I. Abstract

Since 2014, the USPTO has conducted a program entitled “National Summer Teacher Institute on Innovation, STEM, and Intellectual Property.” The National Summer Teacher Institute (NSTI) is a multi-day professional development training opportunity open to all K–12 teachers nationwide. NSTI is designed to increase teachers’ knowledge of making, inventing, creating, and protecting intellectual property so they can inspire the next generation of innovators and entrepreneurs. This program accepts applications for participation in the NSTI. Interested individuals must submit an application requesting to participate in the program. In the application, applicants must certify that they are teachers with at least 3 years’ experience; identify STEM related fields they plan to teach in the upcoming year; and acknowledge their commitment to incorporate the learnings from the NSTI into their curriculum, where applicable, and cooperate with sharing lessons and outcomes with teachers and the USPTO.

The NSTI participants have included teachers in STEM, innovation, entrepreneurship, and related fields who will learn about innovative strategies to help increase student learning and achievement in these fields together with elements of Intellectual Property (IP) and invention education. Outside scientists, engineers, inventors, creators, and entrepreneurs are among the presenters and workshop leads. Attendees participate in field trips (e.g. to NASA, Energy, National Labs) and have opportunities for networking with other educators and invited experts.

The USPTO also conducts webinars and workshops for K–12 educators in conjunction with or subsequent to the NSTI to provide information on IP, invention, and STEM topics of interest to K–12 educators. In light of the pandemic, the NSTI and some of the workshops may take place in virtual environments. Workshops will be available for educators with less than 3 years of experience, pre-service teachers, higher education faculty, home school, and informal educators. USPTO plans to conduct surveys on the NSTI, workshops, and the webinars in order to gain useful feedback from program participants.

II. Method of Collection

Items in this information collection are submitted via online electronic submissions.

III. Data

OMB Control Number: 0651–0077.

Form Numbers: 

- NSTI 1 (Summer Teacher Institute Application)
- NSTI 2 (Summer Teacher Institute Participant Survey)
- NSTI 3 (Summer Teacher Institute Webinar/Workshop Survey)

Type of Review: Extension and revision of a currently approved information collection.

Affected Public: Individuals or households.

Estimated Number of Respondents: 7,000 respondents per year.

Estimated Number of Responses: 13,700 responses per year.

Estimated Time per Response: The USPTO estimates that it takes the public from approximately 5 minutes (0.08 hours) to 30 minutes (0.5 hours), depending on the complexity of the situation, to gather the necessary information, prepare the appropriate documents, and submit the information to the USPTO.

Estimated Total Annual Respondent Burden Hours: 2,999 hours.

TABLE 1—TOTAL HOURLY BURDEN FOR INDIVIDUALS OR HOUSEHOLDS RESPONDENTS

<table>
<thead>
<tr>
<th>Item No.</th>
<th>Item</th>
<th>Estimated annual respondents (a)</th>
<th>Estimated annual responses (b)</th>
<th>Estimated time for response (hour) (a) × (b) = (c)</th>
<th>Estimated annual burden (hour/year) (a) × (b) = (c)</th>
<th>Rate 1 ($/hour)</th>
<th>Estimated annual respondent cost burden (c) × (d) = (e)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Summer Teacher Institute Applicants: Application (NSTI 1).</td>
<td>2,100</td>
<td>2,100</td>
<td>0.50 (30 minutes)</td>
<td>1,050</td>
<td>$38.69</td>
<td>$40,625</td>
</tr>
<tr>
<td>2</td>
<td>Summer Teacher Institute Participants: Application (NSTI 1).</td>
<td>900</td>
<td>900</td>
<td>0.50 (30 minutes)</td>
<td>450</td>
<td>38.69</td>
<td>17,411</td>
</tr>
<tr>
<td></td>
<td>Survey (NSTI 2).</td>
<td>900</td>
<td>900</td>
<td>0.25 (15 minutes)</td>
<td>225</td>
<td>38.69</td>
<td>8,705</td>
</tr>
<tr>
<td></td>
<td>Webinar/Workshop Survey (NSTI 3).</td>
<td>1,800</td>
<td>1,800</td>
<td>0.13 (8 minutes)</td>
<td>234</td>
<td>38.69</td>
<td>9,053</td>
</tr>
<tr>
<td>3</td>
<td>Webinar/Workshop Survey (NSTI 3).</td>
<td>4,000</td>
<td>8,000</td>
<td>0.13 (8 minutes)</td>
<td>1,040</td>
<td>38.69</td>
<td>40,238</td>
</tr>
<tr>
<td>Total</td>
<td></td>
<td>7,000</td>
<td>13,700</td>
<td></td>
<td>2,999</td>
<td></td>
<td>116,032</td>
</tr>
</tbody>
</table>