These minutes document the IAB votes regarding the Toshiba request for in-kind contribution emailed to the IAB on June 2, 2017. That email is included as an appendix to these minutes. Quorum requires more than 10 members to participate. 11 members voted. Votes are based on membership level.

The request was approved.

### Attendees

<table>
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<tr>
<th>Company</th>
<th>Name</th>
<th>Membership Level</th>
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From: Ken Dulaney [mailto:ken_dulaney@ncsu.edu]
Sent: Friday, June 02, 2017 2:14 PM
To: Iulian Nistor <iulian.nistor@us.abb.com>; Sandeep Bala
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<brpeter.liu@toshiba.com>; Wente ZENG <wente.zeng@total.com>; Carlos CARREJO
<brCarlos.Carrejo@total.com>; Jae Lee (TEMA TTC) <jae.lee@toyota.com>; Kyosuke Miyagi (TEMA TTC)
<brkyosuke.miyagi@toyota.com>; Poria Fajri (TEMA TTC)
<brporia.fajri@toyota.com>; giuseppe.gatti@wicor.com; Giuseppe Simioli <giuseppe.simioli@wicor.com>
Subject: FREEDM: IAB Required Vote on Toshiba In-Kind Request, Due June 9

Dear IAB,

As discussed at a recent meeting, Toshiba has submitted a formal request to donate some batteries as an in-kind contribution to the Center in lieu of their Year 9 Associate member dues. Our researchers have used this model of LTO batteries in previous DESD-related projects due to their safety, longevity, and other characteristics. The Center Director agrees that this donation will further the research needs of the Center and is valued at more than the Associate Member annual dues of $15,000. The attachment contains more details from Dr. Peter Liu, Assistant Technology Executive at Toshiba International Corporation.

In accordance with section B.8 of our bylaws, these requests are subject to agreement from the Center leadership and subject to approval by the IAB. Please respond to this email with your company's vote of "Yes" or "No" by June 9, 2017. Votes will be tallied according to our voting procedures in section A.4 of the bylaws.
Please let me know if you have any questions. Thank you.

Ken Dulaney, PE  
Director of Industry and Innovation  
FREEDM Systems Center  
(919) 513-2996 Office  
(919) 645-8085 Mobile

On Thu, Mar 2, 2017 at 1:56 PM, Liu, Peter (TIC) <Peter.Liu@toshiba.com> wrote:

Hi, Ken,

We propose to provide the following in-kind contribution to FREEDM center.

- 30 Toshiba SCiB modules (20Ah 2P12S Type 1 module)

We evaluate the value of a modules as $600 and the value of 30 modules as $18,000. The new module is about $1000. The modules as in-kind contribution has been used few times as prototyping and demonstration purpose.

We also propose to pay one-year associate membership with the in-kind contribution.

Please let us know if you have any questions.

Thanks,

Peter Liu  
Asst Technology Executive, Ph. D  
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Tel: 713.466.0277 x3554 | Cell: 713.289.9055  
Email: peter.liu@toshiba.com  
Website: https://www.toshiba.com/tic/