


# The anatomy of a successful Arrestment

NEC Hershey Conf. March 30th

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# Zodiac Arrestments to date

JFK Int'l, May 1999

JFK Int'l, May 2003

JFK Int'l, Jan. 2005

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# Zodiac Arrestments to date



Greenville, July 2006



Yeager, Jan. 2010



Teterboro, Oct. 2010

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# Zodiac Arrestments to date



Key West Int'l, Nov. 2011



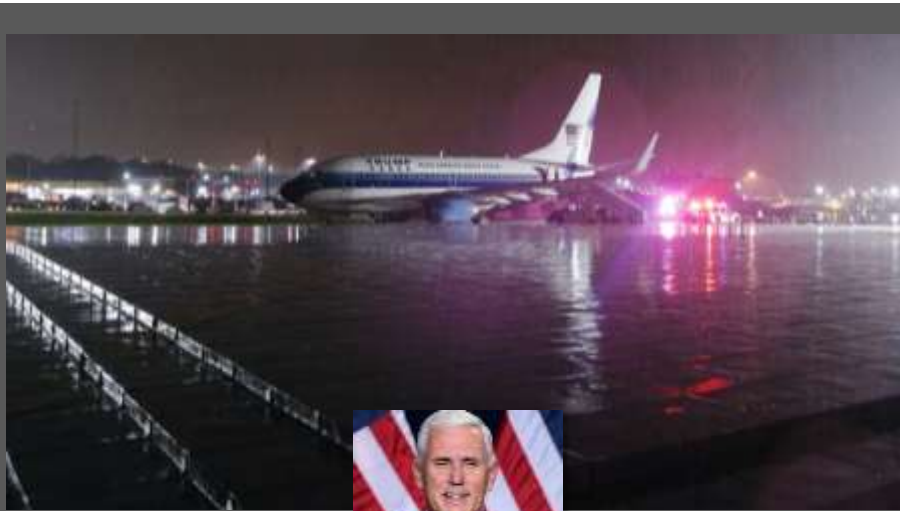

No. 9: Palm Beach Int'l, Oct. 2013



No. 10: Chicago Exec., Jan. 2016

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VP candidate Mike Pence  
& 47 other lives saved!

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## Definition of a successful arrestment

### ▪ EMAS provider

- No passengers or people on the ground are injured
- Plane came to a stop within the EMAS with little to no damage
- Performed as predicted
- Runway opened within a matter of hours
- Repaired within a matter of weeks

### ▪ Airport

- No passengers or people on the ground are injured
- Plane stays on airport property (within EMAS)
- Easy removal of plane from EMAS
- Runway opened in a matter of hours
- No FAA investigation
- Repaired as soon as possible
  - aircraft's insurance

## LGA 22 dep end



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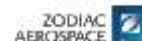


## Planes turning away from EMAS – pilot training



- Continue deceleration
- Maintain RW centerline
- Maintain deceleration efforts
- Once stopped, do not try to move the aircraft

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## Overrun on Thursday night (Date)

- **Zodiac called by customer before plane was removed**
- **Zodiac on site early Friday to fully assess damage**
  - How large a repair
  - What resources needed to complete repair
- **Repair started on Saturday night**
  - Ran around the clock
- **Finished by Monday morning.**

# Removal of the aircraft



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## Removal of the aircraft – reaction to an overrun

- Expect an incident, not an accident
- Expect FAA release of the aircraft in hours, not days
- Expect normal flight operations the next day
- Contact authorized aircraft ground handler
- Follow manufacturer's direction, have authorized aircraft ground handler pull aircraft out of the EMAS and onto pavement

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## Behind the scene work - LGA



- Called Zodiac immediately
- Removed plane from EMAS bed
- Cleaned up the damaged blocks
- NOTAM issued

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## Behind the scene work - Zodiac

- **Emergency response team set in motion when notified of overrun**

- On site
- At plant culling out correct materials
- Lining up a contractor



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## Behind the scene work – PANYNJ's role

- **Keys to success**

- Communication between the PA and Zodiac right from the start.
- Having a recovery contractor "just a phone call away" – plane removal
- EMASMAX blocks on hand for repairs
- Zodiac personnel available to oversee clean up and repair work
- LGA has a *group of extremely talented people* on call 24/7 who initiated the clean up allowing the repair to happen as soon as it did.
  - Cost savings
- Approved payment vehicle in place
  - Maintenance agreement with PA
- Having an airport with the ability to close a runway nightly.

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## Behind the scene work – Zodiac's role

### ▪ Keys to success

- Communication between the PA and Zodiac right from the start.
- Dedicated staff moving before knowing full scope of repair
- Large inventory of EMASMAX blocks & materials
- Zodiac personnel available to oversee clean up and repair work
  - Started moving right after call
- Local contractors with EMAS installation experience
- Approved payment vehicle in place
  - Maintenance agreement with PA
- Working with an airport with a high sense of urgency

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## Makings of a winner


### ▪ Stats

- 129 blocks removed and replaced
- Completed in less than 80 hrs
- Dedicated Zodiac & PANYNJ staff
  - Anticipation
  - Prepping before order receipt & aircraft removal
  - Singular focus from both teams

### ▪ Success factors

- Called Zodiac immediately
  - On site within 24 hrs to fully assess the size of the repair
  - Able to obtain materials & labor needs
- Had procurement vehicle in place
  - No waiting for board or county approvals
- On call contractor for plane removal
- Local contractor for install

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# QUESTIONS?

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