

Technology and the Future of Credential Verification

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FEDERATION OF STATE MEDICAL BOARDS



HEALTHCARE AND DIGITAL CREDENTIALS

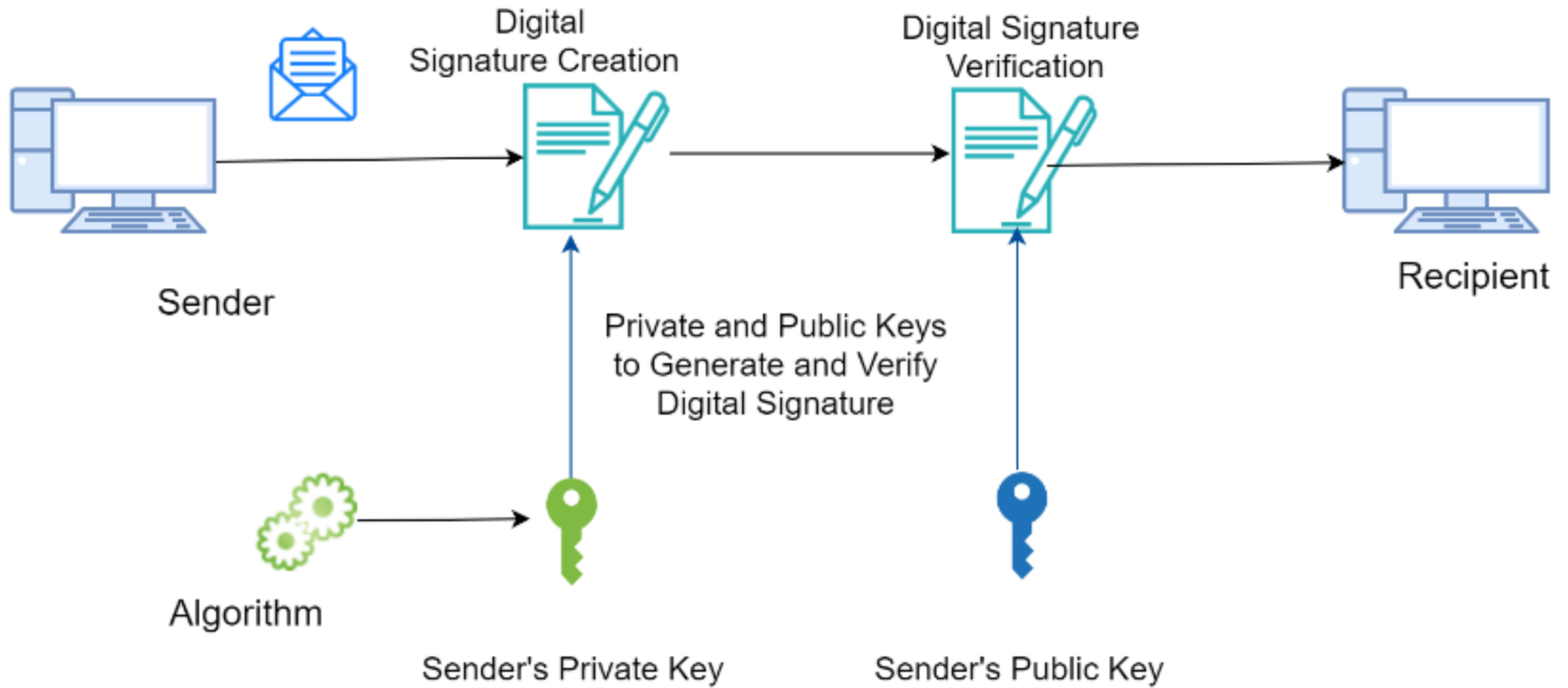
Technical, Legal, and Regulatory Considerations

- Conducting research as part of ongoing improvement initiatives
- Compliance, legal, security and usability aspects considered
- Multiple technologies being considered (digital signatures, open badges & blockchain)
- Recipient ownership assumed in order to take full advantage of available technology and to achieve the highest level of efficiency

www.fsmb.org/digitalcredentials



Digital Signatures



FSMB Digital Signatures

- **60% Improvement** in Cycle Times since 2012
- For each day saved there is a **17 FTE Physician Impact**
- Improved security and integrity of essential documents

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FCVS FEDERATION CREDENTIALS VERIFICATION SERVICE

FEDERATION OF STATE MEDICAL BOARDS

Next

Institution Name: Texas A & M University Health Science Center College of Medicine
City: College Station State/Province: Texas Country: United States

Premedical Education:
Years of education required for admission to your medical school:
Credential/Degree presented by the applicant for admission to your medical school:

Enrollment and Participation:
Our records indicate that: attended our medical school for a total of weeks of medical education on the following dates: From: To:
This individual:
Was awarded the degree of: on:

Please initial after verifying that the information in the box below is correct. If the information is incorrect, please edit and then initial.

Initial

Unusual Circumstances

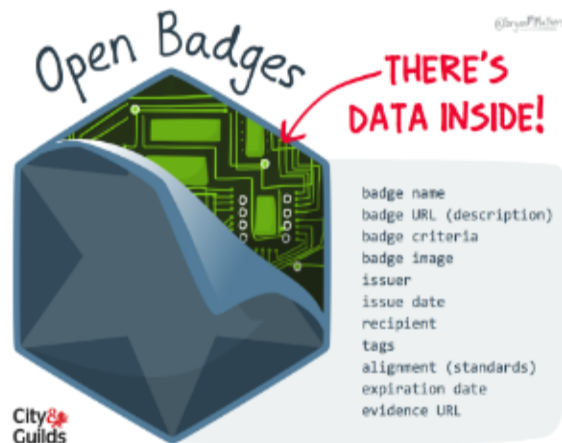
1. Do this individual's official records reflect (an) interruption(s) in his/her medical education? YES No N/A

If YES, please select the reason(s) for, indicate the dates of the interruption(s) or extension(s) and check whether the interruption/extension was approved or unapproved.

Personal/Family	Applicable	N/A	Month:	Day:	Year:
Academic remediation	Applicable	N/A	Month:	Day:	Year:
Health	Applicable	N/A	Month:	Day:	Year:

Open Badges

- **Verifiable** — Proof of achievement
- **Shareable** — Post to social media or other platforms
- **Portable** — Improved ownership for the credential holder



Open Badges Verification Request

Badge Object Reference Data

Paste the URL of a badge object or its JSON or signed JWS data directly

Badge Image

Choose File: No file chosen

You may upload a baked badge image instead of pasting text input above.

Expected Profile JSON (optional)

If you would like to check a recipient, enter a with keys for each identifier type you want to check. Multiple values for each type accepted.

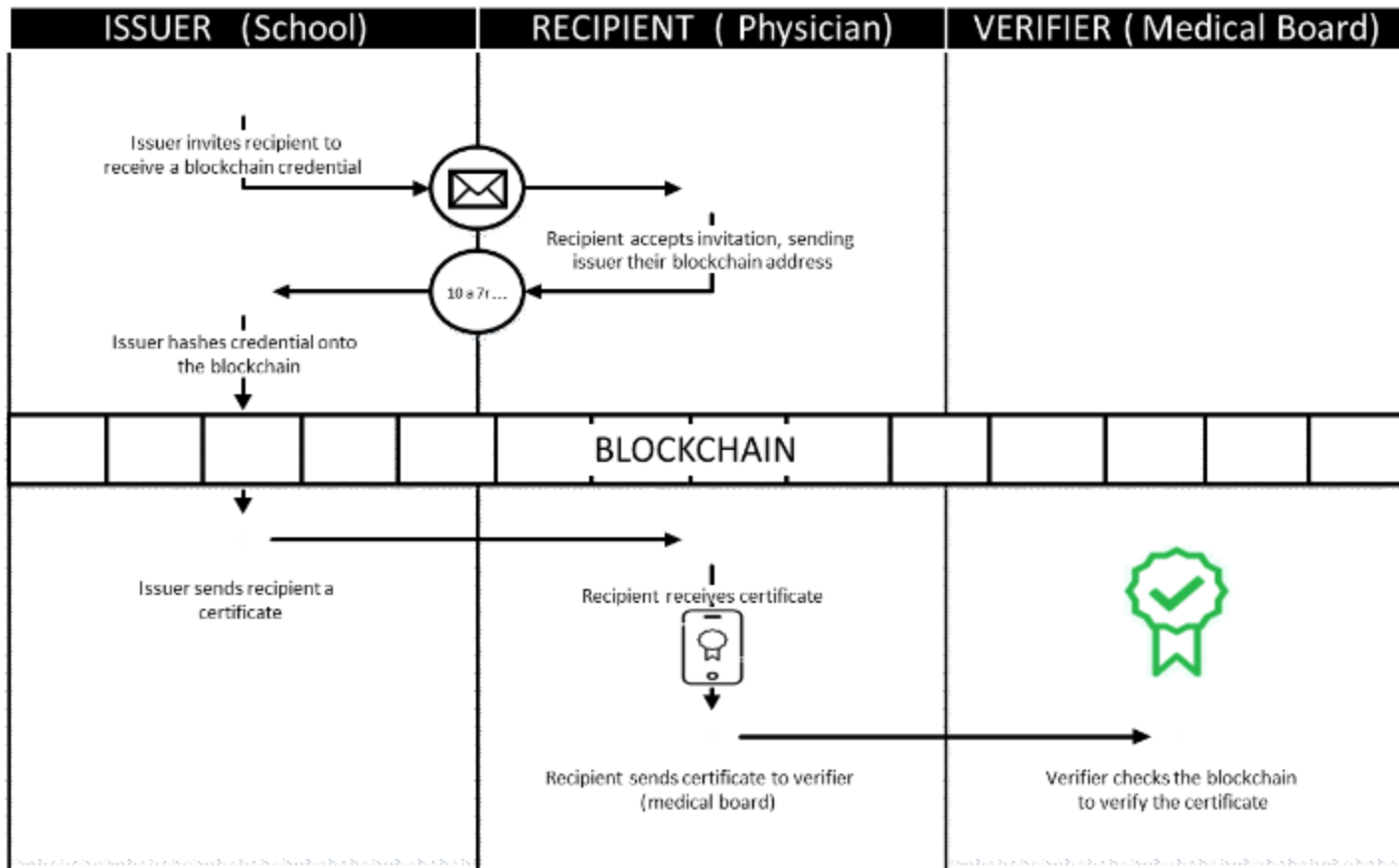
OPEN BADGES IN HEALTHCARE

- Micro-credentials in Disaster Relief
- Continuing Education Compliance
- In-state Workforce Management



FSMB

Blockchain Credential Workflow



Third Party
Verification
Step
Eliminated

Key Findings For Digital Credential Technology in Healthcare



Digital Signatures



Open Badges



Blockchain

Legally Enforceable



Tamper Evident



Timestamping



Shareable



Revocable



Expirable



Building a Digital Future for Healthcare



Legal and regulation should not be a roadblock



Old business models using new tools is not an advancement



Data Standards (i.e. VGMET) are vital in a world of open exchange



Gaining acceptance to new workflows is difficult



FSMB is moving to offer all verified artifacts individually



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