

VC-EDU Use Case

Related to  VC-EDU Use Case - Issue First Aid Certificate

General Use Case
Use Case Title: Use First Aid Certificate as Proof of Qualification
Use Case Description: As an employee, I want to provide my employer with proof that I am certified in first aid at least equivalent to CSA Std. Z1210-17 so that I can be given the role of a designated first aid attendant in the workplace which also gives me a raise.
Applicable Standards: List any applicable standards (does not need to be W3C) - Verifiable Credentials - QR Code - ISO/IEC 18004 - CSA Std. Z1210-17 (Workplace First Aid standard)
Applicable Technologies: - HR system that understands and can verify VCs - QR code scanning software linked to an HR system
Detailed Use Case
1. Goal of the Primary Actor: Pat wants to be tasked with an additional work role in order to get a raise.
2. Actors: a. Employee - Pat b. Supervisor - Sam c. Employer - Construction Now Corp d. QR code scanning software linked to the employer's HR system e. Employer's HR system that understands the QR code VC
3. Preconditions for this Use Case: a. Pat has received a first aid certificate with a VC as a QR code. b. Pat is an employee of Construction Now Corp.

- c. Construction Now Corp is looking for an additional first aid attendant at a job site.
- d. Construction Now Corp's HR system knows that the *Red Cross Standard First Aid & CPR/AED level C* training meets the *CSA Std. Z1210-17* workplace first aid requirements.
- e. Construction Now Corp's HR system recognizes the Red Cross as an authority for first aid qualifications.
- f. Construction Now Corp's HR system can understand VCs and verify if one was issued by the Red Cross.

4. Flow of Events:

- a. Pat requests the additional work role as a first aid attendant at a job site.
- b. Pat's supervisor, Sam, asks for proof of adequate certification.
- c. Pat presents a paper certificate showing certification of *Red Cross Standard First Aid & CPR/AED level C* which also has a VC QR code.
- d. Sam scans the QR code with a smartphone app and the VC is sent to Construction Now Corp's HR system.
- e. The HR system verifies the VC was issued by the Red Cross, was not tampered with, and was issued to Pat.
- f. The HR system adds the VC to Pat's employee record.
- g. The HR system updates Pat's employee record to indicate a qualification meeting *CSA Std. Z1210-17* along with the expiry date.
- h. Sam adds the work role of first aid attendant to Pat's employee record in the HR system.
- i. The HR system increases Pat's salary due to the additional work role.

5. Post-Conditions/Success Criteria:

- a. Pat is tasked with an additional work role and gets a raise.
- b. Reduction in manual steps. One no longer needs to:
 - i. photocopy the certificate
 - ii. manually validate the certificate at Red Cross's website
 - iii. manually check that the certification is equivalent to the needed qualification by checking a list
 - iv. manually enter the certification into the HR system

6. Points of Failure:

- a. Pat has lost the first aid certificate.
- b. The smartphone app cannot scan the QR code.

- c. The HR system cannot verify the VC on the certificate.
- d. The HR system does not recognize the certification claimed in the VC meets the required qualification.
- e. Pat's name in the VC is not exactly the same as the name in the HR system.



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