1. Name and Address of Reporting Person:
   **ASLETT MARK**
   
   (Last) (First) (Middle)
   50 MINUTEMAN ROAD
   
   (Street)
   ANDOVER MA 01810
   
   (City) (State) (Zip)

2. Issuer Name and Ticker or Trading Symbol:
   **MERCURY SYSTEMS INC [ MRQY ]**

3. Date of Earliest Transaction (Month/Day/Year)
   01/14/2020

4. If Amendment, Date of Original Filed (Month/Day/Year)
   01/15/2020

Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned

<table>
<thead>
<tr>
<th>1. Title of Security (Instr. 3)</th>
<th>2. Transaction Date (Month/Day/Year)</th>
<th>2A. Deemed Execution Date, if any (Month/Day/Year)</th>
<th>3. Transaction Code (Instr. 5)</th>
<th>4. Securities Acquired (A) or Disposed Of (D) (Instr. 3, 4 and 5)</th>
<th>5. Amount of Securities Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 4)</th>
<th>6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)</th>
<th>7. Nature of Indirect Beneficial Ownership (Instr. 4)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Common Stock</td>
<td>01/14/2020</td>
<td>S</td>
<td>V</td>
<td>6,250 (1)</td>
<td>$73,387 (2)</td>
<td>D</td>
<td></td>
</tr>
<tr>
<td>Common Stock</td>
<td>01/15/2020</td>
<td>S</td>
<td>V</td>
<td>6,250 (1)</td>
<td>$75,129 (3)</td>
<td>D</td>
<td></td>
</tr>
</tbody>
</table>

Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)

<table>
<thead>
<tr>
<th>1. Title of Derivative Security (Instr. 3)</th>
<th>2. Conversion or Exercise Price of Derivative Security</th>
<th>3. Transaction Date (Month/Day/Year)</th>
<th>3A. Deemed Execution Date, if any (Month/Day/Year)</th>
<th>4. Transaction Code (Instr. 8)</th>
<th>5. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)</th>
<th>6. Date Exercisable and Expiration Date (Month/Day/Year)</th>
<th>7. Title and Amount of Securities Underlying Derivative Security Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 4)</th>
<th>8. Price of Derivative Security (Instr. 5)</th>
<th>9. Number of Derivative Securities Beneficially Owned Following Reported Transaction(s) (Instr. 4)</th>
<th>10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)</th>
<th>11. Nature of Indirect Beneficial Ownership (Instr. 4)</th>
</tr>
</thead>
</table>

Explanation of Responses:

1. Pursuant to a 10b5-1 stock trading plan established on August 5, 2019.
2. The price reported in Column 4 is a weighted average price. These shares were sold in multiple transactions at prices ranging from $72.44 to $74.02, inclusive.
3. The price reported in Column 4 is a weighted average price. These shares were sold in multiple transactions at prices ranging from $74.18 to $75.78, inclusive.

Remarks:

/s/ Michelle McCarthy,
Attorney-in-Fact for ASLETT MARK
01/16/2020

** Signature of Reporting Person Date

Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.

* If the form is filed by more than one reporting person, see Instruction 4 (b)(v).


Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, see Instruction 6 for procedure.

Persons who respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB Number.