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|  | INTERNATIONAL TELECOMMUNICATION UNION**TELECOMMUNICATIONSTANDARDIZATION SECTOR**STUDY PERIOD 2022-2024 | FG-AI4H-R-035 |
| **ITU-T Focus Group on AI for Health** |
| **Original: English** |
| **WG(s):** | Plenary | Cambridge, 21-24 March 2023 |
| **DOCUMENT(Ref.:** [**JCA-DCC-LS3**](https://www.itu.int/ifa/t/2022/ls/jca-dcc/sp17-jca-dcc-oLS-00003.zip)**)** |
| **Source:** | JCA-DCC |
| **Title:** | LS on highlights from the third meeting of the Joint Coordination Activity on Digital COVID-19 Certificates (JCA-DCC) [from JCA-DCC] |
| **LIAISON STATEMENT** |
| **For action to:** | Ecma TC51, ETSI TC eHEALTH, European Commission, FIDO Alliance, HL7, IEEE, ISO/IEC JTC 1/SCs 6, 17, 27/WG5, 31, 35 and 37, ISO PC 317, ISO/TC 215, ISO/TC 307/JWG 4, ITU-T FG-AI4H, ITU-T SGs 11, 12, 13, 16, 17 and 20, GSMA, NIST, RAISE Forum, W3C DID WG, WHO  |
| **For information to:** | - |
| **Approval:** | JCA-DCC meeting (E-meeting, 2 December 2022) |
| **Deadline:** |  |
| **Contact:** | Heung Youl YoumChairman of JCA-DCC | E-mail: hyyoum@sch.ac.kr |

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| **Abstract:** | This liaison statement provides information about the progressed work on a DCC standardization roadmap and asked for inputs and feedback, if any. |

The Joint Coordination Activity on Digital COVID-19 Certificates (JCA-DCC) is pleased to share with you the highlights from our third meeting which took place on 2 December 2022, see Annex A.

JCA-DCC has progressed work on a DCC standardization roadmap (see attachment) and welcomes your inputs and feedback to this draft of the roadmap.

With TSAG’s endorsement of JCA-DCC’s continuation in this Study Period, we also invite your participation to the fourth JCA-DCC meeting which is planned to take place virtually 24 February 13:00 - 14:30 Geneva time.

In the spirit of continuous collaboration, we invite you take this information for your consideration, and look forward to further collaboration in this area.

**Annexes (2):**

1. Highlights from the 3rd JCA-DCC meeting (E-meeting, 2 December 2022)
2. JCA-DCC contact list

**Attachments (1):**

1. [R-035-A01](https://extranet.itu.int/sites/itu-t/focusgroups/ai4h/docs/FGAI4H-R-035-A01.docx): Second draft of the Digital COVID 19 Certificates (DCC) standardization roadmap **(**JCA-DCC-034R1): <https://extranet.itu.int/sites/itu-t/focusgroups/ai4h/docs/FGAI4H-R-035-A01.docx>

**Annex A:**

**Highlights from the 3rd JCA-DCC meeting (E-meeting, 2 December 2022)**

All documentation from this meeting including its detailed report ([DCC-041](https://extranet.itu.int/sites/itu-t/jca/dcc/meetingdocs/JCA-DCC-041.docx)) is available at: <https://extranet.itu.int/sites/itu-t/jca/dcc/SitePages/Home.aspx>.

NOTE – Access to the documents is free, however, an ITU user account is required to access them. Instructions on signing up are available on the [JCA-DCC homepage](https://www.itu.int/en/ITU-T/jca/dcc/Pages/default.aspx).

1. *Review of standardization efforts in ITU-T Study Groups, other SDOs and Forums:*

The meeting reviewed and noted presentations from ITU-T SG17 and WHO covering their DCC-related standardization activities.

Inputs providing updates on these and other standardization efforts are invited to the next meeting.

1. *Matters requiring coordination:*

The meeting discussed ETSI TC eHEALTH’s input on coordination issues. The key importance that ETSI places on coordination and cooperation with the ITU, WHO and other SDOs to ensure the applicability of DCC-related standards was highlighted as well as the following key items:

– Further clarification on the regulatory role of a DCC is needed to identify metrics that can be used to assess whether a DCC standard is satisfactory. ETSI will be working to ensure that, once such metrics are identified, their scope of work will extend to ensure that, when implemented, their published standards can meet these metrics for satisfactory performance.

– Reviewing the potential evolution of DCCs towards “universal medical attestation certificates” that go beyond the scope of COVID-19 and the standards needed for this evolution is crucial when considering the future for DCCs.

– Acceptance of DCCs is driven by political will and supported by standards. One without the other leads to failure or opens the door to incompatibilities and competing standards. Coordination is crucial in ensuring the compatibility of standards and DCCs.

– The key goal is to ensure that there are no global gaps in standardization of a future certificate that may be able to deal with more than just COVID-19. Global coordination facilitated by building on regional coordination efforts such as in the EU will be a key next step. ITU-T JCA-DCC is well placed to lead global coordination in this domain and ETSI is keen to participate and collaborate in JCA-DCC.

Any additional feedback from other SDOs/Forums on this list of coordination issues is still welcome for discussion at the next JCA-DCC meeting:

* 1. Are existing DCC specifications or standards satisfactory? What is the status, what remains to be done technically, and how to ensure cohesion of the DCC standard developments?
	2. Is there a need for harmonization, consolidation of existing DCC specifications or standards?
	3. What is the perspective for those who do not have a COVID certificate standard yet?
	4. What is the DCC eco-system and who are the stakeholders relevant for standardization?
	5. Many countries ceased DCC with the decline of the pandemic. Is DCC obsolete or can it be applicable to other variants such as yellow fever?
	6. What are the lessons learnt from utilization of the existing DCC certificates?
	7. What are the (key) points of coordination exactly? What and who needs coordination/to be coordinated?
	8. Is there duplication, overlap of DCC specifications? How is interoperability among them ensured?
	9. Where is coordination already taking place (bi/multilaterally), how could this JCA help to overcome coordination or interoperability barriers?
	10. Where could be opportunities for joint work among standards organizations?
	11. Are there concrete steps, actions for coordination among the stakeholders that the JCA recommends or will want to recommend?
	12. Interoperability is a key issue for DCCs. From the presentations given, it is noted there are various existing DCC specifications but are they interoperable? How can the JCA tackle this issue?
	13. Do SDOs such as ITU-T need to adopt DCC specifications as international standards or do SDOs need to develop new standards while considering the current specifications?
	14. Current implementations of DCC are based on different techniques i.e., either PKI or blockchain, do standards based on these techniques need to be developed?
1. *Review of the draft DCC standardization roadmap:*

The meeting progressed work on the DCC standardization roadmap and adopted a second draft, see attachment. A new section covering use cases/implementation scenarios of DCCs is planned to be included in the next edition of the DCC standardization roadmap, as a frame of reference for the gap analysis on DCC standards work.

Inputs/feedback on this latest draft of the DCC standardization roadmap are welcome.

1. *List of JCA-DCC representatives:*

The meeting reviewed and updated the list of JCA-DCC representatives, see Annex B. Relevant groups that are yet to identify their representative to JCA-DCC are requested to inform the JCA-DCC Secretariat at: tsbjcadcc@itu.int before its next meeting.

1. *TSAG preparations:*

JCA-DCC agreed on its continuation in this Study Period with modified Terms of Reference that takes into account the new PP-22 resolution on the “*Role of telecommunications/information and communication technologies in mitigating global pandemics*” and the appointment of Carl Leitner (WHO) as co-chairman of JCA-DCC.

The proposed continuation of JCA-DCC in this Study Period with modified Terms of Reference have been submitted to TSAG for their endorsement ([TSAG-TD41](https://www.itu.int/md/T22-TSAG-221212-TD-GEN-0041/en)).

1. *Future meetings/events:*

With TSAG’s endorsement of JCA-DCC’s continuation in this Study Period, the fourth JCA-DCC meeting is planned to take place virtually on Friday 24 February 2023, 13:00 - 14:30 (CET). Its key objective will be to progress work on the DCC standardization roadmap.

A workshop and the fifth meeting of JCA-DCC was also agreed to take place in the June/July 2023 timeframe as a physical meeting with remote participation kindly hosted by Korea (Rep. of). The exact dates and venue will be determined at the fourth JCA-DCC meeting.

**Annex B:**

**JCA-DCC contact list**

(Status as of 2 December 2022)

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| **Group** | **Representative** | **Contact details** |
| Ecma TC51 | Patrick LUTHI | Email: pl@ecma-international.org  |
| ETSI TC eHEALTH | Scott CADZOW | Email: scott@cadzow.com |
| European Commission | Michiel SWEERTS  | Email: Michiel.SWEERTS@ec.europa.eu |
| Stavros KOUNIS  | Email: Stavros.KOUNIS@ext.ec.europa.eu |
| FIDO Alliance | VACANT | - |
| GS1 | Neil PIPER | Email: neil.piper@gs1.org  |
| GSMA | VACANT | - |
| HL7 | Diego KAMINKER  | Email: Diego@hl7.org  |
| IEEE | VACANT | - |
| ISO/IEC JTC 1/SC 6 | Jean-Paul LEMAIRE | Email: jean-paul.lemaire@univ-paris-diderot.fr  |
| ISO/IEC JTC 1/SC 17 | Arjan GELUK | Email: Arjan.Geluk@ul.com  |
| ISO/IEC JTC 1/SC 27 | Kai RANNENBERG | Email: kai.rannenberg@m-chair.de  |
| ISO/IEC JTC 1/SC 31 | Henri BARTHEL | Email: henri.barthel@gs1.org  |
| ISO/IEC JTC 1/SC 35 | VACANT | - |
| ISO/IEC JTC 1/SC 37 | VACANT | - |
| ISO PC 317 | VACANT | - |
| ISO TC 215 | Masuyoshi YACHIDA | Email: yachida@ssr.titech.ac.jp  |
| ISO TC 307/JWG 4 | VACANT | - |
| ITU-T Focus Group on Artificial Intelligence for Health (FG-AI4H) | Ana Rivière CINNAMOND  | Email: rivierea@paho.org  |
| Shan XU  | Email: xushan@caict.ac.cn  |
| ITU-T Study Group 11 | Cheng LI | Email: licheng@caict.ac.cn  |
| ITU-T Study Group 12 | Samuel AGYEKUM | Email: samuel.agyekum@nca.org.gh  |
| ITU-T Study Group 13 | Gyu Myoung LEE  | Email: gmlee@kaist.ac.kr  |
| ITU-T Study Group 16 | VACANT | - |
| ITU-T Study Group 17 | Lia MOLINARI | Email: lmolinari@info.unlp.edu.ar  |
| Keundug PARK | Email: jacepark926@gmail.com  |
| ITU-T Study Group 20 | Jun Seob LEE | Email: juns@etri.re.kr |
| NIST | VACANT | - |
| RAISE Forum | VACANT | - |
| W3C DID WG | VACANT | - |
| WHO | Frederick LEITNER  | Email: leitnerc@who.int |

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