MINUTES OF THE 103rd MEETING OF ISO/IEC JTC1 SC17, WG10, HELD REMOTELY, 28 and 29 JANUARY 2025

Contents

1. WELCOME

The Convenor opened the meeting and welcomed the attendees. A roll call was conducted.

2. ADMINISTRATION

The meeting approved the agenda (draft version distributed as WG10N2551) and agreed on a schedule according to which the agenda topics were to be addressed.

The minutes of the 102nd WG10 meeting (WG10N2548) were accepted with no changes.

The meeting reviewed the ISO patent policy.

The meeting reviewed SC17N7195, "JTC1 Code of Conduct slide - 2023".

3. ACTION POINT 102.14

Old Action Points			
Action Point	**Responsible Person**	**Action Point Description**	**Status**
101.17.v2	Dima / Kristina	Provide an updated copy of WG10N2521 reflecting the updates applied during the Sapporo meeting.	Distributed as WG10N2547.
102.11	WG10	In the document provided under action point 101.17.v2, review the "Done" items, and follow the "on track" items.	Completed.
102.12	Kristina	Inform WG10 when items marked as "On track" in the document provided under action point 101.17.v2 progress to "Done".	WG10N2561.
102.13	Kristina	Distribute OpenID4VP + HAIP text to review at the January 2025 WG10 meeting.	HAIP: WG10N2560. OID4VP: Link in WG10N2561.
102.14	WG10	Confirm that the documents under action point 102.13 are consistent with the requirements previously shared by WG10 with the OIDF.	Discussed in the meeting – see notes below.

Kristina walked the meeting through WG10N2561. A new version of this document, reflecting updates applied as a result of discussions in the meeting, was distributed as WG10N2567. Kristina undertook to provide new versions of OpenID4VP and HAIP, as well as a companion version of WG10N2567, to WG10 by 18 February 2025.

New Action Points			
Action Point	**Responsible Person**	**Action Point Description**	**Due Date**
102.13.v2	Kristina	Distribute the current versions of OpenID4VP and HAIP, as well as a companion version of WG10N2561 that tracks the progress on requirements, for review at the March 2025 WG10 meeting.	18 February 2025.
102.14.v2	WG10	Review the documents under action point 102.13.v2 in preparation for the March 2025 WG10 meeting.	March 2025 WG10 meeting.

4.   ISO/IEC 18013-5

The meeting limited discussion to items not related to the 18013-5 CD ballot (which was closing on 5 February 2025).

Old Action Points			
Action Point	**Responsible Person**	**Action Point Description**	**Status**

74.06.v6	TF7 (Lead: Mike)	Report on the progress made on the following tasks:
		• Strategize on how to reach stakeholders, and what the primary message(s) should be. Specific new messages to cover:
		   o Explain how the mDL standard can support regular IDs.
		   o Clarify the place of ISO/IEC 18013-5 in the other parts of the series, and its relationship with the ISO/IEC 23220 series. In essence, prepare a description of mobile identification and which parts of which standards would be helpful for what, with focus on WG10 work, and within that on ISO/IEC 18013-5.
		   o To the extent that risks associated with ISO/IEC 18013-5 have been claimed by outside stakeholders, compile material discussing these claims and, if needed, mitigations.
		• Work on material in support of the above message(s). Consider leveraging existing material already compiled by stakeholders.
		• Confirm what branding may be used.
		• Consider a social media channel presence for WG10.
		• Consider including mention of contactless ID, and support for other documents.
		• Consider how material can be distributed.
			March 2025 WG10 meeting.

95.05	TF7 (Lead: Mike)	Generate a meeting report for public consumption. Distribute within WG10 for comment, and then disseminate publicly.	Two weeks after each meeting.
95.06	TF7 (Lead: Mike)	Compile a Q&A document.	March 2025 WG10 meeting.
77.05.v2	TF7 (Lead: Mike)	Prepare a draft promotional article on ISO/IEC 18013-5, similar to a previous article on IDL (see WG10N769, republished as WG10N2021). Consider WG10N2015 as a source of already prepared information. Specifically explain features that address the issues identified under AP 91.02.	March 2025 WG10 meeting.
102.04	TF7 (Lead: Mike)	Prepare an article on WG10 work for the monthly ISO newsletter.	WG10N2566.
76.06.v2	WG10	Review WG10N2535 (data retrieval using OpenID Connect).	March 2025 WG10 meeting.
77.03.v8	Remco	Include summarized information about earlier test events in the report on the 2024 Austroads test event.	As soon as possible.

Action Point	Responsible Person	Action Point Description	Status
86.12.v5	Chris G (lead), Loffie, Martijn, Andrew, Fabrice, Arjan, David Z, Ketan, Hicham, Mourad, Juliana, Mike, Jesse, Oliver, Remco, Matthias, Jan Willem, Patrick, Sebastien, Steve, Dima	There is a need to convey more information about the use and care of data by a relying party to an mDL holder at transaction time. Given that the "purpose hint" will be a structure (also see historical AP 97.06), define the functional content to be conveyed by the purpose hint. When defining the functional content, consider user interface needs (especially solutions that would not lead to user fatigue). Also consider what identifier or identifiers (e.g. financial industry LEI; Japanese GBizID) could be helpful in identifying a relying party.	March 2025 WG10 meeting. Add Akash.
86.15.v3	Nuno (Lead), Andrew (co-lead), Chris, Arjan, Mourad, Kenichi, Ketan, Martijn, Loffie, Jens	Pursue the publication of the updated version of WG10N2174 as a committee level document. Arrange with the SC17 Secretariat to forward any comments received to WG10.	As soon as possible.
87.06.v3	Martijn	Pursue publication of the MTU size correction as a minor revision, or failing concurrence by the ISO Secretariat as a corrigendum.	As soon as possible.
88.02.v2	Nuno (lead), Oliver (co-lead), Andrew (co-lead), Chris G, Jens, Xiangying, Vangelis, Arjan, Fabrice, Ketan, Mourad, Kenichi, Martijn, Loffie	Compile draft guidance on the potential use of a mDL document signer certificate for signing documents other than an mDL (with the intent of eventually adding this material to an updated version of WG10N2174 – see AP 86.15).	As soon as possible.
100.02	Fabrice (lead), David Z, Hicham, Mourad, Kenichi, Ketan, Steve, Martijn, Sebastien, Yash	Determine how to encrypt the document response separately from the session encryption layer.	March 2025 WG10 meeting.
101.05	David Z	In the context of the Protocol Service Multiplexer (PSM) solution, pursue adding new element LE PSM (0xTBD) to the OOB data block for NFC engagement.	March 2025 WG10 meeting.
97.05.v4	Remco (lead), Mourad, Matthias, Martijn, Hicham, Oliver, Fabrice, Sebastien, Nuno, Kenichi, Gareth, Ketan, Arjan, David Z, Juliana, Steve, Dima, Akash, Loffie	Building on WG10N2498, continue to investigate the use of (an extension in) the X.509 cert in readerAuth to (1) identify the relying party, and (2) convey reader authorization (which may include the purpose – see AP 97.06). If this is not the best place in the readerAuth structure to convey this, propose an alternative. Consider ETSI TS 119475 as input. Expand WG10N2454 by adding an option under which the authorizations associated with a relying party is stored on (or retrieved by) the wallet and not provided by the relying party.	March 2025 WG10 meeting. Not for inclusion in 2nd edition of Part 5.
101.06.v2	Martijn (lead), Yash, Kenichi	In response to WG10N2498, check if "write with response" will solve the issue raised in WG10N2498. Also check if this is a technically viable solution in the context of ISO/IEC 18013-5.	March 2025 WG10 meeting.
101.10.v2	Martijn	After incorporating the updates agreed to in the meeting, submit the text of 18013-5 2nd edition to the SC17 Secretariat for CD ballot.	WG10N2549.
102.05	Ketan (lead), Kenichi, Remco, Hicham, Jens, Mourad, Alban, Arjan.	Using WG10N2529 as a point of departure, investigate how post quantum cryptography (PQC) can or should be addressed in the 18013 series of standards. Also consider if a liaison with SC27 WG2 is needed.	March 2025 WG10 meeting.

	New Action Points		
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		  o Explain how the mDL standard can support regular IDs.
		  o Clarify the place of ISO/IEC 18013-5 in the other parts of the series, and its relationship with the ISO/IEC 23220 series. In essence, prepare a description of mobile identification and which parts of which standards would be helpful for what, with focus on WG10 work, and within that on ISO/IEC 18013-5.
		  o To the extent that risks associated with ISO/IEC 18013-5 have been claimed by outside stakeholders, compile material discussing these claims and, if needed, mitigations.
		• Work on material in support of the above message(s). Consider leveraging existing material already compiled by stakeholders.
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			March 2025 WG10 meeting.

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95.06	TF7 (Lead: Mike)	Compile a Q&A document.	March 2025 WG10 meeting.
77.05.v2	TF7 (Lead: Mike)	Prepare a draft promotional article on ISO/IEC 18013-5, similar to a previous article on IDL (see WG10N769, republished as WG10N2021). Consider WG10N2015 as a source of already prepared information. Specifically explain features that address the issues identified under AP 91.02.	March 2025 WG10 meeting.
102.04.v2	TF7 (Lead: Mike)	Distribute the JTC1 article on mDL to WG10.	As soon as possible.
76.06.v2	WG10	Review WG10N2535 (data retrieval using OpenID Connect).	March 2025 WG10 meeting.
77.03.v8	Remco	Include summarized information about earlier test events in the report on the 2024 Austroads test event.	As soon as possible.
86.12.v5	Chris G (lead), Loffie, Martijn, Andrew, Fabrice, Arjan, David Z, Ketan, Hicham, Mourad, Juliana, Mike, Jesse, Oliver, Remco, Matthias, Jan Willem, Patrick, Sebastien, Steve, Dima, Akash	There is a need to convey more information about the use and care of data by a relying party to an mDL holder at transaction time. Given that the "purpose hint" will be a structure (also see historical AP 97.06), define the functional content to be conveyed by the purpose hint. When defining the functional content, consider user interface needs (especially solutions that would not lead to user fatigue). Also consider what identifier or identifiers (e.g. financial industry LEI; Japanese GBizID) could be helpful in identifying a relying party.	March 2025 WG10 meeting.
86.15.v3	Nuno (Lead), Andrew (co-lead), Chris, Arjan, Mourad, Kenichi, Ketan, Martijn, Loffie, Jens	Pursue the publication of the updated version of WG10N2174 as a committee level document. Arrange with the SC17 Secretariat to forward any comments received to WG10.	As soon as possible.
87.06.v3	Martijn	Pursue publication of the MTU size correction as a minor revision, or failing concurrence by the ISO Secretariat as a corrigendum.	As soon as possible.

New Action Points			
Action Point	**Responsible Person**	**Action Point Description**	**Due Date**
88.02.v2	Nuno (lead), Oliver (co-lead), Andrew (co-lead), Chris G, Jens, Xiangying, Vangelis, Arjan, Fabrice, Ketan, Mourad, Kenichi, Martijn, Loffie	Compile draft guidance on the potential use of a mDL document signer certificate for signing documents other than an mDL (with the intent of eventually adding this material to an updated version of WG10N2174 – see AP 86.15).	As soon as possible.
100.02	Fabrice (lead), David Z, Hicham, Mourad, Kenichi, Ketan, Steve, Martijn, Sebastien, Yash	Determine how to encrypt the document response separately from the session encryption layer.	March 2025 WG10 meeting.
101.05	David Z	In the context of the Protocol Service Multiplexer (PSM) solution, pursue adding new element LE PSM (0xTBD) to the OOB data block for NFC engagement.	March 2025 WG10 meeting.
97.05.v4	Remco (lead), Mourad, Matthias, Martijn, Hicham, Oliver, Fabrice, Sebastien, Nuno, Kenichi, Gareth, Ketan, Arjan, David Z, Juliana, Steve, Dima, Akash, Loffie	Building on WG10N2498, continue to investigate the use of (an extension in) the X.509 cert in readerAuth to (1) identify the relying party, and (2) convey reader authorization (which may include the purpose – see AP 97.06). If this is not the best place in the readerAuth structure to convey this, propose an alternative. Consider ETSI TS 119475 as input. Expand WG10N2454 by adding an option under which the authorizations associated with a relying party is stored on (or retrieved by) the wallet and not provided by the relying party.	March 2025 WG10 meeting. Not for inclusion in 2nd edition of Part 5.
101.06.v2	Martijn (lead), Yash, Kenichi	In response to WG10N2498, check if "write with response" will solve the issue raised in WG10N2498. Also check if this is a technically viable solution in the context of ISO/IEC 18013-5.	March 2025 WG10 meeting.
101.10.v2	Martijn	After incorporating the updates agreed to in the meeting, submit the text of 18013-5 2nd edition to the SC17 Secretariat for CD ballot.	WG10N2549.
102.05	Ketan (lead), Kenichi, Remco, Hicham, Jens, Mourad, Alban, Arjan.	Using WG10N2529 as a point of departure, investigate how post quantum cryptography (PQC) can or should be addressed in the 18013 series of standards. Also consider if a liaison with SC27 WG2 is needed.	March 2025 WG10 meeting.

5.   ISO/IEC WD 18013-7

Old Action Points				
Action Point	**Responsible Person**	**Action Point Description**	**Part 7 Priority List Item**	**Status**
85.03.v3	Kenichi (lead), Tony, Kristina, David C, Andrew, Christopher	Monitor and report to WG10 on the work being conducted in WG4 (23220-2 for data; 23220-4 for selective disclosure) to address the open items in the SD-JWT concept, including blinding of data and how SD-JWT works with namespaces. Neither 23220-2 nor 2322-04 addresses SD-JWT in its 1st editions.	Technically 1a; priority-wise not in 1st edition of 18013-7	Awaiting 23220-4 2nd edition. March 2025 WG10 meeting.
86.24.v3	TF13 (lead: David Z)	Create content to expand on ISO/IEC 18013-5 Annex E for purposes of ISO/IEC 18013-7 (not in the 1st edition though). Final material could be included in ISO/IEC 18013-7 or in the Technical Report. Also consult the security section in ISO/IEC 23220-4.	1a	March 2025 WG10 meeting.

Old Action Points				
Action Point	**Responsible Person**	**Action Point Description**	**Part 7 Priority List Item**	**Status**
74.07.v8	Ketan (lead), Fabrice, Jesse, Mourad, Sébastien, Kenichi, Matthias, Arjan, Jens, David Z, Xiangying, Tony, David C, Martijn, Sebastian, Nuno, Andrew, Alan, Loffie, Christopher, Kristina, Nic, Seth, Juliana, Raul	Holder verification on a device: Draft requirements for what on-device matching methods/steps/approaches may be equivalent to a verifier matching the holder to the issuer-signed portrait image where possession of the device by the presenter at transaction time is assumed confirmed by the relying party. Consider if WG4 photo ID requirements work for mDL. Pay attention to accessibility issues. Work on the case where possession of the device at transaction time is NOT assumed confirmed by the relying party is to be addressed later.	1b	March 2025 WG10 meeting.
100.06.v2	WG10	Given WG10N2481, submit contributions on whether there are different requirements for in-person and over-the-Internet use.	1b	March 2025 WG10 meeting.
72.05.v4	Ketan (lead), Fabrice, Jesse, Mourad, Sébastien, Kenichi, Matthias, Arjan, Jens, David Z, Xiangying, Tony, David C, Martijn, Sebastian, Loffie, Nuno, Andrew, Alan, Christopher, Nic, Kristina, Juliana, Raul	Holder verification on a device: Building on 7.1.1.2 of 23220-4 WD10 and on the progress reported in WG10N1891, continue meeting to consider options for conveying, as a FYI to a verifier (since the verifier is also receiving a YES/NO match result which in the simple case will be the primary result the verifier wants), information about how holder verification was performed. There is a preference to have a single Technical Specification cover both the functionality (by way of a reference to 23220) and the associated test methods. In addition, investigate how this additional information maps to FIDO user verification levels.	1b (nice to have)	March 2025 WG10 meeting.
87.15	Fabrice	Distribute the latest documentation of work being conducted within WG4 in respect of AP 74.07 and AP 72.05 to WG10.	1b	March 2025 WG10 meeting.
78.08.v5	Martijn	Distribute a version of WG10N2537 that reflects the disposition of comments agreed on in the Sapporo meeting.		WG10N2568
TF14.11.01.v7	David Z (lead), Sebastian, Arjan, Mourad, Fabrice, Tony, Christopher, Hicham, Loffie, Remco, Martijn, Kenichi, Ketan, Jens, Taejin, Andrew, Jesse, Mohamed, Juliana	Using WG10N2455 and WG10N2541 as points of departure, continue to refine the ZKP concept and propose changes to the standard.	2	Have had 2 meetings already. March 2025 WG10 meeting. Add Paolo.
72.12.v5	Fabrice (lead), Jesse, Matthias, Sébastien, Ketan, Arjan, Jens, Reinhard, Mourad, Martijn, Sebastian, Andrew, David C, Loffie, David Z, Mike M	Explore potential solutions for real time (i.e. during a transaction) engagement initiated by the reader operator over a distance (e.g. an official in a car to a person in another car). Could the mDL holder's vehicle act as an engagement aid to specifically the driver's credential?	2	March 2025 WG10 meeting.
102.08	Martijn	Register the mdoc scheme with IANA.		As soon as possible.
102.09	Oliver	Investigate registering the OpenID4VP scheme with IANA.		18013-7 Annex B. As soon as possible.
102.10	Oliver	Update the example to include state in the response.		Not needed anymore.

Old Action Points				
Action Point	**Responsible Person**	**Action Point Description**	**Part 7 Priority List Item**	**Status**
102.15	Martijn	Distribute the updated version of 18013-7 for a 2-week review period (for WG10 to confirm that the changes agreed to in the meeting were applied correctly).		Completed. WG10N2544; WG10N2545.
102.16	WG10	Review the document under action point 102.15 to confirm that the changes agreed to in the meeting have been applied correctly.		No comments were received.
102.17	Martijn	Absent any unresolved comments under action point 102.16, submit the text of 18013-7 2nd edition to the SC17 Secretariat for DTS ballot.		Completed.
102.18	Tony (lead), Hicham, Joseph, Gareth, Kenichi, Loffie, Martijn, Matthias, Kristina, Steve, Oliver	Propose updates to TR25219 to cover: • OID4VP is coming, and is being developed with WG10 input; will support multiple document formats. • Browser API may change over time. • Browser API privacy and security discussion.		WG10N2557 WG10 to provide comments by the March 2025 WG10 meeting. Added Juliana after the Sapporo meeting.
102.19	Loffie	Initiate registration of a project to update TR 25219.		Completed.
102.20	WG10	Review the section on 18013-7 in WG10N2542 (the second engagement letter from the European Commission), and forward comments to Loffie.		No comments were received.
102.21	Loffie	Incorporate feedback received under action item 102.20 into WG010Nxxx, and respond to the European Commission.		Completed.

New Action Points				
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85.03.v3	Kenichi (lead), Tony, Kristina, David C, Andrew, Christopher	Monitor and report to WG10 on the work being conducted in WG4 (23220-2 for data; 23220-4 for selective disclosure) to address the open items in the SD-JWT concept, including blinding of data and how SD-JWT works with namespaces. Neither 23220-2 nor 2322-04 addresses SD-JWT in its 1st editions.	Technically 1a; priority-wise not in 1st edition of 18013-7	Awaiting 23220-4 2nd edition. March 2025 WG10 meeting.
86.24.v3	TF13 (lead: David Z)	Create content to expand on ISO/IEC 18013-5 Annex E for purposes of ISO/IEC 18013-7 (not in the 1st edition though). Final material could be included in ISO/IEC 18013-7 or in the Technical Report. Also consult the security section in ISO/IEC 23220-4.	1a	March 2025 WG10 meeting.
74.07.v8	Ketan (lead), Fabrice, Jesse, Mourad, Sébastien, Kenichi, Matthias, Arjan, Jens, David Z, Xiangying, Tony, David C, Martijn, Sebastian, Nuno, Andrew, Alan, Loffie, Christopher, Kristina, Nic, Seth, Juliana, Raul	Holder verification on a device: Draft requirements for what on-device matching methods/steps/approaches may be equivalent to a verifier matching the holder to the issuer-signed portrait image where possession of the device by the presenter at transaction time is assumed confirmed by the relying party. Consider if WG4 photo ID requirements work for mDL. Pay attention to accessibility issues. Work on the case where possession of the device at transaction time is NOT assumed confirmed by the relying party is to be addressed later.	1b	March 2025 WG10 meeting.

New Action Points				
Action Point	**Responsible Person**	**Action Point Description**	**Part 7 Priority List Item**	**Due Date**
100.06.v2	WG10	Given WG10N2481, submit contributions on whether there are different requirements for in-person and over-the-Internet use.	1b	March 2025 WG10 meeting.
72.05.v4	Ketan (lead), Fabrice, Jesse, Mourad, Sébastien, Kenichi, Matthias, Arjan, Jens, David Z, Xiangying, Tony, David C, Martijn, Sebastian, Loffie, Nuno, Andrew, Alan, Christopher, Nic, Kristina, Juliana, Raul	Holder verification on a device: Building on 7.1.1.2 of 23220-4 WD10 and on the progress reported in WG10N1891, continue meeting to consider options for conveying, as a FYI to a verifier (since the verifier is also receiving a YES/NO match result which in the simple case will be the primary result the verifier wants), information about how holder verification was performed. There is a preference to have a single Technical Specification cover both the functionality (by way of a reference to 23220) and the associated test methods. In addition, investigate how this additional information maps to FIDO user verification levels.	1b (nice to have)	March 2025 WG10 meeting.
87.15	Fabrice	Distribute the latest documentation of work being conducted within WG4 in respect of AP 74.07 and AP 72.05 to WG10.	1b	March 2025 WG10 meeting.
TF14.11.01.v7	David Z (lead), Sebastian, Arjan, Mourad, Fabrice, Tony, Christopher, Hicham, Loffie, Remco, Martijn, Kenichi, Ketan, Jens, Taejin, Andrew, Jesse, Mohamed, Juliana, Paolo	Using WG10N2455 and WG10N2541 as points of departure, continue to refine the ZKP concept and propose changes to the standard.	2	March 2025 WG10 meeting.
72.12.v5	Fabrice (lead), Jesse, Matthias, Sébastien, Ketan, Arjan, Jens, Reinhard, Mourad, Martijn, Sebastian, Andrew, David C, Loffie, David Z, Mike M	Explore potential solutions for real time (i.e. during a transaction) engagement initiated by the reader operator over a distance (e.g. an official in a car to a person in another car). Could the mDL holder's vehicle act as an engagement aid to specifically the driver's credential?	2	March 2025 WG10 meeting.
102.08	Martijn	Register the mdoc scheme with IANA.		As soon as possible.
102.09.v2	Oliver	Investigate registering the OpenID4VP scheme in 18013-7 Annex B with IANA.		As soon as possible.
103.01	Tony	Update the text for TR 25219 on the ISO OSD platform to match the text in WG10N2557.		As soon as possible.
102.18.v2	WG10	Review WG10N2557 in preparation for discussion at the March 2025 WG10 meeting.		March 2025 WG10 meeting.

6.   CONCLUSION

Loffie expressed his appreciation to everyone for their participation and hard work. The meeting then adjourned.

7.   ACTION POINT LIST

New Action Points			
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74.06.v6	TF7 (Lead: Mike)	Report on the progress made on the following tasks:
		• Strategize on how to reach stakeholders, and what the primary message(s) should be. Specific new messages to cover:
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102.04.v2	TF7 (Lead: Mike)	Distribute the JTC1 article on mDL to WG10.	As soon as possible.
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86.15.v3	Nuno (Lead), Andrew (co-lead), Chris, Arjan, Mourad, Kenichi, Ketan, Martijn, Loffie, Jens	Pursue the publication of the updated version of WG10N2174 as a committee level document. Arrange with the SC17 Secretariat to forward any comments received to WG10.	As soon as possible.
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88.02.v2	Nuno (lead), Oliver (co-lead), Andrew (co-lead), Chris G, Jens, Xiangying, Vangelis, Arjan, Fabrice, Ketan, Mourad, Kenichi, Martijn, Loffie	Compile draft guidance on the potential use of a mDL document signer certificate for signing documents other than an mDL (with the intent of eventually adding this material to an updated version of WG10N2174 – see AP 86.15).	As soon as possible.
100.02	Fabrice (lead), David Z, Hicham, Mourad, Kenichi, Ketan, Steve, Martijn, Sebastien, Yash	Determine how to encrypt the document response separately from the session encryption layer.	March 2025 WG10 meeting.
101.05	David Z	In the context of the Protocol Service Multiplexer (PSM) solution, pursue adding new element LE PSM (0xTBD) to the OOB data block for NFC engagement.	March 2025 WG10 meeting.
97.05.v4	Remco (lead), Mourad, Matthias, Martijn, Hicham, Oliver, Fabrice, Sebastien, Nuno, Kenichi, Gareth, Ketan, Arjan, David Z, Juliana, Steve, Dima, Akash, Loffie	Building on WG10N2498, continue to investigate the use of (an extension in) the X.509 cert in readerAuth to (1) identify the relying party, and (2) convey reader authorization (which may include the purpose – see AP 97.06). If this is not the best place in the readerAuth structure to convey this, propose an alternative. Consider ETSI TS 119475 as input. Expand WG10N2454 by adding an option under which the authorizations associated with a relying party is stored on (or retrieved by) the wallet and not provided by the relying party.	March 2025 WG10 meeting. Not for inclusion in 2nd edition of Part 5.
101.06.v2	Martijn (lead), Yash, Kenichi	In response to WG10N2498, check if "write with response" will solve the issue raised in WG10N2498. Also check if this is a technically viable solution in the context of ISO/IEC 18013-5.	March 2025 WG10 meeting.
101.10.v2	Martijn	After incorporating the updates agreed to in the meeting, submit the text of 18013-5 2nd edition to the SC17 Secretariat for CD ballot.	WG10N2549.
102.05	Ketan (lead), Kenichi, Remco, Hicham, Jens, Mourad, Alban, Arjan.	Using WG10N2529 as a point of departure, investigate how post quantum cryptography (PQC) can or should be addressed in the 18013 series of standards. Also consider if a liaison with SC27 WG2 is needed.	March 2025 WG10 meeting.
85.03.v3	Kenichi (lead), Tony, Kristina, David C, Andrew, Christopher	Monitor and report to WG10 on the work being conducted in WG4 (23220-2 for data; 23220-4 for selective disclosure) to address the open items in the SD-JWT concept, including blinding of data and how SD-JWT works with namespaces. Neither 23220-2 nor 2322-04 addresses SD-JWT in its 1st editions.	Awaiting 23220-4 2nd edition. March 2025 WG10 meeting.
86.24.v3	TF13 (lead: David Z)	Create content to expand on ISO/IEC 18013-5 Annex E for purposes of ISO/IEC 18013-7 (not in the 1st edition though). Final material could be included in ISO/IEC 18013-7 or in the Technical Report. Also consult the security section in ISO/IEC 23220-4.	March 2025 WG10 meeting.
74.07.v8	Ketan (lead), Fabrice, Jesse, Mourad, Sébastien, Kenichi, Matthias, Arjan, Jens, David Z, Xiangying, Tony, David C, Martijn, Sebastian, Nuno, Andrew, Alan, Loffie, Christopher, Kristina, Nic, Seth, Juliana, Raul	Holder verification on a device: Draft requirements for what on-device matching methods/steps/approaches may be equivalent to a verifier matching the holder to the issuer-signed portrait image where possession of the device by the presenter at transaction time is assumed confirmed by the relying party. Consider if WG4 photo ID requirements work for mDL. Pay attention to accessibility issues. Work on the case where possession of the device at transaction time is NOT assumed confirmed by the relying party is to be addressed later.	March 2025 WG10 meeting.
100.06.v2	WG10	Given WG10N2481, submit contributions on whether there are different requirements for in-person and over-the-Internet use.	March 2025 WG10 meeting.

New Action Points			
Action Point	**Responsible Person**	**Action Point Description**	**Due Date**
72.05.v4	Ketan (lead), Fabrice, Jesse, Mourad, Sébastien, Kenichi, Matthias, Arjan, Jens, David Z, Xiangying, Tony, David C, Martijn, Sebastian, Loffie, Nuno, Andrew, Alan, Christopher, Nic, Kristina, Juliana, Raul	Holder verification on a device: Building on 7.1.1.2 of 23220-4 WD10 and on the progress reported in WG10N1891, continue meeting to consider options for conveying, as a FYI to a verifier (since the verifier is also receiving a YES/NO match result which in the simple case will be the primary result the verifier wants), information about how holder verification was performed. There is a preference to have a single Technical Specification cover both the functionality (by way of a reference to 23220) and the associated test methods. In addition, investigate how this additional information maps to FIDO user verification levels.	March 2025 WG10 meeting.
87.15	Fabrice	Distribute the latest documentation of work being conducted within WG4 in respect of AP 74.07 and AP 72.05 to WG10.	March 2025 WG10 meeting.
TF14.11.01.v7	David Z (lead), Sebastian, Arjan, Mourad, Fabrice, Tony, Christopher, Hicham, Loffie, Remco, Martijn, Kenichi, Ketan, Jens, Taejin, Andrew, Jesse, Mohamed, Juliana, Paolo	Using WG10N2455 and WG10N2541 as points of departure, continue to refine the ZKP concept and propose changes to the standard.	March 2025 WG10 meeting.
72.12.v5	Fabrice (lead), Jesse, Matthias, Sébastien, Ketan, Arjan, Jens, Reinhard, Mourad, Martijn, Sebastian, Andrew, David C, Loffie, David Z, Mike M	Explore potential solutions for real time (i.e. during a transaction) engagement initiated by the reader operator over a distance (e.g. an official in a car to a person in another car). Could the mDL holder's vehicle act as an engagement aid to specifically the driver's credential?	March 2025 WG10 meeting.
102.08	Martijn	Register the mdoc scheme with IANA.	As soon as possible.
102.09.v2	Oliver	Investigate registering the OpenID4VP scheme in 18013-7 Annex B with IANA.	As soon as possible.
102.13.v2	Kristina	Distribute the current versions of OpenID4VP and HAIP, as well as a companion version of WG10N2561 that tracks the progress on requirements, for review at the March 2025 WG10 meeting.	18 February 2025.
102.14.v2	WG10	Review the documents under action point 102.13.v2 in preparation for the March 2025 WG10 meeting.	March 2025 WG10 meeting.
103.01	Tony	Update the text for TR 25219 on the ISO OSD platform to match the text in WG10N2557.	As soon as possible.
102.18.v2	WG10	Review WG10N2557 in preparation for discussion at the March 2025 WG10 meeting.	March 2025 WG10 meeting.

8. ATTENDANCE LIST

First Name	Last Name	Representing	28-Jan	29-Jan
Mourad	Faher	AFNOR (France)	x	x
Andreea	Prian	AFNOR (France)	x	x
Daniel	Bachenheimer	ANSI (United States)	x	x
Juliana	Cafik	ANSI (United States)	x	x
Lee	Campbell	ANSI (United States)	x	
Sofian	Chouder (NIST, for Ketan)	ANSI (United States)	x	x
Gord	Coulson	ANSI (United States)	x	x
Pamela	Dingle	ANSI (United States)	x	
Marie	Jordan	ANSI (United States)	x	x
Hicham	Lozi	ANSI (United States)	x	x
Mike	McCaskill	ANSI (United States)	x	x
Ketan	Mehta	ANSI (United States)		x
Anthony	Nadalin	ANSI (United States)	x	x
Gareth	Oliver	ANSI (United States)	x	x
Josh	Rooke-Ley	ANSI (United States)	x	x

First Name	Last Name	Representing	28-Jan	29-Jan
Akash	Shah	ANSI (United States)	x	
Steve	Venema	ANSI (United States)	x	x
David	Zeuthen	ANSI (United States)	x	x
Oliver	Terbu	ASI (Austria)	x	x
Gethin	James	BSI (United Kingdom)	x	x
Paul	Bastian	Convenor's Guest	x	
Brian	Campbell	Convenor's Guest	x	
Mohamed	Ratni	DIN (Germany)		x
Matthias	Schwan	DIN (Germany)	x	x
Jens	Urmann	DIN (Germany)	x	x
Loffie	Jordaan	ISO/IEC JTC 1/SC 17/WG 10	x	x
Chiseko	HIROTA	JISC (Japan)	x	x
Kenichi	NAKAMURA	JISC (Japan)	x	x
Yasuo	Takeuchi	JISC (Japan)	x	x
A.J.	Geluk BBA	NEN (Netherlands)	x	x
Martijn	Haring	NEN (Netherlands)	x	x
R.	Schaar	NEN (Netherlands)	x	x
Joseph	Heenan	OIDF	x	x
Bjorn	Hjelm	OIDF	x	x
Kristina	Yasuda	OIDF	x	x
Christopher	Goh	SA (Australia)	x	
Andrew	Hughes	SCC (Canada)	x	x
Andrii	Leliak	SE UkrNDNC (Ukraine)	x	x
Mykola	Oleshchuk	SE UkrNDNC (Ukraine)	x	
Marina	Ioannou	SIS (Sweden)	x	x