



# *International Union of Pure and Applied Chemistry*

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Chemistry and Human Health Division  
Commission VII.C.1: Nomenclature, Properties and Units

## Minutes of meeting, Brisbane 2001-06-30/07-04

- 1. Opening of the meeting** – The meeting opened at 09:00 AM, July 30, 2001.
- 2. Participants and apologies** – Present for the opening of the meeting were the following titular members for the C-NPU (TM): Pedro Soares de Araujo (PSA) secretary of the C-NPU, Antonin Jabor (AJ), René Dybkaer (RD) and Wolf R. Külpmann (WRK). Anders Kallner (AK) president of the Chemistry and Human Health Division attended several sessions. Apologies were presented for the absence of Urban Forsum (UF) chairman of the C-NPU and for Gunnar Nordin (GN).
- 3. Election of acting chairman for this meeting** – RD was elected as the acting chairman for this meeting by consensus.
- 4. Approval of provisional agenda** – RD in substitution of the one previously prepared by PSA proposed a more detailed version of the agenda for this meeting. This latter version was approved.
  1. Opening of the meeting
  2. Participants and apologies
  3. Election of acting chairman for this meeting
  4. Approval of provisional agenda
  5. Meeting schedule
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  10. Project Properties and units in Medical Molecular Biology (PSA)
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  13. Project Properties and units for Urinary calculi (AJ)
  14. Project Global use of C-NPU concept system for properties in toxicology (WRK)
  15. Project Properties and units for Transfusion Medicine and Tissue Typing (UF)
  16. Project Concepts for requests in Clinical Laboratories (UF)
  17. Project C-NPU concepts and traceability of measurements (GN)
  18. Review of ENV 1614 (UF+RD)
  19. 'Arbitrary' as modifier; letter by Robert Zender
  20. CUMUL (EQA news 2001; 12 (2): 33)
  21. Information on 'katal'
  22. WHO on ISO/DIS 17511 Metrological traceability
  23. IUPAC Chemical Identifier -- Metabolism terms – Selectivity
  24. Project 27/95 C-NPU Internet Home page
  25. List of projects finalized or updated
  26. Budget
  27. Miscellany
  28. Next meeting
  29. Closing
- 5. Meeting schedule** – It was agreed that we should follow the schedule previously proposed by the IUPAC secretariat extending the meeting until July 4, due to the amount of matters to be considered during the meeting.
- 6. Update on CNPU membership** – PSA clarified questions raised during the Dubrovnik meeting considering the CNPU membership. The official list of C-NPU members, both AM and TM, was revised and no changes were needed. This list is the same already deposited with both IUPAC and IFCC. AK explained that, with the new IUPAC project structure, membership is open and the previous restrictions on time of service to IUPAC no longer apply. This new situation is very welcomed concerning RD.
- 7. Minutes of Dubrovnik** – Corrections for the Dubrovnik minutes were accepted concerning item 7 Urinary Calculi and item 9 Medical Molecular Biology. PSA explained that Urinary Calculi project was already registered as project 38/2000 and that the project on Molecular Biology was also registered as project 25/95, both independent of project 18/87.
- 8. Member's reports** – RD made a lecture in the Prague Med-lab entitled Planning for POCE (also known as POCT). GN presented the lecture "Classification codes for laboratory tests" on terminology and units in the same meeting. An extended version of this lecture was published in the daily Congress News, and distributed to the 4000 participants of the Prague congress. This publication increased the public exposure of the work of our committee. The ministry of health in Czech Republic approved the use of HL-7 and the CNPU work may be included. A group was established to do that work, with AJ

collaboration. WK and PSA had no comments. RD has proposed the term chemon instead of amount of substance, and this proposal was published in Metrologia. RD also reported the appearance of prEN ISO 17511 and 18153 on metrological traceability. The work on the VIM revision continues and may result in a draft for circulation within a year.

9. **Fate of project proposal in holistic form** – The proposal for a comprehensive project including all the ongoing work of the C-NPU was rejected by IUPAC. Seven new project drafts were prepared by UF to be completed by the involved members.
10. **Project Properties and units in Medical Molecular Biology** – Task group chairman: PSA. The project proposal underwent several revisions until completion. See Appendix 1. The completed proposal was submitted to the Division, as requested by AK, to be transmitted to the IUPAC Secretariat.
11. **Headers** – Discussing the GN paper, it was agreed that it should contain in the introduction the clarification that headers are organized according to different viewpoints. The structure in the last figure should be changed to be non-hierarchical. In the CNS IgG production example the use of rate is inadequate because there is no time involved in the test. It is rather a coefficient. Since this topic, which was presented as a discussion paper by GN, is of pervasive interest of most of the C-NPU projects it is suggested that GN develops his ideas further to produce a guideline with examples. A suggested deadline for circulation of a draft is 2001-12-01. AK suggested that we should revive project 16/87 "Semi-Quantitative" clinical analyses (M. Lauritzen) and start a new project that could be submitted to ISO in the context of traceability. In the same context, AK proposed that we should re-publish project 19/89 Terms and symbols for human body fluids and cells in laboratory medicine. G Hill. Technical Report.
12. **Project Properties and units for Dynamic Function tests** – Task group chairman: AJ. We discussed the title "Dynamic Function Tests" and agreed that the project name was changed to Properties and units for Function Examinations. The project proposal underwent several revisions until completion. See Appendix 2. The completed proposal was submitted to the Division, as requested by AK, to be transmitted to the IUPAC Secretariat.
13. **Project Properties and units for Urinary calculi** – Task group chairman: AJ. The project proposal underwent several revisions until completion. See Appendix 3. The completed proposal was submitted to the Division, as requested by AK, to be transmitted to the IUPAC Secretariat.
14. **Project Global use of C-NPU concept system for properties in Chemical Sciences** – Task group chairman: WRK. The project proposal underwent several revisions. In a joint meeting between C-NPU and the Commission on Toxicology with the presidents of Division (AK) and Clinical Chemistry Section (Rita Cornellis, presiding), the project submission form for "Global Use of the C-NPU concept system for properties in Toxicology" was provisionally completed, except for the task group membership, budget, and referees. We agreed that since the chairman of the task group belongs to C-NPU (WRK) the secretary should be chosen among the members of the Toxicology Commission. See Appendix 4. The completed proposal was forwarded to the chairman of the task group (WRK), the chairman of C-NPU (UF) and to the C-NPU secretary for final checking and further processing.
15. **Project Properties and units for Transfusion Medicine and Tissue Typing** – Task group chairman: UF. The project proposal underwent several revisions until completion. See Appendix 5. The completed proposal will be forwarded to the chairman of the commission for final checking and further processing. A suggestion was made that UF should review the title of the project in view of the various national understandings of the terms indicating the two fields involved, e.g. Immunohaematology instead of tissue typing or as AJ suggested Transfusion and Transplantation Medicine. It is expected that UF will add area-specific scientists in the suggested referees section of the proposal. UF should consider adding area specialists to the task group membership.
16. **Project Concepts for requests in Clinical Laboratories** – Task group chairman: UF. The meeting party suggested to UF to change the title of the proposal to "Concepts and structure for requests in Laboratory Medicine" which also appears in the Appendix. Furthermore, following the lead from AK, it is suggested that last referee mentioned (from Sweden) be substituted by Matthew McQueen. (There are two Swedes in the task group). The project proposal was revised. See Appendix 6. The completed proposal will be forwarded to the chairman of the commission for final checking and further processing.
17. **Project C-NPU concepts and traceability of measurements** – Task group chairman: GN. The project proposal draft received from UF had to be rewritten because the group agreed with the Division President (AK) that a full independent C-NPU project was unlikely to be accepted in view of the proposed Interdivisional project on traceability. In agreement with the task group chairman of that project, Prof. Paul De Bièvre, the C-NPU suggests a liaison member to his project. Consequently, the project submission forms was finalized in that sense. See Appendix 7. The completed proposal was submitted to the Division, as requested by AK, to be transmitted to the IUPAC Secretariat.
18. **Review of ENV 1614** – UF have forwarded a partial revision of ENV 1614 from the starting up to and including section 4.3 to Anders Thurin of CEN/TC251/WG II, which wants to upgrade to an EN. The change to UML notation may be considered editorial but the suggested changes in definitions and the only figure submitted are unacceptable. The definitions in ENV 1614 were not optimal and the whole set of definitions in basic metrology is undergoing important changes under the Joint Committee for Guides in Metrology (JCGM). The easiest and perhaps wisest course would be to let the ENV live for another period, waiting for revision of the VIM, as suggested by RD.
19. **'Arbitrary' as modifier; letter by Robert Zender** – This letter (2001-05-07) is well reasoned and important, needing more thought from C-NPU than time at this meeting allowed. RD will make a draft response before 2001-12-01.
20. **CUMUL (EQA news 2001; 12 (2): 33)** – A note by Jack Bierens de Haan from the Swiss Centre for Quality Control, in Geneva, informs about the decision to create a database constructed as an added layer on the Loinc database. CUMUL was recently endorsed as an European Confederation of Laboratory Medicine (ECLM).
21. **Information on katal** – A paper by RD on katal has appeared as technical report in PAC 2001-06. RD will send a note to Clinical Chemistry and to Clinical Chemistry and Laboratory Medicine.

22. **WHO on ISO/DIS 17511 Metrological traceability** – A letter (2001-05-07) from Dr. A. Padilla of WHO Quality and Safety of Plasma Derivatives and related substances, Blood safety and clinical technology was sent to ISO/TC212 secretary Mr. J.J. Zlockie commenting upon the draft international standard ISO/DIS 17511 on metrological traceability, referring to a report on a WHO consultation on international biological standards for in vitro diagnostic procedures, Geneva 2000-09-14/15. WHO seems to have problems with some of the requirements of traceability in relation to complex biological substances. The TC212/WG II will have to take the letter into consideration during the modifications to the DIS before updating to a FDIS for final vote.
23. **IUPAC Chemical Identifier -- Metabolism terms – Selectivity**– IChI (Chem Int 2001; 23(3):85) is an approved project from IUPAC to give a unique label to all chemical substances, which will be a smart label. Metabolic terms (Chem Int 2001; 23(3):86-87) is a project from IUPAC to list and define terms pertinent to the area of drug metabolism. Selectivity (Chem Int 2001; 23(3):87) deals with the definition of selectivity and try to promote its use.
24. **Project 27/95 C-NPU Internet Home page** – The home page is still located in Denmark and the C-NPU members attending the meeting have no information on the issue.
25. **List of projects finalized or updated (2001-03-03)** – The secretary will update this list and will circulate it before 2001-09-01.
26. **Budget** – The future structure of the previous C-NPU is still open. Either the work will be divided into the separate task groups with no formal links or the division may create a sub-committee for this purpose. It is therefore, not possible yet to suggest a budget. It will have to be based on the individual budgets of those proposed projects that are accepted. WRK reminded us that the proposals should be sent to IFCC by the chairman of the commission for information prior to the request for funding of the IFCC committee on NPU.
27. **Miscellany** – No items to be discussed.
28. **Next meeting** – Provisional dates for the IFCC supported meeting would be within 2002, week 5 with low fare travel either starting 2002-01-26 or ending 2002-02-03, subject to the travel plans of PSA. We foresee a meeting of 3 or 4 days depending on available material. The site is suggested to be Copenhagen to lure Henrik Olesen into attendance.
29. **Closing** – The meeting closed at 11:00 AM July 4, 2001

List of appendices

- Appendix 1 - Medical Mol Biol v3.rtf
- Appendix 2 - Function examinations v3.rtf
- Appendix 3 - Urinary calculi v3.rtf
- Appendix 4 - Global use toxicology v4.rtf
- Appendix 5 -Transfusion and Tissue typing v3.rtf
- Appendix 6 - Concepts for requests v3.rtf
- Appendix 7 – Traceability Liaison.rtf