

An aerial photograph of the SBN facility, showing various buildings and structures. A dashed orange line with arrows points from the 'SBN Far Detector' on the left towards the 'Booster Neutrino Beam Target Hall' on the right. The text 'Report from the SBN IB' is prominently displayed in the center.

Report from the SBN IB

Kevin McFarland, Elizabeth Worcester

SBN OB Meeting
09 December 2022

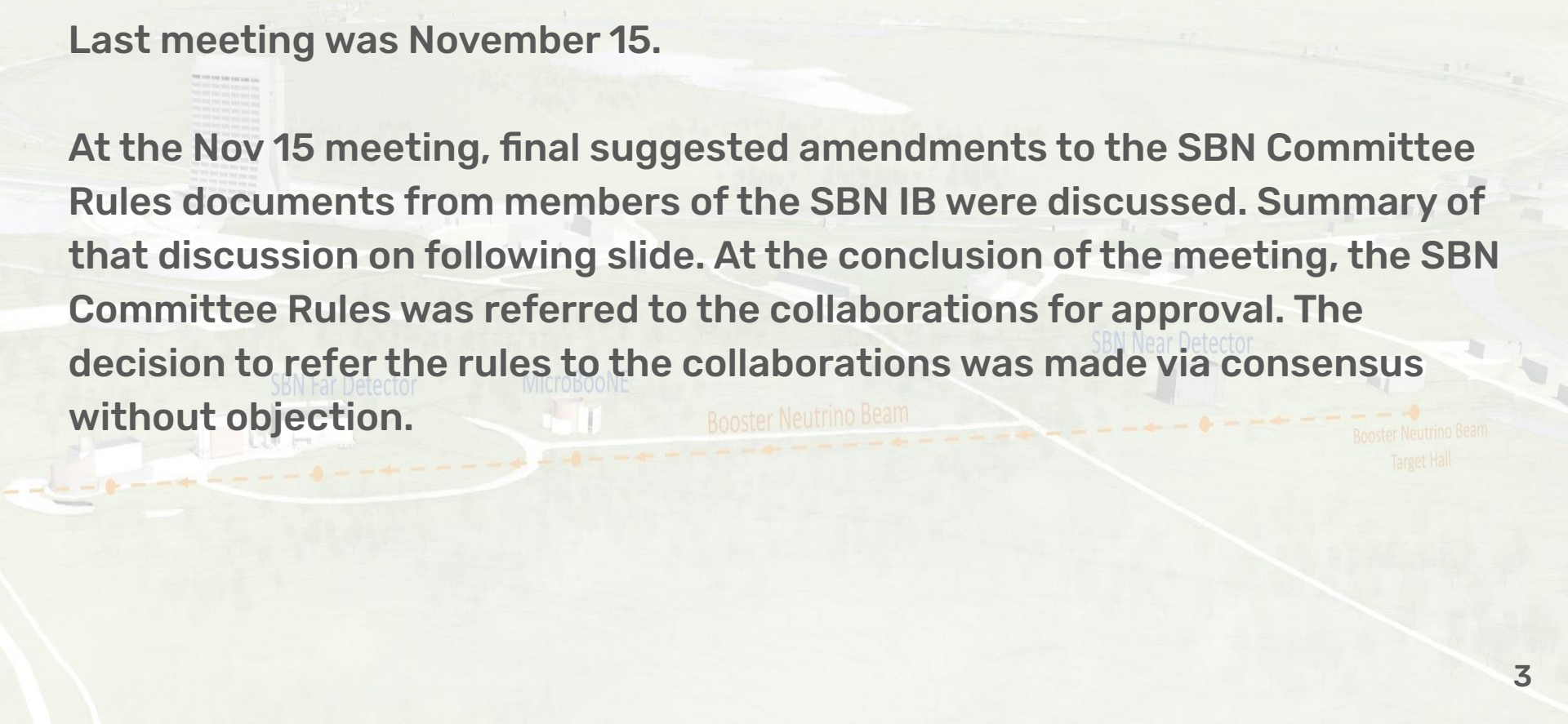
SBN IB Current Goals

- **Ratification of SBN Committee Rules document**
- **Charge standing committees to carry out key SBN processes as specified in organization documents:**
 - **Result Approval (RAC), Publications Approval (PubComm), Speakers Committee Functions (SC), Computing and Dataset Coordination (D3C). (Description of each is in the Backup.)**
- **Regular business of the IB, as specified in its by-laws.**
 - **Including the opportunity for members to bring up other topics and concerns: SBN Slack, SBN-Young, Attribution and Licensing for SBN software, etc.**

SBN IB Activities since last OB meeting

Last meeting was November 15.

At the Nov 15 meeting, final suggested amendments to the SBN Committee Rules documents from members of the SBN IB were discussed. Summary of that discussion on following slide. At the conclusion of the meeting, the SBN Committee Rules was referred to the collaborations for approval. The decision to refer the rules to the collaborations was made via consensus without objection.



Discussion at November 15 SBN IB meeting

- Non-substantive/clarification changes were made prior to the meeting by Kevin and Elizabeth in consultation with those suggesting the change and were briefly described in the meeting.
- One proposed modification, to shorten the time for final spokesperson approval for external papers, was discussed and adopted during the meeting.
- One proposed modification was due to a misunderstanding of the text, which was clarified in the meeting without text changes.
- A major suggested modification, to remove any SBN oversight of external papers and require only a footnote disclaimer in such papers, was discussed. There was not consensus on this suggestion and it was not adopted. The proponents were advised that amendments to the rules can be raised in the future.

Upcoming SBN IB Activities

- Next SBN IB meeting scheduled for January 10.
- Hope to ratify rules document at Jan 10 meeting
 - Both ICARUS and SBND IBs have met and have provided a short list of requested changes (next slide)
 - Plan is to come to agreement about details of changes within a small group (spokes + SBN IB chairs) such that a quick poll of each collaboration's IB will be successful
- If it is not possible to get the required collaboration approvals before Jan 10, the fallback goal is to have a final agreed-upon draft that we are confident will be approved by the collaborations without modification for approval by the SBN IB

Requested Changes

- **Easy:**
 - A handful of typos
 - Addition of suggestion to revisit committee membership every two years (for roles chosen by the collaborations)
 - Addition of who will chair Publications Committee
- **Not difficult**
 - Slightly different but not incompatible suggestions to change some of the language and procedures for external papers from each collaboration. Elizabeth will collate and provide suggested text
- **Difficult**
 - Concerns about committees keeping records of demographics (eg: race/ethnicity, gender, affiliation, career stage for speakers)
 - Have already added “as available,” given that we do not currently have a mechanism for acquiring this information
 - A best practice for DEI, thus should not be discarded completely

Upcoming SBN IB Activities (cont)

- Engage with Fermilab-wide Code of Conduct initiatives
 - Elizabeth attended the CoC Workshop in November
 - Kevin and Elizabeth have been meeting with SBN Young representatives to discuss their views on need for/scope of an SBN Code of Conduct (one meeting in advance of the CoC workshop and one scheduled for Dec 16)
 - Possible SBN roles in CoC process: provide guidance on where to go for issues that cross collaboration boundaries or occur in SBN joint working groups, facilitate more unification between separate SBND and ICARUS policies, move towards a single SBN system

Backup



SBN Processes (from September 2021)

When the RAC, PubComm, SC, and D3C committees are in place, these SBN processes can begin.

From the March 2019 “Data Sharing” Principles, “Principle 5: Any publication or presentation that uses data or software tools from either detector will be submitted to a two step process before being made public: 1. Decide the author list (if there is one), 2. Go through an appropriate process of review within the SBN program... The appropriate process of review will vary depending on the author list.”

- **Current drafts implement this, and refer single detector results to approval processes of the individual collaborations.**
- **Therefore, in this framework, the individual collaborations manage their own single detector physics programs.**

List of Rules Writing Committees

- **Group #1: Scientific result approval committee (RAC)**
 - This committee will follow a process to decide if a given scientific result should be reviewed by the SBND collaboration, the ICARUS collaboration, or by a joint process. In the case of a joint SBND/ICARUS process for reviewing the result, this group will need to define that procedure.
- **Group #2: Publication review committee (PubComm)**
 - For all SBN publications, this committee will assemble the author list, according to its rules. In the case that a paper describes a scientific result approved by a joint process, this group will also be charged with the review process for the paper, and determine when the paper is ready for submission.
- **Group #3: Speakers committee (SC)**
 - This committee will collect speaker requests for the SBN experiments. It will first decide if the request should go through a SBND only process, an ICARUS only process, or a joint process. Since so many speaker requests are joint across the SBN program, as a practical matter, the group should consult with the existing SBND and ICARUS speakers committee and collaboration leadership to determine if a single merged speakers committee should be considered.
- **Group #4. Dataset and Computing Coordination Group (D3C)**
 - The SBN experiments will need to make joint decisions about when datasets are ready for common analysis, and how to prioritize computer resources for those datasets. This group should advise on that function, and should coordinate with SBN collaboration to make joint decisions about datasets and use of computing resources. This committee will also oversee the technical implementation of access to 10 SBN analysis software and to SBN data for all SBN collaborators.

Membership of Rules Writing Committees

Result Approval: Costas Andreopolous , Mark Convery, Bill Louis (chair), Sandro Palestini, Fernanda Psihas, Stephen Dolan

Publication Review: Maurizio Bonesini, Dan Cherdack Albert De Roeck), Elizabeth Worcester (chair), Animesh Chatterjee

Speakers Committee: Minerba Betancourt, Sowjanya Gollapinni, Alessandro Menegolli (chair), Jarek Nowak, Francesco Poppi

Datasets and Computing Coordination: Wes Ketchum (chair), Mitch Soderberg, Andy Mastbaum, Gianluca Petrillo, Francesco Pietropaolo, Diana Mendez, Mateus Carneiro

SBN IB Interfaces to Collaborations

- From the March 2018 organization agreement..
 - “Procedures and policies covering joint aspects of operation, data sharing, data analysis, publications, etc. in the form of MoUs or other agreements can be brought to this body for deliberation or developed from within the group. Agreements developed within the SBN-IB will need to return to the individual collaborations involved in the MoU for final ratification.”
 - SBN IB bylaws have this language, with the clarification, “*These agreements developed...*”, and a procedure for that ratification.
- RAC, PubComm, SC & D3C rules must be ratified by ICARUS and SBND.
- In addition, we ask for feedback from MicroBooNE leadership.