NCEM SERT AIR BRANCH

This brief was used as JRSOI during last few Hurricane events

- NC SERT Operations Chief
  - NC SERT Air Branch
    - Aviation Operations Coordinator
      - Battle Captain
      - Aviation Operations Officer
      - Aviation Operations NCO
      - SERT Air Operations LNOs
        - FAA
        - CAP
        - ANG
        - USCG
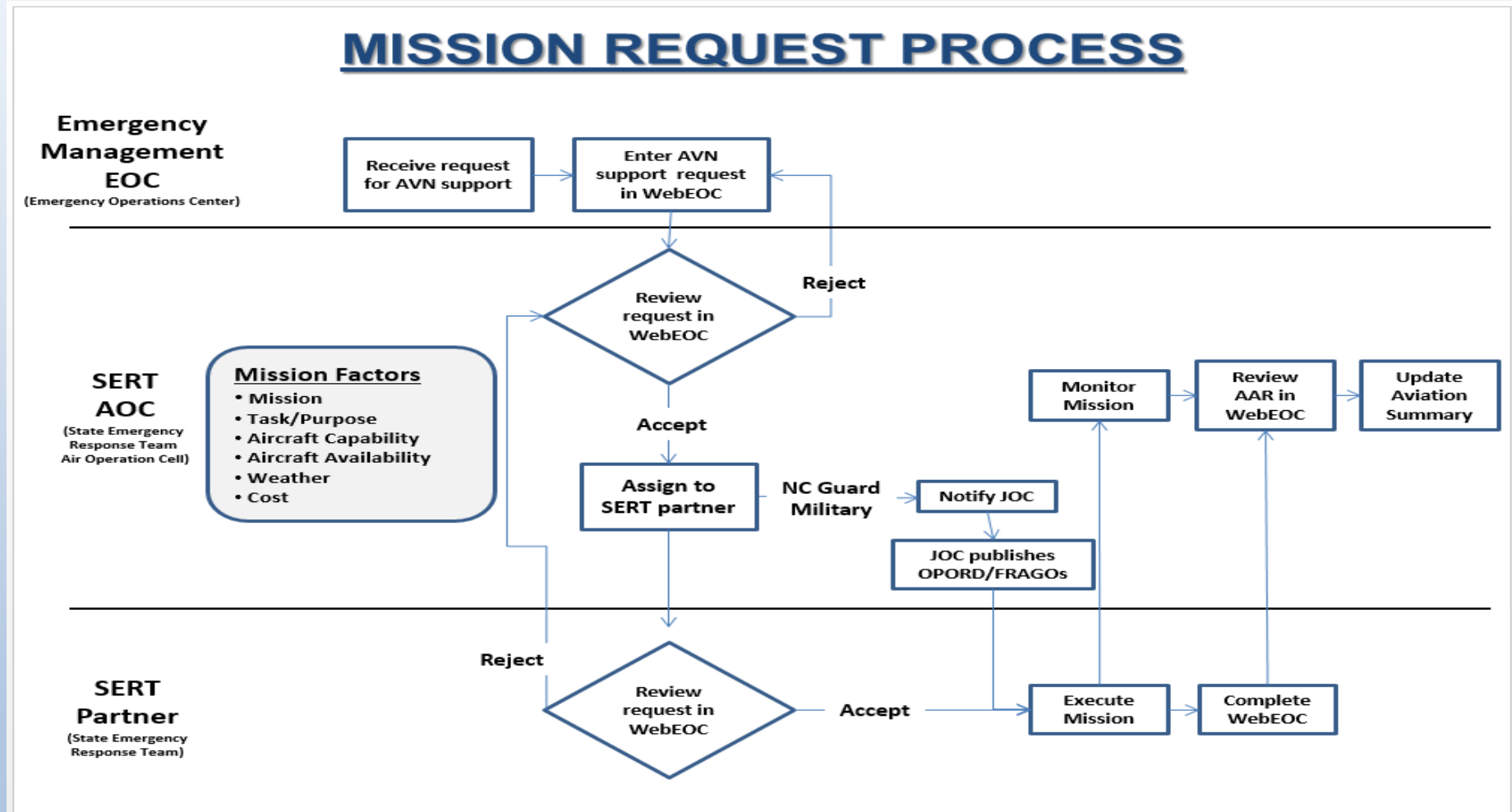   - NCSHP
        - NCDOT UAS
        - FEMA Air
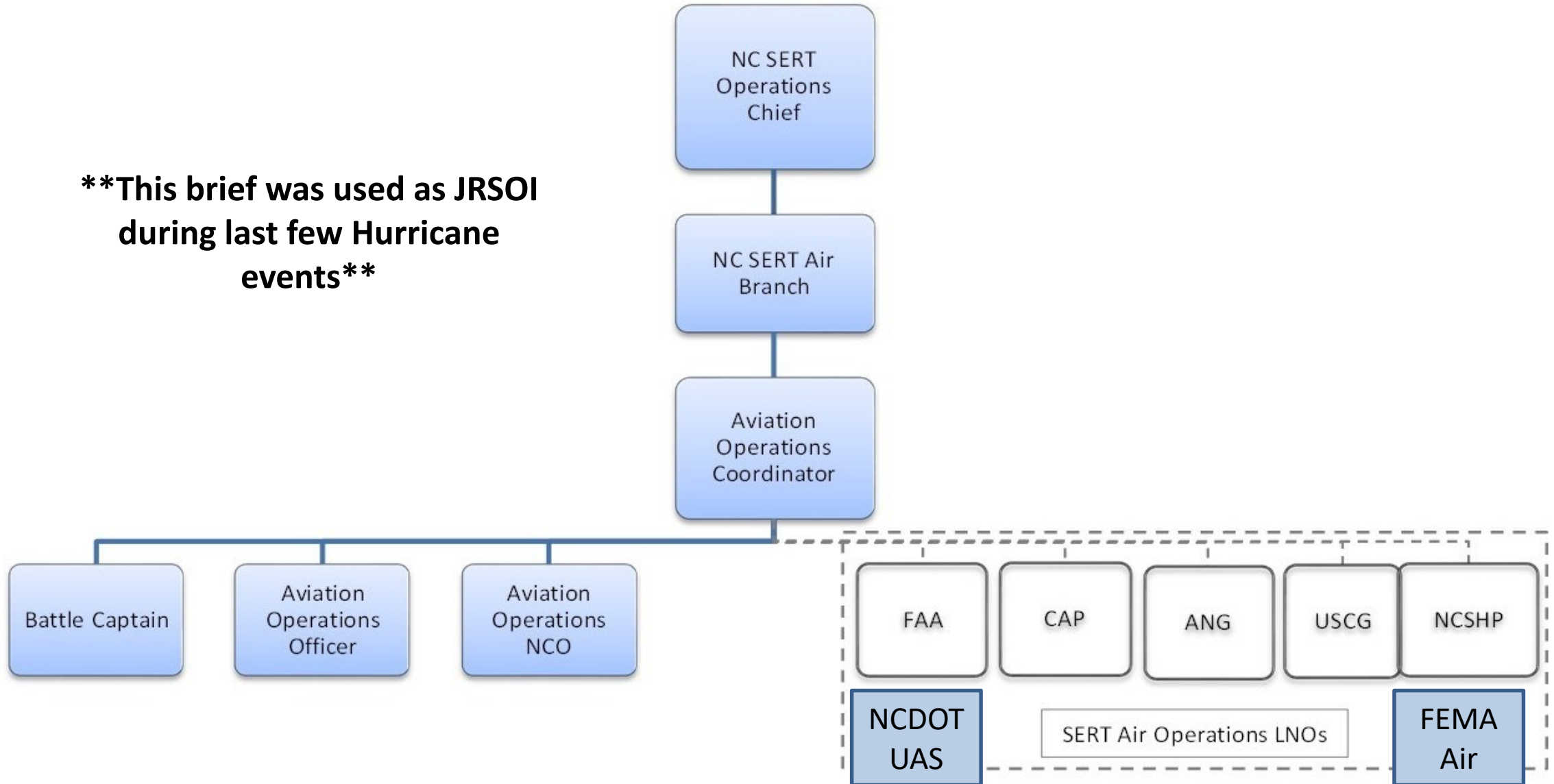
NCEM SERT AIR BRANCH

- The primary responsibility of the NC SERT Air Branch is to coordinate aviation assets. The NC SERT Air Branch does not provide direct C2 but rather, coordinates aviation missions and resources between Federal, State, and local agencies for centralized planning with decentralized execution.

- The NC SERT Air Operations Coordinator (Air Boss) is State Army Aviation Officer of the NCNG and is responsible for the aviation coordination of all participating aviation agencies.
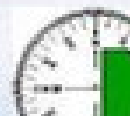
NCEM SERT AIR BRANCH

1. REQUEST - Emergency Management
2. ASSIGNMENT - NC SERT Air Branch
3. EXECUTION - Supporting Agency (NCNG, NCSHP, USCG, ANG, CAP, CBP, etc.)

AIRSPACE DECONFLICTION PLAN
VFR Flight Rules (See & Avoid) Above 2000' AGL, report in MSL

10,000' – 23,000' MSL Or as Assigned by FAA	**Fixed Wing Imagery/UAS** Operate at an altitude appropriate for ideal Imagery Assessment & Analysis equipment parameters	7
5000'-9,000' MSL Assigned by FAA	**Non-SAR Fixed Wing Media/VIP/Admin**	6
2000' – 4000' MSL Assigned by FAA	**Fixed Wing SAR Ops** **(C 130/Civil Air Patrol, Manned Recon/Assessment Acft)** East: 3000' - 3999' AGL West: 2000' – 2999' AGL	5
1500' – 2000' AGL	**Buffer Zone – Safety deconfliction between Fixed Wing and Rotor Wing Aircraft**	4
1000' – 1500' AGL	**NON-SAR Rotor Wing LEO/VIP/Admin/IAA** East: 1000' - 1200' AGL West: 1300 – 1500' AGL	3
500' – 1000' AGL	**Helo SAR Transition Altitude** **(Rescued Persons Movement)** East: 800-1000' AGL West: 500-700' AGL	2
SFC – 500' AGL	**Helo SAR / MEDEVAC / Sling Load Ops** **Counter Clockwise Flow**	1

Tier 2

Tier 1

AIRSPACE DECONFLICTION

- **RW Search and Rescue/MEDEVAC/Sling Load Operations:** SAR aircraft conducting active search and recovery operations shall operate from the surface up to but not including 500' AGL.

- **UAS NCDOT Operations:** Visual line of sight NCDOT drone operations with be conducted from surface up to but not including 400' AGL. UAS operations WILL NOT be conducted within 1nm of manned aircraft.

- **Search and Rescue Transition Altitude/Rescued Persons Movement:** RW shall transition west 500'- 700' AGL and east 800'- 1,000' AGL. After reaching the assigned search grid, descend to appropriate SAR altitude.

- **Non-Search and Rescue Rotary Wing GS/Administrative/VIP:** Non-Search and Rescue aircraft shall transition east 1,000' – 1,200' AGL and west is 1,300' – 1,500' AGL. **(Fixed Wing 2,000' and above)**

NCEM SERT AIR BRANCH

NCDOT UAS OPERATIONS

- The NCDOT UAS Program Office works directly with the SERT Air Branch to deconfliction manned and unmanned traffic by providing an LNO in the SERT AOC.

- NCDOT will have (8) eight UAS teams, (16) drones, dispersed in affected areas.

- UAS pilots will monitor 123.025, unless near or in controlled airspace.

- Cellphones are the primary communication for dispatching

- NCDOT and the SERT Air Branch track unmanned aircraft using the following tracking systems:

    AirMap dashboard (Web based app)

    SPOT GPS dashboard (Web EOC)

    Smartsheet mission request map (https://tinyurl.com/y6lgg93u)

NCEM SERT AIR BRANCH

SAR Aircraft / UAS Deconfliction

- Flights will be restricted to 400 AGL, unless otherwise directed by FAA or the SERT Air Branch.

- Mission priority will be SAR.

- All UAS operations will be visual line of sight, unless specifically approved for beyond visual line of sight.

- UAS pilots will deconflict with manned aircraft visually.

- UAS pilots are instructed to land if a manned aircraft is in the vicinity. For example, a UAS pilot hears a helicopter nearby, but does not have visual contact, they are instructed to land immediately.

- At no time will unmanned aircraft be operated within 1nm of manned aircraft.

NCEM SERT AIR BRANCH

POCs

AIR BOSS – LTC Mark Pickett   984-664-6149

AIR SERT OPS – CW5 Todd Woodard   984-664-6609

NCDOT UAS Program Manager - Basil Yap   919-814-0550

NCDOT UAS LNO – Ben Spain   919-999-6362