransfer V09 caaa.011.001.09
* AcceptorConfigurationUpdate V09 catm.003.001.09
* MaintenanceDelegationRequest V06 catm 005.001.06

## Description of the change request:

In order to cover new use cases, it would be interesting to include 2 couples of new messages in the caaa protocols:

* AcceptorNonFinancialRequest / AcceptorNonFinancialResponse
* AcceptorTransactionLogReportRequest / AcceptorTransactionLogReportResponse

The goal of the AcceptorNonFinancialRequest/Response is to allow the development of pre-acquiring services, in addition to the acquiring services performed by the Acquirer. These pre-acquiring services may include (but are not limited to) Risk management, final Acquirer selection and Routing. These pre-acquiring services could be performed by the Acquirer or an Agent. In order to foster usage of tokens between acceptor and acquirer and limit the usage of sensitive information, we also propose to support token and PAR inquiries in the request, and received them back in the response, since the PAR is an element of a the *Card* message component.

The second couple of messages AcceptorTransactionLogReportRequest/Response allow detailed reconciliation through reports between an Acceptor and an Agent.

The creation of these new messages implies the update of the TMS protocol to still clearly identify which messages a POI might sent to an acquirer. An additional update of the BatchTransfer messages is also considered to be able to request a batch of Tokens.

## Purpose of the change:

* AcceptorNonFinancialRequest

The proposal is based on the same message element used in an authorization request coupled with a clear indication of the requested services and flags to identify which token are expected in the response.

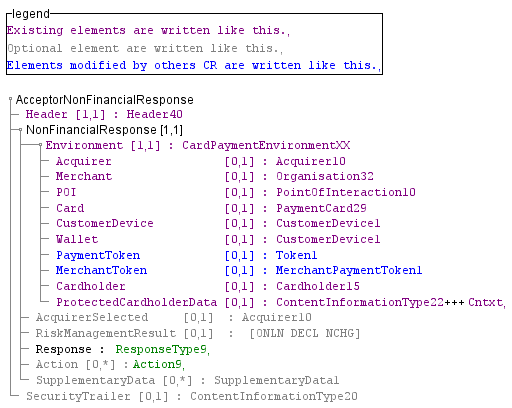
The diagram below highlights the proposed structure of the message schema.



* AcceptorNonFinancialResponse

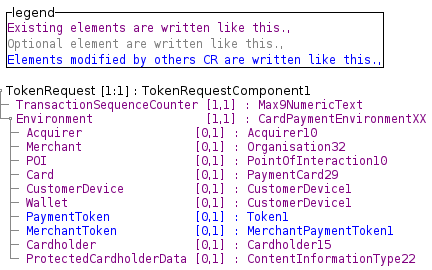
The response should provide the result of the requested services and the environment to provide tokens or PAR in the *Card* message element.

The diagram below highlights the proposed structure of the message schema.



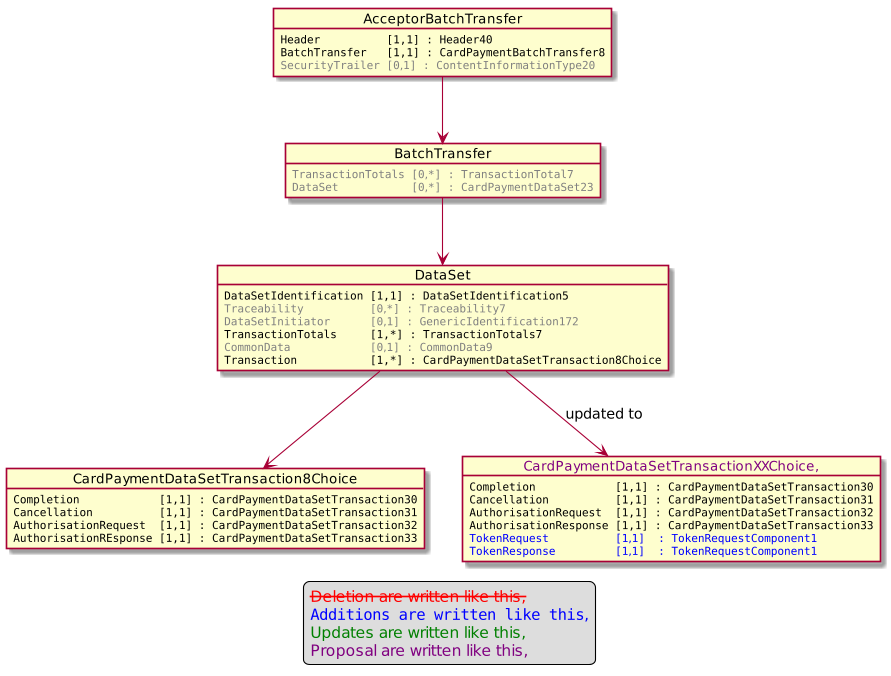
* TokenRequest through BatchTransfer

In order to manage a batch of token, we want to create a *TokenRequestComponent* message component which holds a *TransactionSeuquenceCounter* which might act as an identifier like in any other message component in a *CardPaymentDataSetTransaction8Choice* of a BatchTrasnfer.



The message component, which brings the response, is made with the same component.

Then, in order to allow request/response through the BatchTransfer message, we will update the *CardPaymentDataSetTransaction8Choice* with the following proposal.

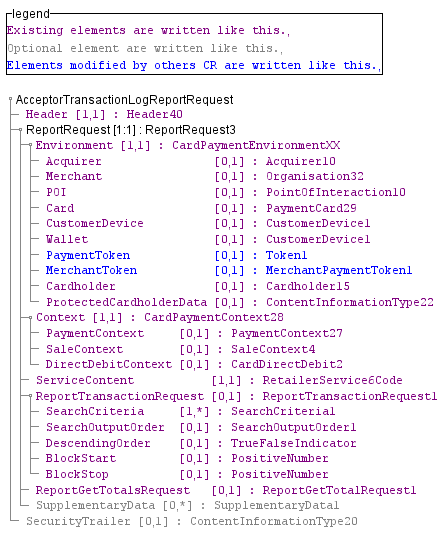


The BatchTransferResponse doesn't need to evolve since the *SequenceCounter* of the request could be set in the *RejectedTransaction*\*TransactionCounter* or *SuspendedTransaction*\*TransactionCounter* of the response.

* AcceptorTransactionLogReportRequest

The proposal aims to reuse a message defined in the casp domain.

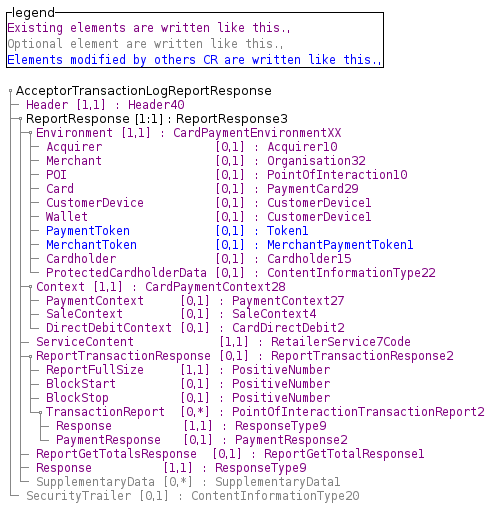
The diagram below highlights the proposed structure of the message schema.



* AcceptorTransactionLogReportResponse

Obviously, we follow the same idea for the response and reuse the message from casp domain.

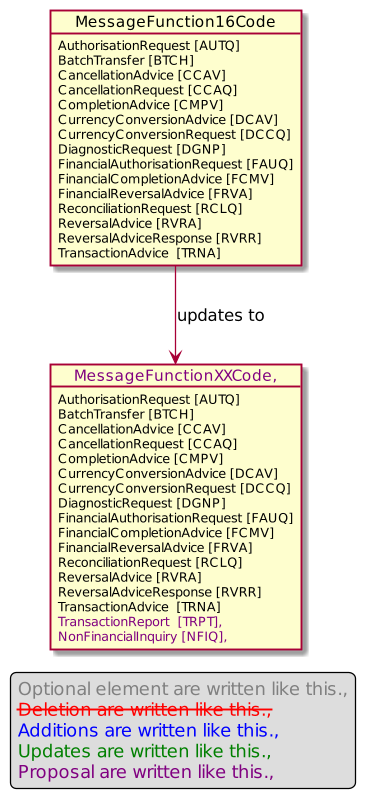
The diagram below highlights the proposed structure of the message schema.



* Update on TMS message

Then the TMS messages have to be updated in order to clearly identify which acquirer messages a POI may send to an acquirer.

This update only aims the *MessageToSend* message element of type *MessageFunction16Code* as highlighted by the following diagram.



## Urgency of the request:

Urgent.

## Business examples:

Examples illustrating the change request.

## 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: 2020/2021**  (the change will be considered for implementation in the yearly maintenance cycle which starts in 2018 and completes with the publication of new message versions in the spring of 2019) | | 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:

Cards SEG remark: The service description pre-acquiring is misleading.

|  |  |
| --- | --- |
| **Reject** |  |

Reason for rejection:

## Impact analysis and type of impact:

After additional reviews, we changed a little bit the NonFinancialRequest layout, in order to keep a common layout with other acquirer messages. This layout should also allows us to ease future maintenance. We also introduce the notion of *ServiceProvider,* to identify agent which support messages like *NonFinancialRequest,* consequently this information is also used directly in the *AcceptorConfigurationUpdate* message.

Additionally the creation of new Acquirer messages implies an update of the *MessageFunction41Code,* which will create by ripple effect an update of message component *Header58.*

The configuration of message supported by acquirer sent througth the TMS message is done by the creation of a new type of parameters *ServiceProviderParameters,* which we believe improves readability and future evolution. Consequently to this creation, we need to update the *DataSetCategory15Code* and *DataSetCategory11Code* in order to support delegation for this kind of parameters.

The analysis of ripple effects of these changes provides the following list.

CardPaymentDataSetTransaction8Choice

* Already managed by previous Change Request.

MessageFunction40Code

* AcquirerHostConfiguration7
  + AcquirerProtocolParameters13

MessageFunction41Code

* Header58
  + AcceptorAuthorisationRequestV09
  + AcceptorAuthorisationResponseV09
  + AcceptorCompletionAdviceV09
  + AcceptorCompletionAdviceResponseV08
  + AcceptorCancellationRequestV09
  + AcceptorCancellationResponseV08
  + AcceptorCancellationAdviceV09
  + AcceptorCancellationAdviceResponseV08
  + AcceptroReconciliationRequestV08
  + AcceptorReconciliationResponseV07
  + AcceptorDiagnosticRequestV08
  + AcceptorDiagnosticResponseV07
  + AcceptorCurrencyConversionRequestV07
  + AcceptorCurrencyConversionResponseV07
  + AcceptorCurrencyConversionAdviceV04
  + AcceptorCurrencyConversionAdviceResponseV03
  + TransactionAdviceV01
  + TransactionAdviceResponseV01

DataSetCategory15Code

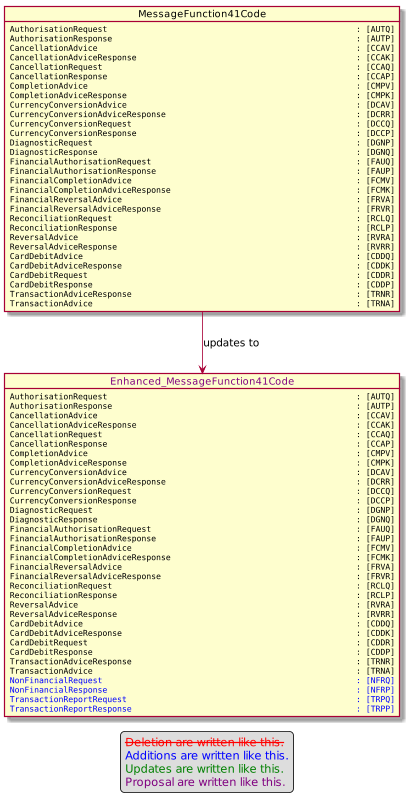
* MaintenanceDelegation10

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”).

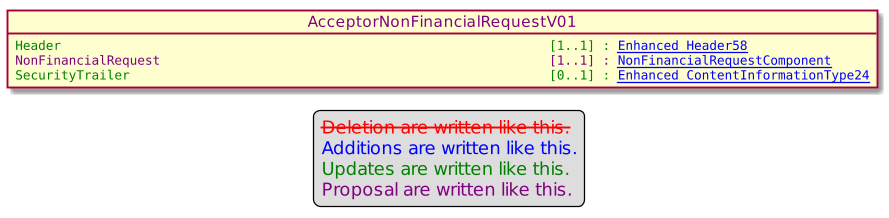
|  |  |  |
| --- | --- | --- |
| Type of impact | | |
|  | No impact | The change(s) will not impact the schema (the version number will not change) and will not impact the business applications of any users, e.g. the clarification of a definition |
| X | Conditional | The change(s) will impact the schema (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. |

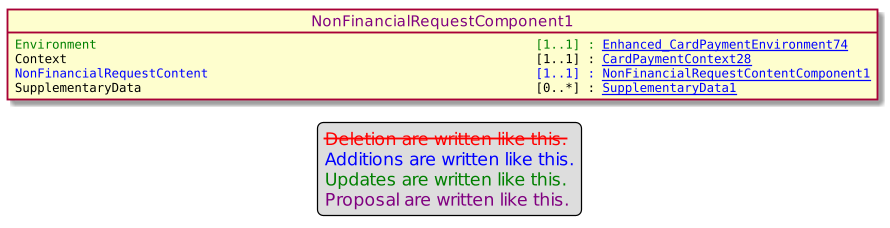
## Proposed implementation:

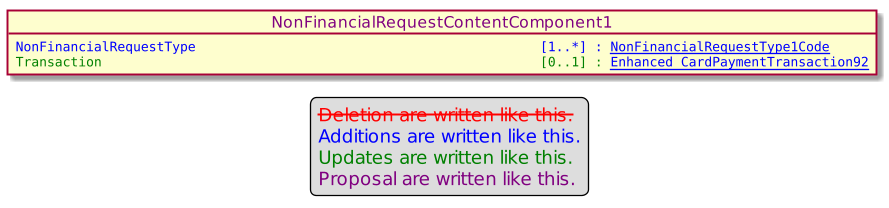
Update of the *MessageFunction41Code.*

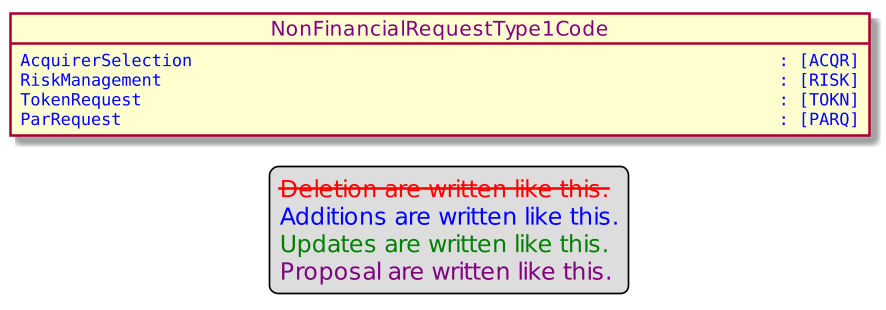


The new message *NonFinancialRequest* is described by the following diagrams.

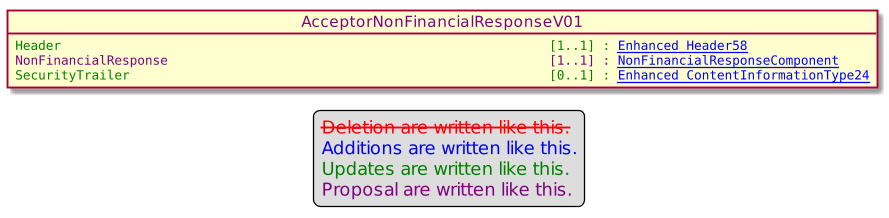


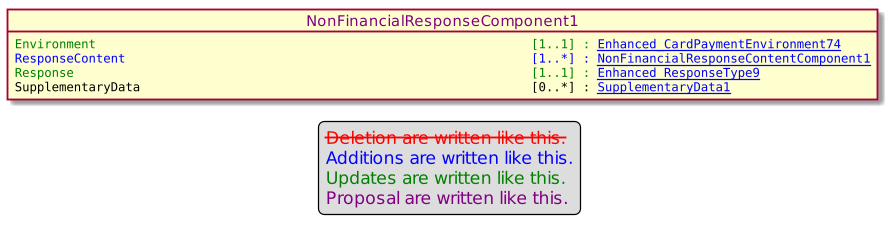


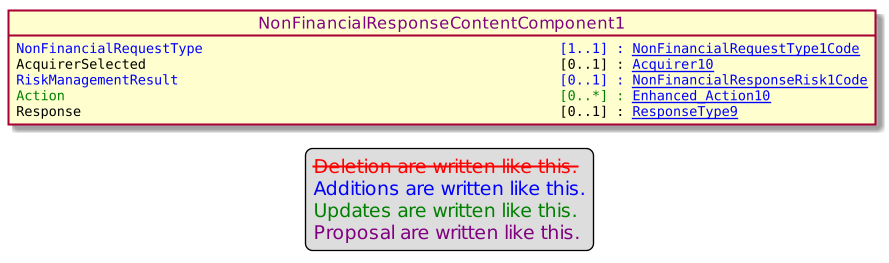


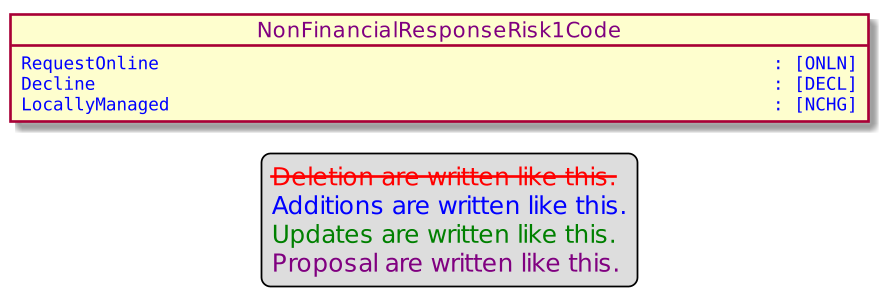


The new message *NonFinancialResponse* is described by the following diagrams.

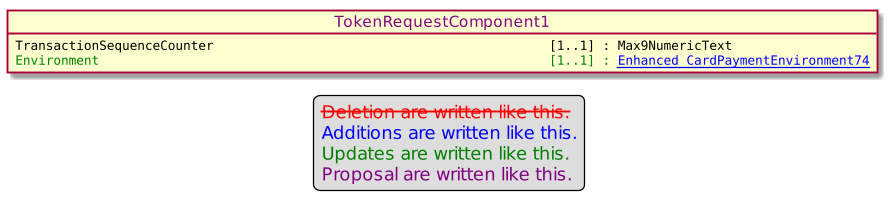




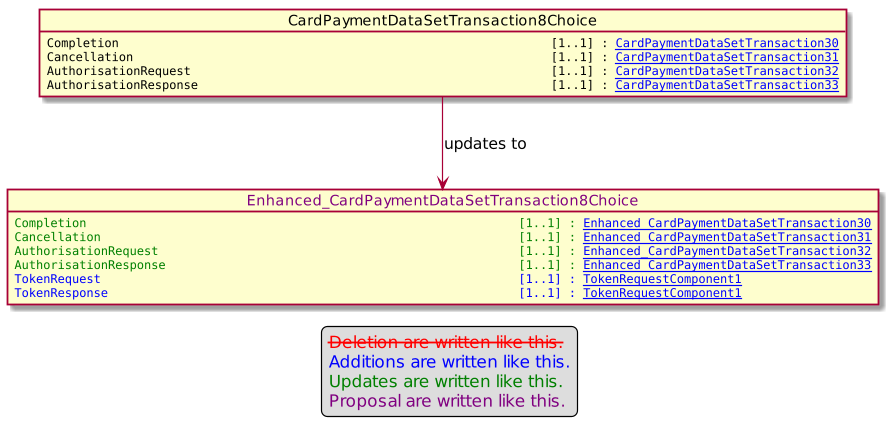




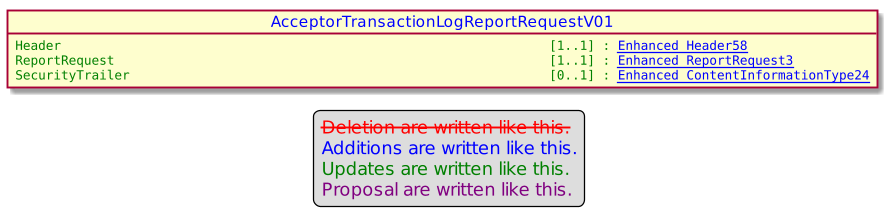
The message component *TokenRequestComponent* is created accordingly to the approved Change Request.



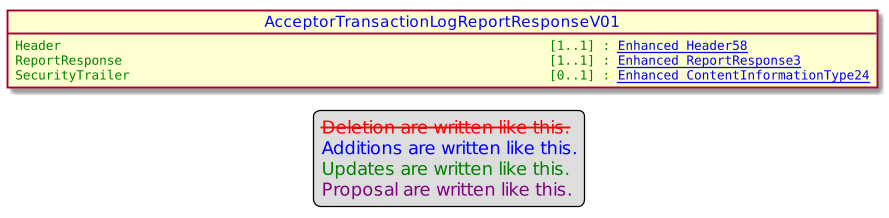
Then the *CardPaymentDataSetTransaction8Choice* is enhanced to add 2 new message elements as highlighted here.



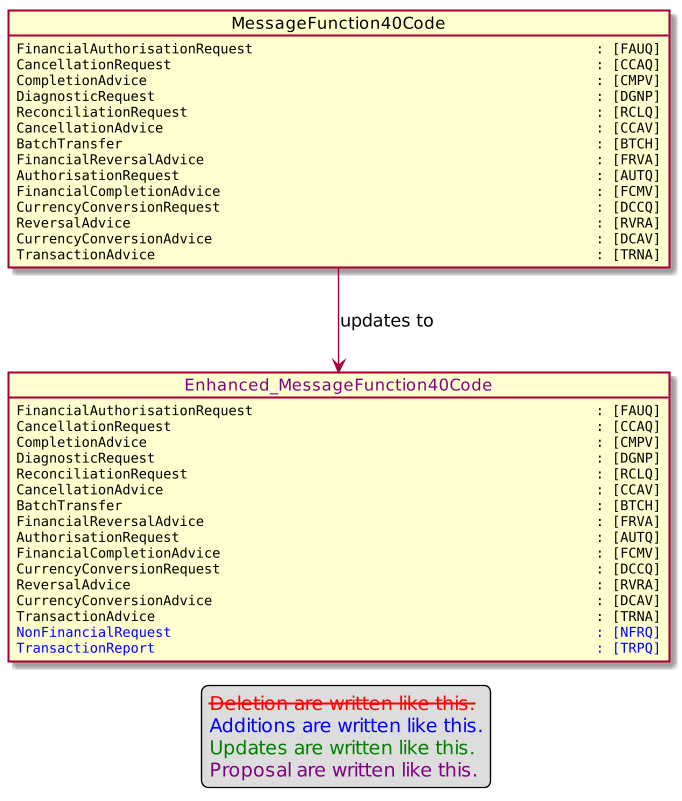
The new message *AcceptorTransactionLogReportRequest* is created accordingly to the approved Change Request.



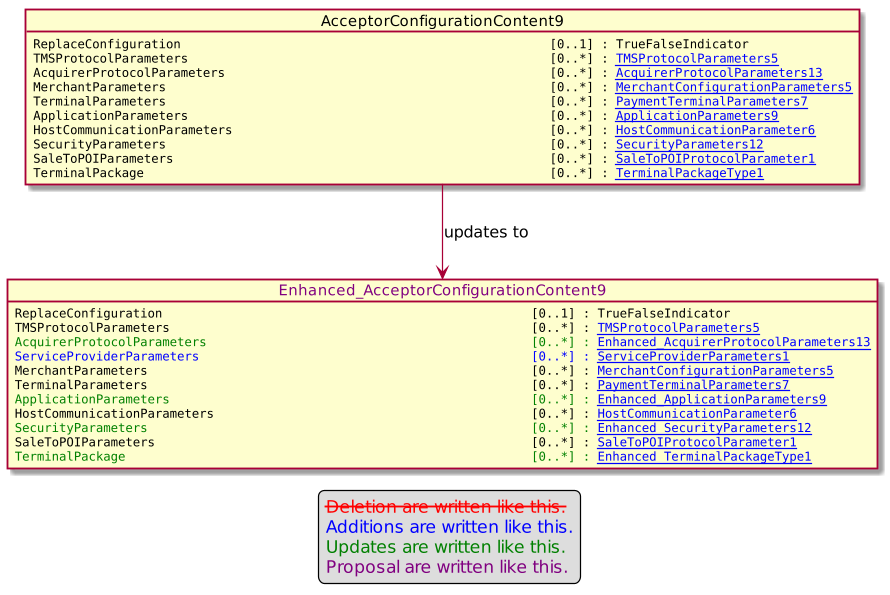
And the same policy is applied to the *AcceptorTransactionLogReportResponse*.

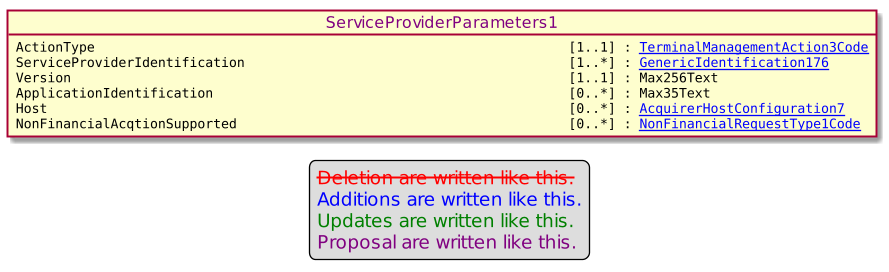


Regarding the message component *MessageFunction40Code* used in TMS messages to identify *MessageToSend* we changed a little bit some codeset and values in order to be compliant with previous naming conventions.

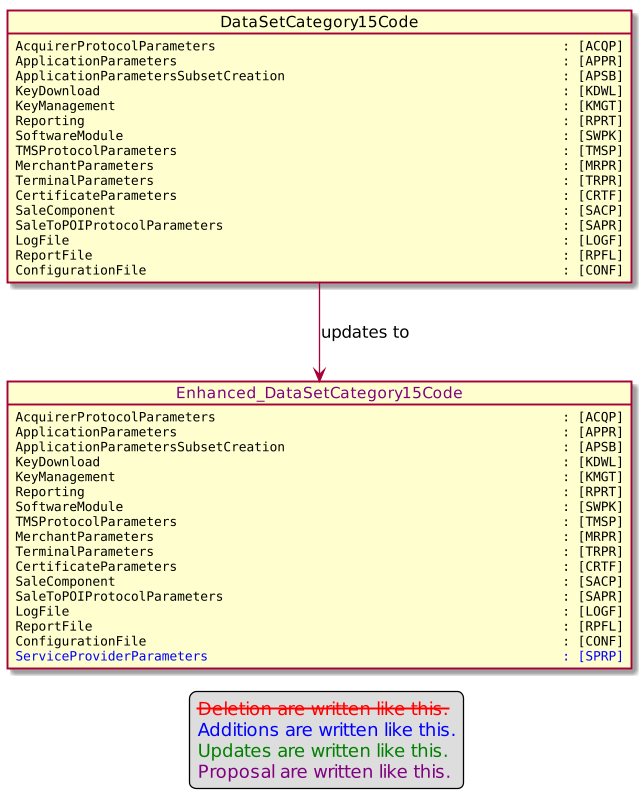


Then the introduction of the *ServiceProvider* is done with the update of the message component *AcceptorConfigurationContent9* and the creation of *ServiceProviderParameters.*





Finally the update of *DataSetCategory15Code* provides the following component.



## 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:~~ |

## 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 |  |

Comments:

|  |  |
| --- | --- |
| Reject |  |

**Reason for rejection:**

# Change request number 0873 – Nexo catm POI Group

**Copy of the approved change request:**

## Origin of the request:

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

*A.2 Contact person:* Philippe CECE ([Philippe.cece@ingenico.com](mailto:Philippe.cece@ingenico.com)) / Pierre MOURA ([pierre.moura@frenchsys.com](mailto:pierre.moura@frenchsys.com))

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

## Related messages:

* StatusReport V09 catm 001.001.09
* AcceptorConfigurationUpdate V09 catm 003.001.09

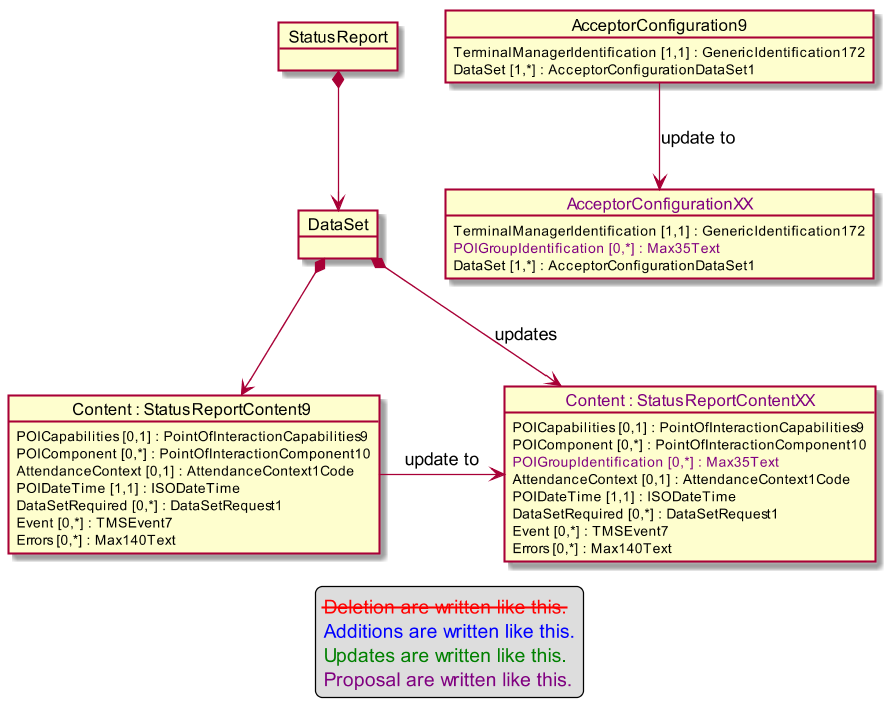
## Description of the change request:

In some use cases, the MTM may have to dynamically managed POIs. In that case, the POI is dynamically inserted in the MTM realm. This kind of management could be done, if the MTM is able to dynamically associate the POI to at least one group of POI in order to identify the parameters it has to send back.

The aim of this Change Request is to provide such management.

## Purpose of the change:

In order to achieve this, we would like to add a message *POIGroupIdentification* as multiple *Max35Text* values. These values are optionally sent in a *StatusReport* and a *AcceptorConfigurationUpdate* as highlighted by the following diagram*.*



## Urgency of the request:

Urgent.

## Business examples:

Examples illustrating the change request.

## 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: 2020/2021**  (the change will be considered for implementation in the yearly maintenance cycle which starts in 2020 and completes with the publication of new message versions in the spring of 2021) | | 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:

## Impact analysis and type of impact:

The update will be done according to the approved Change Request.

The analysis of the ripple effects is quite simple since these 2 message components are aimed by previous Change Requests.

StatusReportContent9

* Already changed by previous Change Request.

AcceptorConfiguration9

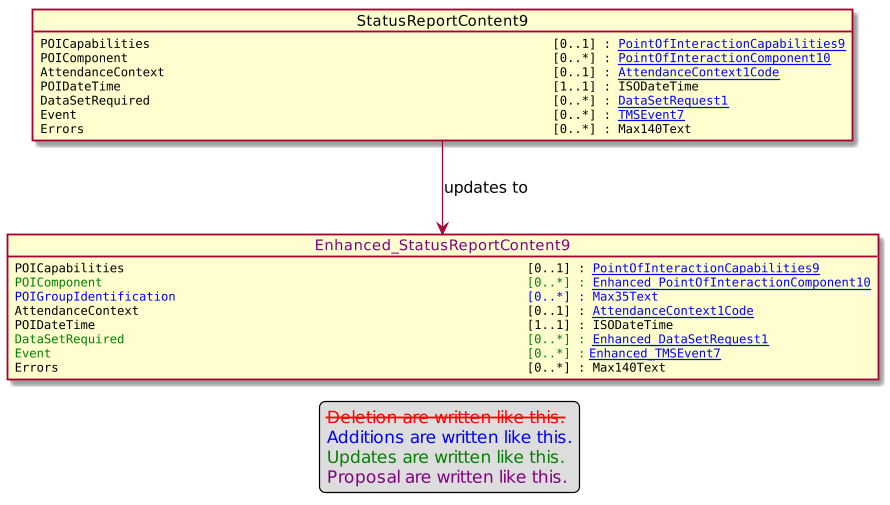
* Already changed by previous Change Request.

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”).

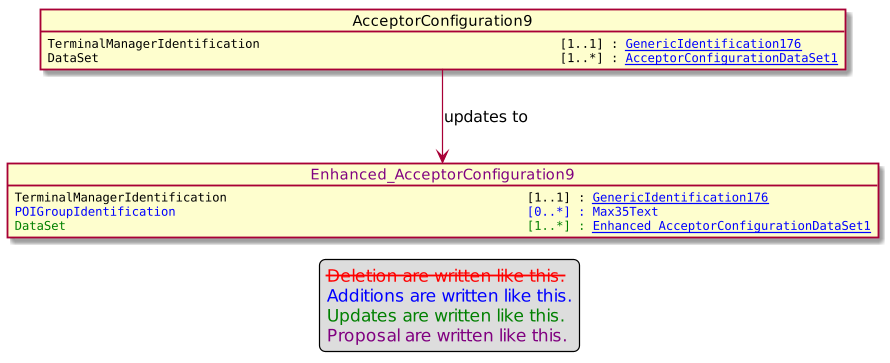
|  |  |  |
| --- | --- | --- |
| Type of impact | | |
|  | No impact | The change(s) will not impact the schema (the version number will not change) and will not impact the business applications of any users, e.g. the clarification of a definition |
| X | Conditional | The change(s) will impact the schema (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. |

## Proposed implementation:

The *StatusReportContent* will be changed to the following diagram.



The message component *AcceptorConfiguration9* will be changed with the following diagram.



## 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:~~ |

## 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 |  |

Comments:

|  |  |
| --- | --- |
| Reject |  |

**Reason for rejection:**

# Change request number 0874 – Nexo catm Process Timing

**Copy of the approved change request:**

## Origin of the request:

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

*A.2 Contact person:* Philippe CECE ([Philippe.cece@ingenico.com](mailto:Philippe.cece@ingenico.com)) / Pierre MOURA ([pierre.moura@frenchsys.com](mailto:pierre.moura@frenchsys.com))

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

## Related messages:

* ManagementPlanReplacement V08 catm 002.001.008
* AcceptorConfigurationUpdate V09 catm 003.001.09
* MaintenanceDelegationRequest V06 catm 005.001.006

## Description of the change request:

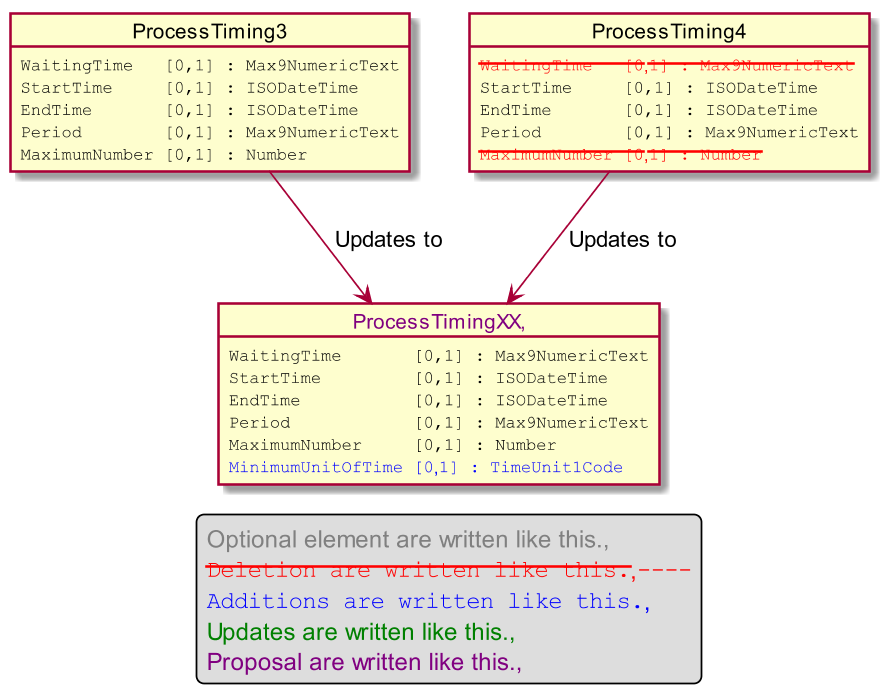
In the current protocol definition, Minute is the lowest definition of time. But in order to fasten certification steps and tests, we would like to change waiting time and period description to take second into account.

The aim of this Change Request is to provide such management.

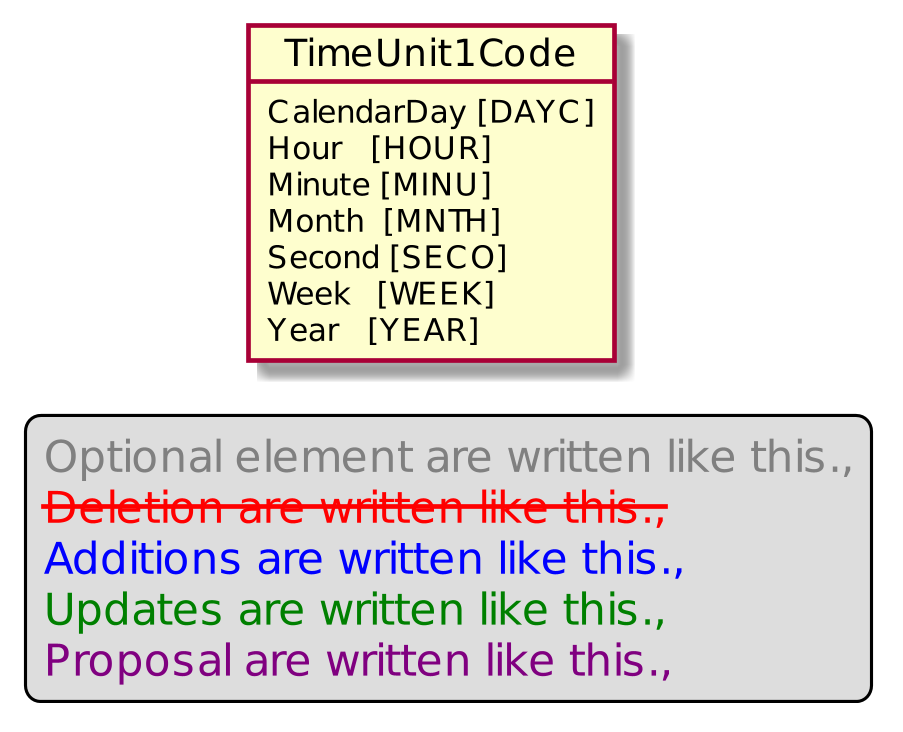
## Purpose of the change:

First, in order to keep backward compatibility, we would like to add a code set named *MinimumUnitOfTime* defined as *Identification of the smallest unit used in time settings* with multiplicity *[0,1]* and defined as a *TimeUnit1Code* in *ProcessTiming4* and *ProcessTiming3.*

Secondly, since they only differ by optional elements, we would like to simplify the repository management by simplifying the use of *ProcessTiming3* and *ProcessTiming4* to a unique message component as highlighted by the following diagram*.*



*TimeUnit1Code* already exists in the repository and provides the necessary information. Irrelevant values will be identified in the MUG.



## Urgency of the request:

Urgent.

## Business examples:

Examples illustrating the change request.

## 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: 2020/2021**  (the change will be considered for implementation in the yearly maintenance cycle which starts in 2020 and completes with the publication of new message versions in the spring of 2021) | | 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:

## Impact analysis and type of impact:

After an additional meeting, it has been decided to name the new message element of *ProcessTiming* message component, *UnitOfTime* rather than *MinimUnitOfTime.*

We decided to keep also an update of *ProcessTiming4* and not only manage one message component for this 2 use cases.

Finally, we also realise that we need to update also the message component *ProcessRetry2* too.

The ripple effect of changes gives the following list.

ProcessTiming3

* TMSAction8

ProcessTiming4

* ExchangeConfiguration8
  + AcquirerProtocolExchangeBehavior1
    - AcquirerProtocolParameters13
  + AcquirerProtocolParameters13

ProcessRetry2

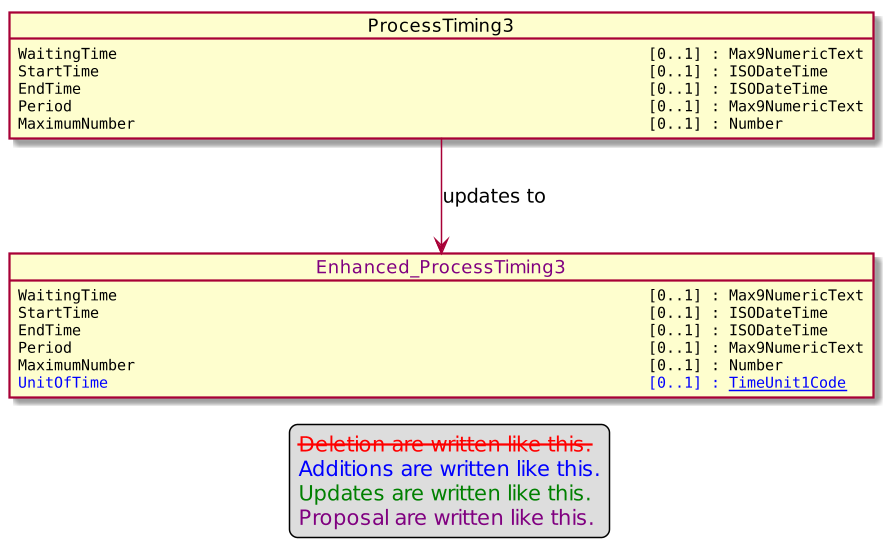
* ExchangeConfiguration8
* MaintenanceDelegation5
* TMSAction8

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”).

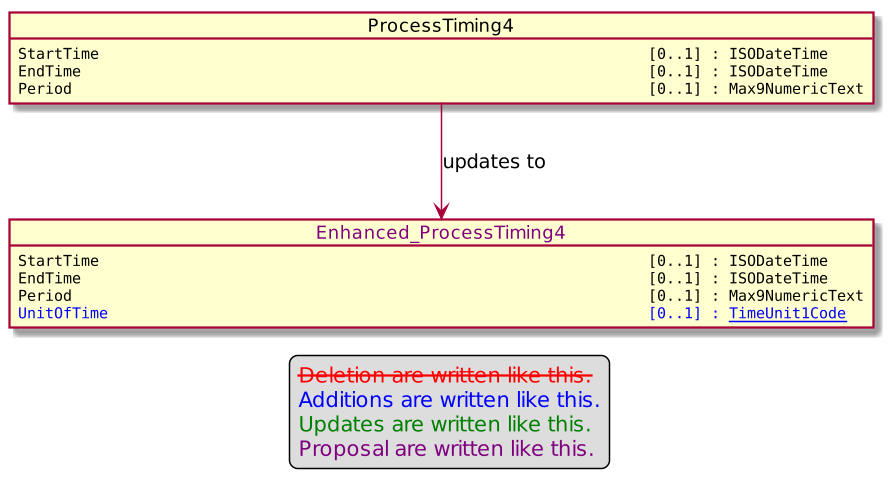
|  |  |  |
| --- | --- | --- |
| Type of impact | | |
|  | No impact | The change(s) will not impact the schema (the version number will not change) and will not impact the business applications of any users, e.g. the clarification of a definition |
| X | Conditional | The change(s) will impact the schema (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. |

## Proposed implementation:

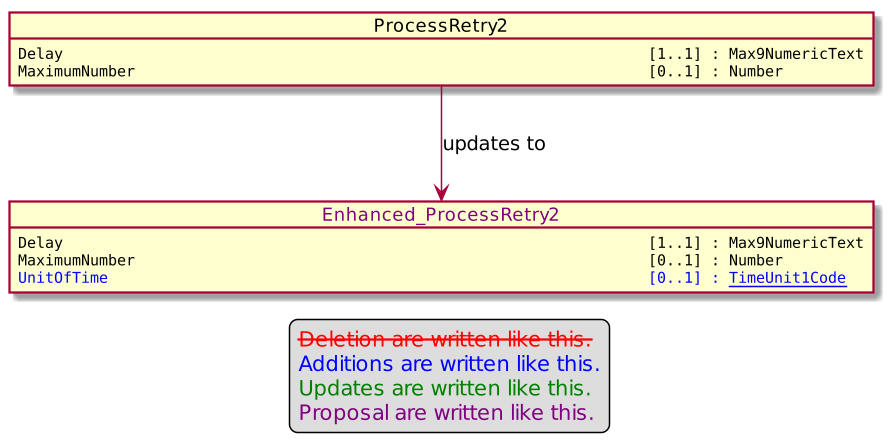
The *ProcessTiming3* will be updated according to the following diagram.



The *ProcessTiming4* will be updated according to the following diagram.



And the *ProcessRetry2* will be updated according to this diagram.



## 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:~~ |

## 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 |  |

Comments:

|  |  |
| --- | --- |
| Reject |  |

**Reason for rejection:**

# Change request number 0875 – Nexo catm Reservation Settings

**Copy of the approved change request:**

## Origin of the request:

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

*A.2 Contact person:* Philippe CECE ([Philippe.cece@ingenico.com](mailto:Philippe.cece@ingenico.com)) / Pierre MOURA ([pierre.moura@frenchsys.com](mailto:pierre.moura@frenchsys.com))

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

## Related messages:

* AcceptorConfigurationUpdate V09 catm 003.001.09
* MaintenanceDelegationRequest V06 catm 005.001.06

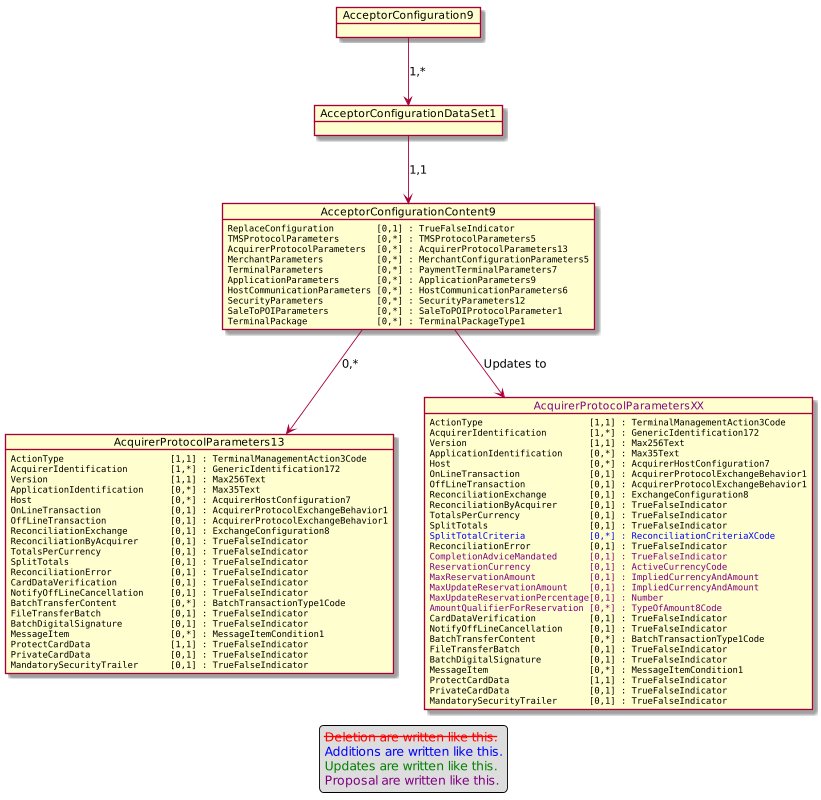
## Description of the change request:

In regards of Reservation, some acquirers may expect to receive a completion advice message after each reservation update, and a maximum amount might be set for reservation update too.

The aim of this Change Request is to back these functions.

## Purpose of the change:

In order to achieve this, we would like to update the *AcquirerProtocolParameters13* by adding new elementsas highlighted by the following diagram*.*



## Urgency of the request:

Urgent.

## Business examples:

Examples illustrating the change request.

## 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: 2020/2021**  (the change will be considered for implementation in the yearly maintenance cycle which starts in 2020 and completes with the publication of new message versions in the spring of 2021) | | 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:

## Impact analysis and type of impact:

After an additional meeting, since it is rather linked at the application level rather than the protocol level, we decided to not add the following message elements :

* ReservationCurrency
* MaxReservationAmount
* MaxUpdateReservationAmount
* MaxUpdateReservationPercentage.

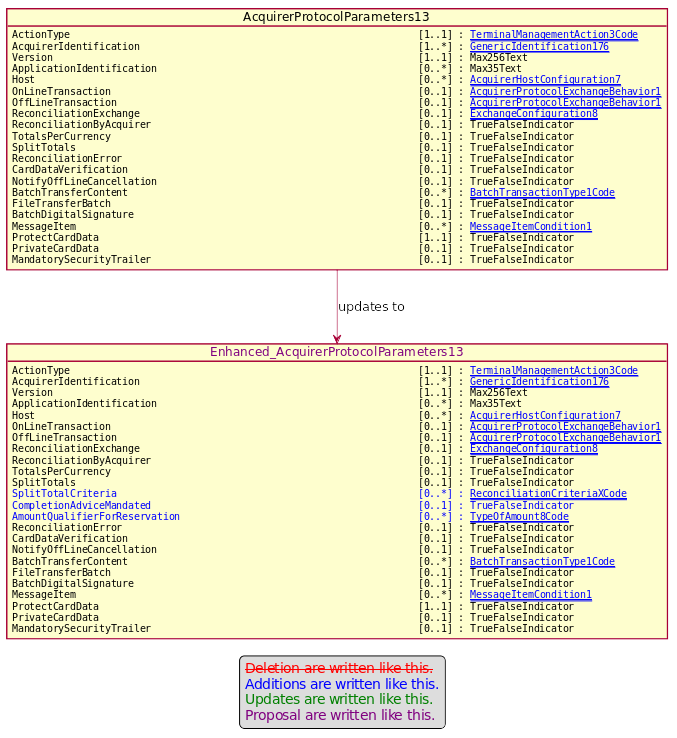
The other 2 elements will be managed according to the approved Change Request.

Since the modifications aim *AcquirerProtocolParameters13* which is already aimed by previous Change Request, there is no need to check the ripple effect analysis.

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. |

## Proposed implementation:



## 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:~~ |

## 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 |  |

Comments:

|  |  |
| --- | --- |
| Reject |  |

**Reason for rejection:**

# Change request number 0876 – Nexo catm Sale To POI Parameters

**Copy of the approved change request:**

## Origin of the request:

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

*A.2 Contact person:* Philippe CECE ([Philippe.cece@ingenico.com](mailto:Philippe.cece@ingenico.com)) / Pierre MOURA ([pierre.moura@frenchsys.com](mailto:pierre.moura@frenchsys.com))

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

## Related messages:

* MaintenanceDelegationRequest V06 catm 005.001.06
* MaintenanceDelegationResponse V04 catm 006.001.04

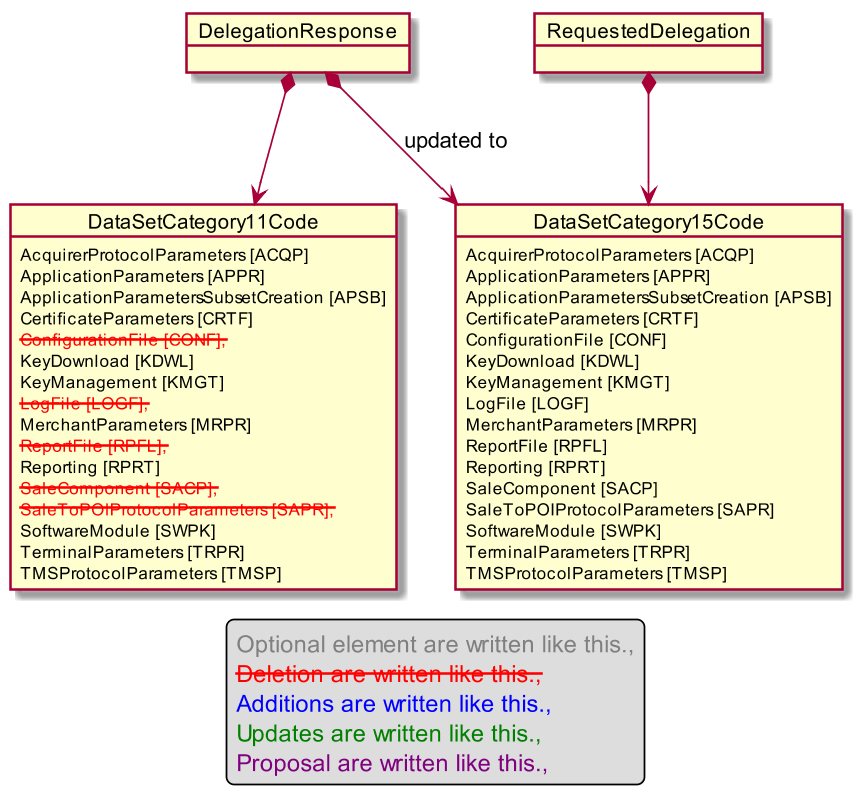
## Description of the change request:

We discovered an error in the delegation parameters management. Indeed, if we are able to ask for delegation of some parameters like the SaleToPOIParameters, we are not able to receive the answer.

The aim of this Change Request is to correct this.

## Purpose of the change:

In order to achieve this, we would like to correct *DelegationResponse* to point to the correct *DataSetCategory15Code* as highlighted by the following diagram*.*



## Urgency of the request:

Urgent.

## Business examples:

Examples illustrating the change request.

## 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: 2020/2021**  (the change will be considered for implementation in the yearly maintenance cycle which starts in 2020 and completes with the publication of new message versions in the spring of 2021 | | 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:

## Impact analysis and type of impact:

As seen in a previous Change Request, *DataSetCategory15Code* has been updated too, so we have to use this update in the message component *MaintenanceDelegation9.*

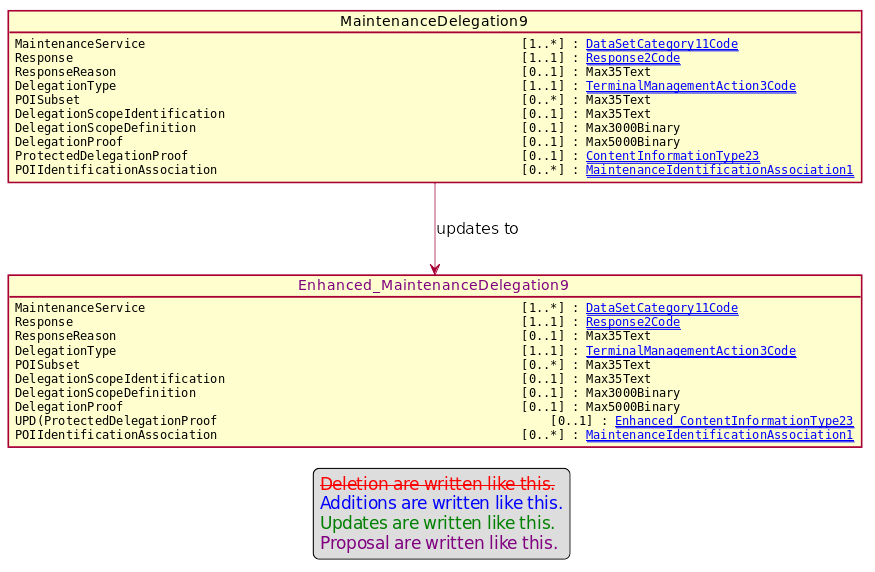
The analysis of the ripple effect provides a unique message component *MainteanceDelegationResponse4* which is already aimed by another Change Request.

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. |

## Proposed implementation:

The *MaintenceDelegation9* will be changed accordingly to the following diagram.



## 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:~~ |

## 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 |  |

Comments:

|  |  |
| --- | --- |
| Reject |  |

**Reason for rejection:**

# Change request number 0877 – Nexo catm Split Message

**Copy of the approved change request:**

## Origin of the request:

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

*A.2 Contact person:* Philippe CECE ([Philippe.cece@ingenico.com](mailto:Philippe.cece@ingenico.com)) / Pierre MOURA ([pierre.moura@frenchsys.com](mailto:pierre.moura@frenchsys.com))

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

## Related messages:

* StatusReport V09 catm 001.001.09
* ManagementPlanReplacement V08 catm 002.001.08
* AcceptorConfigurationUpdate V09 catm 003.001.09
* MaintenanceDelegationRequest V06 catm 005.001.06

## Description of the change request:

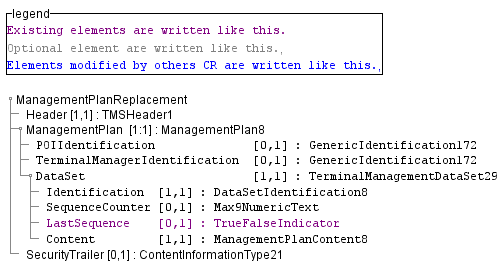
In some architectures it might be interesting to be able to split a message in multiple smaller ones. Though this functionality was currently possible in the messages listed above, we believe that the current solution might be in some circumstances unreliable since we are not able to identify how many messages we will receive or to identify the last one.

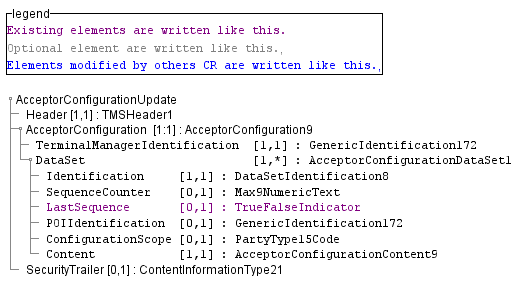
Additionnaly we realised that if some containers, that the *AcceptorConfigurationUpdate* has to vehicle, are too big, then the message might not be sent due to excessive length for the communication media. Then we need to provide a way to split these contianers in smaller chunks.

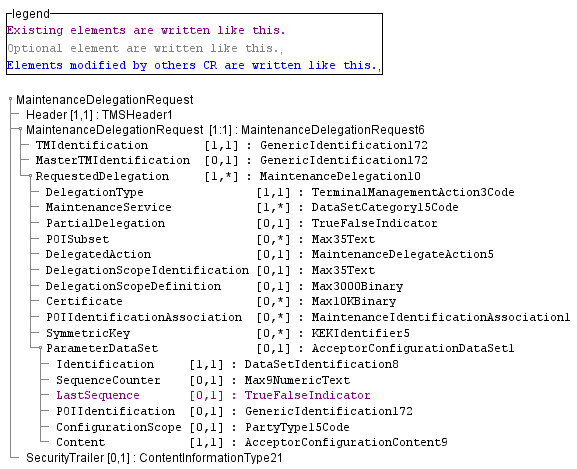
The aim of this Change Request is to correct these lacks.

## Purpose of the change:

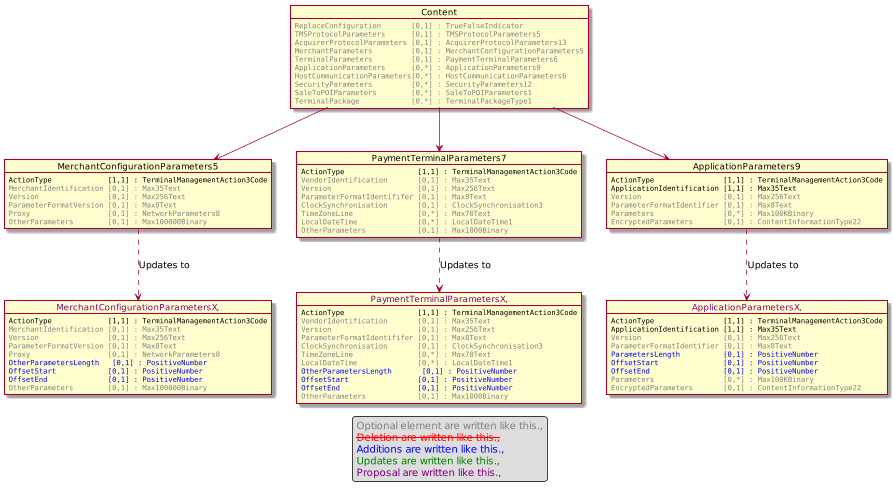
In order to identify the lost of the penultimate message, we would like to add just after the *SequenceCounter* the message element *LastSequence* defined as *Indication of the last sequence in case of split messages,* with multiplicity [0,1]and type *TrueFalseIndicator.* Then the messages will be updated according to the following diagrams*.*







Finally, in order to divide containers in smaller parts, as depicted in the following diagram, we would like to reuse the same model than we used last year with the *TerminalPackages* by the addition of 3 new message elements,one to identify the full length and *OffsetStart*, *OffsetEnd* to identify where this part resides.



## Urgency of the request:

Urgent.

## Business examples:

Examples illustrating the change request.

## 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: 2020/2021**  (the change will be considered for implementation in the yearly maintenance cycle which starts in 2020 and completes with the publication of new message versions in the spring of 2021) | | 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:

## Impact analysis and type of impact:

Regarding the addition of a new message element named *LastSequence,* this change will also apply on *StatusReport* message.

Otherwise modifications will be done accordingly to the approved Change Request.

The analysis of ripple effect provides the following list.

StatusReportDataSetRequest1

* StatusReport9

TerminalManagementDataSet29

* ManagementPlan8

AcceptorConfigurationDataSet1

* AcceptorConfiguration9
* MaintenanceDelegation10

MerchantConfigurationParameters5

* AcceptorConfigurationContent9

PaymentTerminalParameters7

* AcceptorConfigurationContent9

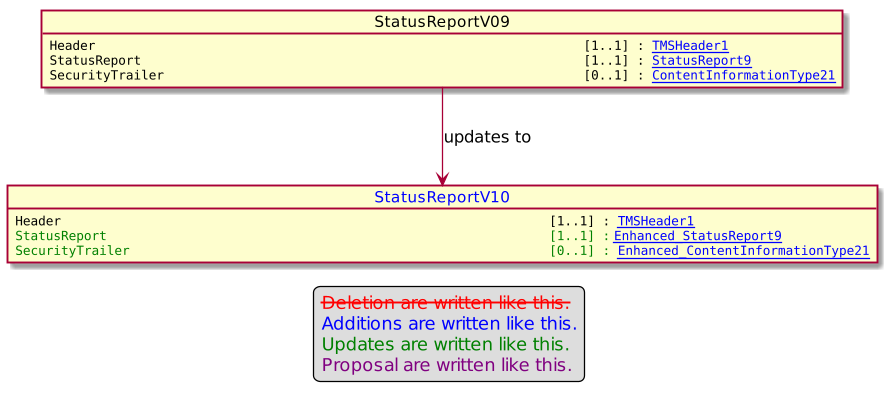
ApplicationParameters9

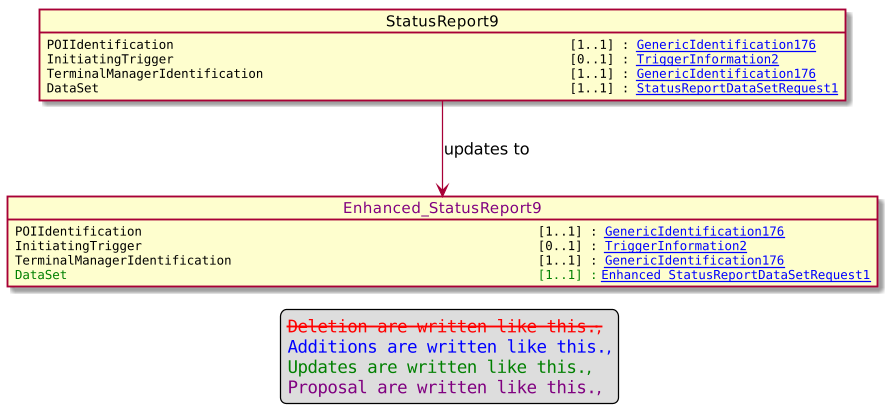
The severity of the impact of the proposed change for the message users should be indicated in the table below (either “no impact”, “conditional’ or “mandatory”).

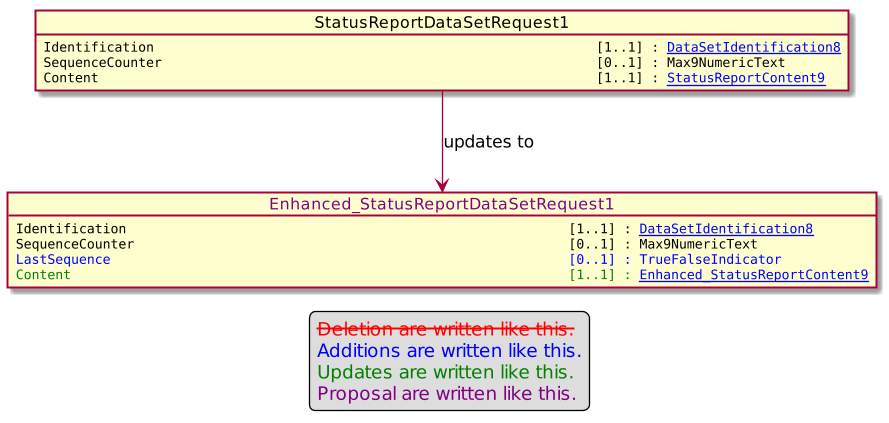
|  |  |  |
| --- | --- | --- |
| Type of impact | | |
|  | No impact | The change(s) will not impact the schema (the version number will not change) and will not impact the business applications of any users, e.g. the clarification of a definition |
| X | Conditional | The change(s) will impact the schema (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. |

## Proposed implementation:

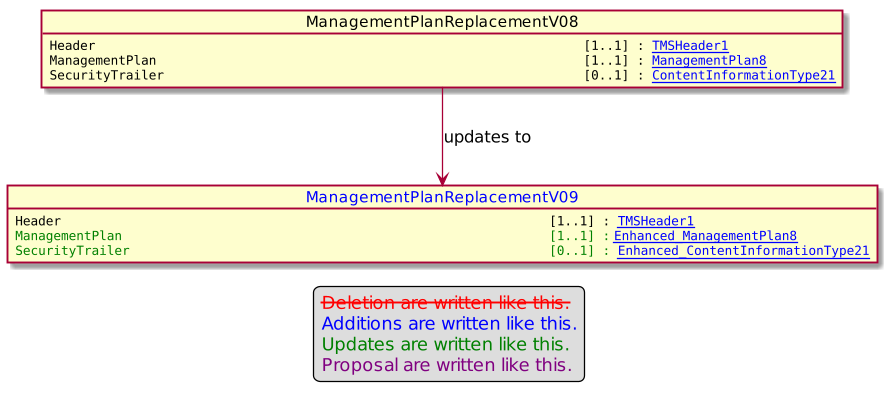
After modifications, the *StatusReport* message will look like the following diagrams.

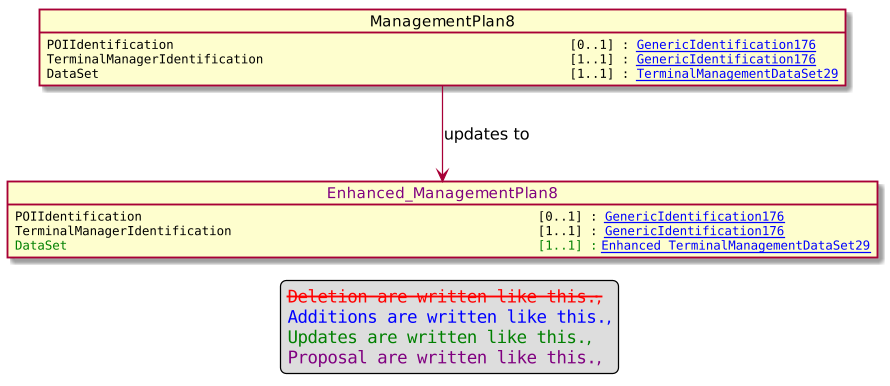


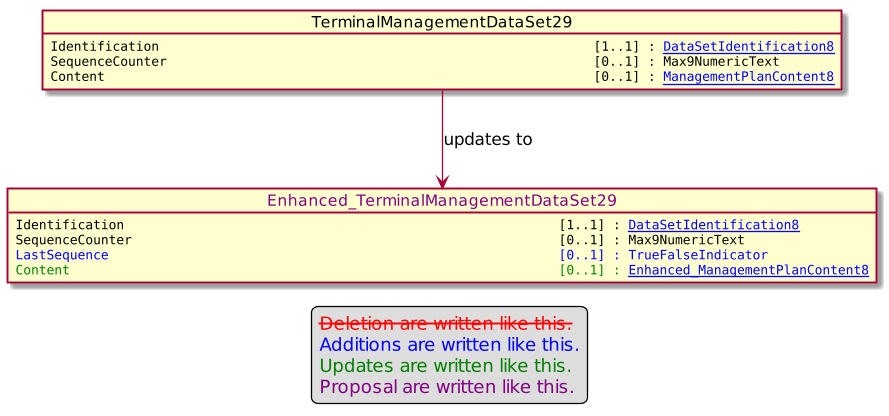




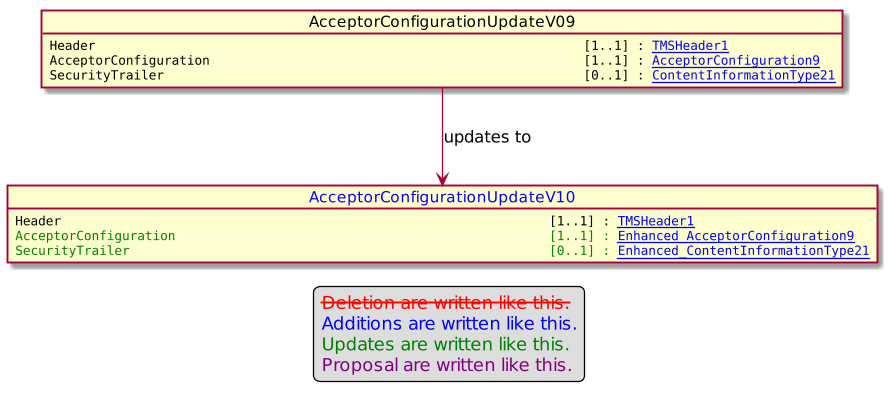
After modifications, the *ManagementPlanReplacement* message will look like the following diagrams.

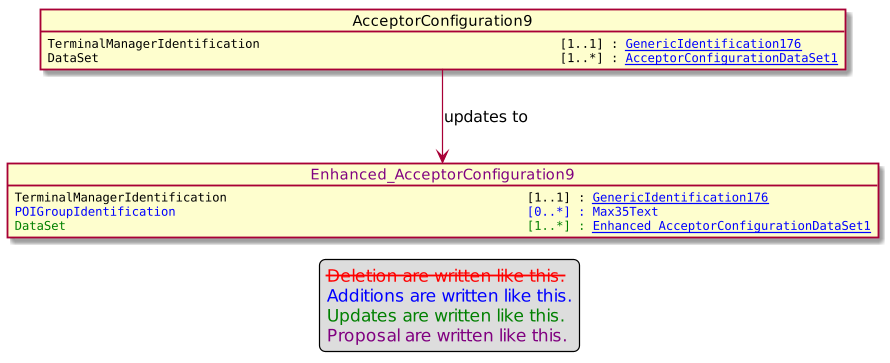


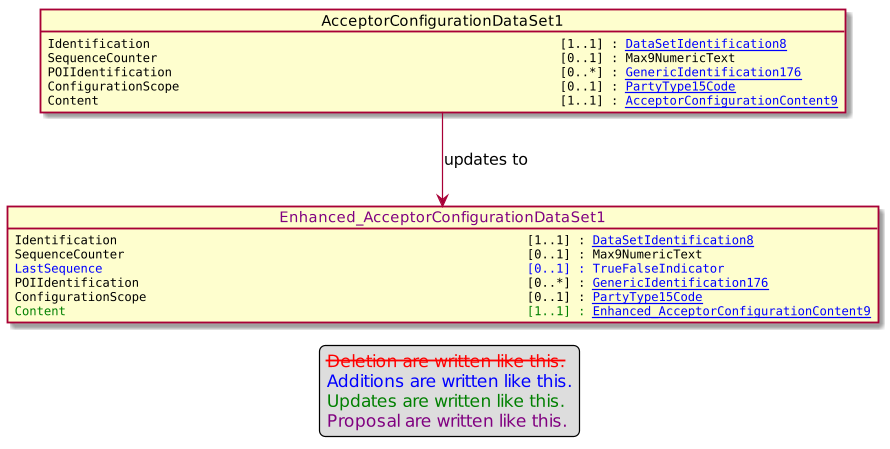




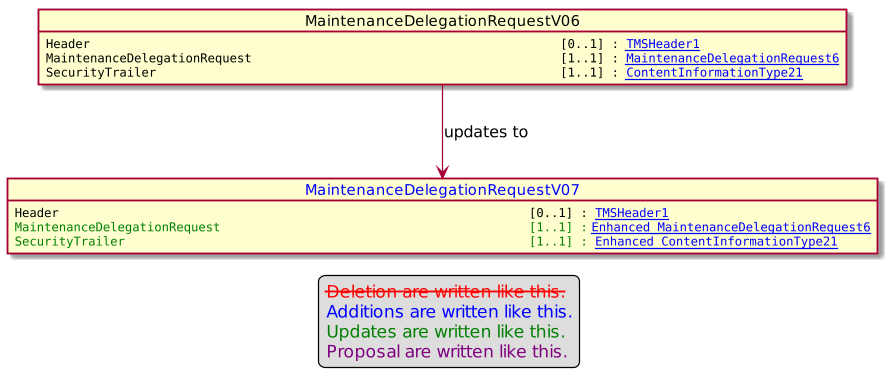
After modifications, the *AcceptorConfigurationUpdate* message will look like the following diagrams.

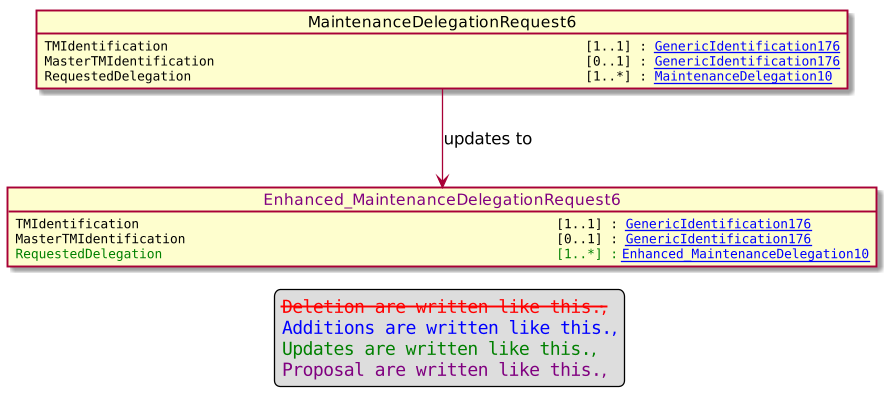


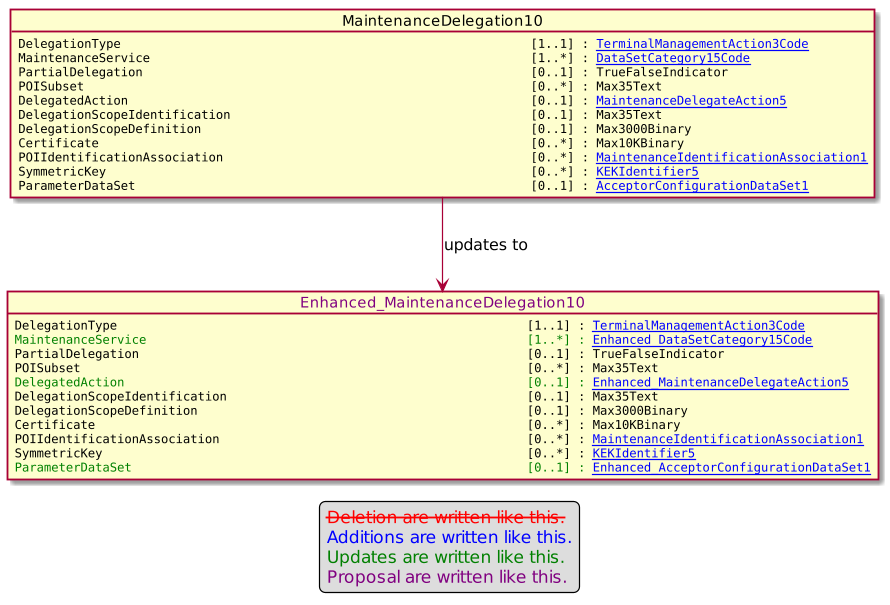


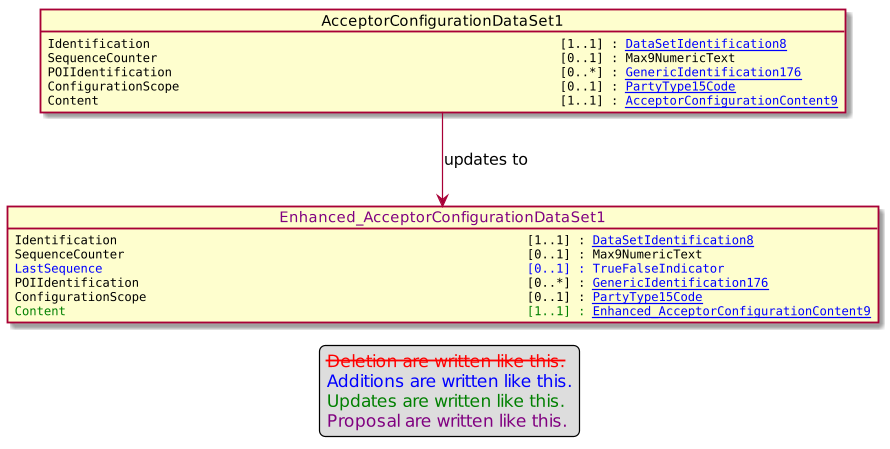


After modifications, the *MaintenanceDelegationRequest* message will look like the following diagrams.

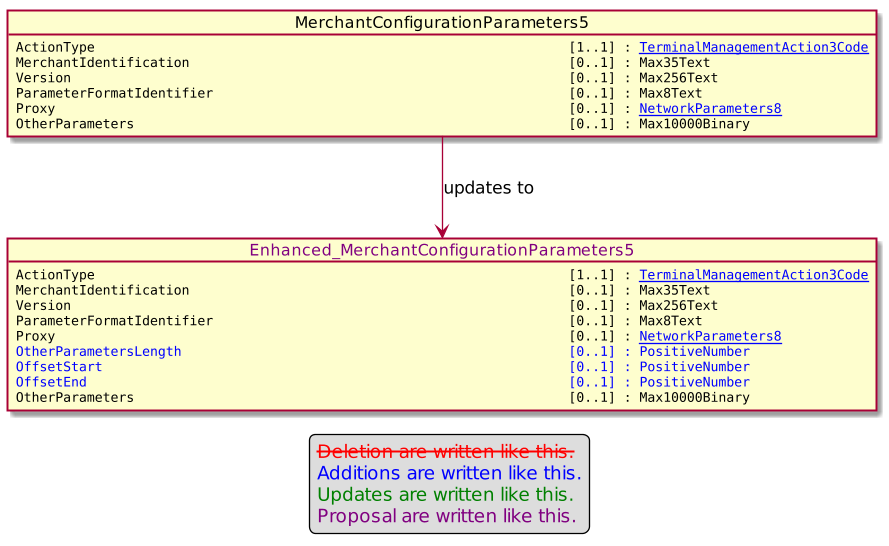




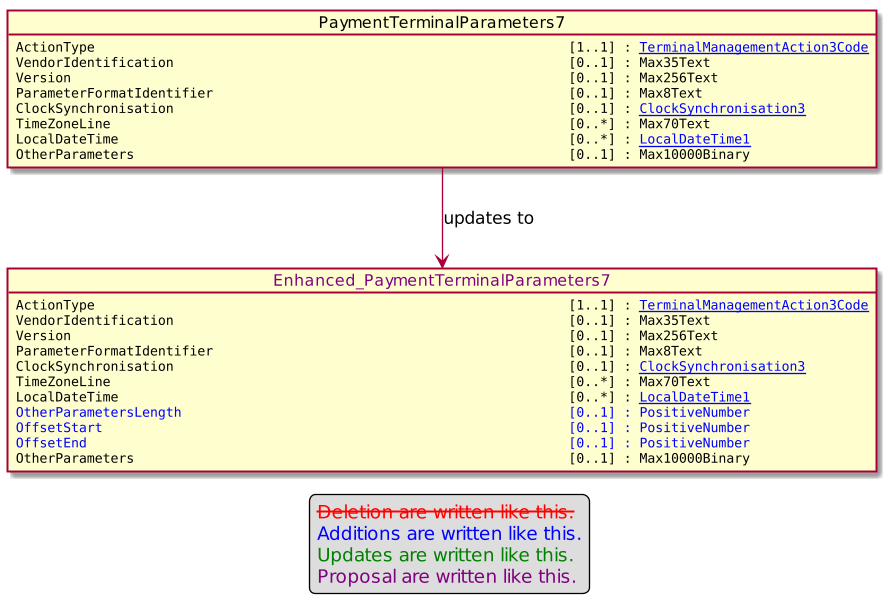




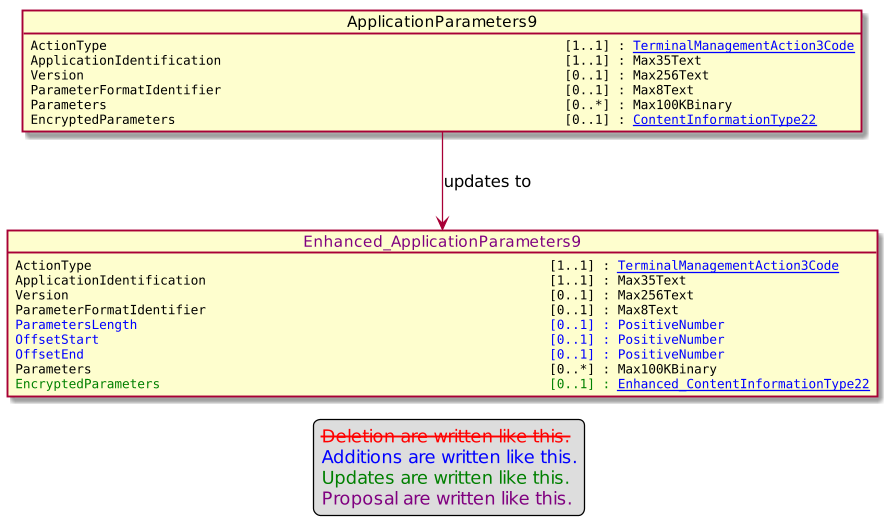
The *MerchantConfigurationParameters5* will be updated accroding to the following diagram.



The *PaymentTerminalParameters7* will be updated according to the diagram.



Finally the *ApplicationParameters9* will be updated according to the following diagram.



## 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:~~ |

## 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 |  |

Comments:

|  |  |
| --- | --- |
| Reject |  |

**Reason for rejection:**

# Modifications done during repository update.

OutputFormatXCode was not created since OutputFormatCode already exists in the repository. The codeset has been renamed ResourceTypeCode.

For IssuerAndSerialNumber2, the message element SerialNumber has been set to Max500Binary.

CompletionExchange10 was created from CompletionExchange7 in order to correct an unsoillicited modification from last year on AcquirerProtocolExchangeBehavior1. Consequently, the AcquirerProtocolExchangeBehavior2 has been corrected.

MessageFunction40Code reused the codeset value TransactionReportRequest rather than created a new one.

# Modifications done during second repository update.

The 2 messages:

* *AcceptorTransactionLogReportRequest*
* *AcceptorTransactionLogReportResponse*

Have been created again in order to be part of this maintenance step as identified in the MCR.

They are inserted in the new message set *Card Payments Exchanges – AcceptorToAcquirer – DRAFT2 – New version*. The previous drafts of messages are also inserted in this new message set.

A new message set is created with the name *Card Sale to POI – Merchant to Acceptor – DRAFT 2 – New version*.

The message component *ReversalResponse4* is updated to a new component *ReversalResponse5* in order to correct the size of the message element *IssuerReferenceData* from *Max35Text* to *Max140Text*.

Then the ripple effect management leads to the following changes.

The message component *MessageStatusResponseData4* is updated to *MessageStatusResponseData5* in order to reuse the new *ReversalResponse5*. Consequently, the *MessageStatusResponse4* is update to *MessageStatusReponse5*. Finally, the message *SaleToPOIMessageStatusResponseV03* is updated to *SaleToPOIMessageStatusResponseV03* with prefix set to *DRAFT2* to reuse the *MessageStatusResponse5*.

The message component *ServiceResponse4* is updated to *ServiceResponse5* in order to reuse the *ReversalResponse5*. Then the message *SaleToPOIServiceResponseV03* is updated to *SaleToPOIServiceResponseV03* with prefix ser to *DRAFT2* in order to reuse the *ServiceResponse5*.

Both messages, *SaleToPOIMessageStatusResponseV03* and *SaleToPOIServiceResponseV03* identified with prefix *DRAFT2* are inserted in the new message set *Card Sale to POI – Merchant to Acceptor – DRAFT 2 – New version*, with unchanged messages from the previous message set.

# Important Notice.

The following messages are absent from the repository extract and then couldn’t be inserted in the new draft for caaa or casp business domain.

These 3 messages are important and MUST be present in their respective domain.

* AcceptorRejectionV06 (caaa.015.001.06)
* TerminalManagementRejectionV05 (catm.004.001.05)
* SaleToPOIMessageRejectionV02 (casp.013.001.02)

Messages *SaleToPOIServiceResponseV03* and *SaleToPOIMessageStatusResponseV03* identified with prefix *DRAFT1* couldn’t be changed (lock icon) under LightStandardEditor. Consequently, a Compliancy Check raises 2 warning for message identifiers used multiple times for these 2 messages.