



**ISO/TC 184/SC 4 "Industrial data"**  
Secretariat: **ANSI**  
Committee Manager: **Tripp Dana Ms**



## **SC 4 Newsletter V26 N01**

| Document type               | Related content | Document date | Expected action |
|-----------------------------|-----------------|---------------|-----------------|
| General document /<br>Other |                 | 2021-04-16    | <b>INFO</b>     |

**International Organization for Standardization  
Technical Committee 184  
Subcommittee 4: Industrial Data**

**Newsletter  
Vol 26 N01**

2021-04-12



# Newsletter Vol 26 N01

International Organization for Standardization  
Technical Committee 184  
Subcommittee 4: Industrial Data  
2021-04-12



## TABLE OF CONTENTS

|                                                                      |    |
|----------------------------------------------------------------------|----|
| 1. What's New.....                                                   | 4  |
| 1.1 Message from the Chairman.....                                   | 4  |
| 1.2 Message from the Committee Manager.....                          | 5  |
| 2. Ballots.....                                                      | 6  |
| 2.1 CD, CIB, DIS and NP Ballots (as of 2021-04-14).....              | 6  |
| 3. SC 4 Meetings.....                                                | 6  |
| 3.1 81 <sup>st</sup> Plenary.....                                    | 6  |
| 3.2 Future Plenary Meetings.....                                     | 6  |
| 4. Membership.....                                                   | 7  |
| 1.1 Participating Members.....                                       | 7  |
| 4.1.1 List of P-members and their representative name and email..... | 7  |
| 4.1.2 P-members Meeting Attendance.....                              | 8  |
| 4.2 Observing Members.....                                           | 9  |
| 4.3 Working Groups.....                                              | 9  |
| 4.4 External Liaisons.....                                           | 10 |
| 4.5 Internal ISO/IEC Liaisons.....                                   | 12 |
| 5. SC 4 Information.....                                             | 14 |
| 5.1 Standards Catalog.....                                           | 15 |
| 5.2 Quality Committee Update.....                                    | 15 |
| 5.3 Draft Meeting Report.....                                        | 17 |
| 5.4 Cumulative Resolutions.....                                      | 17 |
| 5.5 Open Action Log.....                                             | 17 |
| 6. News and Media.....                                               | 17 |
| 6.1 News from ISO.....                                               | 17 |
| 6.2 ISO Connect.....                                                 | 17 |
| 6.3 TMB Communiqué.....                                              | 17 |
| 6.4 Social Media.....                                                | 18 |
| 6.5 Changes to Standards Development.....                            | 18 |
| 6.6 Changes to ISO Services.....                                     | 18 |



**Newsletter Vol 26 N01**  
**International Organization for Standardization**  
**Technical Committee 184**  
**Subcommittee 4: Industrial Data**  
**2021-04-12**



|                                      |    |
|--------------------------------------|----|
| 6.7 ISO Meeting Management.....      | 18 |
| 7. Newsletter Items of Interest..... | 18 |



# Newsletter Vol 26 N01

International Organization for Standardization  
Technical Committee 184  
Subcommittee 4: Industrial Data  
2021-04-12



## 1. What's New

### 1.1 Message from the Chairman

I hope this newsletter reaches you safe and healthy! As I was reflecting on our Newsletter from this time last year, I noted how quickly things can change with ISO's quick conversion to virtual operations and our own rapid adjustment to an all-virtual Plenary. A year later, we continue our virtual operations with new learnings and adjustments that support both our mission and the distributed worldwide team. One learning that we have incorporated into the May Plenary is an integrated schedule for the month of April where all Working Group schedules can be seen at a glance giving us the needed visibility for experts to participate. In addition, we are continuing the practice of scheduling some activities in advance of the Plenary that normally would have been conducted during the week. The Plenary week itself will look and feel very similar to our November meeting where the timeslot from 1200 - 1600 UTC is prioritized to give SC 4 members the needed updates from Working Groups, Ad Hoc Groups, Task Forces, and Liaisons.

We have also been hard at work finalizing key productivity enhancements with the Committee with our Committee Innovations projects. Of the three in execution, two will be giving their final reports to SC 4 and providing their recommendations to ISO. ISO 8000-2 Vocabulary sought to develop an enhancement to how a vocabulary can be managed using the ISO Amendment procedure and release multiple times a year. ISO 15926-4 sought to enhance [standards.iso.org](https://standards.iso.org) with referencing functionality that would give a standard that "one click" access to electronic inserts and its historical versions using web page technology. While not finalizing at this time, it is worth mentioning that ISO 10303 SRL is making great progress in developing a Continuous Integration solution for managing tomorrow's version of the SMRL in modern tooling, enabling a significant simplification in the development of the standard. Finally, the Committee Specific Procedure for JWG 24's management of ISO standards in a database format using the IEC CDD is progressing following comment review.

Finally, we have been contributing technical recommendations in a number of areas relative to Smart Manufacturing, Digital Twins and the Model Based Enterprise. The ISO Smart Manufacturing Coordination Committee, of which SC 4 is a member, was recently in front of the TMB and received a renewal of its charter for an additional two years. In addition to providing a forum for collaboration across approximately 30 ISO TC's and SC's, the SMCC is developing a white paper on the transformative opportunity Smart Manufacturing brings to industry through standardization. Digital Twin continues to be an active topic in several forums. At the parent ISO/TC 184 level, the Digital Twin Ad Hoc Group was converted to an Advisory Group on Digital Twin and will be offering recommendations to SC's regarding terminology and harmonization of concepts. This



# Newsletter Vol 26 N01

International Organization for Standardization  
Technical Committee 184  
Subcommittee 4: Industrial Data  
2021-04-12



fits nicely with the work in SC 4 and offers the opportunity to leverage the extensive information model foundation of the SC's work toward vocabularies and ontology based systems.

Stay healthy, remain safe and I look forward to seeing you online!

**Kenny Swope**  
Chair, ISO/TC 184/SC 4

## 1.2 Message from the Committee Manager

I look forward to meeting with you all at the upcoming virtual plenary in May. I trust this will be a very productive event for all WGs holding sessions prior to that week. As always, please let me know if you have any items requiring my attention before, during, or after the meeting.

First, I would like to comment on the success of the migration of the ISO/TC 184/SC 4 documents from eCommittees to the new ISO Documents platform in December of 2020. With the success of the informative training sessions, this transition has been completed smoothly and efficiently. Our public documents folder that contains the SC 4 Standing Documents and our ISO Forums continue to operate from the old platform awaiting functionality to be delivered in the new system. All said, a very smooth transition to the new system with thanks to the ISO staff that made this possible.

From ISO, there has been a change in the Editorial Program Manager role. Mr. Bastien Gavaille joined in February following a rebalancing of workload in the ISO Central Secretariat and replaces Ms. Jessica Navarria. We thank Jessica for all her hard work and contributions to SC 4 and welcome Bastien to the Committee. As many of you have already seen, Bastien hit the ground running and is ensuring that we don't miss a beat on meeting our time-lines for standards releases.

Also, please visit the new ISO/TC 184/SC 4 website [here](#).

Thank you all for your time and please do not hesitate to contact me if you need anything or have any questions. Stay safe and healthy!

**Dana Tripp**  
Committee Manager, ISO/TC 184/SC 4

## 2. Ballots

### 2.1 CD, CIB, DIS and NP Ballots (as of 2021-04-14)

This section highlights the ballots that have closed since the last meeting.



# Newsletter Vol 26 N01

International Organization for Standardization  
Technical Committee 184  
Subcommittee 4: Industrial Data  
2021-04-12



| Type | Reference                           | Status      | Start date | End date   |
|------|-------------------------------------|-------------|------------|------------|
| CD   | ISO/CD 8000-150                     | Approved    | 2020-11-19 | 2021-01-14 |
| CD   | ISO/CD 8000-84                      | Approved    | 2020-10-31 | 2020-12-06 |
| CD   | ISO/DTS 8000-82                     | Approved    | 2020-12-12 | 2021-02-06 |
| CIB  | JWG 24 Committee Specific Procedure | Approved    | 2020-11-20 | 2021-01-01 |
| DIS  | ISO/DIS 10303-59 (Ed3)              | Approved    | 2020-10-26 | 2021-01-18 |
| DTR  | ISO/DTR 24463                       | Approved    | 2021-01-21 | 2021-03-19 |
| DTR  | ISO/DTR 10303-4000                  | Approved    | 2021-01-22 | 2021-03-19 |
| NP   | ISO/PWI 3151                        | Disapproved | 2020-10-20 | 2021-01-12 |

## 3. SC 4 Meetings

### 3.1 81<sup>st</sup> Plenary

The 81<sup>st</sup> ISO/TC 184/SC 4 meeting is scheduled for 2021-05-10/14 in a virtual setting per ISO direction. Note that due to the COVID-19 crisis, ISO has extended the decision to require all meetings to be held virtually through 30 June 2021. ISO will continue to monitor and update this guidance for future meetings.

### 3.2 Future Plenary Meetings

The following locations have been scheduled for the next three meetings:

|                          |                                |                  |
|--------------------------|--------------------------------|------------------|
| 82 <sup>nd</sup> Plenary | 2021 October 25-29             | Hamamatsu, Japan |
| 83 <sup>rd</sup> Plenary | 2022 May 15-21 (Super Meeting) | Germany          |
| 84 <sup>th</sup> Plenary | 2022 Fall                      | Open (TBD)       |

Note ongoing COVID restrictions may alter the venue of future meetings.

Future Plenary meetings are currently open and should any of the National Bodies wish to host the meetings, please follow the guidelines set out in the SC 4 Host Guidelines and send the SC Committee Manager an offer letter. The Committee Manager will circulate offer to the Chair and PPC for consideration. The Host Guidelines are located on the SC 4 eCommittee website under the “General Committee Documents” folder as document N2904. The usual ISO eCommittee login is required to use this website. Retrieving the document can be accomplished by clicking [here](#).

The ISO/IEC Directives, Part 1 Consolidated ISO Supplement – Procedures, Paragraph 4.1.2 (Eleventh Edition, 2020), recommend that each committee plan a 2-year program of meetings. In light of that recommendation, the following table shows the last 10 Plenary meetings and the next two meetings. Past meetings are presented in order that potential



# Newsletter Vol 26 N01

International Organization for Standardization  
Technical Committee 184  
Subcommittee 4: Industrial Data  
2021-04-12



national bodies can review the venues over the past five years. The current upcoming Plenary Meeting is shaded in Green. Currently national body proposed meetings are shaded in purple and unscheduled or open Plenary are shaded in red.

| Plenary          | Venue                           | Date (YYYY-MM) |
|------------------|---------------------------------|----------------|
| 71 <sup>st</sup> | Sapporo, Japan                  | 2016 - 05      |
| 72 <sup>nd</sup> | Seattle, Washington, USA        | 2016 - 10      |
| 73 <sup>rd</sup> | Oslo, Norway                    | 2017 - 05      |
| 74 <sup>th</sup> | Jeju, Korea                     | 2017 - 11      |
| 75 <sup>th</sup> | Beijing, China                  | 2018 - 06      |
| 76 <sup>th</sup> | Chicago, Illinois, USA          | 2018 - 11      |
| 77 <sup>th</sup> | Toulouse, France                | 2019 - 05      |
| 78 <sup>th</sup> | Marina del Rey, California, USA | 2019 - 11      |
| 79 <sup>th</sup> | Virtual Meeting                 | 2020 - 05      |
| 80 <sup>th</sup> | Virtual Meeting                 | 2020 - 11      |
| 81 <sup>st</sup> | Virtual Meeting                 | 2021 - 05      |
| 82 <sup>nd</sup> | Hamamatsu, Japan                | 2021 - 10      |
| 83 <sup>rd</sup> | Germany - Supermeeting          | 2022 - 05      |
| 84 <sup>th</sup> | (TBD)                           | 2022 - Fall    |

## 4. Membership

This is a summary of SC 4 key points of contact which are current as of the 81<sup>st</sup> Virtual Plenary Meeting. If you have any corrections to the following information please contact the Committee Manager noting the error by sending an email to [trippdsc4@gmail.com](mailto:trippdsc4@gmail.com).

### 1.1 Participating Members

#### 4.1.1 List of P-members and their representative name and email.

| Org    | Country            | Name                  | Email                          |
|--------|--------------------|-----------------------|--------------------------------|
| AFNOR  | France             | Turcanu, Roxana       | roxana.turcanu@afnor.org       |
| ANSI   | United States      | Koshy, Sheron         | koshy@eccma.org                |
| BSI    | United Kingdom     | Channe, Jasnam        | jasnam.channe@bsigroup.com     |
| DIN    | Germany            | Gröpper, Meinolf      | meinolf.groepper@vdma.org      |
| GOST R | Russian Federation | Yakimov, Oleg         | oyakimov@gost.ru               |
| JISC   | Japan              | Ohtaka, Akihiko       | akihiko.ohtaka@gmail.com       |
| KATS   | Korea, Republic of | Oh, Kwanghae          | jungbo@kats.go.kr              |
| NSAI   | Ireland            | Aran, Sean            | standards@nsai.ie              |
| NEN    | Netherlands        | van Rijsinge, Paul    | paul.vanrijsinge@nen.nl        |
| SABS   | South Africa       | Maheya, Mmakgabo      | mmakgabo.maheya@sabs.co.za     |
| SAC    | China              | Hong, Yan             | hongy@cni.ac.cn                |
| SIS    | Sweden             | Widstrom, Katarina    | katarina.widstrom@sis.se       |
| SFS    | Finland            | Rapinoja, Jukka-Pekka | jukka-pekka.rapinoja@metsta.fi |
| SN     | Norway             | Aune, Knut            | kau@standard.no                |



# Newsletter Vol 26 N01

International Organization for Standardization  
Technical Committee 184  
Subcommittee 4: Industrial Data  
2021-04-12



| Org | Country     | Name             | Email                 |
|-----|-------------|------------------|-----------------------|
| SNV | Switzerland | Meister, Helena  | helena.meister@snv.ch |
| UNE | Spain       | Jorquera, Jose   | jjorquera@une.org     |
| UNI | Italy       | Carnevale, Helen | carnevale@uninfo.it   |

## 4.1.2 P-members Meeting Attendance

The ISO/IEC Directives, Part 1 section 1.7.4 states:

1.7.4 A technical committee or subcommittee Committee Manager shall notify the Chief Executive Officer if a P-member of that technical committee or subcommittee — has been persistently inactive and has failed to contribute to 2 successive technical committee/subcommittee meetings, either by direct participation or by correspondence and has failed to appoint any experts to the technical work, or has failed to vote on over 20 % of the questions formally submitted for voting on the committee internal balloting (CIB) within the technical committee or subcommittee over one calendar year (see 1.7.1).

Below is a list of P-Members Attendance Records showing their attendance at the last four Plenary meetings. Countries shaded in red are in danger of losing their P membership according to the criteria above.

| Country                                         | Organization | 76 <sup>th</sup> | 77 <sup>th</sup> | 78 <sup>th</sup> | 79 <sup>th</sup> | 80 <sup>th</sup> |
|-------------------------------------------------|--------------|------------------|------------------|------------------|------------------|------------------|
| Canada (Joined after 79 <sup>th</sup> meeting)  | SCC          |                  |                  |                  |                  | X                |
| China                                           | SAC          | X                | X                | X                | X                | X                |
| Finland (Joined after 78 <sup>th</sup> meeting) | SFS          |                  |                  |                  | X                | X                |
| France                                          | AFNOR        | X                | X                | X                | X                | X                |
| Germany                                         | DIN          | X                | X                | X                | X                | X                |
| Ireland (Joined after 76 <sup>th</sup> meeting) | NSAI         |                  |                  |                  | X                | X                |
| Italy                                           | UNI          |                  | X                | X                | X                | X                |
| Japan                                           | JISC         | X                | X                | X                | X                | X                |
| Korea, Republic of                              | KATS         | X                | X                | X                | X                | X                |
| Netherlands                                     | NEN          | X                | X                | X                | X                | X                |
| Norway                                          | SN           | X                |                  | X                | X                | X                |
| Russian Federation                              | GOST R       |                  |                  |                  |                  |                  |
| South Africa                                    | SABS         | X                | X                | X                | X                | X                |
| Spain                                           | UNE          |                  |                  |                  |                  |                  |
| Sweden                                          | SIS          | X                | X                | X                | X                | X                |
| Switzerland                                     | SNV          |                  |                  |                  |                  |                  |
| United Kingdom                                  | BSI          | X                | X                | X                | X                | X                |
| United States                                   | ANSI         | X                | X                | X                | X                | X                |

## 4.2 Observing Members

This is a list of the SC 4 observing members.



# Newsletter Vol 26 N01

International Organization for Standardization  
Technical Committee 184  
Subcommittee 4: Industrial Data  
2021-04-12



| Country        | Organization | Name                   | Email                       |
|----------------|--------------|------------------------|-----------------------------|
| Austria        | ASI          | Marussig, Benjamin     | marussig@tugraz.at          |
| Belarus        | BELST        | Lebedev, Ilya          | i.lebedev@belgiss.by        |
| Belgium        | NBN          | De Mey, Charlotte      | sotc_admin@nbn.be           |
| Czech Republic | UNMZ         | Jirak, Tomas           | tomas.jirak@unmz.cz         |
| Denmark        | DS           | Schultz, Regnar        | rs@ds.dk                    |
| Hong Kong      | ITCHKSAR     | No assignment          | No assignment               |
| Hungary        | MSZT         | Palkovics, Mihaly      | m.palkovics@mszt.hu         |
| Iran           | ISIRI        | Ghasemi, Elham         | elhamghasemi.sec@gmail.com  |
| Mongolia       | MASM         | No assignment          | No assignment               |
| Portugal       | IPQ          | No assignment          | No assignment               |
| Romania        | ASRO         | Coman, Ana-Maria       | anamaria.coman@asro.ro      |
| Saudi Arabia   | SASO         | Alsalah, Mshari        | m.salah@saso.gov.sa         |
| Serbia         | ISS          | Stefanovic, Aleksandar | aleksandar.stefanovi@iss.rs |
| Slovakia       | UNMS SR      | No assignment          | No assignment               |

## 4.3 Working Groups

This is a list of SC 4 Working Groups, Convenors, and Deputies and their appointment term. Those shaded in red are in need of a volunteer. Please note that WGs/Committees with officer vacancies other than Deputy can be classified as inactive committees and are likely to be closed down by ISO. If you wish to volunteer please contact the SC 4 Committee Manager or Chair.

| Committee        | Position  | Name                            | Contact Info                                                                                   | Start of Appt | End of Appt |
|------------------|-----------|---------------------------------|------------------------------------------------------------------------------------------------|---------------|-------------|
| AG 00 (CMC)      | Convenor  | Swope, Kenny                    | <a href="mailto:kenneth.a.swope@boeing.com">kenneth.a.swope@boeing.com</a>                     | 2018-01       | 2021-01     |
| AG 00            | Deputy    | Vacant                          |                                                                                                |               |             |
| AG 02 IF         | Convenor  | Van Exel, Paul                  | <a href="mailto:stichting@uspi.nl">stichting@uspi.nl</a>                                       | 2018-05       | 2021-05     |
| AG 02 IF         | Co-Deputy | Anna Moreno                     | <a href="mailto:anna.moreno@engisis.com">anna.moreno@engisis.com</a>                           | 2018-05       | 2021-05     |
| AG 02 IF         | Co-Deputy | Hardwick, Martin                | <a href="mailto:hardwick@steptools.com">hardwick@steptools.com</a>                             | 2018-05       | 2021-05     |
| TF1              | Convenor  | Sapp, Brandon                   | <a href="mailto:Brandon.sapp@boeing.com">Brandon.sapp@boeing.com</a>                           | 2020-05       |             |
| TF2              | Convenor  | Brange, Jean                    | <a href="mailto:jean.brang@boost-conseil.com">jean.brang@boost-conseil.com</a>                 | 2020-05       |             |
| PPC              | Convenor  | Swope, Kenny                    | <a href="mailto:kenneth.a.swope@boeing.com">kenneth.a.swope@boeing.com</a>                     | 2019-12       | 2022-12     |
| PPC              | Secretary | Gröpper, Meinolf                | <a href="mailto:meinolf.groepper@vdma.org">meinolf.groepper@vdma.org</a>                       | NA            | NA          |
| Quality          | Convenor  | Véronique Dubillot              | <a href="mailto:veronique.dubillot@boost-conseil.com">veronique.dubillot@boost-conseil.com</a> | 2019-11       | 2022-11     |
| Quality          | Deputy    | Changsoo Lee                    | <a href="mailto:cslee@gnu.ac.kr">cslee@gnu.ac.kr</a>                                           | 2019-11       | 2022-11     |
| Quality          | Secretary | Harvey, Melissa                 | <a href="mailto:melissa.k.harvey@boeing.com">melissa.k.harvey@boeing.com</a>                   | NA            | NA          |
| WG 03            | Convenor  | Van Exel, Paul                  | <a href="mailto:stichting@uspi.nl">stichting@uspi.nl</a>                                       | 2018-05       | 2021-05     |
| WG 03            | Deputy    | Sandsmark, Nils                 | <a href="mailto:nils.sandsmark@posccaesar.org">nils.sandsmark@posccaesar.org</a>               | 2017-05       | 2023-05     |
| JWG 08 (standby) | Convenor  | Cutting-Decelle, Anne-Françoise | <a href="mailto:afcdec@gmail.com">afcdec@gmail.com</a>                                         | 2018-05       | 2021-05     |



# Newsletter Vol 26 N01

International Organization for Standardization  
Technical Committee 184  
Subcommittee 4: Industrial Data  
2021-04-12



| Committee        | Position    | Name               | Contact Info                                                                     | Start of Appt | End of Appt |
|------------------|-------------|--------------------|----------------------------------------------------------------------------------|---------------|-------------|
| JWG 08 (standby) | Deputy      | Vacant             |                                                                                  |               |             |
| WG 11            | Convenor    | Loffredo, David    | <a href="mailto:loffredo@steptools.com">loffredo@steptools.com</a>               | 2020-05       | 2023-05     |
| WG 11            | Deputy      | Vacant             |                                                                                  |               |             |
| WG 12            | Convenor    | Hunten, Keith      | <a href="mailto:kahunten@gmail.com">kahunten@gmail.com</a>                       | 2018-05       | 2021-05     |
| WG 12            | Deputy      | Haenisch, Jochen   | <a href="mailto:Jochen.haenisch@jotne.com">Jochen.haenisch@jotne.com</a>         | 2019-11       | 2022-11     |
| WG 13            | Convenor    | King, Timothy M.   | <a href="mailto:tmk@lsc.co.uk">tmk@lsc.co.uk</a>                                 | 2018-05       | 2021-05     |
| WG 13            | Deputy      | Dourgnon, Anne     | <a href="mailto:anne.dourgnon@edf.fr">anne.dourgnon@edf.fr</a>                   | 2017-05       | 2023-05     |
| WG 15            | Convenor    | Hardwick, Martin   | <a href="mailto:hardwick@steptools.com">hardwick@steptools.com</a>               | 2018-11       | 2021-11     |
| WG 15            | Deputy      | Olsson, Bengt      | <a href="mailto:bengtollsson@sandvik.com">bengtollsson@sandvik.com</a>           | 2018-11       | 2021-11     |
| JWG 16           | Convenor    | Han, Soonhung      | <a href="mailto:soonhung.han@gmail.com">soonhung.han@gmail.com</a>               | 2018-02       | 2021-02     |
| JWG 16           | Deputy      | Mouton, Christophe | <a href="mailto:christophe.mouton@edf.fr">christophe.mouton@edf.fr</a>           | 2018-02       | 2021-02     |
| WG 21            | Convenor    | Hunten, Keith      | <a href="mailto:kahunten@gmail.com">kahunten@gmail.com</a>                       | 2019-12       | 2022-12     |
| WG 21            | Deputy      | Haenisch, Jochen   | <a href="mailto:Jochen.haenisch@jotne.com">Jochen.haenisch@jotne.com</a>         | 2019-12       | 2022-12     |
| WG 22            | Convenor    | Sandsmark, Nils    | <a href="mailto:nils.sandsmark@posccaesar.org">nils.sandsmark@posccaesar.org</a> | 2018-11       | 2021-11     |
| WG 22            | Deputy      | Van Exel, Paul     | <a href="mailto:stichting@uspi.nl">stichting@uspi.nl</a>                         | 2018-11       | 2021-05     |
| WG 23            | Convenor    | King, Timothy M.   | <a href="mailto:tmk@lsc.co.uk">tmk@lsc.co.uk</a>                                 | 2018-11       | 2021-11     |
| WG 23            | Deputy      | Thompson, Hayley   | <a href="mailto:hayley.thompson@eccma.org">hayley.thompson@eccma.org</a>         | 2020-11       | 2023-11     |
| JWG 24           | Co-Covenor  | Murayama, Hiroshi  | <a href="mailto:smarthiroshi@icloud.com">smarthiroshi@icloud.com</a>             | 2018-04       | 2021-04     |
| JWG 24           | Co-Convenor | Rossi, Gernot      | <a href="mailto:gernot.rossi@siemens.com">gernot.rossi@siemens.com</a>           | 2020-12       |             |

## 4.4 External Liaisons

The following table is a list of SC 4 Liaisons to outside organizations. **Please note that this list is currently in the process of being updated. If you have any corrections, additions, or deletions to this list, please email the Committee Manager at [trippdsc4@gmail.com](mailto:trippdsc4@gmail.com) with current information.** Those shaded in red are in need of a volunteer to monitor the work of the organization and highlight any issues of interest, and to promote the position of SC 4 within that organization. If you wish to volunteer, please contact the SC 4 Committee Manager or Chair. It is expected that the SC 4 Liaison to a specific organization will assist in working with the organization to identify the appropriate individuals to liaise with SC 4.

| Organization                                                        | SC 4 Liaison to Organization | Organization Liaison to SC 4         |
|---------------------------------------------------------------------|------------------------------|--------------------------------------|
| Aerospace and Defense Industries Association of Europe (ASD)        | Vacant                       | Andreas Jain                         |
| buildingSMART, formerly International Alliance for Interoperability | Inhan Kim                    | Thomas Liebich<br>Christopher Groome |
| Dimensional Metrology Standards Consortium, Inc.                    | Vacant                       | Curtis Brown<br>Mark Thomas          |



# Newsletter Vol 26 N01

International Organization for Standardization  
Technical Committee 184  
Subcommittee 4: Industrial Data  
2021-04-12



| Organization                                                                                 | SC 4 Liaison to Organization          | Organization Liaison to SC 4           |
|----------------------------------------------------------------------------------------------|---------------------------------------|----------------------------------------|
| Product classification and description (eCl@ss)                                              | Gerard Chaumond                       | Raymond Betz<br>Andre Lindner          |
| Electronic Commerce Code Management Association (ECCMA)                                      | Peter Eales                           | Peter Benson                           |
| Energistics, formerly POSC                                                                   | Nils Sandmark                         | Jay Hollingsworth<br>Jana Schey        |
| European Computer Manufacturers Association (Ecma) Technical Committee 43-Universal 3D (U3D) | Vacant                                | Istvan Sebestyen<br>Patrick Charollais |
| funSTEP Interest Group (FunSTEP)                                                             | Ricardo Gonçalves<br>Maria Jose Nuñez | Vacant                                 |
| International Association for Information and Data Quality (IAIDQ)                           | Peter Benson                          | Christian Walenta<br>Larry English     |
| International Association for the Engineering Analysis Community (NAFEMS)                    | David Leal                            | David Leal                             |
| International Association of Oil and Gas Producers (IOGP)                                    | Nils Sandmark<br>Paul van Exel        | Vacant – Pending IOGP nomination       |
| International Council on Systems Engineering (INCOSE)                                        | Phil Spiby                            | Kenneth Crowder                        |
| Machinery Information Management Open Systems Alliance (MIMOSA)                              | Nils Sandmark                         | Alan Johnston                          |
| NATO AC/135 – NATO Codification System                                                       | Vacant                                | Vacant                                 |
| Object Management Group (OMG)                                                                | Allison Barnard-Feeney                | James Nemiah                           |
| Open Applications Group (OAGi)                                                               | Guenter Staub                         | Vacant                                 |
| Organization for the Advancement of Structured Information Standards (OASIS)                 | Nigel Shaw                            | James Clark                            |
| Petrotechnical Open Software Corporation Caesar Association (POSC Caesar)                    | Nils Sandmark                         | Vacant                                 |
| Product Data Exchange using STEP, Inc. (PDES Inc.)                                           | Jack Harris                           | Jack Harris                            |
| ProSTEP iViP Association (ProSTEP)                                                           | Jean Brange                           | Max Ungerer                            |
| Small Business Standards                                                                     | Jean Brange                           | Jean Brange                            |
| Strategic Automotive Product Data Standards Industry Group (SASIG)                           | Max Ungerer                           | Takamasa Tanaka                        |
| Uitgebreid Samenwerkingsverband Proces Industrie Nederland (USPI)                            | Paul van Exel                         | Paul van Exel                          |
| Versailles Project on Advanced Materials and Standards (VAMAS)                               | Anna Moreno                           | Sam Gnaniha<br>X Halada                |

## 4.5 Internal ISO/IEC Liaisons

The following table is a list of SC 4 Liaisons to organizations within the ISO/IEC. Those shaded in red are in need of a volunteer to monitor the work of the organization and highlight any issues of interest, and to promote the position of SC 4 within that organization. If you wish to volunteer, please contact the SC 4 Committee Manager or



# Newsletter Vol 26 N01

International Organization for Standardization  
Technical Committee 184  
Subcommittee 4: Industrial Data  
2021-04-12



Chair. It is expected that the SC 4 Liaison to a specific organization will assist in working with the organization to identify the appropriate individuals to work with SC 4, and should be copied in on any correspondence with that organization.

| Organization                                                                                                     | SC 4 Liaison to Organization          | Organization Liaison to SC 4                             |
|------------------------------------------------------------------------------------------------------------------|---------------------------------------|----------------------------------------------------------|
| IEC SC 3D – Information structures, documentation and graphical symbols, Data Sets for Libraries                 | Hiroshi Murayama                      | Reinhard Nerke                                           |
| IEC SC 65E – Industrial-process measurement and control, System engineering and management                       | Hiroshi Murayama<br>Nikolaus Ondracek | Lee Neitzel                                              |
| IEC TC 3 – Information structures, documentation and graphical symbols                                           | Hiroshi Murayama                      | Reinhard Nerke                                           |
| IEC TC 91 – Electronics Assembly Technology                                                                      | Hiroshi Murayama                      | Vacant                                                   |
| ISO TC 8/SC 10 – Ship Design                                                                                     | Soonhung Han                          |                                                          |
| ISO TC 10 – Technical Product Documentation                                                                      | Tatsuo Terai                          | Lea Irwin<br>Mr. Sven Radhe<br>(TC 10 Committee Manager) |
| ISO TC 10/SC 1 – Basic Conventions                                                                               | Tatsuo Terai                          | Knut Aune<br>(TC 10/SC 1 Committee Manager)              |
| ISO TC 29/WG 34 – Small tools computerized machining data exchange                                               | Bengt Olsson                          | Karine Lamarcq<br>(Committee Manager of ISO TC 29)       |
| ISO TC 37 – Terminology and language and content resources                                                       | Eric Sardet                           | Changging Zhou<br>(TC 37 Committee Manager)              |
| ISO TC 37/SC 1 – Principles and Methods                                                                          | Eric Sardet                           | Claudia Dobrina<br>(TC 37/SC 1 Committee Manager)        |
| ISO TC 37/SC 2 Terminology and Lexicography                                                                      | Magne Valen-Sendstad                  | Nicole Sevigny<br>(TC 37/SC 2 Committee Manager)         |
| ISO TC 37/SC 3 Computer applications for terminology                                                             | Magne Valen-Sendstad                  | Gotfried Herzoc<br>(TC 37/SC 3 Committee Manager)        |
| ISO TC 37/SC 4 Language Resource Management                                                                      | Magne Valen-Sendstad                  | Key-Sun Choi<br>(TC 37 / SC 4 Committee Manager)         |
| ISO TC 59 – Buildings and civil engineering works                                                                | Tatsuo Terai                          | Vacant                                                   |
| ISO TC 59/SC 13 Organization of Information about construction works                                             | Tatsuo Terai                          | Lisbet Landfald<br>(TC 59/SC 13 Committee Manager)       |
| ISO TC 67 – Materials, equipment and offshore structures for petroleum, petrochemical and natural gas industries | Nils Sandmark                         | David Miller<br>(TC 67 Committee Manager)                |



# Newsletter Vol 26 N01

International Organization for Standardization  
Technical Committee 184  
Subcommittee 4: Industrial Data  
2021-04-12



| Organization                                                                                                                                              | SC 4 Liaison to Organization                                           | Organization Liaison to SC 4                                             |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------|--------------------------------------------------------------------------|
| ISO TC 68/SC 8                                                                                                                                            | Peter Benson                                                           | Vacant                                                                   |
| ISO TC 118 – Compressors, pneumatic tools and pneumatic machines                                                                                          | Gerhard Koziel                                                         | Gerhard Koziel                                                           |
| ISO TC 118/SC 1 Process Compressors                                                                                                                       | Gerhard Koziel                                                         | Henk W. van der Hoek<br>(TC 118/SC 1 Committee Manager)                  |
| ISO TC 154 – Processes data elements and documents in commerce, industry, and administration                                                              | Peter Benson<br>Hiroshi Murayama                                       | Vacant                                                                   |
| ISO TC 171/SC 2 – Document file formats, EDMS systems and authenticity of information                                                                     | Kenny Swope                                                            | Diana Helander                                                           |
| ISO TC 172 – Optics and Photonics                                                                                                                         | Nikolaus Ondracek                                                      | Elisabeth Leitner<br>(TC 172 Committee Manager)                          |
| ISO TC 172/SC 1 – Fundamental Standards                                                                                                                   | Prudence Wormell<br>Thomas Saenger                                     | Clara Engesser<br>(TC 172/SC 1 Committee Manager)                        |
| ISO TC 184/SC 1 Industrial Automation Systems and Integration/Physical Device Control                                                                     | Martin Hardwick                                                        | Fred Proctor                                                             |
| ISO TC 184/SC5 - Architecture, Communications, and Integration frameworks                                                                                 | Timothy King<br>Magne Valen-Sendstad<br>Anne-Francoise Cutting-Decelle | Vacant                                                                   |
| ISO TC 184/SC 5/WG 7 – Diagnostic and Maintenance Applications Integration                                                                                | Timothy King<br>Magne Valen-Sendstad                                   | Dan Carnahan<br>(WG 7 Co-convener)<br>Chuck Hoover<br>(WG 7 Co-convener) |
| ISO TC 184/SC 5/WG 10 – Evaluation of energy efficiency and other relevant factors of a manufacturing system with respect to its environmental influence. | Anne-Francoise Cutting-Decelle                                         | Vacant                                                                   |
| ISO TC 207/SC 5 – Environmental Management/Life Cycle Assessment                                                                                          | Anna Moreno                                                            | Raul Carlson                                                             |
| ISO TC 211 – Geographic Information/Geomatics                                                                                                             | Jean Brange<br>Peter Benson                                            | Paul Scarponcini                                                         |
| ISO TC 213 – Dimensional and geometric product specifications and verification                                                                            | Vijay Srinivasan                                                       | Theodore Vorburger<br>Vijay Srinivasan                                   |
| ISO TC 261 – Additive Manufacturing                                                                                                                       | Martin Hardwick                                                        | Paul Witherell                                                           |
| ISO TC 307 - Blockchain and electronic distributed ledger technologies                                                                                    | Jean Brange                                                            | Vacant                                                                   |
| ISO/IEC JTC 1/SC 7 - Information Technology, Software and Systems Engineering                                                                             | Phil Spiby<br>Tim King                                                 | Witold Suryn<br>(ISO/IEC JTC 1/SC7 Committee Manager)                    |
| ISO/IEC JTC 1/SC 24 - Web3D Consortium                                                                                                                    | Soonhung Han                                                           | Christophe Mouton                                                        |



# Newsletter Vol 26 N01

International Organization for Standardization  
Technical Committee 184  
Subcommittee 4: Industrial Data  
2021-04-12



| Organization                                                                                       | SC 4 Liaison to Organization | Organization Liaison to SC 4                                 |
|----------------------------------------------------------------------------------------------------|------------------------------|--------------------------------------------------------------|
| ISO/IEC JTC 1/SC 31 - Information Technology, Automatic Identification and Data Capture Techniques | Peter Benson                 | Mikael Hjalmarsen                                            |
| ISO/IEC JTC 1/SC 32 - Information Technology, Data Management and Interchange                      | Vacant                       | Timothy D. Schoechle (ISO/IEC JTC 1/SC 32 Committee Manager) |
| ISO/IEC JTC 1/SC 32/WG 2 - Information Technology, Data Management and Interchange, MetaData       | Matthew West                 | Vacant                                                       |

## 5. SC 4 Information

### 5.1 Standards Catalog

To view the current standards and projects under SC 4 and their status click [here](#). You will be required to use your ISO login.

### 5.2 Quality Committee Update

#### QC Tips for Standards Writers

*Afraid when drafting the Bibliography? Take it easy, simply follow the rules!*

#### The Bibliography element, within your SC 4 standard

- The Bibliography lists, for information, those documents which are cited informatively in the document, as well as other information resources.

Please note that it is good practice to list only those reference documents that are cited in the text.

- The Bibliography is an informative element. It shall not contain requirements, permissions or recommendations,
- The Bibliography is a conditional element. Its inclusion is dependent on whether informative references are present in the document. It shall appear after the last annex,
- The Bibliography shall not have a clause number. It may be subdivided in order to group the referenced documents under descriptive headings. Such headings shall not be numbered,
- Referenced documents and information resources listed may be numbered and can be dated or undated. The reference documents that shall be listed in the bibliography are:



# Newsletter Vol 26 N01

International Organization for Standardization  
Technical Committee 184  
Subcommittee 4: Industrial Data  
2021-04-12



- reference documents to which only informative reference is made,
- reference documents which have merely served as references in the preparation of the document.

## Two ways of structuring the Bibliography

- By numerical order of the standards, followed by literature references, as follows:
  - ISO standards followed by IEC standards and then other international standards,
  - regional standards,
  - national standards,
  - literature references.
- In the order in which the references are cited in the text.

## Be coherent

Add the dated reference only if the text references a dated reference.

## Cross-references document

- When referencing a numbered document, always use the standard identifier (document number and type) rather than the title when referring to an ISO or IEC document in the text, including when a specific element (clause, table, figure, etc.) is referred to.

EXAMPLE: “...in accordance with ISO 12345:2018, 4.3.9.”

- When referencing an unnumbered document, you can add the reference in square brackets

EXAMPLE: “see Reference [6]”

- When referencing a document that is not yet published (but publicly available) you have to add a footnote in both the text and the list it is located in, to note its status in the development process.

## Want to go further?

- ISO 690, Information and documentation — Guidelines for bibliographic references and citations to information resources provides further examples.



# Newsletter Vol 26 N01

International Organization for Standardization  
Technical Committee 184  
Subcommittee 4: Industrial Data  
2021-04-12



## Stay tuned!

- ISO/IEC Directives, Part 2, 2018 available [here](#).
- ISO House Style available [here](#).
- Drafting standards, Frequently Asked Questions (FAQ) available at [here](#).
- SC 4 Quality Committee training material is available at [here](#).

## *The SC 4 Quality Committee*

### 5.3 Draft Meeting Report

To download or view the 80<sup>th</sup> Plenary Draft Meeting Report N3534, click [here](#). You will be required to use your ISO logon.

### 5.4 Cumulative Resolutions

To download or view the Cumulative Resolutions through the 80<sup>th</sup> Plenary N3537, click [here](#). You will be required to use your ISO logon.

### 5.5 Open Action Log

To download or view the 80<sup>th</sup> Plenary Open Action Log N3532, click [here](#). You will be required to use your ISO logon.

## 6. News and Media

### 6.1 News from ISO

ISO publishes news and information on their website. You can subscribe to the news and have it emailed to you. You can get the latest copy of ISO focus, ISO's magazine published 6 times a year. Check up on the latest ISO events or visit ISO Standards in Action to see real world scenarios of ISO standards at work. Click [here](#) to visit News from ISO.

### 6.2 ISO Connect

ISO Connect is for people working within the ISO System who want to know more about, or participate in, ISO's general activities. Click [here](#) to visit ISO Connect. You will be required to use your ISO logon.

### 6.3 TMB Communiqué

The Technical Management Board (TMB) publishes a TMB Communiqué after each TMB meeting. The TMB Communiqué contains information on the latest developments



# Newsletter Vol 26 N01

International Organization for Standardization  
Technical Committee 184  
Subcommittee 4: Industrial Data  
2021-04-12



in technical policy and procedures. The PPC reviews all these announcements to determine how they might affect SC 4. Click [here](#) to view the complete collection of TMB Communiqués. You will be required to use your ISO logon.

## 6.4 Social Media

For current news and events in ISO/TC 184/SC 4, please visit our Website and LinkedIn profile by clicking the links below.

Visit our ISO/TC 184/SC 4 Industrial Data Website [here](#).

Visit our ISO/TC 184/SC 4 Industrial Data LinkedIn site [here](#).

## 6.5 Changes to Standards Development

For the latest change information on Standards Development Procedures please click [here](#). You will be required to use your ISO logon.

## 6.6 Changes to ISO Services

For the latest changes to ISO Services click [here](#). You will be required to use your ISO logon.

## 6.7 ISO Meeting Management

For information, and to register for ISO Meetings, please click on the Meetings icon located on the ISO Portal [here](#). You will be required to use your ISO logon.

## 7. Newsletter Items of Interest

Topics for the newsletter are always welcome. If you have something you would like published in the newsletter please send the information to the SC 4 Committee Manager at [trippdsc4@gmail.com](mailto:trippdsc4@gmail.com).