

MOVE – Inception Deck

IEEE

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Frequent updates --
contact montague@ieee.org
for latest version



Why are we here?

- Provide communication, energy, information to disaster victims
- Educational outreach to STEM
- Member Engagement through project involvement
- Share results widely
- Promote IEEE

Provide communication, energy,
information to disaster survivors

The elevator pitch

- For Disaster Survivors
- who have survived the initial catastrophe,
- MOVE (Mobile Operations Vehicle for Energizing?)
- Is an IEEE Project that creates and operates a vehicle for disaster relief
- that provides needed communications support to disaster victims
- Unlike First Responder Efforts
- our project is intended to help the disaster survivors by supplying them valuable services until normal infrastructure is restored.

Additional

- Additionally, it energizes the IEEE volunteer base and STEM students through a public relations component

Product box

Move



Allowing personal
communication in disaster areas

Making your smartphone work

Available for STEM demos

The NOT list



IN	OUT
Service to disaster survivors	Service to responding agencies
Vehicle	Diagnose / Repair of devices
Interconnectivity	First responder activities
Handheld device charging / Microcell	Clean up, Reconstruction
STEM Education / PR	Autonomous vehicle
Sharing the results	

UNRESOLVED

Providing local information (broadcast versus individual query)

Local terminal

Is the service rapidly cycled between locations

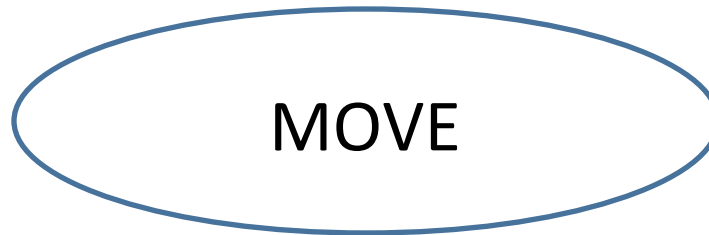
Your project community

IEEE Foundation



IEEE: all GeoUnits,
Societies, IEEE-USA,
...

FEMA



Disaster
Survivors



STEM Students

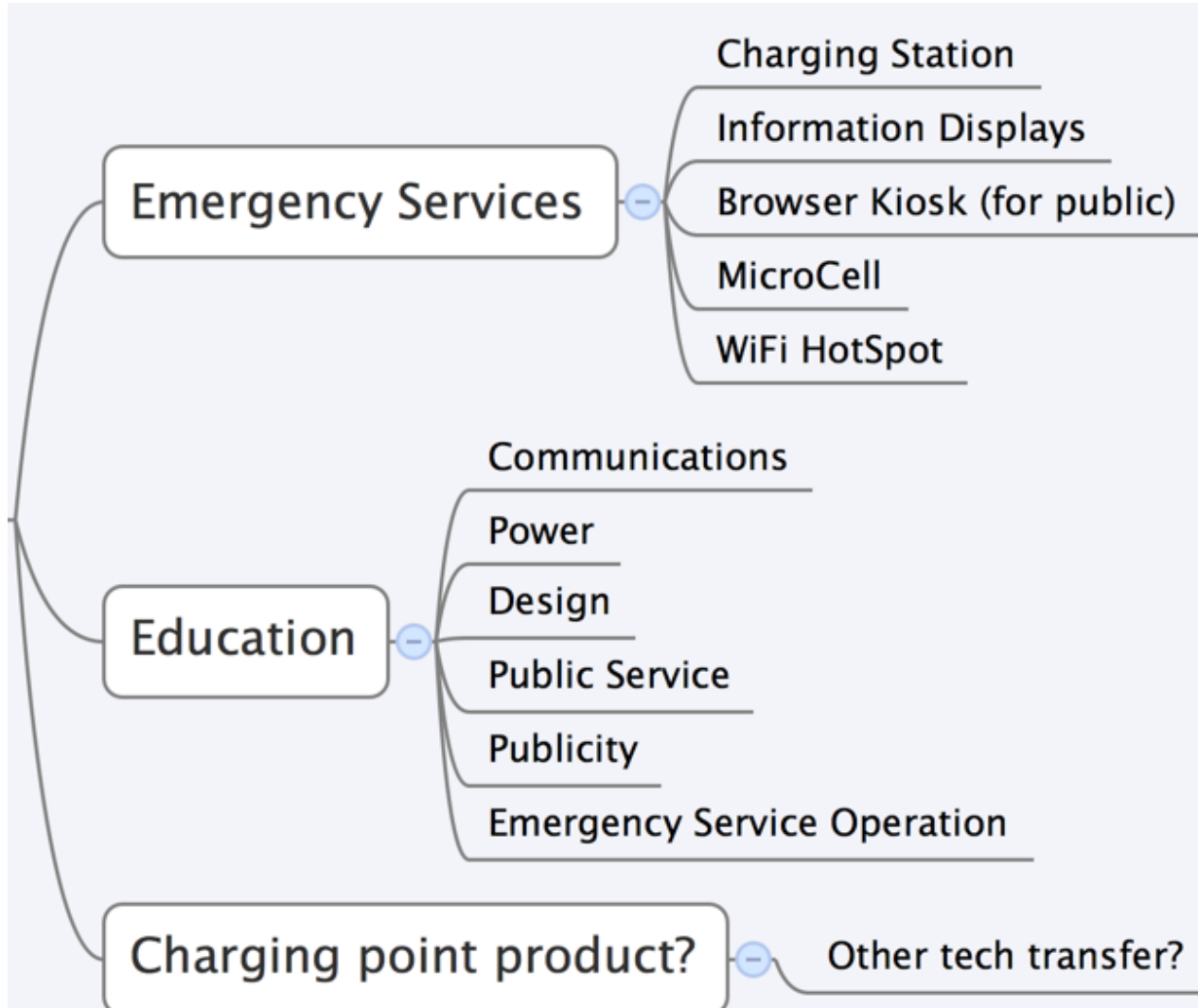
IEEE Members

Red Cross
Telecomms
ARRL
Satellite ISP
Current Responders

... is always bigger than you think!



Technical



What keeps us up at night

- How do we get inserted into the Emergency Coordination infrastructure
- Maintaining interest in project long term
- Exit strategy
- Bandwidth for services
- Sustainability
- Funding (and operational funding)
- Staffing (and operational staffing)
- Obtaining fuel



The A-Team (first cut)

Role	Competencies/Expectations
Project Manager	Responsible for outward facing communication Status reports, scope, budget, and reporting upwards
EMC Relationship MGR	Responsible for establishing and maintaining relationships with existing emergency management infrastructure; Coordinate with auxiliary organizations such as Red Cross, ARRL
Chief Engineer	Responsible for the overall design and implementation of MOVE, responsible for managing a group of team leads for subsystems
Funding Developer	Responsible for raising the funds to finance the project
PR Manager	Engages IEEE OUs, Responsible for the Public Face of Project, Web Site, Social Media, etc.
Operations Mgr	Section to own the first vehicle, maintain a volunteer team to do run it, volunteer training and credentialing
Education	Handles education aspects of the project, Share project with other IEEE groups including Regions
Champion	Chief advocate of the project

How big is this thing?

Requirements & Feasibility: 4
Initial Funding Evaluation: 2
Requirements & Feasibility: 2
Project Plan: 1
Technical Design / Fund Raising: 8
Build / Operator Training: 8
Testing: 2
Announcement: 1



28+ months

This is a guess. Not a commitment.

