

Biometric Credentialing for Natural Disasters

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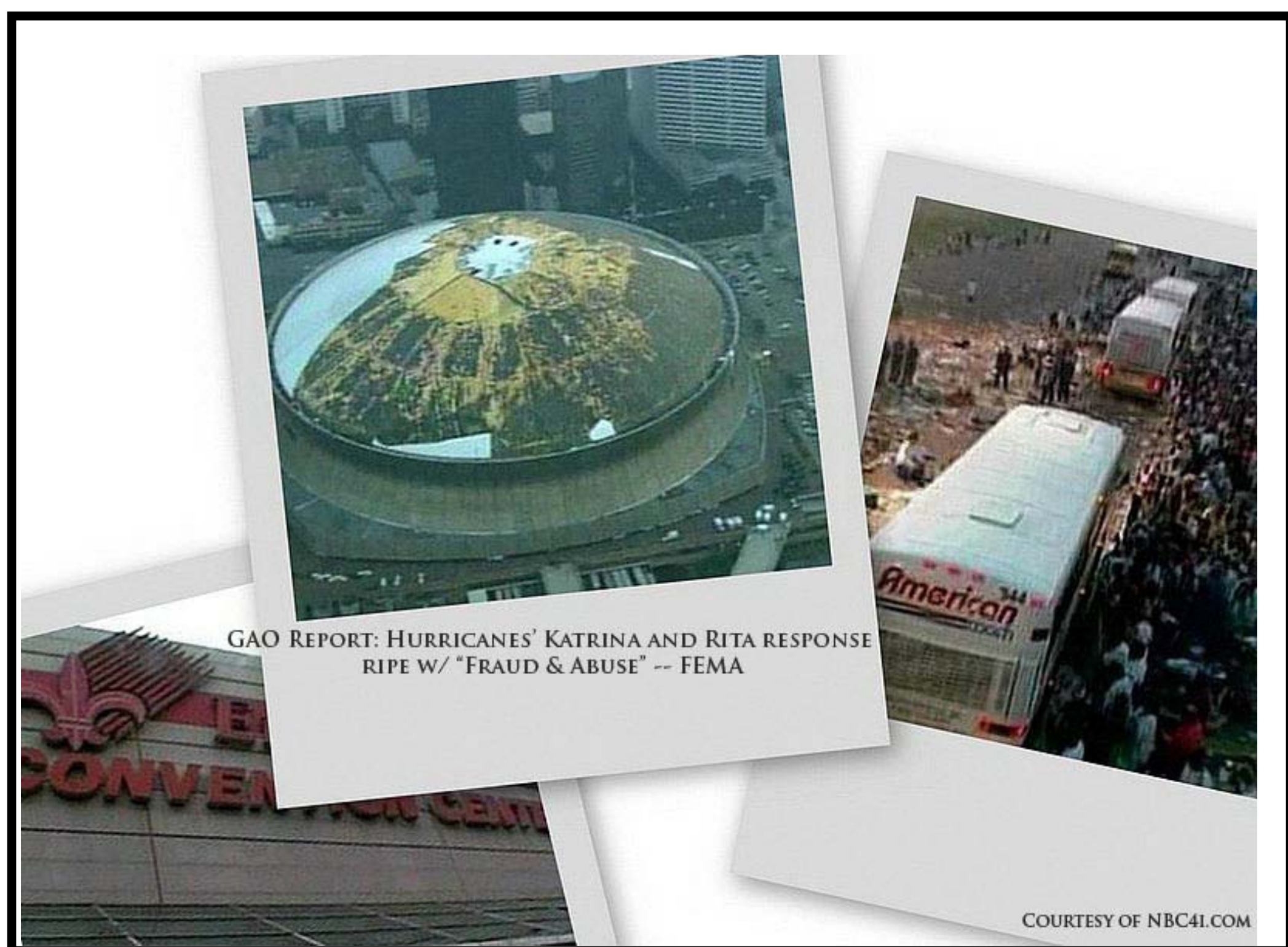
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Motivation

The catastrophic chain of events that transpired during Hurricane Katrina concerning the humanitarian response brought to light the need for a mobile credentialing system.

- To provide federal, relief, and non-governmental organizations a proactive and reliable system for the credentialing of personnel
- To identify afflicted persons for relocation and repatriation purposes
- To deter and prevent fraudulent requests for repeated claims of humanitarian assistance
- To promote biometric use for homeland security and increase public awareness
- To provide portability for iris recognition



Impact

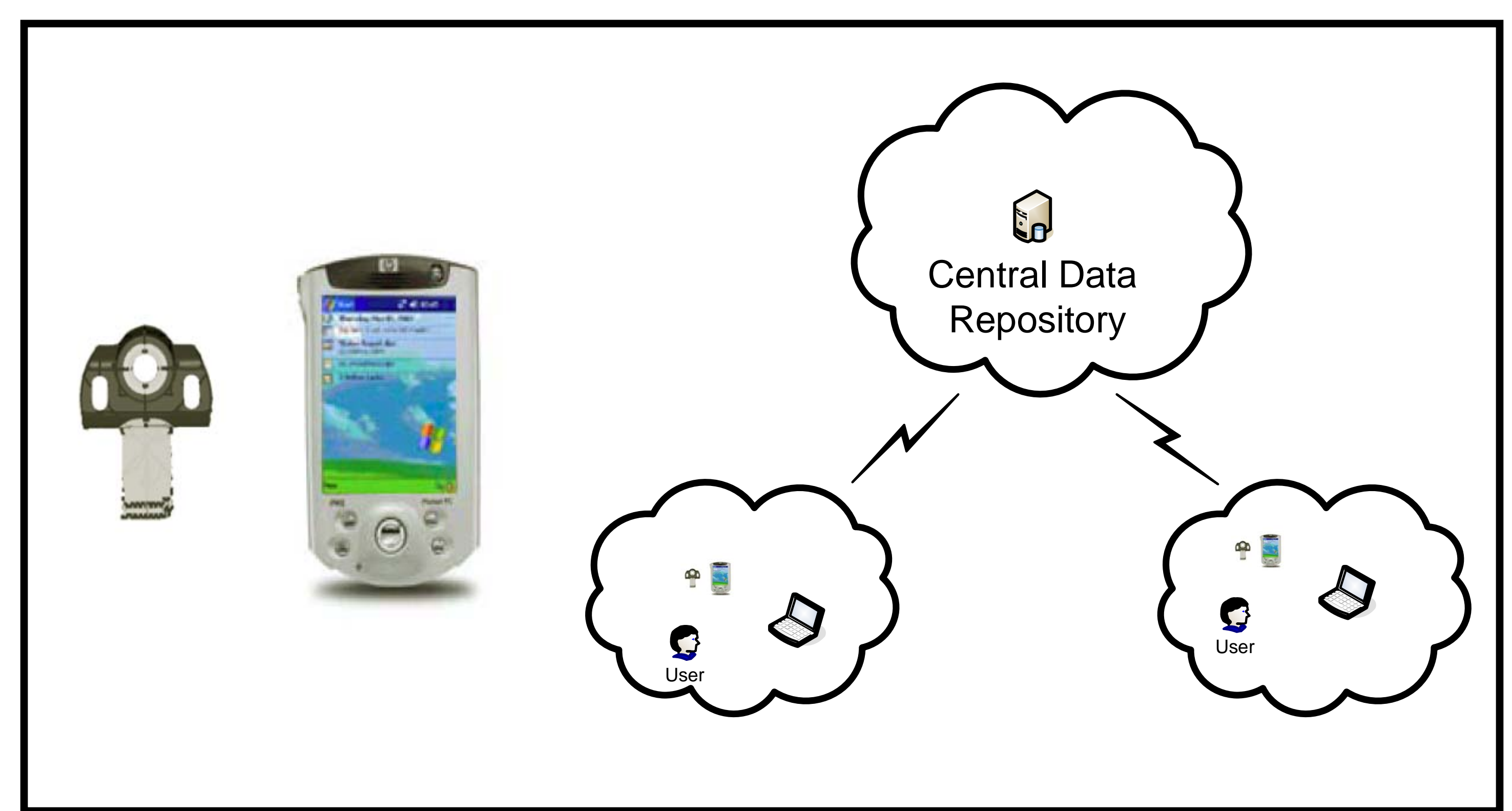
To propose a credentialing emergency response management tool for use during natural disasters by the following constituencies:

- Department of Homeland Security
 - Federal Emergency Management Agency
- Relief and charity organizations
 - International / American Red Cross
- United Nations High Commission for Refugees
 - Aid distribution in developing nations
- Law Enforcement

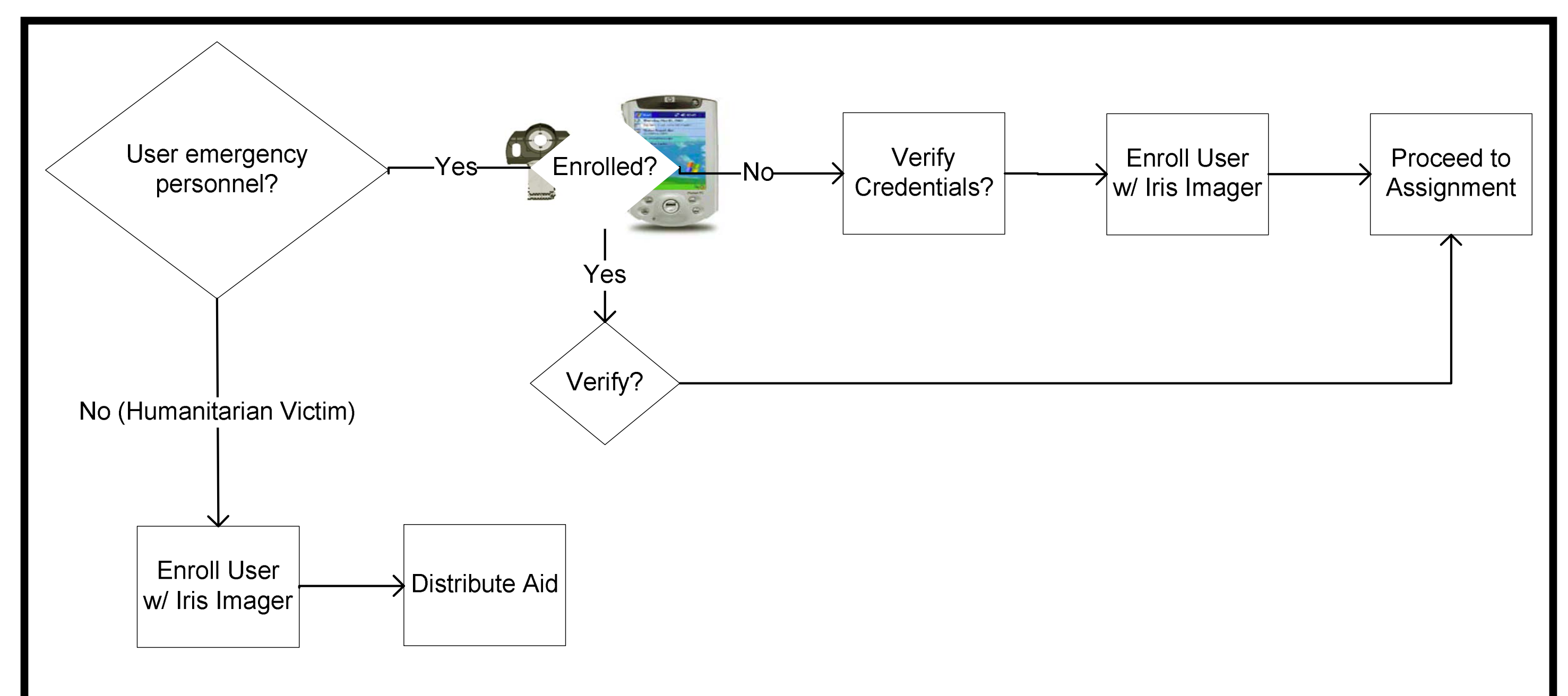


Proposed Solution

The proposed system introduces a personal digital assistant (PDA) device equipped with an Iris SDi Imager. This device would be used in the field to identify / verify personnel for the identified constituencies. The system would offer a mobile system that is practical, affordable, and self-sustaining.



Conceptual Flow Chart



Federal Initiative

The proposed credentialing system is consistent with the *Homeland Security Presidential Directive – 12* for a need of a common verification means for federal personnel and encompasses four objectives outlined by the DHS's *Six-Point Agenda*:

- Increase overall preparedness for catastrophic events,
- Create better security system to move people more securely and efficiently,
- Enhance information sharing,
- Promote procurement of information technology

Purdue:

- Department of Industrial Technology