NEGOTIATION AGREEMENT

Institution: MASSACHUSETTS INSTITUTE OF TECHNOLOGY
CAMBRIDGE, MASSACHUSETTS 02139

The Facilities and Administrative rates contained herein are for use on grants, contracts and/or other agreements issued or awarded to the Massachusetts Institute of Technology (MIT) by all Federal Agencies of the United States of America, in accordance with the cost principles mandated by 2 CFR 220. These rates shall be used for forward pricing and billing purposes for MIT’s Fiscal Year (FY) 2013. This rate agreement supersedes all previous rate agreements/determinations for FY 2013.

SECTION I: RATES - TYPE: FIXED WITH CARRYFORWARD (“FIXED”)

<table>
<thead>
<tr>
<th>TYPE</th>
<th>FROM</th>
<th>TO</th>
<th>RATE</th>
<th>BASE</th>
<th>APPLICABLE TO</th>
<th>LOCATION</th>
</tr>
</thead>
<tbody>
<tr>
<td>F&amp;A</td>
<td>Fixed</td>
<td>7/1/12</td>
<td>6/30/13</td>
<td>56.0%</td>
<td>(a) Organized Research</td>
<td>On Campus</td>
</tr>
<tr>
<td>F&amp;A</td>
<td>Fixed</td>
<td>7/1/12</td>
<td>6/30/13</td>
<td>4.5%</td>
<td>(a) Organized Research</td>
<td>Off Campus</td>
</tr>
</tbody>
</table>

DISTRIBUTION BASE

(a) Modified Total Direct Cost (MTDC), as defined in OMB Circular A-21, consisting of all salaries and wages, fringe benefits, materials and supplies, services, travel, and subgrants and subcontracts up to the first $25,000 each (regardless of the period covered by the subgrant or subcontract); and excluding equipment, capital expenditures, charges for tuition remission, rental costs, scholarships and fellowships as well as the portion of each subgrant and subcontract in excess of $25,000.

SECTION II - GENERAL

A. LIMITATIONS: Use of the rates set forth under Section I is subject to any statutory or administrative limitations and is applicable to a given grant, contract or other agreement only to the extent that funds are available and consistent with any and all limitations of cost clauses or provisions, if any, contained therein. Acceptance of any or all of the rates agreed to herein is predicated upon all the following conditions: (1) that no costs other than those incurred by the grantee/contractor were included in its indirect cost pool as finally accepted and that all such costs are legal obligations of the grantee/contractor and allowable under governing cost principles; (2) that the same costs that have been treated as indirect costs are not claimed as direct costs; (3) that similar
types of costs, in like circumstances, have been accorded consistent accounting treatment; (4) that
the information provided by the contractor/grantee, which was used as the basis for the acceptance of
the rates agreed to herein and expressly relied upon by the Government in negotiating the said rates,
is not subsequently found to be materially incomplete or inaccurate.

B. ACCOUNTING CHANGES: The rates contained in Section I of this agreement are based
on the accounting system in effect at the time this agreement was negotiated. Changes to the
method(s) of accounting for costs, which affects the amount of reimbursement resulting from the use
of these rates, require the written approval of the authorized representative of the cognizant
negotiating agency for the Government prior to implementation of any such changes. Such changes
include but are not limited to changes in the charging of a particular type of cost from indirect to
direct. Failure to obtain such approval may result in subsequent cost disallowances.

C. USE BY OTHER FEDERAL AGENCIES: The rates set forth in Section I hereof were
negotiated in accordance with and under the authority set forth in 2 CFR 220. Accordingly, such
rates shall be applied to the extent provided in such regulations to grants, contracts and other
transactions to which 2 CFR 220 is applicable, subject to any limitations in part A of this section.
Copies of this document may be provided by either party to other Federal agencies which have or
intend to issue or award grants and contracts using these rates or to otherwise provide such agencies
with documentary notice of this agreement and its terms and conditions.

D. FIXED RATES WITH CARRY-FORWARD PROVISIONS: The fixed rates contained
in this agreement are based on estimates of the costs for FY 2013. When actual costs for FY 2013
are determined, adjustments will be applied to the rates of a future year to recognize the difference
between the FY 2013 estimated costs used to establish the fixed rates and the negotiated actual FY
2013 costs.

E. LIQUIDATION OF CARRY-FORWARD AMOUNTS: The below carry-forward
amounts were included in the establishment of the FY 2013 fixed rates. ( ) indicates over-recovery

<table>
<thead>
<tr>
<th></th>
<th>On Campus</th>
<th>Off Campus</th>
</tr>
</thead>
<tbody>
<tr>
<td>FY 2009 estimated</td>
<td>($5,518,000)</td>
<td></td>
</tr>
<tr>
<td>FY 2010 estimated</td>
<td>($6,637,000)</td>
<td>($3,244,000)</td>
</tr>
<tr>
<td>FY 2011 estimated</td>
<td></td>
<td>($1,450,000)</td>
</tr>
</tbody>
</table>

F. SPECIAL REMARKS:

1. Off Campus rates are used when the preponderance of effort is performed at Lincoln
Laboratory, Haystack Observatory or other off-site locations.

2. The Government’s agreement with the rates set forth in Section I is not an acceptance of
the MIT’s accounting practices or methodologies. Any reliance by the Government on cost data or
methodologies submitted by MIT is on a non-precedence-setting basis and does not imply
Government acceptance.

3. Signature of this agreement by the authorized representatives of MIT and the Government
acknowledges and affirms the Institute’s request for waiver of the prohibition contained in DFARS 231.303 (1) and the Government’s exercise of its discretion contained in DFARS 231.303 (2) to waive the prohibition in DFARS 231.303 (1). The waiver request by MIT is made to simplify the Institute's overall management of DOD cost reimbursement under DOD contracts.

FOR MASSACHUSETTS INSTITUTE OF TECHNOLOGY:

MICHELLE D. CHRISTY
Director, Office of Sponsored Programs

Date 8/15/2012

FOR THE U.S. GOVERNMENT:

LINDA B. SHIPP
Contracting Officer

Date 8-15-2012

For information concerning this agreement contact:
Linda B. Shipp (linda.shipp@navy.mil); (703) 696-8559, FAX: (703) 696-2870
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875 N. Randolph Street, Arlington, VA 22203