

To: Members of the Technical Advisory Group
From: John Etherington, TAG Chair

Technical Advisory Group Meeting
27 January 2017
MINUTES

Attendees: John Etherington (Chair), Jan Bygdevoll, Roger Dixon, Steve Griffiths, Alexander Shpilman, Brad Van Gosen and Harikrishnan Tulsidas

Apologies: Andrew Barrett, John Barry, Vera Bratkova, Alistair Jones, Dominique Salacz, Charlotte Griffiths and David MacDonald.

Approval of Draft Agenda

1. The draft agenda was modified to include discussions of the SPE-SRMS document regarding reporting on injection projects.

Minutes of TAG meeting of 19 December 2016

2. The draft minutes of the 19 December 2016 meeting were approved and can now be posted on the website.

Status Update: Chinese Petroleum Classification Bridging Document: Dominique Salacz

3. The document is currently under review by the MLR and has not yet been made available for TAG review. A workshop is tentatively scheduled in Beijing for March 2017.

4. Depending on the outcomes of the March workshop and resulting reviews, it may be challenging to have a Bureau approved draft China petroleum bridging document available for the April 2017 EGRC meeting in Geneva.

Status Update: Bridging Document to Chinese Solid Minerals Classification: Roger Dixon

5. Similar to Petroleum, the Solid Minerals working group has an amended draft based on feedback from the TAG working session, April 2016, Geneva. This draft is under review by the MLR and has not yet been made available for TAG review. The work session in Beijing tentatively scheduled for March 2017 will cover both Petroleum and Solid Minerals.

6. Depending on the outcomes of the March workshop and resulting reviews, it may be challenging to have a Bureau approved draft China Solid Minerals bridging document available for the April 2017 EGRC meeting in Geneva.

Status Update: Bioenergy Project: Alistair Jones

7. The TAG has reviewed a draft specification document and is preparing its feedback to the working group. While originally scheduled for submission for translation as an official document by 13 February in three languages, due to the document size exceeding standard

limits, it will now be made available for the EGRC 8th session in English only. Supporting case studies will be available as an English only room document by late March.

Status Update: Solar Project: Alistair Jones

8. An initial draft of the Solar Specifications is being prepared for presentation as an official document for the EGRC eighth session. There has been some delay in completing a full draft specification document, but it remains the working group's intent to provide a project update for TAG review in March 2017.

Status Update: Wind and Hydro: Andrew Barrett

9. Both Wind and Hydro projects are in the planning phase, and working groups are being assembled. Andrew Barrett has volunteered to provide TAG coordination on these projects. Frank Denelle has identified a lead for the Hydro project, and a working group is being established.

Status Update: Anthropogenic Resources: John Barry

10. A working group under the Mining the European Anthroposphere (MINEA) project led by Soraya Heuss-Aßbichler expects to develop an early draft of a specification document with supporting case studies for TAG review in March before presentation to the EGRC 8th session in April.

11. John Barry has scheduled a conference call with the working group on 2 February 2017, to coordinate the TAG reviews.

Status Update: Nuclear Fuel Resources Projects: Brad Van Gosen

12. The TAG completed its review of Argentina and Jordan case studies and forwarded a recommendation to the Bureau on 25 January, 2017. The documents will be translated into the three official languages for presentation at the EGRC 8th session. A third case study from Mexico is currently under review.

13. The Best Practice document on the application of UNFC to U/Th is progressing, and some chapters have been drafted. The working group will meet in Geneva in April 2017 to review progress.

Other Projects

E-axis Study Group: David Elliott (Bureau Working Group)

14. The TAG completed its review of two documents: (1) a recommendation on changes to E-Axis categories and (2) a second "Concepts and Terminology", both to be presented as official documents for the 8th EGRC session.

15. As discussed with David, this is a "white paper" for discussion rather than a final recommendation to amend UNFC-2009 and the issues identified need to be considered in the context of the next UNFC update in 2018. The TAG's review submitted to the Bureau on 25 January noted potential conflicts in classifying projects with regard to commercial status

between the E and F-axes. Assessing the chance of commerciality is a basic concept in all classification systems, it is not obvious that the recommended splitting E2 into 2.1 and 2.2 by “level of effort being applied” directly supports this goal. Certainly the current E-axis lacks the granularity to identify the assessed level of social/economic impact on commerciality. The TAG believes that E2 sub-categories should focus on the chance of commerciality estimates based on the aggregate economic, environmental/social and related contingencies. Environmental/social issues are certainly important but are not standalone. The TAG is available for further discussions with the working group regarding its concerns.

Competent Person Study: David MacDonald (Bureau Working Group)

16. The TAG completed its review of two documents scheduled for translation and presentation at the 8th EGRC session (i) a short guidance note on CP for UNFC; and (ii) a more comprehensive guidance note detailing the issues around defining a competent person that will be published under the EGRC.

17. Both documents provide background and summarize the current industry practices around establishing qualifications of resource evaluators. The report does not establish UNFC mandatory processes but provides options and defers to commodity specific guidelines and/or regulatory and national inventory reporting rules for more detailed guidance.

G-axis Working Group: James Primrose (Bureau Working Group)

18. The working group intends to submit the draft G-axis EGRC report by 13 March to the Bureau/TAG for review. Again this will need to be considered as part of the 2018 UNFC update project.

Oil and Gas Case Studies: Jan Bygdevoll

19. Work is progressing, and a status report will be issued in February. An update will be presented at the 8th session of the EGRC.

SPE-SRMS Review: Jan Bygdevoll

20. On 16 January, Karin Ask forwarded an early draft of the SPE Storage Resource Management System (SRMS) to the Bureau and the TAG for comments. Jan Bygdevoll’s oil and gas case studies team has been requested to collate TAG comments to be sent to Karin by 10 February 2017.

Nordic UNFC Project: Sigurd Heiberg

21. The Nordic UNFC project was presented by Sigurd Heiberg at the EGRC 7th session in Geneva. The focus is to develop more detailed guidelines to collate national petroleum and mining inventories for the Nordic region under a single reporting system based on UNFC-2009. The project is being focused on Finland and Sweden's minerals reporting requirements.

22. On 4 January 2017, the Finland Geological Survey submitted to the EGRC a series of questions regarding the applicability of UNFC-2009 to national reporting and also its potential to be used for regulatory reporting. Finland also requested more information on UNFC-2009

and access to further training. Hari and Charlotte drafted a response that was reviewed by the TAG and submitted on 19 January. The TAG suggested that Finland be cautioned that UNFC-2009 has not yet been accepted for regulatory reporting of reserves and resources in any jurisdiction.

23. Sigurd has been requested to provide an update on this project to the TAG.

UNFC-2009 Update Project

24. The Bureau has established a working group to examine potential changes to UNFC-2009 to be presented for discussion in 2018. Many of the changes will focus on accommodating the inclusion of renewables that may impact category definitions. A draft terms of reference for the project was distributed to the TAG on 26 January.

25. John Etherington will collate issues identified by the TAG and has requested input from the full TAG.

TAG 2017 Review Timetable

26. The spreadsheet distributed at the 26 January Bureau conference call provides a schedule of dates for delivery of documents leading up to the 2017 EGRC sessions,

27. The TAG will schedule review sessions in Geneva with several of the active projects in the two days leading up to the 8th EGRC meeting. The TAG will meet in Geneva on 25 April for its annual meeting (time and room location to be communicated later).

TAG Process Issues

Case Studies

28. The EGRC administration team is planning to revise the UNFC website to provide a central repository for case studies indexed by subject and geographic location.

Review of Bureau-Led Studies

29. While specifications and bridging documents are developed by external working groups, several special studies (e.g. Competent Person, Project Definition, E- and G-axis revisions) are being developed within working groups led by Bureau members. As previously noted, it would be superfluous to request a separate TAG review before submitting a recommendation to the Bureau. There continue to be discussion regards optimizing the review process.

Next Meeting

30. It was proposed to schedule the next TAG meeting the week of 20-24 February 2017. Hari Tulsidas will issue a Doodle poll to define an exact date.
