

Approved Minutes 7th meeting ad hoc multi-stakeholder group on Mobile Contactless SEPA Cards Interoperability Implementation Guidelines (MCP IIG)

1 September 2017

Circulation: MSG MCP

Restricted: No

1. Welcome and opening of the meeting

The Co-Chairs, D.-I. Flatraaker and P. Spittler opened the meeting at 10h00 and welcomed the participants to the 7th meeting of the ad hoc multi-stakeholder group. More in particular, Lorenzo Gaston, as replacement of G. Hogen, Christian Delporte, as replacement for M. Harding and Marcus Härtel, as replacement for J. Looman, for this meeting were introduced.

2. Roll call of delegates

The list of participants and apologies may be found in Annex I.

3. Approval of the agenda

The proposed meeting agenda (MSG MCP 033-17v0.1) was presented and subsequently approved.

4. Approval of the minutes

The draft minutes of the 6th meeting of the group (MSG MCP 032-17) held on 4 July 2017 were reviewed and approved. They will be distributed as version 1.0.

Next the action points were checked. Their status is reflected in the table below.

| Ref. AP | Action | Owner | Due date/ status |
|---------|--|-------------|---|
| 1.10 | To request ETSI to provide a status on Recommendation ERPB/2015/rec 13 : The ERPB recommends to: i. Agree on and pursue the development specifications for a "smart secure platform" (enabling provision of value-added services relying on authentication of the user, regardless of the mobile device, communication channel or underlying technology), taking into account the requirements of mobile payments, and building on | M. De Soete | Before next MSG MCP meeting – No reply received from ETSI |

| | | | |
|------|--|----------------|--|
| | <p>the work already done by EMVCo and GlobalPlatform. (December 2017)</p> <p>ii. Develop implementation guidelines (December 2016) (building on work already done by GlobalPlatform) that define:</p> <ul style="list-style-type: none"> - a process that provides service providers with the credentials for access to secure elements; - a process that allows a service provider to be authenticated, to securely obtain the credentials to access a mobile device's hardware vaults (i.e. the secure element), and to communicate with these vaults. | | |
| 1.12 | <p>To check who provided the status report on Recommendation ERPB/2015/rec16 and clarify what actions have been taken: The ERPB recommends to provide access to the mobile device's contactless interface in order to ensure that the consumer can have a choice of payment applications from different mobile payment service providers independently of the mobile device and operating system used.</p> | J. Looman | Before next MSG MCP meeting – On-going |
| 2.8 | To check on the exact definition of CDCVM with EMVCo | M. Harding | Open /Awaiting EMVCo contribution on the subject/ due next MSG MCP meeting |
| 4.16 | To prepare a text on Tokenisation for integration in section 7 of the document | M. Harding | By 4 July 2017/ due next MSG MCP meeting |
| 5.3 | To check on additional documents from France on POI etiquette | P. Hertzog | Before 28 June 2017/Closed |
| 5.9 | To provide a definition for MNO profile (used in chapter 4) and create a separate section on the eUICC | P. van Leeuwen | By 20 June 2017/Closed |
| 5.11 | To check chapter 5 for cloud-based approaches and provide additional text as needed | A. Fulton | By 28 June 2017/Closed |
| 6.1 | <p>To check on status of 2nd Generation EMVCo specifications related to ERPB 2015/Rec8 :</p> <p><i>The ERPB recommends to:</i></p> <ul style="list-style-type: none"> <i>i. Speed up the creation of a single common POI kernel specification for contactless transactions (already planned under EMV Next Generation) and make the</i> | M. Harding | By next meeting 1 September 2017/ Closed |

| | | | |
|------|---|------------------|---|
| | <i>specifications publicly available as soon as possible. (December 2016)</i> | | |
| 6.2 | To check on status of ERPB 2015/Rec 15 : <i>The ERPB recommends to: i. Prepare an overview paper on the functional and security evaluation / certification of NFC-enabled mobile devices (covering all aspects and configurations – SE,HCE, trusted execution environment (TEE), etc.) in cooperation with GlobalPlatform and EMVCo. In particular, issues related to contactless interference issues should be addressed. (June 2016)</i> | P. van Leeuwen | By next meeting 1 September 2017 |
| 6.3 | To provide text to add under section 7.8.3 to deal with testing for an MCP provider on different platforms | K. Wouters | By 3 August 2017/ Closed |
| 6.4 | To check sections 1-3 for eUICC based MCPs (MSG MCP 014-17) | P. van Leeuwen | By 3 August 2017/ Closed |
| 6.5 | To check sections 1-3 for cloud based MCPs (MSG MCP 014-17) | A. Fulton | By 3 August 2017/ Closed |
| 6.6 | To check the section on Merchant expectations in MSG MCP014-17 | P. Spittler | By 3 August 2017/ Closed |
| 6.7 | To update MSG MCP 027-17 with comments made during the meeting | M. De Soete | By 1 September 2017/Obsolete |
| 6.8 | Include high level guidelines on POI in section 7.4 | M. De Soete | By 1 September 2017/ Closed |
| 6.9 | To check use case 8 in MSG MCP 011-17 with parking operators | P. Spittler | By 3 August 2017/ Closed |
| 6.10 | To re-check use case 11 in MSG MCP 011-17 with retailers | P. Spittler | By 3 August 2017/ Open, input expected by next MSG MCP meeting |
| 6.11 | Develop similar figure 6 as the other models for cloud based model in MSG MCP 018-17 | A. Fulton | By 3 August 2017/ Closed |
| 6.12 | To check on a new use case for AAM in MCP process in section 4.2.1.1 in MSG MCP 018-17: triggering of dynamic data by the mobile device | A. Fulton | By 3 August 2017/ Closed |
| 6.13 | To check on updates needed for section 6.6 in MSG MCP 031-17 | All MPWG members | By 3 August 2017/ Closed |
| 6.14 | To check MSG MCP 031-17 for cloud based MCPs | A. Fulton | By 3 August 2017/ Closed |
| 6.15 | To check MSG MCP 031-17 for eUICC based MCPs | P. van Leeuwen | By 3 August 2017/ Closed |
| 6.16 | To provide text for application selection for co-badged cards | P. Hertzog | By 3 August 2017/ Submission to be updated by 7 September 2017 |

| | | | |
|------|---|-------------|--------------------------|
| 6.17 | To prepare an updated chapter 7 for review at the next meeting based on inputs received | M. De Soete | By 28 August 2017/Closed |
| 6.18 | To integrate all updated chapters into one single document with an introductory chapter on document information | M. De Soete | By 28 August 2017/Closed |

Related to AP6.1, C. Delporte reported that a dedicated statement was put on the EMVCo website and that no time plan is yet available for the 2nd Generation specifications. He also informed that related to AP4.16, a contribution was being prepared by EMVCo. He was invited to submit the text in due time for the next meeting on 22 September 2017.

| | | | |
|-------|--|-------------|------|
| AP7.1 | To provide the EMVCo position paper on 2 nd Generation specification for MSG MCP distribution | C. Delporte | ASAP |
|-------|--|-------------|------|

P. Spittler informed concerning AP6.10 that a meeting with the retailers was planned on 27 September 2017 where the use case would be further discussed.

P. Hertzog submitted a document related to AP 6.16, which was distributed to the group prior to the meeting. However, in view of the IPR statement in the footer, it was decided to withdraw the document as an input to the MCP IIG and to await a new version before review and discussion in the MSG.

5. Review of the updated MCP IIG

Mrs. M. De Soete introduced the document EPC 144-17v0.2 which integrates the different updated chapters 1 to 6 that have been produced as separate documents in the MSG (MSG MCP 011-17, MSG MCP 014-17, MSG MCP 018-17, MSG MCP 028-17 and MSG MCP 031-17). She further explained that an introductory chapter containing a description of the structure of the document, the references, terminology and abbreviations was added. Furthermore, the first updates to chapter 7 were introduced and the annex 1 on Regulatory documents impacting MCPs was populated. Also a new annex listing the different organisations involved in the MSG was added.

Since chapters 1 to 3 have been stable for quite some time and only some minor editorial changes have been implemented, they were not further reviewed during the meeting.

Regarding chapter 4, the group was informed that further updates have been implemented to the text on eUICC and cloud-based models – for the latter some life cycle management related text was moved to chapter 5. Also the order for the SE-based models has been changed in view of the fact that eSE based models are more mature than eUICC based solutions. Moreover, a new figure 8 for the cloud-based models was introduced. The updates were reviewed and it was agreed to move the table 5 to the conclusions section 4.3.

Chapter 5 was reviewed in view of the updates made for eUICC and cloud based models. A short discussion was held on the function “personalisation and activation of the MCP application” in section 5.2.1 and it was decided to combine it with the item 3 “Installation of MCP application user interface”, to ensure alignment with the EPC-GSMA document on the MCP management roles and the Annex B. In view of the discrepancy with ISO 12812-Part 3 in this respect, it was decided to add a dedicated footnote that other implementations may be possible. It was agreed to further clarify in section 5.3 that in case of a cloud-based model, the MCP applications consist of the parts residing in the mobile device and on the Mobile Application Cloud Platform. In order to improve the readability of this section it was further agreed to integrate here a former figure on this model which was previously in chapter 4.

Next, the chapter 6 was reviewed. An extensive discussion took place on the different CVM methods, including CDCVM, their definition and process for verification.

The following was concluded in view of alignment with the new to be published EMVCo document.

On-line CVM: PIN entered on the POI at verified on-line by Issuer

Off-line CVM: CDCVM: entered or captured on the mobile device;

- Biometrics verified by an application on mobile device
 - Active – user interaction: e.g., fingerprint
 - Passive – no user interaction: e.g., vein recognition by a wrist band or smart watch.
- Mobile code: entered on the mobile device.
 - The verification of the mobile code is done by the MCP application in the SE on the mobile device;
 - or
 - Implicit validation of the correct entry of the mobile code through a cryptographic derivation verified on-line by the Issuer.

Moreover, it was also noted that in that respect the SEPA Cards Standardisation Volume would need to be updated.

It was furthermore agreed to add a footnote in the document, that although “signature” is allowed as fall-back for MCPs in the SEPA Cards Standardisation Volume”, it would not be considered in the MCP IIG.

The group suggested that the text on strong customer authentication and the exemptions for MCPs (section 6.4) would need to be re-checked against the latest version of the draft Regulatory Technical Standards (RTS) for Strong Customer Authentication and Common and Secure Communication under PSD2 and that a dedicated disclaimer should be added.

There was also an agreement on the section 6.6 on risk management (which had been aligned with the terminology used in version 8.0 of the SEPA Cards Standardisation Volume) but it was decided to remove the annex D with the examples since it is unclear whether those are fully aligned with the RTS.

Concerning the use cases presented in section 6.8, the group only review the two “open” examples, namely the parking and the loyalty use case. Further clarifications on certain aspects for the parking use case will need to be sought with the relevant operators as well as feedback on the loyalty use case before the MSG can conclude on those.

Next, the chapter 7 was reviewed. In view of the need of an updated figure 27 for the mobile equipment architecture covering all MCP models introduced in section 4, it was suggested to integrate a dedicated figure from the EMVCo document “Payment Card Management”. C. Delporte confirmed that this could be done as long as an appropriate reference was made to EMVCo. It was furthermore decided to remove the figure 26 mapping the different standards and specifications onto the mobile equipment and only make an overview of the different organisation involved in this work. The new text on POI guidelines for manufacturers and merchants introduced in section 7.4, derived from MSG MCP 027-17, was reviewed in detail and updated on screen.

C. Delporte was requested to review with EMVCo some dedicated sections directly related to EMVCo specifications, including AAUI (Application Activation User Interface) and PPSE (Proximity Payment System Environment). The group also decided to remove Annex E, an example of AAUI, and to refer instead to the dedicated EMVCo document on AAUI. The section 7.5 on the Selection of the Application would be further updated with the input received on co-badged cards (see AP6.16) for review at the next MSG meeting. Furthermore, it was identified that the whole chapter 7 need to be reviewed with respect to cloud-based solutions. Finally, it was also agreed to merge section 7.11 into chapter 8: Conclusions.

The following action points were agreed related to further updates needed to the MCP IIG:

| | | | |
|-------|--|-------------------------|-----------------------------|
| AP7.2 | To include the figure on Cloud-based architecture in chapter 5 | M. De Soete | Before next MSG MCP meeting |
| AP7.3 | To check on the mobile code verification for HCE based solution | A. Fulton | ASAP |
| AP7.4 | To check on the zero-value authorisation for the parking use case | P. Spittler | Before 15 September 2017 |
| AP7.5 | To check the section 7.3.2 and 7.6.2 and provide comments / updated text as needed | C. Delporte / M. Kamers | Before 15 September 2017 |

| | | | |
|-------|---|-------------|--------------------------|
| AP7.6 | To review and provide comments on chapter 7 in view of cloud-based systems | A. Fulton | Before 15 September 2017 |
| AP7.7 | To provide a short description of 3 use cases for application selection by the consumer | P. Spittler | Before 7 September 2017 |

6. Next steps and planning for the finalisation of the MCP IIG

It was agreed that a draft text for chapter 8 (Conclusions) would be prepared for review at the next MSG meeting.

Normally, if all contributions are submitted in due time, a more or less mature document should be available at the next MSG meeting on 22 September 2017. It was agreed to organise a one week review by the MSG after finalisation of the document before submitting it to the EPC Board for final approval for publication for a 3-month public consultation. It was furthermore decided to develop a dedicated questionnaire for this public review.

| | | | |
|-------|---|-------------|-----------------------------|
| AP7.8 | To prepare a draft conclusions chapter | M. De Soete | Before next MSG MCP meeting |
| AP7.9 | To further update the document and integrate the contributions received | M. De Soete | By 20 September |

7. White paper on non-NFC card-based mobile proximity payments

In view of the limited time, this item was only briefly discussed. All members were invited to check for possible inputs to this new work and it was agreed that a brainstorm would be held at one of the next meetings. The two recently published documents on QR codes developed by EMVCo were mentioned.

The group was informed about the launch of contactless payment for transport in China which will not be available under ApplePay.

In addition, it was suggested to invite M. Hoffmann to provide a presentation on the different proximity payments supported by the merchants in Denmark at the October 2017 meeting.

| | | | |
|--------|---|--------------------------|--------------------|
| AP7.10 | To check for possible inputs for White paper non-NFC card based mobile proximity payments | All MSG MCP members | By 15 October 2017 |
| AP7.11 | To provide the information on contactless transport in China for MPWG distribution | P. Hertzog / P. Spittler | ASAP |
| AP7.12 | To request M. Hoffmann to provide a presentation on contactless payments covering # proximity | M. De Soete | In due time |

| | | | |
|--|--|--|--|
| | technologies in Denmark at the MSG MCP meeting October 2017 | | |
|--|--|--|--|

8. Liaison and monitoring

EMVCo

Related to the early sharing of draft EMVCo documents, C. Delporte informed that there is an agreement within EMVCo to provide presentations to the MCP IIG on items related to the MCP work on a case by case basis. He was invited to share a presentation on CDCVM with the group.

ECSG

The work on Tokenisation is progressing slowly and will need to be integrated/referenced in the MCP IIG after the public consultation. Furthermore, the group was informed that the ECSG is preparing its 2018 work plan.

9. A.O.B.

The next MSG meeting will take place on 22 September 2017 and will be hosted at the EPC premises.

10. Closure of the meeting

The Co-Chairs closed the meeting and thanked all participants for the valuable contributions and the interactive discussions.

ANNEX I
List of participants – 7th MSG MCP meeting 1 September 2017

| Name | Affiliation | Status |
|--|----------------------------------|----------------------|
| Co-Chairs | | |
| Dag Inge Flatraaker | EPC (DNB Bank) | Yes |
| Pascal Spittler | EuroCommerce (Ikea) | Yes |
| EPC | | |
| Michael Hoffman | Finance Denmark | Apologies |
| Matthias Hönisch | BVR | Yes |
| Patrice Hertzog | Crédit Mutuel | Yes |
| Ben Smith | EPIF (Amex) | Apologies |
| Karel Wouters | Febelfin (Bancontact) | Apologies |
| Sergio Cano Magdalena | BBVA | Apologies |
| ECSG | | |
| Martin Haussmann | Verifone | Apologies |
| Guido Hogen Replaced by Lorenzo Gaston | Smart Payment Association | Apologies Yes |
| Cédric Sarazin Alternate Emiliano Anzellotti | Cartes Bancaires Bancomat | Apologies |
| ERP WG | | |
| Richard Koch <i>alternate:</i> David Stephenson | ECPA | Yes |
| Jean Allix <i>alternate</i> Farid Aliyev | BEUC | Apologies |
| Christian Schollmeyer | ESBG | Apologies |
| Andy Fulton <i>alternate:</i> Agnes Revel | Visa | Yes |
| Christophe Zehnacker <i>alternate</i> Mark Kamers | MasterCard | Apologies Yes |
| Mike Harding <i>alternate:</i> Bastien Latge Replaced by Christian Delporte | EMVCo | Apologies Yes |
| Judith Looman <i>alternate:</i> Annett Pietrowiak Replaced by Marcus Härtel | Eurosystem | Apologies Yes |
| Peter van Leeuwen | KPN | Apologies |
| Secretariat | | |
| Marijke De Soete | EPC | Yes |

ANNEX II

Action points

| Ref. AP | Action | Owner | Due date/ status |
|---------|---|-------------|---|
| 1.10 | <p>To request ETSI to provide a status on Recommendation ERPB/2015/rec 13 :</p> <p>The ERPB recommends to:</p> <p>i. Agree on and pursue the development specifications for a “smart secure platform” (enabling provision of value-added services relying on authentication of the user, regardless of the mobile device, communication channel or underlying technology), taking into account the requirements of mobile payments, and building on the work already done by EMVCo and GlobalPlatform. (December 2017)</p> <p>ii. Develop implementation guidelines (December 2016) (building on work already done by GlobalPlatform) that define:</p> <ul style="list-style-type: none"> - a process that provides service providers with the credentials for access to secure elements; - a process that allows a service provider to be authenticated, to securely obtain the credentials to access a mobile device’s hardware vaults (i.e. the secure elements) and to communicate with these vaults. | M. De Soete | Before next MSG MCP meeting – No reply received from ETSI |
| 1.12 | <p>To check who provided the status report on Recommendation ERPB/2015/rec16 and clarify what actions have been taken:</p> <p>The ERPB recommends to provide access to the mobile device’s contactless interface in order to ensure that the consumer can have a choice of payment applications from different mobile payment service providers independently of the mobile device and operating system used.</p> | J. Looman | Before next MSG MCP meeting – On-going |
| 2.8 | To check on the exact definition of CDCVM with EMVCo | M. Harding | Open /Awaiting EMVCo contribution on the subject/ due |

| | | | |
|------|--|-------------------------|---|
| | | | next MSG MCP meeting |
| 4.16 | To prepare a text on Tokenisation for integration in section 7 of the document | M. Harding | By 4 July 2017/ due next MSG MCP meeting |
| 6.2 | To check on status of ERPB 2015/Rec 15 : <i>The ERPB recommends to:</i> <i>i. Prepare an overview paper on the functional and security evaluation / certification of NFC-enabled mobile devices (covering all aspects and configurations – SE, HCE, trusted execution environment (TEE), etc.) in cooperation with GlobalPlatform and EMVCo. In particular, issues related to contactless interference issues should be addressed. (June 2016)</i> | P. van Leeuwen | By next meeting 1 September 2017 |
| 6.10 | To re-check use case 11 in MSG MCP 011-17 with retailers | P. Spittler | By 3 August 2017/ Open, input expected by next MSG MCP meeting |
| 6.16 | To provide text for application selection for co-badged cards | P. Hertzog | By 3 August 2017/ Submission to be updated by 7 September 2017 |
| 6.17 | To prepare an updated chapter 7 for review at the next meeting based on inputs received | M. De Soete | By 28 August 2017/Closed |
| 7.1 | To provide the EMVCo position paper on 2 nd Generation specification for MSG MCP distribution | C. Delporte | ASAP |
| 7.2 | To include the figure on Cloud-based architecture in chapter 5 | M. De Soete | Before next MSG MCP meeting |
| 7.3 | To check on the mobile code verification for HCE based solution | A. Fulton | ASAP |
| 7.4 | To check on the zero-value authorisation for the parking use case | P. Spittler | Before 15 September 2017 |
| 7.5 | To check the section 7.3.2 and 7.6.2 and provide comments / updated text as needed | C. Delporte / M. Kamers | Before 15 September 2017 |
| 7.6 | To review and provide comments on chapter 7 in view of cloud-based systems | A. Fulton | Before 15 September 2017 |
| 7.7 | To provide a short description of 3 use cases for application selection by the consumer | P. Spittler | Before 7 September 2017 |
| 7.8 | To prepare a draft conclusions chapter | M. De Soete | Before next MSG MCP meeting |
| 7.9 | To further update the document and integrate the contributions received | M. De Soete | By 20 September |
| 7.10 | To check for possible inputs for White paper non-NFC card based mobile proximity payments | All MSG MCP members | By 15 October 2017 |

| | | | |
|------|---|-------------------------|-------------|
| 7.11 | To provide the information on contactless transport in China for MPWG distribution | P. Hertzog / P.Spittler | ASAP |
| 7.12 | To request M. Hoffmann to provide a presentation on contactless payments covering # proximity technologies in Denmark at the MSG MCP meeting October 2017 | M. De Soete | In due time |

ANNEX III

MSG MCP Meeting Calendar

| Date | Location |
|-------------------|------------------|
| 31 January 2017 | EPC Secretariat |
| 21 February 2017 | EPIF Secretariat |
| 3 April 2017 | EPC Secretariat |
| 10 May 2017 | EPC Secretariat |
| 8 June 2017 | EPC Secretariat |
| 4 July 2017 | EPC Secretariat |
| 1 September 2017 | EPC Secretariat |
| 22 September 2017 | EPC Secretariat |
| 25 October 2017 | EPC Secretariat |
| 30 November 2017 | EPC Secretariat |

All physical meetings will be held from 10h00 till 16h00