

Breakout B

Reconnaissance Tool & Information Technology (Including
Equipment & Data Protocols

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Personal

- Digital Camera (recommend 2+ mega pixel)
- GPS with Tracking and External Antenna
- Measure Tape
- Plumb Bob
- Compass
- Office Supplies
- Laptop
- Cell phone (domestic)
- Energy food/water purifier/clothing hard hats/electric plugs
- Pen/Pencil/Notepad/film camera as a backup

Team (2-3 Person)

- Recommended
 - Digital Video
 - Film Camera
 - Measuring Tape
 - Maps/ DOQ/Topos
 - PDA
 - Power inverter
 - Foreign cell phone
 - Car power y-adaptor
- Additional
 - Tablet PC
 - Street Routing GPS (required domestic)

Group (2+ Teams)

- Scanner/Printer/Tablet PC
- Outlet strips
- Large bandwidth data transmission
- GIS capability
- LCD Projector
- Pen Map/LiDAR

Homebase

- Logistics oriented
- Local or back at USA
- Functions: XO, logistics, IT, and data sharing and delivery
 - Logistics: hotels, cars, supplies

Minimum Requirements

- Priority - integrated photo with GPS database
- GPS w/ antenna, Tracking capabilities
- Video camera
- Digital Camera: moisture resistant, cold resistant, etc. as appropriate
- Batteries
- Initial fly over
- When flying: camera with at least 10x optical zoom
- IMS – Internet Map Server
- GIS based data collection system
- Sat phone / modem to send data
- Basic GEER form
- Pen/Pencil/Notepad/film camera as a backup

Optimal Means for Dissemination and Cataloging of Data

- Coordinate with EERI - Command Center/Clearing House
- Use of the **digital pin** for clearing house
 - Level 1 – Qualitative Observation - initial recon – from flyover
 - Level 2 – On-Site Quantitative Observation - send someone out and return a more detailed picture
 - Level 3 - Detailed Observation - More detailed, may include measurements (LiDAR, samples)
- Working group from each organization
 - Seismologist – acceleration maps/rupture map/shake map/slip map
- Pool resources

Use of Existing Techniques & Technologies, and Development of Emerging Technologies

Action Items:

- Run Simulation, GEER EQ responses
 - Paper exercise
 - Physical simulation
 - Annual 1-Day Training
- Website with recommended minimum equipment
- Downloadable database
- GEER maintains some equipment
- Work with USGS and EERI
- Subgroup to push these ideas forward
- Come up with a list of existing availabilities

The Dream Machine

– All in One:

- IPAC
- bluetooth technology
- compass
- camera phone
- GPS
- notepad/sketchpad
- voice recording