Why RECON???

• Information is Power
• Anticipating needs decreases response time
• Provide Information
  – Up the Chain
    • State Government officials (State EOC)
    • Federal Government officials (FEMA)
  – Down the Chain
    • Back flow to strike area
      – County EOC’s, Emergency Services, Municipal Authorities
Why RECON???

- Actionable Intelligence allows emergency management officials to make informed, timely decisions regarding follow-on response to better assist impacted areas with response, mitigation, and recovery.
The Mission

• Conduct initial ground/air reconnaissance movements associated with natural or manmade disasters.

• Rapid moving advanced team with internal fuel, self sustainment (food and water) and command/control support.

• Communicate conditions and situations by means appropriate to the disaster.
The Mission

• Report back to State Emergency Operations Center (SEOC)
  – Verbal
  – Transmitted text
  – Still image photography
  – Video photography.
Guidance for Rapid Advanced RECON

• Generally, RECON will be considered as an autonomous operation in the initial 24 hours of a disaster.
• Not engaged in normal “report to a location” type operations.
• That is, to function properly, the RECON element must move through the area providing reports and addressing immediate life hazard issues.
Target Deployments

- Natural or man-made disasters
- Normal Comms are, or may be impacted
- Movement in theater may require specialized equipment
- Local assets may be restricted
- Follow on response is expected
Who does it?

- FWC Special Operations Group
- Florida National Guard
- Civil Air Patrol
FWC Special Operations Group

- 6 Teams Throughout the State
- Self Sustaining
- All Terrain
- Adaptable
- Rapid Insertion
- Two Pronged Response
  - Advanced Recon Squad
  - Force Recon Squad
FWCSOG Team RECON Package

- **FWC SOG RECON** (Total 16) Call sign designated by geographic AOO Example: East Coast RECON
  - (1) Forward Incident Commander
  - (1) Team Commander
  - (2) SOG Squad

  - **Advanced Recon Squad (ARS)**
    - SOG Squad Leader
    - (6) SOG Operators

  - **Force Recon Squad (FRS)**
    - SOG Squad Leader
    - (6) SOG Operators
ARS and FRS

- ARS (Advanced RECON Squad)
  - Forward Incident Command Vehicle
  - (7) 4x4 Trucks

- FRS (Force RECON Squad)
  - (8) 4x4 Trucks
  - (1) Coastal Patrol Boat (23’-29’ Twin Engine)
  - (1) River Patrol Boat (16’-22’)
  - (1) FWC 25’ Landing Craft (if applicable)
  - (1) Shallow draft boat (Jon Boat, Go Devil, PWC, Airboat, or similar)
  - (2) ATV
  - (1) SOG Support Trailer
  - Fuel truck (10% Jet A / 20% Diesel / 70% Gasoline, Sleeper Cab, Dispenser and 50’ Hose for jet fuel)
  - FWC Scout helicopter or other appropriate rotary wing air asset
• The first 24 hours is critical........
Typical Mission Time Line

• RECON ASSIGNMENT RESPONSIBILITIES
• Example Mission Timeline and Tasking (approximate based on pre-warned natural disaster):
  • D−3 Days
    • Place Team on Alert
      – Develop Roster
      – Establish Equipment load out
      – Pack and make ready all equipment
  • D−2 Days
    • Activate team to appropriate forward staging area
  • D−1 Day
    • Move team to advanced operating base
Typical Mission Time Line

• D-Day

• Team departs by land towards AOO, inserting as soon as disaster conditions allow with a general target of the center of the AOO (Example: Coastal location of hurricane landfall center.

• ARS departs first with FRS a maximum of 1 hour later (times vary based on weather and expected AOO conditions).

• During insertion, maintain constant reporting to SEOC
Mission Responsibilities

- Provide detailed information
  - Locate critically injured or trapped victims
    - Facilitate advanced rescue/care operations
  - Assess and muster uninjured/slightly injured
    - Shelter in place and note location
    - Call for air evac and establish LZ
    - Call for land EVAC and establish central departure point
- Contact Government/Emergency Services agencies within the strike area
  - County/Local EOCs
  - Fire
  - Police
  - Hospitals
Mission Responsibilities

- Observe/assess conditions and report via comms, photo and video
  - Locations of major damaged structures
  - Electric Power Grid physical condition
  - Major Infrastructure damage and security
    » Bridges
    » Roads
    » Power plants
    » EOC facilities
    » Shelters
    » Aviation facilities
    » Police and fire stations
    » Education facilities
    » Health facilities
    » Ground transportation equipment
Insert RECON by Air

- 6 Operators, 1 Team Leader, 1 Aerial Command and Control
- Self Sustained 12 hours plus
- Self Contained Stand Alone
  - Carry it on your back
- Communications
- Transportation (ATV’s Possible)
- LZ Support (Scouting)
- Victim/Refugee Muster and Evac
- Basic First Aid
- ALS during return to Air Ops Base
Reporting methods

- Photography
- GPS Positioning
- Communications
  - Air Card
  - BGAN (Broadband Global Area Network)
  - SAT Phone
  - Cell Phone
  - Radio
## DEM Web Based Reporting

### 1 - Debris

<table>
<thead>
<tr>
<th>Section Not Applicable</th>
<th>Trees Down &lt; 1 Foot</th>
<th>Trees Down &gt; 1 Foot</th>
<th>Utility Poles Down</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>All Directions</td>
<td>All Directions</td>
<td>Steel</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Wood</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Concrete</td>
</tr>
</tbody>
</table>

### 2 - Flooding

<table>
<thead>
<tr>
<th>Section Not Applicable</th>
<th>Street Flooding</th>
<th>Localized Flooding</th>
<th>Widespread Flooding</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>&lt;= 1 Foot</td>
<td>&lt;= 1 Foot</td>
<td>&lt;= 1 Foot</td>
</tr>
<tr>
<td></td>
<td>1-3 Feet</td>
<td>1-3 Feet</td>
<td>1-3 Feet</td>
</tr>
<tr>
<td></td>
<td>&gt;3 Feet</td>
<td>&gt;3 Feet</td>
<td>&gt;3 Feet</td>
</tr>
</tbody>
</table>

### 3 - Structure Damage

<table>
<thead>
<tr>
<th>Section Not Applicable</th>
<th>None</th>
<th>Wind - Light</th>
<th>Wind - Moderate</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>COMMENTS</td>
<td>COMMENTS</td>
<td>COMMENTS</td>
</tr>
</tbody>
</table>

### 4 - Infrastructure

| Electrical Power       | Operational        | Out                 |
| Water Supply           | Operational        | Out                 |
| Sewer System           | Operational        | Out                 |
| Telephone System       | Operational        | Out                 |
| Radio/Television Statio| Operational        | Out                 |
| Food/Grocery Stores    | Operational        | Out                 |
| Gas Stations           | Operational        | Out                 |
| Hardware Stores        | Operational        | Out                 |

### 5 - Transportation

| Major Road Blocked     |                   | COMMENTS            |
| Minor Road Blocked     |                   | COMMENTS            |
| Bridges                | Blocked            | Destroyed           |
| Runway                 | Blocked            | Destroyed           |
| Rail                   | Blocked            | Destroyed           |
| Canal                  | Blocked            | Destroyed           |

### 6 - Emergency Services

| BOC                     | Operational        | Out                 |
| Police                  | Operational        | Out                 |
| Fire                    | Operational        | Out                 |
| EMS                     | Operational        | Out                 |
| Hospitals               | Operational        | Out                 |
| Shelters               | Operational        | Out                 |
| DOT Facilities          | Operational        | Out                 |
| Red Cross ERV's        | Operational        | Out                 |

### 7 - Casualties

<table>
<thead>
<tr>
<th>Casualty</th>
<th>#</th>
<th>COMMENTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dead</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Missing</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Injured</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### 8 - Narrative

<table>
<thead>
<tr>
<th>TIMESENT</th>
<th>METHOD</th>
</tr>
</thead>
</table>
Click ‘Add RECON Report’

Add RECON Report

Search RECON Reports

View Team Info

New RECON Report Form Download

Choose a Format
LAT/LON POSITIONING

- GPS Coordinates MUST be in Degrees.Decimal Degrees
  - i.e.) 28.1234    -82.1234  (Longitude MUST have a Negative sign)

US National Grid (USNG) will auto populate based on Lat/Long.

USNG MUST be in 17R LM 1234 1234 format
INSERTING A PHOTO

Add Sert Unified Recon Report

Recon Team: Choose Your Recon Team
Team #
Recon Report#: 
Target Name: 
Time/Date: 5/17/2010
Event: Select an Event
Image: Browse...
Lat. DD.dddd
USNG: 17R NL 1234 5678
County: Select A County

1 - Debris
D - F Tree Debris: Please Choose an Option
F - Utility Pole Debris: Please Choose an Option

2 - Flooding
A - C Flooding: Please Choose an Option
Water Depth
Comments:
Section 1 - Debris

<table>
<thead>
<tr>
<th>Section</th>
<th>Description</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>D</td>
<td>Trees Down &lt; 1 Foot</td>
<td>All Directions</td>
</tr>
<tr>
<td>E</td>
<td>Trees Down &gt; 1 Foot</td>
<td>All Directions</td>
</tr>
<tr>
<td>F</td>
<td>Utility Poles Down</td>
<td>Steel</td>
</tr>
</tbody>
</table>
Section 1 – Debris / NA

‘SECTION NOT APPLICABLE’

IS JUST AS IMPORTANT AS MAJOR DAMAGE
Section 2 - Flooding

<table>
<thead>
<tr>
<th>Section</th>
<th>Description</th>
<th>Depth 1</th>
<th>Depth 2</th>
<th>Depth 3</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>Street Flooding</td>
<td>&lt;1 Foot</td>
<td>1-3 Feet</td>
<td>&gt;3 feet</td>
<td></td>
</tr>
<tr>
<td>B</td>
<td>Localized Flooding</td>
<td>&lt;1 Foot</td>
<td>1-3 Feet</td>
<td>&gt;3 feet</td>
<td></td>
</tr>
<tr>
<td>C</td>
<td>Widespread Flooding</td>
<td>&lt;1 Foot</td>
<td>1-3 Feet</td>
<td>&gt;3 feet</td>
<td></td>
</tr>
</tbody>
</table>

Maple St and 1st Ave
Section 3 – Structure Damages

![Image of mobile home with missing walls]

<table>
<thead>
<tr>
<th>Section</th>
<th>Description</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>None</td>
<td></td>
</tr>
<tr>
<td>B</td>
<td>Wind – Light</td>
<td></td>
</tr>
<tr>
<td>C</td>
<td>Wind – Moderate</td>
<td></td>
</tr>
<tr>
<td>D</td>
<td>Wind – Heavy</td>
<td>Mobile home missing walls</td>
</tr>
<tr>
<td>E</td>
<td>Wind – Catastrophic</td>
<td></td>
</tr>
<tr>
<td>F</td>
<td>Surge – Light</td>
<td></td>
</tr>
<tr>
<td>G</td>
<td>Surge – Moderate</td>
<td></td>
</tr>
<tr>
<td>H</td>
<td>Surge – Heavy</td>
<td></td>
</tr>
</tbody>
</table>
Section 4 – Infrastructure

Many wires down on Maple Street

<table>
<thead>
<tr>
<th>A</th>
<th>Electrical Power</th>
<th>Operational</th>
<th>Out</th>
<th>COMMENTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>B</td>
<td>Water Supply</td>
<td>Operational</td>
<td>Out</td>
<td></td>
</tr>
<tr>
<td>C</td>
<td>Sewer System</td>
<td>Operational</td>
<td>Out</td>
<td></td>
</tr>
<tr>
<td>D</td>
<td>Telephone System</td>
<td>Operational</td>
<td>Out</td>
<td></td>
</tr>
<tr>
<td>E</td>
<td>Radio / Television Stations</td>
<td>Operational</td>
<td>Out</td>
<td></td>
</tr>
<tr>
<td>F</td>
<td>Food / Grocery Stores</td>
<td>Operational</td>
<td>Out</td>
<td></td>
</tr>
<tr>
<td>G</td>
<td>Gas Stations</td>
<td>Operational</td>
<td>Out</td>
<td></td>
</tr>
<tr>
<td>H</td>
<td>Hardware Stores</td>
<td>Operational</td>
<td>Out</td>
<td></td>
</tr>
</tbody>
</table>
Section 5 – Transportation

Nick Street at RECON way washed out

<table>
<thead>
<tr>
<th></th>
<th></th>
<th>COMMENTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>Major Road Blocked</td>
<td></td>
</tr>
<tr>
<td>B</td>
<td>Minor Road Blocked</td>
<td>Nick Street at RECON way washed out</td>
</tr>
<tr>
<td>C</td>
<td>Bridge</td>
<td>Blocked</td>
</tr>
<tr>
<td>D</td>
<td>Runway</td>
<td>Blocked</td>
</tr>
<tr>
<td>E</td>
<td>Rail</td>
<td>Blocked</td>
</tr>
<tr>
<td>F</td>
<td>Canal</td>
<td>Blocked</td>
</tr>
</tbody>
</table>
Section 6 – Emergency Services

Several windows damaged. Facility still operational

<table>
<thead>
<tr>
<th>A</th>
<th>EOC</th>
<th>Operational</th>
<th>Out</th>
<th>COMMENTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>B</td>
<td>Police</td>
<td>Operational</td>
<td>Out</td>
<td></td>
</tr>
<tr>
<td>C</td>
<td>Fire</td>
<td>Operational</td>
<td>Out</td>
<td></td>
</tr>
<tr>
<td>D</td>
<td>EMS</td>
<td>Operational</td>
<td>Out</td>
<td></td>
</tr>
<tr>
<td>E</td>
<td>Hospitals</td>
<td>Operational</td>
<td>Out</td>
<td></td>
</tr>
<tr>
<td>F</td>
<td>Shelters</td>
<td>Operational</td>
<td>Out</td>
<td></td>
</tr>
<tr>
<td>G</td>
<td>DOT Facilities</td>
<td>Operational</td>
<td>Out</td>
<td></td>
</tr>
<tr>
<td>H</td>
<td>Red Cross ERV'S</td>
<td>Operational</td>
<td>Out</td>
<td></td>
</tr>
</tbody>
</table>
Section 7 – Casualties

- Only indicate casualty information from a reliable source, Fire, EMS, Police.
- Notate the source and contact info in Comments.
- Exact location.
Section 8 – Narrative

• Include a short narrative on report.
• Include any items that do NOT fit in the above sections.
• Initial Report
• Time Sent
• Method Sent
Radio Based Reporting

<table>
<thead>
<tr>
<th>RECON AGENCY:</th>
<th>TEAM:</th>
<th>LAT:</th>
<th>LON:</th>
</tr>
</thead>
<tbody>
<tr>
<td>REPORT #:</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>TARGET NAME:</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>TIME:</td>
<td>DATE:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>USNG:</td>
<td>COUNTY:</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### 1. DEBRIS
- **SECTION NOT APPLICABLE**
- **D** Trees Down < 1 Foot
- **E** Trees Down > 1 Foot
- **F** Utility Poles Down

### 2. FLOODING
- **SECTION NOT APPLICABLE**
- **A** Street Flooding
- **B** Localized Flooding
- **C** Widespread Flooding

### 3. STRUCTURE DAMAGE
- **SECTION NOT APPLICABLE**
- **A** None
- **B** Wind – Light
- **C** Wind – Moderate
- **D** Wind – Heavy
- **E** Wind – Catastrophic
- **F** Surge – Light
- **G** Surge – Moderate
- **H** Surge – Heavy

### 4. INFRASTRUCTURE
- **SECTION NOT APPLICABLE**
- **A** Electrical Power
- **B** Water Supply
- **C** Sewer System
- **D** Telephone System
- **E** Radio / Television Stations
- **F** Food / Grocery Stores
- **G** Gas Stations
- **H** Hardware Stores

### 5. TRANSPORTATION
- **SECTION NOT APPLICABLE**
- **A** Major Road Blocked
- **B** Minor Road Blocked
- **C** Bridge
- **D** Runway

**COMMENTS**
SITE DEMONSTRATION

State Emergency Response Team RECON REPORTING SITE

"GATOR" Geo Assessments Tool for Operations Response
Follow on Actions

• Main Elements
  – Urban Search and Rescue
  – Long Term Mission Support
  – Migration to ESF-16 LE Mission
Follow on Capabilities
USAR Familiarization FL State Fire College

ADSAR Familiarization
Integration continued..

Federal Partnerships
Captain Brad Williams

FWC Division of Law Enforcement
Public Safety Section, Mutual Aid Operations Chief
850.259.6320