

1 **SEPA CARDS STANDARDISATION (SCS) "VOLUME"**

2 **BOOK 5**

3 **CONFORMANCE VERIFICATION PROCESSES**

4  
5 *Payments and Cash Withdrawals with Cards in SEPA*  
6 *Applicable Standards and Conformance Processes*

7  
8 © European Payments Council/Conseil Européen des Paiements AISBL.  
9 Any and all rights are the exclusive property of  
10 EUROPEAN PAYMENTS COUNCIL - CONSEIL EUROPEEN DES PAIEMENTS AISBL.

11  
12  
13

Abstract	This document contains the work on SEPA cards standardisation to date
Document Reference	EPC020-08
Issue	Book 7.5.2.50
Date of Version	26 May 2016
Reason for Issue	Consultation
Reviewed by	CSG
Produced by	CSG Secretariat
Owned and Authorised by	EPC
Circulation	Public

Change History of Book 5		
6.5.0.x	2012-2013	Working version of Book 5
7.5.1.0	12.12.2013 (published 07.01.2014)	EPC Published version – Volume v7.0
7.5.1.05	11.02.2015 (published 10.03.2015)	Version distributed with Volume v7.05 set. <u>Not</u> used for consultation.
7.5.2.1	08.12.2015	EPC Published version – Volume v7.1
7.5.2.11- 7.5.2.5	16.12.2015-	Working Version 2015-2016

15  
16  
17

DRAFT

18	<b>Table of Contents</b>	
19	<b>1 GENERAL .....</b>	<b>4</b>
20	1.1 Book 5 - Executive summary .....	4
21	1.2 Description of changes since the last version of Book 5 .....	5
22	<b>2 INTRODUCTION TO THE CONFORMANCE ECOSYSTEM .....</b>	<b>6</b>
23	<b>3 OVERALL PROCESS DESCRIPTION OF THE CONFORMANCE ECOSYSTEM .....</b>	<b>7</b>
24	3.1 Conformance Ecosystem .....	9
25	<b>4 CONFORMANCE PROCESSES .....</b>	<b>11</b>
26	4.1 The Volume Labelling Process .....	11
27	4.1.1 Rationale .....	11
28	4.1.2 Labelling Process Description .....	12
29	4.1.3 VCMC Responsibilities within the Labelling process .....	13
30	4.1.4 Requirements on Specification Providers.....	13
31	4.1.4.1 Protection of Intellectual Property Rights .....	13
32	4.1.4.2 Establishment of a Governance Structure .....	13
33	4.1.4.3 Maintenance of the Implementation Specification.....	14
34	4.1.4.4 Establishment of a Certification process for solutions developed against the	
35	Implementation Specification.....	14
36	4.1.4.5 Ensuring interoperability of solutions .....	15
37	4.2 The Certification Process .....	15
38	4.3 The Type Approval Process .....	16
39	4.3.1 Implementation Specifications recognised by Approval Bodies .....	16
40	4.3.2 Type Approval activity .....	17
41	4.4 Information to be made public .....	17
42	4.4.1 VCMC.....	17
43	4.4.2 Approval Body.....	18
44	4.4.3 Specification Provider .....	18
45	4.4.4 Certification Body .....	18
46	<b>5 FIGURES .....</b>	<b>19</b>
47		
48		

49 **1 GENERAL**

50 **1.1 Book 5 - Executive summary**

51 The overall aim of the SEPA standardisation process is to deliver "Solutions" (i.e. products and  
52 services or any combination of them) which can be used throughout SEPA by all the different Card  
53 Payment Schemes. To achieve this, the products must be based on common requirements and  
54 processes as detailed in the other Books of the Volume. In addition the products must also comply  
55 with Implementation Specifications and have associated Certificates which need to be presented  
56 to Card Payment Schemes (CPS)/Approval Bodies (AB) in order to be granted a Type Approval for  
57 use by that CPS.

58 Book 5 of the Volume details requirements on conformance verification processes.

59 In this Book, the card standardisation ecosystem is described to present the role and  
60 responsibilities of each organisation involved, especially the roles of:

- 61 • Card Payment Schemes/Approval Bodies
- 62 • Specification Providers
- 63 • Certification Bodies

64 Three conformance verification processes are covered in this Book:

- 65 • Labelling process: This process confirms that a given Implementation Specification is in line  
66 with the Volume requirements. An Implementation Specification is generally developed  
67 and managed by Specification Providers who may request a label.
- 68 • Certification process: This process is used to verify that a Solution developed by a Solution  
69 Provider has been evaluated and proven to be compliant with a given implementation  
70 specification. The bodies responsible for confirming this compliance are the Certification  
71 Bodies which can be either part of or independent of the Specification Provider's  
72 organisation.
- 73 • Approval process: This process is used by an AB to grant a Solution Type Approval for use  
74 in a CPS based upon the acceptance of the certification of that Solution. In order to verify  
75 that the Implementation Specifications expected in the environment or scheme have been  
76 correctly implemented. The bodies responsible for awarding Type Approval are the  
77 individual CPS/AB.

78 It is assumed for the purposes of this Book that an independent body responsible for reviewing and  
79 monitoring the conformance of particular processes with the relevant sections of the Volume will  
80 be established. For the purpose of this iteration of the Volume, such a Volume conformity body  
81 will be described as the "Volume Conformance Management Committee" or "VCMC".

82

83 **1.2 Description of changes since the last version of Book 5**

84 This version of Book 5 is unmodified from the v7.1 release (December 2015). Feedback on this  
85 release during the 2016 public consultation is welcomed by the CSG.

DRAFT

86

## 2 INTRODUCTION TO THE CONFORMANCE ECOSYSTEM

87 The Volume provides high level requirements which any "Solution" (i.e. products and services or  
88 any combination of them) must conform to in order to be considered Volume conformant. These  
89 high level requirements are used by a Specification Provider to create a detailed implementation  
90 specification involving relationships with accredited Evaluation Laboratories and Certification  
91 Bodies. The Specification Provider may submit their specification for recognition and Labelling by  
92 the VCMC. It is the individual CPS/AB which will issue the actual Type Approval for any particular  
93 Solution.

94 The Conformance Ecosystem details a process with all key actors and process stages clearly  
95 identified. Any Solution Provider wishing to deliver a Solution must successfully complete all the  
96 steps defined in the ecosystem in order for their Solution to meet the needs of the Volume.

97 In order to achieve this there are several critical steps that must be successfully completed, and  
98 the following sections define in more detail the relationships between the various actors involved,  
99 all the necessary steps required and how this can lead to the Type Approval of the Solution  
100 Providers Solution.

DRAFT

### 3 OVERALL PROCESS DESCRIPTION OF THE CONFORMANCE ECOSYSTEM

102 This section provides a high level introduction to the overall process a Solution Provider must  
103 successfully complete in order to obtain Type Approval.

104 Type approval is the final stage of the process which a solution must undergo in order to obtain  
105 approval from a given CPS or Approval Body (AB).

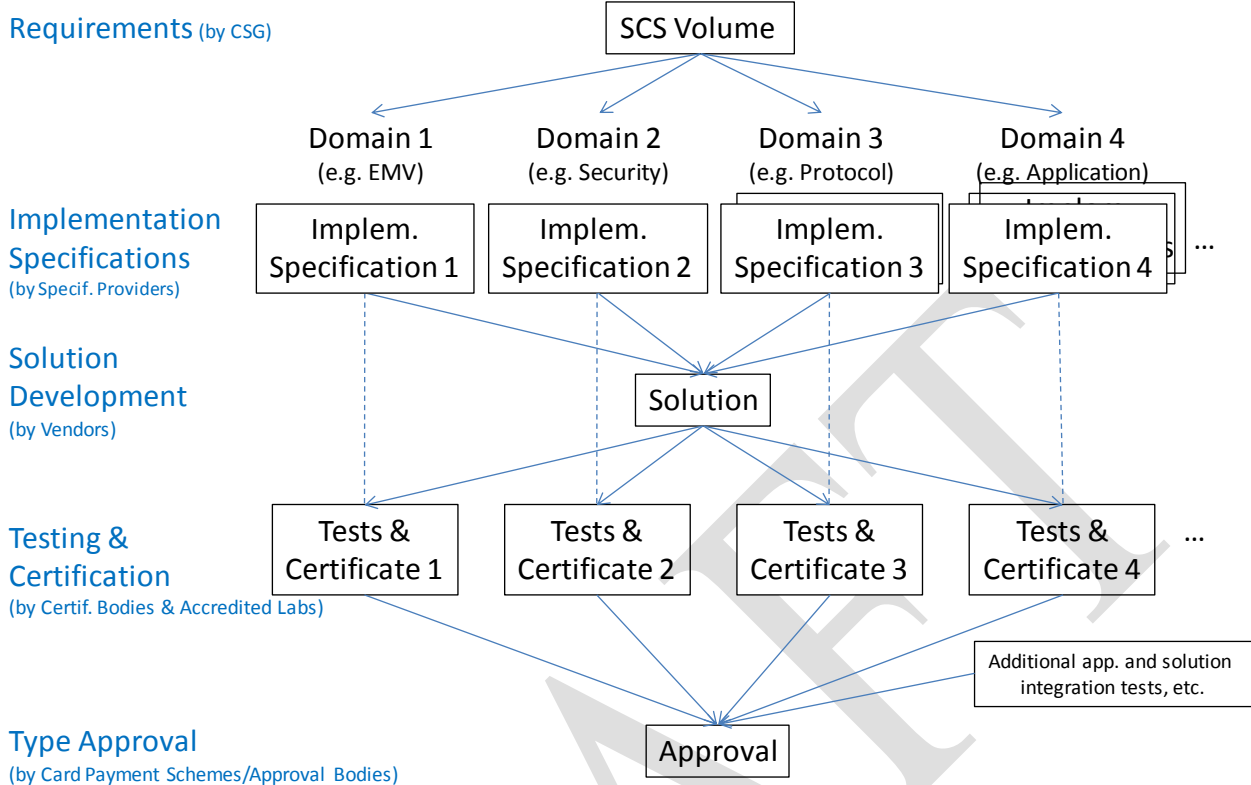
106 CPS/AB (CPS/AB):

- 107 • make the list of required/recognised detailed implementation specifications publicly  
108 available, along with the corresponding certification/Type Approval process;
- 109 • “Type Approve” the solutions evaluated and certified against these specifications.

110 The Solution Provider will do/provide the following as necessary:

- 111 1. Identify the High Level principles for scheme solution objectives that need to be  
112 adhered to for the solution being developed;
- 113 2. Identify the functional (interoperability) & security requirements (among available  
114 specifications or by building in-house requirements) that the product will adhere to;
- 115 3. Identify Implementation Specifications the solution needs to comply with;
- 116 4. Develop complying solutions with detailed specifications;
- 117 5. Submit the product for Evaluation/Tests performed by accredited Laboratories;
- 118 6. Obtain the evaluation report(s) which can then be submitted to the certification body;
- 119 7. Submit the report(s) for certification against the applicable Implementation  
120 Specifications;
- 121 8. List the specifications and implementation options/parameters/configurations to which  
122 the product conforms, has been certified for, and for which it is requesting Type  
123 Approval (by CPS/AB);
- 124 9. Request/facilitate end-to-end testing to finalize the solution validation to obtain the  
125 authorisation for deployment.

126 The target approval and certification ecosystem is shown below for POIs:



127

128

**Figure 1:** The Type Approval and Certification Ecosystem

129 **Figure 1** shows that products may need to have several certificates (one per domain). In given  
 130 domains there might be several possible alternative Implementation Specifications and therefore  
 131 several alternative certifications possible.

132 The above process for certification and Type Approval is expected to be as depicted in

133 Figure 2 and explained in detail in section 3.1.



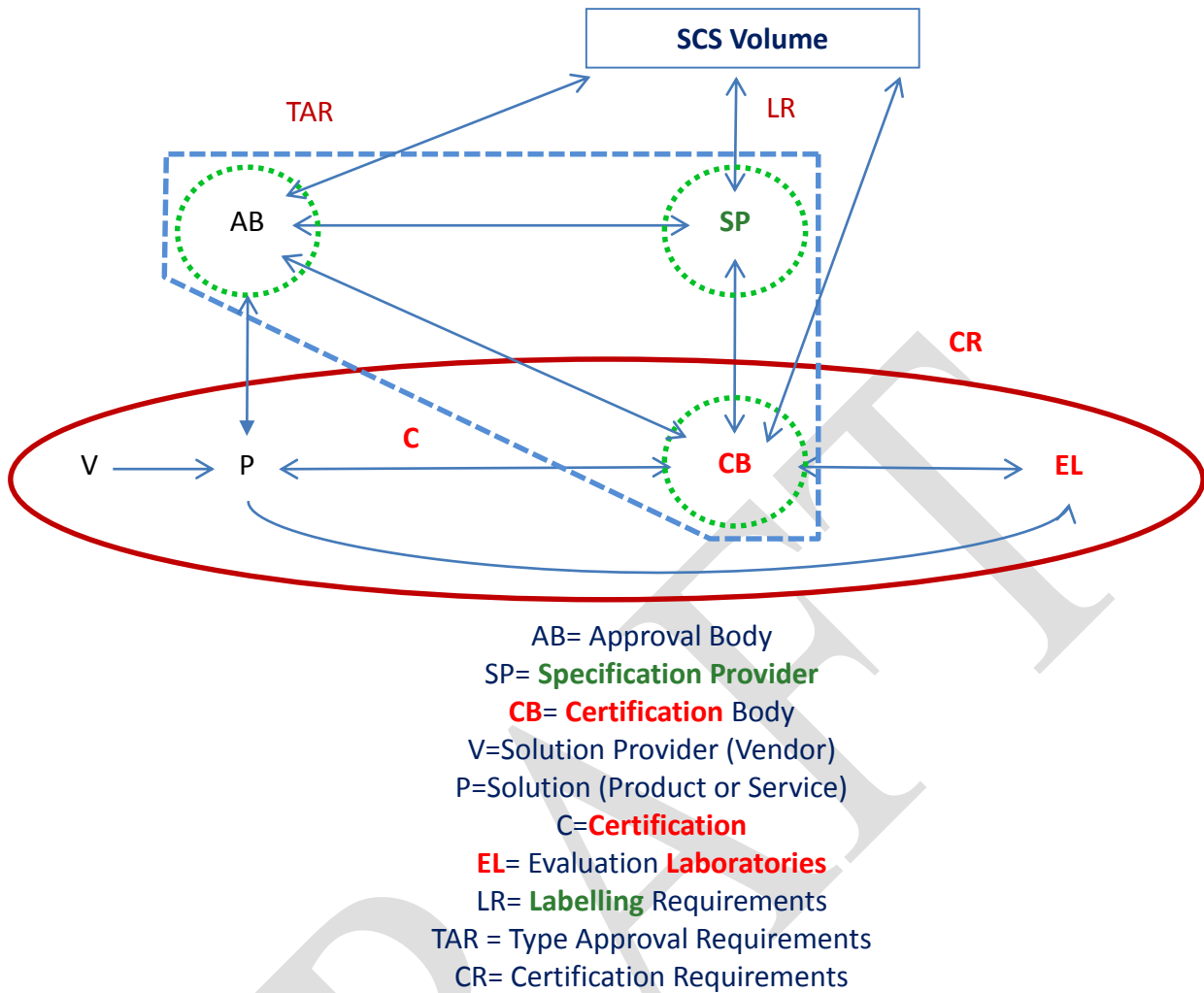


Figure 2: The Conformance Ecosystem

### 3.1 Conformance Ecosystem

A **Card Payment Scheme/Approval Body** is an organisation that is subject to Oversight and Regulation and which is responsible for Risk Assessment, which cannot be delegated. It also ensures end-to-end interoperability of all approved solutions of the card payment chain. Therefore it:

- Selects the required/recognised Implementation Specifications;
- Relies upon the certification processes of solutions against these Implementation Specifications;
- Is responsible for issuing Type Approval for solutions certified by one or more certification bodies for a particular market or CPS.

146 A **Certification Body** is an organisation responsible for:

- 147     • Issuing certificates to confirm that solutions have been successfully tested against a given  
148     implementation specification. This process is based on evaluations or tests performed by  
149     laboratories accredited by the certification body.

150 A **Specification Provider** is an organisation which:

- 151     • Uses or develops Implementation Specifications based upon the high level requirements  
152     specified in the Volume for use by Solution Providers to develop solutions;  
153     • Provides a maintenance process, notably for interoperability and/or security issues linked  
154     to the implementation specifications;  
155     • Has its own certification body or a relationship (formal or informal) with an external  
156     certification body to certify solutions.

157 The tasks to ensure the above mentioned functions can either be in the same organisation or in  
158 several separate organisations, such as:

- 159     1. One or several independent organisations purely for the production of the Implementation  
160     Specification (detailed technical specifications);  
161     2. One or several independent organisations for the certification of the solutions.

162 Note that several Implementation Specifications may be developed based on the requirements  
163 contained in the Volume as several alternative Implementation Specifications (e.g., POI to Acquirer  
164 protocols) can coexist in the market. It will be up to the market to decide on the future evolution  
165 of such Implementation Specifications.

166 Solution Providers offer solutions based on Implementation Specifications for one or several  
167 components of the card payment value chain (e.g., a card, a POI, an acquirer host). Some solutions  
168 may integrate several Implementation Specifications, for instance a POI should at least integrate  
169 the POI application, the POI to Acquirer protocol, and the POI to card protocol.

170 The Conformance Ecosystem as described above applies to both functional and security related  
171 aspects.

172

173 **4 CONFORMANCE PROCESSES**

174 **4.1 The Volume Labelling Process**

175 The Volume defines high level functional and security requirements. Based on these requirements  
176 detailed Implementation Specifications can be developed against which a Solution Provider, such  
177 as a POI Vendor, is able to develop solutions, such as a POI terminal. The conformance of a solution  
178 with an Implementation Specification is controlled by the Certification process. The Labelling  
179 process, which is optional, verifies that an Implementation Specification and its governance and  
180 maintenance processes conform to the requirements of the Volume.

181 The management of the Labelling process will be undertaken by the Labelling entity (VCMC). The  
182 Specification Providers are the entities who will submit their specification and process to the  
183 Labelling process.

184 **4.1.1 Rationale**

185 Within the context of SEPA, the Volume defines high level requirements (functional and security)  
186 that apply to card payment transactions of CPS.

187 The Labelling process aims at confirming that

- 188 - The Implementation Specification conforms with the high level requirements of the  
189 Volume;
- 190 - The Specification Provider has established a governance and maintenance process to  
191 ensure the relevant procedural requirements of the Volume are met.

192 Specification Providers are organisations producing Implementation Specifications used by  
193 Solution Providers to develop solutions. The Volume defines "procedural" requirements applying  
194 to those Specification Providers and aiming to ease the deployment in the market of solutions  
195 implementing those Implementation Specifications.

196 When a Solution Provider decides to develop a solution that meets an Implementation  
197 Specification which has been labelled by the VCMC, then the Solution Provider can be confident  
198 that the technical specifications and the governance structure established by the Specification  
199 Provider conform with the Volume.

200 The proposed ecosystem highlights the role and responsibility of the Specification Providers. They  
201 are expected to provide detailed Implementation Specifications and indicate how certification of  
202 solutions is to be carried out. Any entity may be a Specification Provider and if so, is expected to  
203 meet the requirements of the Labelling process.

204 The Labelling process contributes to the emergence of specifications which are open and  
205 transparent to any stakeholder active in SEPA.

206 Specification Providers in the ecosystem will publish (e.g., via a website) relevant information and  
207 specifications for interested stakeholders.

208 Another important characteristic of the ecosystem is that several alternative Implementation  
209 Specifications may coexist within the card payment value chain facilitating an open market of  
210 conformant standards, for instance the POI-Acquirer protocol.

211 An Implementation Specification with a Volume Label which addresses the needs of interested  
212 stakeholders (e.g., functionality, maintainability...) could result in the reduction of the number of  
213 Implementation Specifications supported throughout SEPA.

#### 214 **4.1.2 Labelling Process Description**

215 Whilst the Labelling process is optional, any Specification Provider which wishes to have a Volume  
216 Label for a given Implementation Specification must undergo the "Labelling" process defined in the  
217 Volume.

218 The aim of this Label is to demonstrate that:

- 219 1) The Implementation Specification conforms with the high level requirements of the  
220 Volume.
- 221 2) The Specification Provider has established procedures compliant with the procedural  
222 requirements described below which are aimed at ensuring
  - 223 a. The setup of a governance structure open to stakeholders interested by the  
224 implementation of the specification (e.g., Solution providers);
  - 225 b. The maintenance of the implementation specification;
  - 226 c. The availability of information to solution providers about how their solutions will  
227 be certified;
  - 228 d. The interoperability of solutions once they are deployed in the field, for instance  
229 that any poi may interact with any acquiring processor if both support the same  
230 implementation specification.

231 This Labelling process is based on the principles of a self-declaration procedure by the Specification  
232 Provider.

233 The Specifications Provider shall provide the Labelling Entity (VCMC) with:

- 234 • A Conformance Document (including its maintenance process), in the form of a checklist,  
235 describing its conformance with the Volume, including:
  - 236 ○ The scope of the Implementation Specification (e.g., The part of the card transaction  
237 value chain, for instance the POI to Acquirer protocol) and the set of services  
238 covered (e.g., POS, remote internet);
  - 239 ○ A list of the Volume requirements applying to the Implementation Specification.
- 240 • The Implementation Specification documentation;
- 241 • A Governance Manual describing the governance established and how the organisation will  
242 implement the procedural requirements described below;
- 243 • Proof of existence of all required elements described in section 4.1.4.

244 The Labelling Entity (VCMC) will manage the process for confirming conformance to the Volume  
245 based on evidence provided by the Specification Provider.

246 On a regular basis and at least annually, the Specification Provider shall check if there is any  
247 significant change in the Volume or its Implementation Specification or its related procedures (e.g.,  
248 governance, maintenance) which would require the specification provider to reapply for a Volume  
249 Label.

#### 250 **4.1.3 VCMC Responsibilities within the Labelling process**

251 Within the Labelling process the VCMC will perform the following tasks:

- 252 • Receive Labelling requests from Specification Providers;
- 253 • Verify that all necessary documentation has been provided;
- 254 • Grant a label after positive review;
- 255 • Make labels publicly available;
- 256 • Ensure certificates granted to solutions by certification bodies are made publicly available;
- 257 • Update labels granted and certificates granted to solutions;
- 258 • Manage disputes.

#### 259 **4.1.4 Requirements on Specification Providers**

260 The Specification Provider applying for a Volume Label will have to demonstrate that it has  
261 implemented procedures compliant with the following procedural requirements.

##### 262 **4.1.4.1 Protection of Intellectual Property Rights**

263 The Specification Provider shall publicly state its IPR provisions.

##### 264 **4.1.4.2 Establishment of a Governance Structure**

265 The Specification Provider

- 266 • Shall have a governance procedure for defining and agreeing the specification,  
267 implementation and procedural requirements;
- 268 • Shall have a governance manual containing the relevant operational rules (e.g., Voting  
269 rules, responsibilities, users groups or stakeholders consultation) that are applicable to all  
270 stakeholders;
- 271 • Shall make public its criteria for participation;
- 272 • Shall define a licensing policy for the implementation of its implementation specification  
273 and shall ensure its open access to any solution provider under fair reasonable and non-  
274 discriminatory (“frand”) conditions.

275 It is recommended that the Specification Provider:

- 276
- 277
- 278
- 279
- 280
- 281
- Provides implementation guidance and best practices;
  - Establishes solution providers user groups and organises regular user groups meetings, for the coordination of the evolution of the implementation specifications;
  - Provides technical support services to solution providers in order to facilitate the specifications implementation;
  - Optionally provides test tools aiming to facilitate the development by solution providers.

282 **4.1.4.3 Maintenance of the Implementation Specification**

283 The Specification Provider:

- 284
- 285
- 286
- 287
- 288
- 289
- 290
- 291
- 292
- Shall ensure the Implementation Specification maintains conformance with the latest published version of the Volume;
  - Shall establish a Release Management process for new versions which should focus specifically on migration issues as every change impacts multiple parties and this shall be done every time a new version is required to keep in alignment with the Implementation Specification;
  - Shall provide procedures for identification and management of issues;
  - Should ensure that relevant stakeholders (e.g., Solution Providers) may provide input and comment on the evolution of the Specifications.

293 **4.1.4.4 Establishment of a Certification process for solutions developed against the Implementation**

294 **Specification**

295 The Specification Provider, independently or in cooperation with Certification Bodies, through their

296 formal or informal relationship, provides or indicates:

- 297
- 298
- 299
- 300
- 301
- 302
- 303
- 304
- 305
- 306
- 307
- 308
- 309
- 310
- 311
- A sustainable Certification framework for Solution Providers developing solutions against the Implementation Specifications, which may include:
    - The definition of the different phases of the certification (e.g., Test with simulator, test by accredited laboratories, field test);
    - The list of deliverables to be provided by Solution Providers;
    - The list of deliverables produced during the certification process;
    - The establishment of testing laboratories accreditation, contractual and monitoring process (e.g., Technical scope, contractual agreement) and the publication of a list of accredited laboratories.
  - The management of the Certification process which may include,
    - Ensuring the follow-up of each ongoing Certification process, within the time frames agreed in the service description;
    - Publishing, on a public site the list of certified solutions and the functionalities they are certified for;
    - Defining a validity period for issued certificate.

312 **4.1.4.5 Ensuring interoperability of solutions**

313 Interoperability aims to ensure that when various solutions are brought together into a specific  
314 environment that all of the components will work as specified. Operational and Specification  
315 ranges can result in components at either end of the range coming together. It is critical that these  
316 components and solutions work as well as all other options.

317 It is the responsibility of the CPS/AB to define or coordinate an interoperability policy.

318 Interoperability aims to ensure that any product or solution of one side shall be able to interact  
319 with any product or solution of the other side, supporting the same Implementation Specification,  
320 such as e.g.

- 321 • Card to POI: any card with any POI;
- 322 • POI to Acquirer: any POI with any Acquirer;
- 323 • Acquirer to Issuer: any Acquirer with any Issuer.

324 In this instance Card represents all methods by which a cardholder can undertake a payment, e.g.,  
325 Chip and PIN, Contactless, or any other permitted method.

326 The CPS should provide procedures for an operational follow-up to all relevant parties, especially  
327 Specification Providers to identify potential interoperability issues and establish procedures that  
328 need to be followed to solve them.

329 **4.2 The Certification Process**

330 This section details requirements on “Certification” which is the process required to validate that  
331 a solution (e.g., POIs and cards) complies with a set of Implementation Specifications and  
332 requirements.

333 The rules to be applied by the Certification Bodies acting in the European card standardisation  
334 ecosystem are described hereafter. These requirements address the Certification Bodies, which  
335 can either be independent or part of the Specification Provider organisations.

336 A Certification Body must meet all of the following requirements:

- 337 - The entity providing certification services acts for more than one AB.
- 338 - Certification Bodies shall apply ISO 17065 standard (Conformity assessment - Requirements  
339 for bodies certifying products, processes and services).
- 340 - Where Certification Bodies use external laboratories and testing facilities the Certification  
341 Body shall require their accredited Laboratories to maintain conformance with the ISO  
342 17025 standard.<sup>1</sup>

---

<sup>1</sup> A laboratory may be part of a Certification Body.

343 The methodology, used by Certification bodies or their laboratories, to evaluate the compliance of  
344 solutions against Implementation Specifications must be openly and publicly available and the  
345 conduct of any evaluations against this methodology must be independent of any management  
346 direction from any specific AB.

347 Where the Specification Provider and the Certification Body are managed in the same organisation,  
348 the following principles must be applied in order to give confidence in the certification activities:  
349 impartiality, confidentiality, openness and fair treatment of complaints and appeals. Separation  
350 should exist between certification operation (the recognition and management of the laboratory  
351 and the delivery of the certificate) and specification writing. This can be achieved either by  
352 separating the organisation performing those tasks or by different groups within the same  
353 organisation.

354 Where the Specification Provider and the Certification Body are not managed in the same  
355 organisation, coordination shall be established in order to meet the requirements expressed in  
356 section 4.1.4.4 and the principles expressed in the paragraph above.

### 357 **4.3 The Type Approval Process**

358 This section aims to clearly define the scope of the Type Approval Process performed by CPS/AB  
359 after solutions have been certified (functional and security).

360 Type Approval is defined as a final validation, performed by an AB, before the product or solution  
361 may be deployed and used.

#### 362 **4.3.1 Implementation Specifications recognised by Approval Bodies**

363 Each AB is expected to make public on its website the list of Implementation Specifications it  
364 requires/recognises as being able to support transactions under its responsibility.

365 For supported Implementation Specifications, AB should define clearly where they apply, including  
366 but not limited to which

- 367 • Merchant sector;
- 368 • Type of transactions.

369 It is assumed that AB have internal processes to analyse and evaluate Implementation  
370 Specifications that are relevant to their payment schemes.

371 It is further assumed that AB will not add unreasonable and unjustifiable requirements to either  
372 the Implementation Specifications or the requirements of the Volume. Should additional  
373 requirements be identified in or made to any Implementation Specifications or to the Volume, AB  
374 will bring these to the change management processes of the specification or of the Volume as  
375 specified in Book 1.



376 **4.3.2 Type Approval activity**

377 The AB will publish on a public website the scope of its Type Approval activity and the procedures  
378 to be used by a Solution Provider (e.g., a POS provider, a Processor) or other entity.

379 A CPS/AB is responsible to ensure end-to-end interoperability of all approved solutions of the card  
380 payment chain.

381 It is expected that the Type Approval phase is:

- 382 - An administrative activity: verifying that the Product presented for Type Approval by a  
383 Requester (e.g., A POI Vendor, a Processor) has the required certificates for that scheme  
384 (e.g., For a POI: a CC Security Certificate, the PCI SSC Certificate, the EMVCo level 1 and level  
385 2 approvals, the Functional Certificates of the Implementation Specification supported);
- 386 - A final validation activity: having the opportunity to perform end-to-end or interoperability  
387 testing of the product;
- 388 - To conduct a pilot deployment if necessary in an operational environment, potentially in  
389 collaboration with the Requester; the aim of this pilot being to ensure that the product  
390 supports transactions under responsibility of the AB according to the product rules of a  
391 given payment scheme. An authorisation for using a given solution for transactions under  
392 the responsibility of that AB;
- 393 - A risk assessment activity based upon the results of the above activities, and any potential  
394 issues or weaknesses that may have been raised either during the evaluation or certification  
395 of the product, service or solution.

396 These conditions should be publicly available.

397 The AB will publish on a publicly accessible website the list of approved solutions (making reference  
398 to the specific Implementation Specifications).

399 An AB may remove or suspend Type Approval under specific conditions (e.g., specific vulnerabilities  
400 or threats, a certificate expired or a certificate has been withdrawn).

401 **4.4 Information to be made public**

402 **4.4.1 VCMC**

403 When established, the VCMC is expected to make public

- 404 - The list of "Labelled" Implementation Specifications (their Specification Providers and  
405 where appropriate, the associated Certification Bodies);
- 406 - The list of "Certificates" granted to solutions having implemented labelled implementation  
407 specifications or the link to the public website of the Certification Body where these can be  
408 found.

409 **4.4.2 Approval Body**

410 The AB will make public

- 411 - The domain of applicability and scope of the Type Approval process;
- 412 - The Required/Recognised set of Implementation Specifications, with optional "context"  
413 specificities;
- 414 - The list of approved solutions with reference to applicable Implementation Specifications;
- 415 - Governance and participation principles;
- 416 - Its interoperability policy.

417 The AB will compile in a matrix one or several sets of accepted Implementation Specifications.

418 **4.4.3 Specification Provider**

419 The Specification Providers will make public

- 420 - The process by which the specifications may be obtained;
- 421 - The licence terms and conditions;
- 422 - The exact references and version of such specifications;
- 423 - The process by which the certifications may be obtained;
- 424 - The maintenance process of the above, if applicable;
- 425 - The governance and participation principles.

426 **4.4.4 Certification Body**

427 The Certification Bodies will make public

- 428 - Supported specifications;
- 429 - Description of the certification process;
- 430 - The process by which the certifications may be obtained;
- 431 - List of approved laboratories;
- 432 - Accreditation process (process on how to become an approved lab);
- 433 - Certificate lifecycle (if applicable);
- 434 - Maintenance process for laboratories;
- 435 - List of certified solutions;
- 436 - Governance principles.

437

**5 FIGURES**

438 Figure 1: The Type Approval and Certification Ecosystem ..... 8

439 Figure 2: The Conformance Ecosystem ..... 9

440

441



DRAFT