



Executive Committee Meeting
Report from Testing Team
14 NOV 06, NIBS Conference Room

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1. Current Projects

1. As recommended in the past, the NBIMS should use the business model set forth by the exponential success of the U.S. Green Building Council (USGBC) as a non-federal entity of consensus based standards. The testing team worked with a software solutions provider, Unique Solutions, Inc., to draft a conceptual estimate of the costs associated with hosting a website with the functionality of certifying Building Information Models after the release of the NBIMS in March of 2007. The complete estimate is attached to this document, but the certification piece of the website would support four high level functions:
 - Information regarding the certification process and educational opportunities
 - Accreditation/registration/certification requests by users
 - Internal review of requests and ‘OK’ for publication on the website
 - Searchable publication of accredited/registered/certified professionals and projects
2. The Testing Team is applying for the 2007 W.A Klinger Memorial Award to garner \$25K to fund the creation of a guide for implementing BIM in construction firms. If the team wins the award, they would have one year from April 1, 2007 to complete the guide for subsequent publication. The research team would be headed by the Primary Investigator, Dr. Raymond Issa, J.D., Ph.D., P.E. from the M.E. Rinker, Sr. School of Building Construction at the University of Florida and include a team of engineers and architects to help research past success and document recommended best business practices.
3. The Testing Team accomplished the Testing Team Charge and posted the document on the Portal at the following location:
http://nbims.opengeospatial.org/files/?artifact_id=368 and welcomes further feedback on enhancing the scope of the Testing Team’s responsibilities.
4. The Testing Team’s work on the “Capability Maturity Model” has been suspended pending changes to the *Areas of Interest* portion of the NBIMS Maturity Model.

2. Coordination Activities

1. As a member of the Association of General Contractors (AGC) Reviewing Committee for the creation of AGCxml, the Testing Team Leader is working with the AGCxml team leader, Michael Tardiff, to create a survey for use in BIM case studies that will be published in a monthly AGC Newsletter.

3. Conclusions

1. Short term:
 - a. Need to finalize “Section 6.0, Testing”
 - i. Possibly: include *more* appendices showing known interoperability strengths and weaknesses to provide data for others “out of the gates”

2. Long term:

1. a. Post-NBIMS release: Testing Team will create a skeletal testing concept for evaluating the application of the NBIMS in federal GSA and DoD projects. The plan will include a methodology for assessing BIM impact on construction Key Performance Indicators (KPI) including:
 - Quality Control
 - On-Time Completion
 - Cost
 - Safety
 - \$/Unit
 - Units/Manhour

//signed//

PATRICK C. SUERMANN, Capt, USAF, P.E.
M.E. Rinker, Sr., School of Building Construction
The University of Florida

Attachment:

- NBIMS Certification Web Services Estimate

BIMS Certification Website – DRAFT –

Background

Unique Solutions, Inc. recently helped the American Boarding Kennels Association (ABKA) hook their back office database into a number of ‘views’ on their website. The business model of ABKA is very similar to that of the proposed BIMS approach. Member kennels are certified with ABKA through a combination of dues and tests. The website allows the public to find certified kennels in their area. It also provides a ‘members only’ area with forums for kennels to discuss issues with one another. In the ‘members only’ area, members can also post classified ads and in the public area, users can view the classifieds.

Naturally we’ve drawn on this previous experience in estimating the costs of developing a BIMS certification website.

Types of Certification

Per our discussions with Capt. Patrick Suermann, we are envisioning three types of BIMS certification (drawn from the existing LEED business model).

Accredited Professionals – accredited via **dues** and coursework/exams.

Registered Projects – registered by an Accredited Professional (?) with a small **fee** (of course).

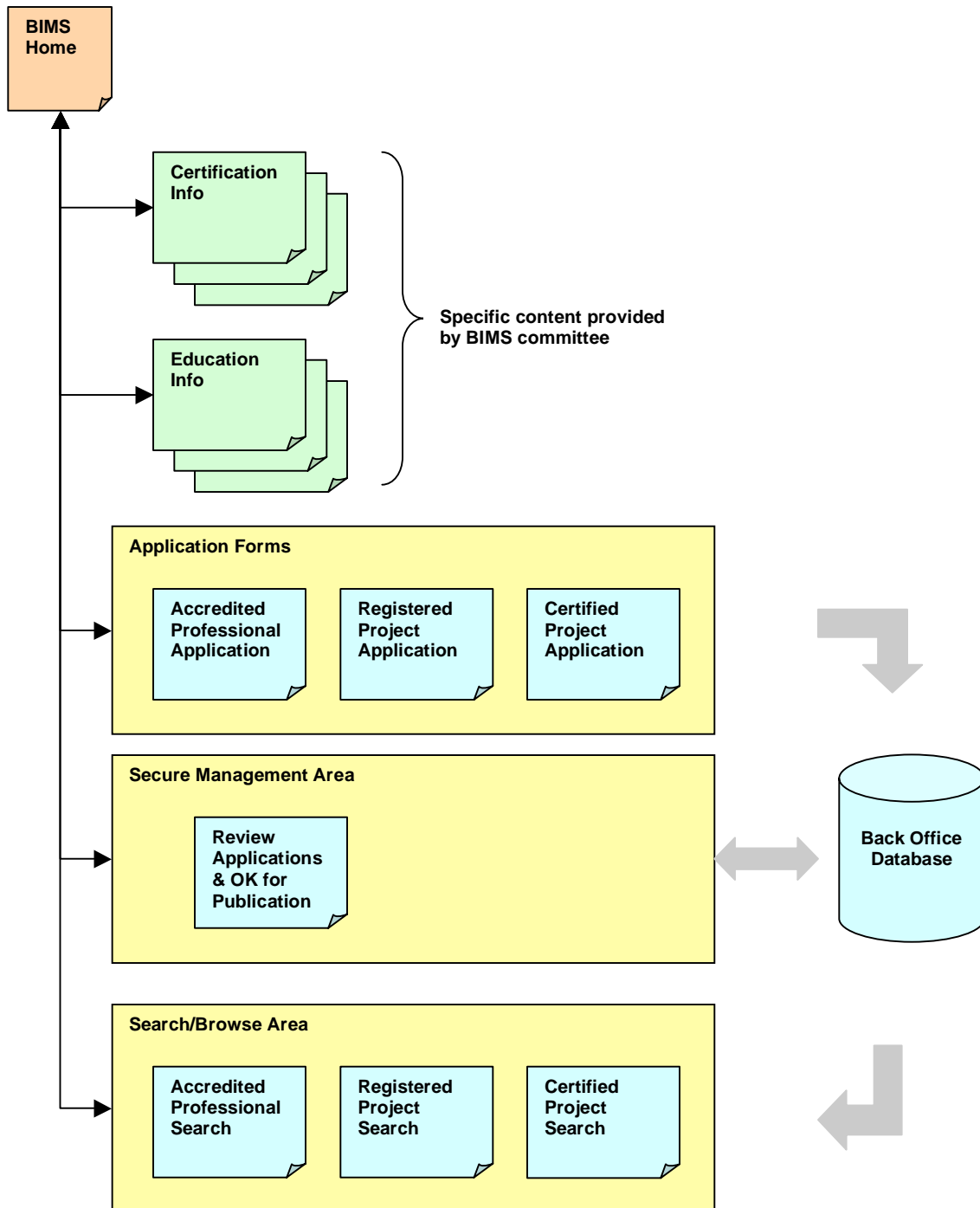
Certified Projects – a registered project that has been ‘certified’ as accurately represented as registered and requires a much **larger fee** (naturally).

Website Organization

The certification piece of the BIMS website needs to support four high level functions:

- Information regarding the certification process and educational opportunities.
- Accreditation/registration/certification requests by users.
- Internal review of requests and ‘OK’ for publication on the website.
- Searchable publication of accredited/registered/certified professionals and projects.

More specifically we see it organized something like this:



Costs

As this project moves along and the requirements are nailed down more specifically, we can tighten up the cost estimate. Currently we see the project running somewhere around \$50K.

That cost would include:

- Buying a server and OS to development and site demonstration.
- Registering a domain name for the demo site for a period of two years.
- Back office database design.
- Website construction with ties to the back office database.

Future

As time/money allows, we could see adding some non-core features to the website:

- Certification of Educational Providers
- Search Certified Educational Providers/Conferences