URISA’s Preparing for GISP Certification Webinar

- April 3, 2018: 1:00 – 3:30 PM Eastern
- April 4, 2018: 1:00 – 4:30 PM Eastern

The GISP has become a respected and in-demand indication of your skills as a GIS professional. If you are pursuing the GISP credential, or are thinking of doing so, join us on April 3 and 4, 2018 for a six-hour, two day virtual event, as a group of talented GIS experts share valuable information that can increase your chance of success.

Earning the GISP credential requires successfully completing an exam as well as a number of other application requirements.

- Day one (Tuesday, April 3) will explore the reasons that the GISP credential is worth pursuing as well as what is involved in completing each part of the application.
- Day two (Wednesday, April 4) will explore the topics that you need to be familiar with for each of the knowledge areas covered by the GISP exam.

Information presented in this webinar is designed to help professionals who have extensive GIS education and experience, but need to know what topics to review prior to taking the exam. It also will help individuals with some GIS experience that may be lacking in one or more areas covered by the exam and that need to know where to find additional resources to study.

The webinar agenda will be as follows:

<table>
<thead>
<tr>
<th>Tuesday, April 3, 2018</th>
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</thead>
<tbody>
<tr>
<td>All times Eastern</td>
<td>Topic</td>
<td>Presenter</td>
</tr>
<tr>
<td>1:00 to 1:30</td>
<td>GISP: The Road To and Through an Exam</td>
<td>Tripp Corbin</td>
</tr>
<tr>
<td>1:30 to 1:35</td>
<td>Break</td>
<td>Tripp Corbin</td>
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<tr>
<td>1:35 to 3:25</td>
<td>Overview and Planning Ahead</td>
<td>Tripp Corbin</td>
</tr>
<tr>
<td>2:05 to 2:10</td>
<td>Break</td>
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<tr>
<td>2:10 to 2:50</td>
<td>Education Achievements</td>
<td>Kevin Mickey</td>
</tr>
<tr>
<td>2:50 to 2:55</td>
<td>Break</td>
<td>Keri Brennan</td>
</tr>
<tr>
<td>3:25 to 3:25</td>
<td>Contributions to the Profession</td>
<td>Lynda Wayne</td>
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<thead>
<tr>
<th>Wednesday, April 4, 2018</th>
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<tbody>
<tr>
<td>All times Eastern</td>
<td>Topic</td>
<td>Presenter</td>
</tr>
<tr>
<td>1:00 to 1:30</td>
<td>Knowledge Category 1. Conceptual Foundations</td>
<td>Gary Kent</td>
</tr>
<tr>
<td>1:30 to 1:35</td>
<td>Break</td>
<td></td>
</tr>
<tr>
<td>1:35 to 2:05</td>
<td>Knowledge Category 2. Cartography and Visualization</td>
<td>Xan Fredericks</td>
</tr>
<tr>
<td>2:05 to 2:10</td>
<td>Break</td>
<td></td>
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<tr>
<td>2:10 to 2:45</td>
<td>Knowledge Category 6. Geospatial Data</td>
<td>Al Karlin</td>
</tr>
<tr>
<td>2:45 to 2:50</td>
<td>Break</td>
<td></td>
</tr>
<tr>
<td>2:50 to 3:20</td>
<td>Knowledge Category 4. GIS Analytical Methods</td>
<td>Lisa Fulton</td>
</tr>
<tr>
<td>3:20 to 3:25</td>
<td>Break</td>
<td></td>
</tr>
<tr>
<td>3:25 to 3:55</td>
<td>Knowledge Category 5. Data Manipulation</td>
<td>Carl Anderson</td>
</tr>
<tr>
<td>3:55 to 4:00</td>
<td>Break</td>
<td></td>
</tr>
<tr>
<td>4:00 to 4:30</td>
<td>Knowledge Category 3. GIS Design Aspects and Data Modeling</td>
<td>Lorne Dmitruk</td>
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</table>
Two offerings of the URISA GIS Leadership Academy in 2018:

<table>
<thead>
<tr>
<th>URISA GIS Leadership Academy</th>
<th>URISA GIS Leadership Academy</th>
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</thead>
<tbody>
<tr>
<td>April 9-13, 2018</td>
<td>July 23-27, 2018</td>
</tr>
<tr>
<td>Columbus, Ohio</td>
<td>Salt Lake City, Utah</td>
</tr>
</tbody>
</table>

Don’t miss this fantastic partnership between URISA, its four California Chapters and the California Geographic Information Association. Join us in Palm Springs!

GIS-Pro & CalGIS 2018
October 9-12, 2018
Palm Springs, California

Watch for news about the 2018 URISA Caribbean GIS Conference!

Mark your calendar! GIS/CAMA 2019
Portland, Oregon
February 25-28, 2019

Follow @URISA on Twitter - Join the URISA LinkedIn Group - Like us on Facebook
Preparing for the GISP Exam
April 3-4, 2018

Why Certification?
Tripp Corbin, MCP, GISP

Why Certification?

Advance GIS as a Profession
Support employment & business needs
Ensure core competency of ethics, experience, education & contributions
Document your achievements & gain recognition
Growing requirement for positions & increased earning potential (GISPs earn on average $10,000 more than nonGISPs based on URISA 2017 Salary Survey)
What is a profession?

According to Dictionary.com – a vocation requiring knowledge of some department of learning or science.

According to Freedictionary.com – an occupation requiring special training in liberal arts or science.

According to Google – a paid occupation, especially one that involves prolonged training and formal qualifications.

According to Wikipedia – a vocation founded on specialized educational training, the purpose of which is to supply services to others.

Characteristics of a Profession

Specialized knowledge and skills
Formal education
Practicing professionals have responsibility and authority
Licensure or Certification
Apprenticeship period
Standardized Code of Ethics
Professional Culture
Clients not customers
Terminology

**Certification:** a voluntary evaluation and acknowledgment of skills in a profession. Designed to recognize expertise.

**Licensure:** a legal regulation, requiring competency in a practice. Designed to guard against incompetence.

**Certificate:** An award given to an individual recognizing completion of an academic or training program.

How did we get here?
Professional Certification Development

GISCI GISP® Certification

Feasibility
Comm. GISP® Cert. GISCI
Start accred. & exam 7000 GISPs


NCCA/ICE (Nat. Commission for Certifying Agencies/Institute for Credentialing Excellence)
NCCA/NOCA Certification Standards ICE Update

2003 2012
ANSI/ISO ANSI/ISO 17024: Personnel Certification Update

Job Analysis and Certification Development

Job Definition & Certification Purpose

Job Analysis

Tasks KSAs

Linkage & Validity

Certification/Assessment Specification

Psychometric Validation/review Assessment Instrument Resources: Lit., References, BoK, Best Practices

Certification
Why the exam?
- Strengthen the GISP® certification
- Align with Job Analysis
- Validate Portfolio
- Prepare for accreditation

Why the portfolio?
- Proof of required experience, education and professional contributions
- Align with and validate Job Analysis
- Validate Exam
- Prepare for accreditation
Future of GISP and GISCI

Accreditation for GISP
Continued improvement of GISP
Development of additional certifications

Should you certify?

RESULTS OF 2017 GIS CERTIFICATION SURVEY
2017 GIS Certification Survey

2,724 Responses
- 88% GIS was primary job
- 68% had over 10 years GIS experience
- Number of responders increased from 2016 by 177

2017 Survey Responders

Employer Type
- 33% Private Companies
- 15% City Government
- 16% County Government
- 9% State Government
- 7% Federal Government
- 8% Education
- 2% Non-profit
- 5% Utility
- 5% Other (Regional, Tribal, Health Care)
GIS Certification Survey

Countries
- 86% USA
- 5% Canada
- 9% Other (India, Australia, Spain, South Africa, UK....)

<table>
<thead>
<tr>
<th>Certification</th>
<th>2015</th>
<th>2014</th>
<th>2013</th>
</tr>
</thead>
<tbody>
<tr>
<td>GISP</td>
<td>91%</td>
<td>89%</td>
<td>81%</td>
</tr>
<tr>
<td>Esri Technical</td>
<td>80%</td>
<td>82%</td>
<td>76%</td>
</tr>
<tr>
<td>Certified GIS/LIS Technologist (ASPRS)</td>
<td>22%</td>
<td>25%</td>
<td>18%</td>
</tr>
<tr>
<td>CMS (ASPRS)</td>
<td>13%</td>
<td>11%</td>
<td>9%</td>
</tr>
<tr>
<td>CP (ASPRS)</td>
<td>9%</td>
<td>10%</td>
<td>8%</td>
</tr>
<tr>
<td>Other</td>
<td>6%</td>
<td>7%</td>
<td>7%</td>
</tr>
<tr>
<td>Never heard of one</td>
<td>5%</td>
<td>5%</td>
<td>8%</td>
</tr>
</tbody>
</table>
GIS Certification Survey

Do you believe certification benefits GIS Professionals and users?

◦ 62% say Yes (Same as 2016)
◦ 11% say No (up 1% from 2016)
◦ 5% say No but Licensure would (Down 1% from 2016)
◦ 18% Not sure (Same as 2016)
◦ 4% Other (Same from 2016)

GIS Certification Survey

Which type of Certification do you believe is most valuable?

◦ 31% Professional such as GISP, CMS, CP or similar (Down 1% from 2016)
◦ 12% Technical such as Esri, Autodesk or similar (Up 2% from 2016)
◦ 38% Both (Up 1% from 2016)
◦ 12% Not Sure (Down 2% from 2016)
◦ 7% None (Same as 2016)

New question for 2016
GIS Certification Survey

Do you think the exam adds credibility to the GISP certification?

- 58% Yes (Up 7% from 2016)
- 18% No (Down 1% from 2016)
- 24% Not Sure (Down 12% from 2016)

GIS Certification Survey

Does your organization require GIS certification for any job positions?

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<tr>
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<tbody>
<tr>
<td>Yes</td>
<td>9%</td>
<td>7%</td>
<td>5%</td>
<td>5%</td>
<td>8%</td>
</tr>
<tr>
<td>No</td>
<td>87%</td>
<td>89%</td>
<td>92%</td>
<td>91%</td>
<td>85%</td>
</tr>
<tr>
<td>Not Sure</td>
<td>4%</td>
<td>4%</td>
<td>3%</td>
<td>4%</td>
<td>6%</td>
</tr>
</tbody>
</table>

Education was the most popular requirement. Many mistaking a degree for certification in both years.
GIS Certification Survey

When hiring new GIS staff, does your organization consider having a GIS related certification as a plus over those that don't?

<table>
<thead>
<tr>
<th></th>
<th>2017</th>
<th>2016</th>
<th>2015</th>
<th>2014</th>
</tr>
</thead>
<tbody>
<tr>
<td>Yes</td>
<td>44%</td>
<td>44%</td>
<td>31%</td>
<td>30%</td>
</tr>
<tr>
<td>No</td>
<td>32%</td>
<td>32%</td>
<td>38%</td>
<td>38%</td>
</tr>
<tr>
<td>Not Sure</td>
<td>24%</td>
<td>24%</td>
<td>31%</td>
<td>32%</td>
</tr>
</tbody>
</table>

GIS Certification Survey

Does your organization offer a bonus or pay raise of you get a GIS Certification?

<table>
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<tbody>
<tr>
<td>Yes</td>
<td>7%</td>
<td>7%</td>
<td>4%</td>
<td>4%</td>
<td>8%</td>
</tr>
<tr>
<td>No</td>
<td>56%</td>
<td>57%</td>
<td>65%</td>
<td>64%</td>
<td>65%</td>
</tr>
<tr>
<td>No but they pay for it</td>
<td>29%</td>
<td>30%</td>
<td>22%</td>
<td>23%</td>
<td>18%</td>
</tr>
<tr>
<td>Not Sure</td>
<td>8%</td>
<td>6%</td>
<td>9%</td>
<td>10%</td>
<td>9%</td>
</tr>
</tbody>
</table>
GIS Certification Survey

When hiring new staff, does your organization pay higher salary for those with GIS certification?

<table>
<thead>
<tr>
<th></th>
<th>2017</th>
<th>2016</th>
<th>2015</th>
<th>2014</th>
</tr>
</thead>
<tbody>
<tr>
<td>Yes</td>
<td>11%</td>
<td>11%</td>
<td>7%</td>
<td>6%</td>
</tr>
<tr>
<td>No</td>
<td>61%</td>
<td>61%</td>
<td>64%</td>
<td>64%</td>
</tr>
<tr>
<td>Not Sure</td>
<td>29%</td>
<td>29%</td>
<td>29%</td>
<td>30%</td>
</tr>
</tbody>
</table>

GIS Certification Survey

Does your organization encourage GISP to be included in teams for GIS services if they are not required?

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</tr>
</thead>
<tbody>
<tr>
<td>Yes</td>
<td>17%</td>
<td>18%</td>
<td>12%</td>
<td>11%</td>
<td>17%</td>
</tr>
<tr>
<td>No</td>
<td>49%</td>
<td>49%</td>
<td>53%</td>
<td>52%</td>
<td>59%</td>
</tr>
<tr>
<td>Not Sure</td>
<td>23%</td>
<td>22%</td>
<td>25%</td>
<td>19%</td>
<td>14%</td>
</tr>
<tr>
<td>N/A</td>
<td>11%</td>
<td>11%</td>
<td>10%</td>
<td>18%</td>
<td>10%</td>
</tr>
</tbody>
</table>
Overall Conclusions
Though many think certification benefits the GIS Community, employers still have not fully embraced Certification to a large extent.
Professional Certification seems to be valued over technical by itself.
Education valued more generally over certification.
The difference between Certification, Licensure, Certificate, and Degree not largely understood.
Younger less experienced more accepting of Certification.

Questions
Tripp Corbin, MCP, GISP
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678-710-9710 ext 0021
Rebecca Somers, GISCI Exam Development
rsomers@somers-stclaire.com
Bill Hodge, GISCI Executive Director:
bhodge@gisci.org
Certification

Vendor/Software Based
- Esri
- Microsoft
- Autodesk
- QGIS (underdevelopment)

Professional Based
- GISCI
- ASPRS
- IAAO
Professional Based

Requirements
◦ Usually have a minimum time requirement
◦ Theory and Overall knowledge base
◦ Can include Exam in addition to other requirements
◦ Normally includes code of ethics and rules of behavior
◦ Requires Continuing Education to maintain

Benefits
◦ Shows high level of overall knowledge and experience
◦ Shows dedication to profession
◦ Establishes you as a leader in your field

Why Certification?

Advance GIS as a Profession
Support employment & business needs
Ensure core competency of ethics, experience, education & contributions
Document your achievements & gain recognition
Increase earning potential
◦ GISP earn on average $10,000 more than nonGISP based on URISA 2017 Salary Survey
Growing requirement for positions
What is GISP?

GIS Certified Professional
- Managed by GIS Certification Institute
  - www.gisci.org
- First GISP's certified in 2003
- URISA lead in developing
- Georgia was used as Pilot
- GISCI was formed in 2004
- Exam & portfolio based

Current Member Organizations

- NSGIC
- GISA
- GITA
- UCGIS
- URISA
- GLIS
- AAG
How do I get my GISP???

GISP Certification Process

- 6 Years to complete entire process
- Complete in any order
- Certified for 3 years
Current Requirements for GISP

4 years of full time equivalent (FTE) experience

Complete GISP Portfolio Application
  ◦ 150 Points in three areas
    ◦ Education
    ◦ Experience
    ◦ Professional Contributions

Code of Ethics and Rules of Conduct
Pass exam
Renew every 3 years

Portfolio basics
The Portfolio Application
Can be done entirely online

Minimum Category Points

<table>
<thead>
<tr>
<th>Category</th>
<th>Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>Educational Achievement</td>
<td>30</td>
</tr>
<tr>
<td>Professional Experience</td>
<td>60</td>
</tr>
<tr>
<td>Contributions to the Profession</td>
<td>8</td>
</tr>
<tr>
<td>Additional Points (Flexible):</td>
<td>52</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>150</strong></td>
</tr>
</tbody>
</table>

Total = 150 points
Exam basics

Computer Based Exam

PSI Testing Centers
No GIS Software on test computers

Requirements
- Two forms of ID
- No technology (computers, cell phones or tablets)
- Scratch paper is provided
Types of Questions

How many questions are on the exam? 175 to 195
  - Only 100 are scored

What types of questions should be expected?
  - Multiple Choice (certain)
  - Multiple Answer (certain)
  - True/False (possible)

What is the score to pass? 75% minimum

Time to Complete Exam – 4 hours

Vendor Specific? (No)

Logistics of Exam Process

When will the exam be offered and how often?
  - Twice a year
  - Up to GISCI to schedule dates

Register to take the exam
  - Exam dates are announced by GISCI

When am I eligible to take the exam?
  - Whenever you think you are ready. Do not need to wait to reach 4 Year FTE
  - Must pay Application and Exam Fees
    - $100 Application Fee
    - $250 Exam Fee
Knowledge Areas and Weights

Each of these areas will be covered in greater detail further in other webinars

- Conceptual Foundations – 12%
- Cartography and Visualization – 14%
- Data Design Aspects and Modeling – 29%
- GIS Analytical Methods – 17%
- Data Manipulation – 15%
- Geospatial Data – 13%

Study Tips
**Studying**

You will need to study for this exam

Verify knowledge areas from the GIS&T Body of Knowledge and compare to your experience and knowledge

Initially focus on your weak areas

Get and read all recommended resources

Understand the official terms (lingo) not just what your shop uses. Beware of vendor specific terms

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**Studying**

Self assess your knowledge

- [http://www.geotechcenter.org/professional.html](http://www.geotechcenter.org/professional.html)

Seek out or create your own practice tests

- [https://www.gisci.org/Portals/0/PDF's/Practice%20Exam%20Mod.pdf](https://www.gisci.org/Portals/0/PDF's/Practice%20Exam%20Mod.pdf)

Find or form a study group

Use study flash cards

Seek out others who have taken the exam for guidance
The night before the exam

Don’t over cram
Get a good night’s sleep
Schedule exam period during your favorite part of the day

During the exam

You are allotted a lot of time, be sure to use it. There is no need to rush.

3 pass method
- 1st pass – answer questions you know without a doubt
- 2nd pass – answer all those you have a general idea
- 3rd pass – try to answer those questions you have no idea about
Exam Question Tricks

Watch out for specific key words.
Sort the important from the non-important. Questions are designed to trip you up with information overload.
Eliminate what you know is wrong.
Minimum Points

The minimum number of Education points required for certification is **30 points**

Consists of

- **Education Points**
- **Course Points**
- **Credential Points**
Education Points

Degree or Certificate
in any discipline, that’s right, any discipline
(GIS coursework also required (next))

- 25 Masters or PhD
- 20 Bachelors
- 10 Associates
- 5 Certificate (400+ hrs)

Course Points

Any GIS-science, technology or applications focused course, workshop, or other formal, documented educational activity

This step will require math skills...

Class Credit Hours \( \times \) # of Weeks = Student Activity Hours
Student Activity Hours / 40 (set value) = GISCI points

EXAMPLE

A typical 3-credit, semester university course in GIS

3 credits \( \times \) 3 activity hours per credit (standard estimate) \( \times \) 15 weeks = 135
Student Activity Hours

135 Student Activity Hours / 40* = 3.375 points

*GISCI awards one course point for every 40 documented Student Activity Hours
Course Points

Continuing Education classes (e.g. workshops)
- Hours in class/40 (set value)

**EXAMPLE**
A typical URISA one day workshop
8 / 40 = 0.2 GISCI Points

Conference Attendance Points

Professional Conferences
- .1 (set value) per day of conference attended

**EXAMPLE**
A typical URISA 2.5 day conference
2.5 X .1 = 0.25 GISCI Points
Documentation!

Credential points must be supported by a diploma.

Course points must be supported by an official transcript and, for non-GIS course titles, a syllabus is also encouraged.

Conference points do not require documentation but it is still encouraged in case any questions arise.

Questions?

Kevin Mickey, MPI, GISP, CTT+
URISA Professional Education Committee Chair

Director, Professional Development and Geospatial Education
The Polis Center @ Indiana University Purdue University Indianapolis
kmickey@iupui.edu
Experience Points: Three Tiers

Experience is documented at 3 levels:

- Tier I: Analyst, System Design, Programming
  25 points per year
- Tier II: Data Compilation, Data Maintenance, Teaching
  15 points per year
- Tier III: GIS User
  10 points per year

singles application includes all three levels

partial years are calculated
Experience – Tier 1

Tier I: GIS Analysis, System Design, Data Development, Programming

Typical tasks include:
- Database design or management
- Needs Assessment
- Application design and development
- Data acquisition
- Data analysis and interpretation
- Data management
- Spatial analysis
- Tessellation
- Vectorization
- Aggregation
- Visualization and reporting
- Database and systems administration
- System implementation
- Programming evaluation
- Implementation management
- Create GIS data

Reference "GIS System Analyst/Programmer" and "GIS Analyst, Model Job Descriptions for GIS Professionals"

25 pts

Experience – Tier 2

Tier II: Data Compilation, Data Maintenance, Map Composition, Teaching

Typical tasks include
- Editing data
- Querying data
- Data modeling
- Geocomputation
- Geocoding
- Map composition
- Report generation
- Utilization of global positioning systems (GPS)
- Utilization of photogrammetric outputs and technology
- Remote sensing
- Database maintenance
- Manage GIS layers
- Map evaluation
- Transaction management of GIS data
- Quality assurance/quality control
- Support and installation of GIS
- Data validation
- Instructional training
- Teaching.

Reference "GIS Technician" and "GIS Specialist, Model Job Descriptions for GIS Professionals"

15 pts
Experience – Tier 3

Tier III: GIS User
Typical tasks include
• Technical support and troubleshooting
• Maintain GIS web capabilities
• Utilization of applications involving geospatial technologies
• Management and coordination of GIS outside of technical implementation.
Reference "GIS User,” Model Job Descriptions for GIS Professionals.

Experience Sample

<table>
<thead>
<tr>
<th>Title:</th>
<th>GIS Associate</th>
<th>GIS Associate</th>
<th>GIS Associate</th>
<th>GIS Associate</th>
</tr>
</thead>
<tbody>
<tr>
<td>Location:</td>
<td>Dallas, TX</td>
<td>Dallas, TX</td>
<td>Dallas, TX</td>
<td>Dallas, TX</td>
</tr>
</tbody>
</table>


<table>
<thead>
<tr>
<th>Exp Level</th>
<th>% Full Time</th>
<th>Pts/Year</th>
<th>Duties</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tier 1: GIS Associate</td>
<td>50</td>
<td>20.85</td>
<td>Create and maintain scripts to automate client procedures. Conduct meetings and present data to clients in a professional manner.</td>
</tr>
<tr>
<td>Tier 2: GIS Technician or Senior</td>
<td>50</td>
<td>20.85</td>
<td>Develop and conduct GIS training classes for GIS and non-GIS audiences online and in the classroom. Maintain GIS database and post extensive new maps.</td>
</tr>
<tr>
<td>Total</td>
<td></td>
<td>41.10</td>
<td></td>
</tr>
</tbody>
</table>

Add Experience: 
Show: 10 entries
Search:

Remove: 2 entries

Add: 1 entry
Supervisory Bonus

**Bonus points – 10 Pts per year**

- Designed for management level GIS professionals who work less and less with the technology.
- Supervisory bonus must be *in addition to* other GIS experience using concepts and software.
- For online application must list as separate duplicate employer with this as only experience item.

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Letter from Employer

**Must submit with application for review**

Only needed from current employer
Questions?

Tripp Corbin, MCP, GISP

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678-710-9710 ext 0021 | 678-672-8970 Direct Dial
Contributions

Professional activities that add to the professional body of knowledge for the benefit of the community beyond the client
Contributions

Professional activities that develop personal professional skills

Communicate

Collaborate

Lead

Organize

Professional Contributions

8 Categories
GIS-related
• Publications
• Professional Association
• Conference Participation
• Workshop Instruction
• Conference Presentation
• GIS Volunteer Efforts and Award
• Other

Minimum 8 points required

Contribution point claims of 2 points or less require no documentation.
### GIS Publication Points

<table>
<thead>
<tr>
<th>Points</th>
<th>Contribution</th>
</tr>
</thead>
<tbody>
<tr>
<td>15 pts</td>
<td>Book or Atlas Author</td>
</tr>
<tr>
<td>5 pts</td>
<td>Book Chapter Author</td>
</tr>
<tr>
<td>3 pts</td>
<td>Publishes Maps Magazine Article</td>
</tr>
<tr>
<td>2 pts</td>
<td>Paper in Conference Proceeding</td>
</tr>
<tr>
<td>1 pt</td>
<td>Magazine/Newsletter Editor</td>
</tr>
</tbody>
</table>

### Professional Organization Points

<table>
<thead>
<tr>
<th>Points</th>
<th>Role</th>
</tr>
</thead>
<tbody>
<tr>
<td>5 pts</td>
<td>President of Board Chair</td>
</tr>
<tr>
<td>4 pts</td>
<td>Board Membership</td>
</tr>
<tr>
<td>3 pts</td>
<td>Committee Chairperson</td>
</tr>
<tr>
<td>2 pts</td>
<td>Committee Member</td>
</tr>
<tr>
<td>1 pt</td>
<td>Association Member</td>
</tr>
</tbody>
</table>
## GIS Conference/Workshop Involvement

<table>
<thead>
<tr>
<th>Points</th>
<th>Role</th>
</tr>
</thead>
<tbody>
<tr>
<td>4 pts</td>
<td>Conference Chair</td>
</tr>
<tr>
<td>2 pts</td>
<td>Conference Committee Member</td>
</tr>
<tr>
<td>3 pts</td>
<td>Workshop Instruction</td>
</tr>
<tr>
<td>1 pts</td>
<td>Conference Presentation Conference Poster</td>
</tr>
</tbody>
</table>

## Other: Step up and do what you enjoy

<table>
<thead>
<tr>
<th>Points</th>
<th>Role</th>
</tr>
</thead>
<tbody>
<tr>
<td>3 pts</td>
<td>National Award</td>
</tr>
<tr>
<td>2 pts</td>
<td>Local / Regional Award Event Organizer</td>
</tr>
<tr>
<td>1 pts</td>
<td>Event Participant or Moderator</td>
</tr>
<tr>
<td>.5 pts/hr</td>
<td>Volunteer</td>
</tr>
</tbody>
</table>
GIS Volunteer: Think Outside the Box

- Non-profit Data Collection
- GISCorps
- Merit Badge Counselor
- GIS in Schools
- Community Map-a-thon
- Other?

Contribution to the Profession

Questions?