

# IceCube Upgrade Re-baseline NSF Review

April 26-28, 2022 | Virtual

[Presentations and Background Material \(Docushare\)](#)

## NSF Zoom Teleconference Information

<https://nsf.zoomgov.com/j/1604774100?pwd=dUxJTk9UZHliaVZEUjFTc0JTYkxZZz09>

Breakout Sessions on Day 2 will be in Zoom Breakout Rooms

More Details at the End of this Document

## Agenda

(NOTE: Starting times listed for US Pacific/Central/Eastern zones)

| <b>Tuesday, April 26, 2022</b> | <b>Day 1 – Plenary Sessions</b>                                | <b>Duration</b> |
|--------------------------------|----------------------------------------------------------------|-----------------|
| 06:30/08:30/9:30               | <b>Executive Session</b>                                       | <b>30</b>       |
|                                | <b>Presentations</b>                                           |                 |
| 07:30/09:30/10:30              | Introductions / Welcome                                        | 15+5            |
| 07:50/09:50/10:50              | <i>P01_Upgrade Science: F. Halzen</i>                          | 20+5            |
| 08:15/10:15/11:15              | <i>P02_IceCube Upgrade Overview: K. Hanson</i>                 | 20+10           |
| 08:45/10:45/11:45              | <b>Break</b>                                                   | <b>15</b>       |
| 09:00/11:00/12:00              | <i>P03_Project Overview: V. O'Dell</i>                         | 30+10           |
| 09:40/11:40/12:40              | <i>P04_Drilling – from IceCube to Upgrade: J. Cherwinka</i>    | 15+5            |
| 10:00/12:00/01:00              | <b>Lunch Break</b>                                             | <b>30</b>       |
|                                | <b>Presentations</b>                                           |                 |
| 10:30/12:30/01:30              | <i>P05_1.3 Deep Sensor Modules: T. Karg</i>                    | 12+8            |
| 10:50/12:50/01:50              | <i>P06_1.4 Comms, Power, Timing: T. DeYoung</i>                | 12+8            |
| 11:10/01:10/02:10              | <i>P07_1.5 Characterization &amp; Calibration: D. Williams</i> | 12+8            |
| 11:30/01:30/02:30              | <i>P08_1.6 Data Systems Integration: E. Blaufuss</i>           | 12+8            |
| 11:50/01:50/02:50              | <b>Break</b>                                                   | <b>20</b>       |
| 12:10/02:10/03:10              | <i>P09_Drilling: T. Benson</i>                                 | 15+10           |
| 12:35/02:35/03:35              | <i>P10_Detector Installation: D. Tosi</i>                      | 15+10           |
| 01:00/03:00/04:00              | <i>P11_Logistics: Ian McEwen</i>                               | 15+10           |
| 01:30/03:30/04:30              | <b>Executive Session (Closed)</b>                              | <b>60</b>       |

## NSF Rebaseline Review Agenda (Cont.)

| <b>Wednesday, April 27, 2022</b> | <b>Day 2 – Breakout Sessions</b>                                              | <b>Rooms/Duration</b> |
|----------------------------------|-------------------------------------------------------------------------------|-----------------------|
| 06:30/08:30/09:30                | <b>Executive Session</b> (closed, if needed)                                  | <b>Online</b>         |
| 07:00/09:00/10:00                | <b>Project answers to questions</b>                                           | <b>Supernova</b>      |
| 08:00/10:00/11:00                | <b>Breakout Sessions</b>                                                      |                       |
|                                  | <b>Breakout 1: WBS 1.1 Project Management</b>                                 | <b>Neutrino</b>       |
|                                  | <i>B1_1_QA/QC and Safety processes: M. Zernick</i>                            | 20+10                 |
|                                  | <i>B1_2_Cost/Schedule/EVMS: V. O'Dell</i>                                     | 20+10                 |
|                                  | <i>B1_3_PM Oversight and Processes: F. Feyzi</i>                              | 20+10                 |
|                                  | <i>B1_4_Risks and risk register: M. DuVernois</i>                             | 20+10                 |
|                                  | <b>Breakout 2: WBS 1.2 Drill, On-ice Seasons, Installation, and Logistics</b> | <b>Supernova</b>      |
|                                  | <i>B2_1_Drill Technical Status: T. Benson</i>                                 | 20+10                 |
|                                  | <i>B2_2_On Ice Seasons: D. Gibson</i>                                         | 20+10                 |
|                                  | <i>B2_3_Installation: D. Tosi</i>                                             | 20+10                 |
|                                  | <i>B2_4_Logistics: I. McEwen</i>                                              | 20+10                 |
| 10:00/12:00/01:00                | <b>Lunch Break</b>                                                            | <b>60</b>             |
| 11:00/01:00/02:00                | <b>Breakout Sessions</b>                                                      |                       |
|                                  | <b>Breakout 1: Cost/Schedule</b>                                              | <b>Neutrino</b>       |
|                                  | Reviewers choice: suggestions:                                                |                       |
|                                  | Drill Control Systems                                                         |                       |
|                                  | Field Seasons                                                                 |                       |
|                                  | <b>Breakout 2: WBS 1.3-1.6 Instrumentation</b>                                | <b>Supernova</b>      |
|                                  | <i>B2_5_WBS 1.3 Deep Ice Sensor Modules: T. Karg</i>                          | 20+10                 |
|                                  | <i>B2_6_WBS 1.4 Comms, Power, and Timing (CPT): T. DeYoung</i>                | 20+10                 |
|                                  | <i>B2_7_WBS 1.5 Characterization and Calibration: D. Williams</i>             | 20+10                 |
|                                  | <i>B2_8_WBS 1.6 Data Systems Integration: E. Blaufuss</i>                     | 20+10                 |
| 01:00/03:00/04:00                | <b>Break</b>                                                                  | <b>15</b>             |
| 01:15/03:15/04:15                | <b>Executive Session</b> (closed) / <b>Writing</b>                            | <b>Supernova</b>      |
| <b>Thursday, April 28, 2022</b>  | <b>Day 3 – Responses</b>                                                      | <b>Room</b>           |
| 07:00/09:00/10:00                | <b>Project answers to questions</b>                                           | <b>Supernova</b>      |
| 08:00/10:00/12:00                | <b>Executive Session</b> (closed)                                             | <b>Supernova</b>      |
| 09:00/12:00/01:00                | <b>Closeout presentation by Review Panel</b>                                  | <b>Supernova</b>      |

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<https://nsf.zoomgov.com/j/1604774100?pwd=dUxJTk9UZHIiaVZEUjFTc0JTYkxZZz09>

Meeting ID: 160 477 4100

Passcode: 374764

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  - Meeting ID: 160 477 4100
  - Passcode: 374764
- **International numbers**
  - Join from an H.323/SIP room system
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    - 161.199.136.10 (US East)
    - Meeting ID: 160 477 4100
    - Passcode: 374764
  - SIP:
    - [1604774100@sip.zoomgov.com](mailto:1604774100@sip.zoomgov.com)
    - Passcode: 374764