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Applied Realtime Tactical Intelligence

Strategy:
A Broad Set Of Objectives

Tactics:
**The Methods Used To Achieve
Those Objectives.**







- **10 Standard Firefighting Orders**
- **18 Situations That Shout “Watch Out!”**
- **Downhill Line Construction Checklist**



LCES

Lookouts

Communications

Escape Routes

Safety Zones

Lookout?





BRG — °

DST — . nm

TTG — :

OUT TUP QRY

IN NUP CUE

MARK CPT

GOTO FORMAT SHOW

LEFT UP RIGHT

DOWN

ALT 7224ft
HDG 213°M
GS 41 kts
N 40° 05.99'
W 121° 08.30'



10 Standard Firefighting Orders
18 Situations That Shout Watch Out
Human Factors
Fire Environment

Fires React to Their Environment



Fuels
Weather
Topography

Courtesy Aviation support, Kirtland AFB
161: 305 00 22870, 49284, AZ 1007 03 201 10 54
700: 102 00 24220, 49660, AZ 1007 03 201 10 54

- mark
- r2
- Yo-unattended



Sep 27 2018
11:24:23 Z
7:24:23 PM Local

Map window



Realtime Tactical Intelligence:

- **Reduces Radio Traffic**
- **Allows Data To Be Shared Rapidly**
- **Includes Map Data**
- **Reduces ATGS Workload**
- **Eliminates Confusion Resulting From Regional Dialects.**
- **Provides Common Operating Picture**

FLIR SYSTEMS

35°50.8269' N 118°21.4281' W
SPD 165 KTS HDG 133 °T
ALT 14819 FT

35°23.4705' N 119°46.0176' W
SPD 0 MPH HDG --- °T
ELV 1932 M SLT 137463 M

08/18/16
22:45:08

LRF TARGET
35°48.5415' N
118°32.9253' W
ELV 1937 M
SLT 9316 M

N

LRF L ARMED
LP C ARMED

HDIR
M WH
FOC MAN
EXP ALAP

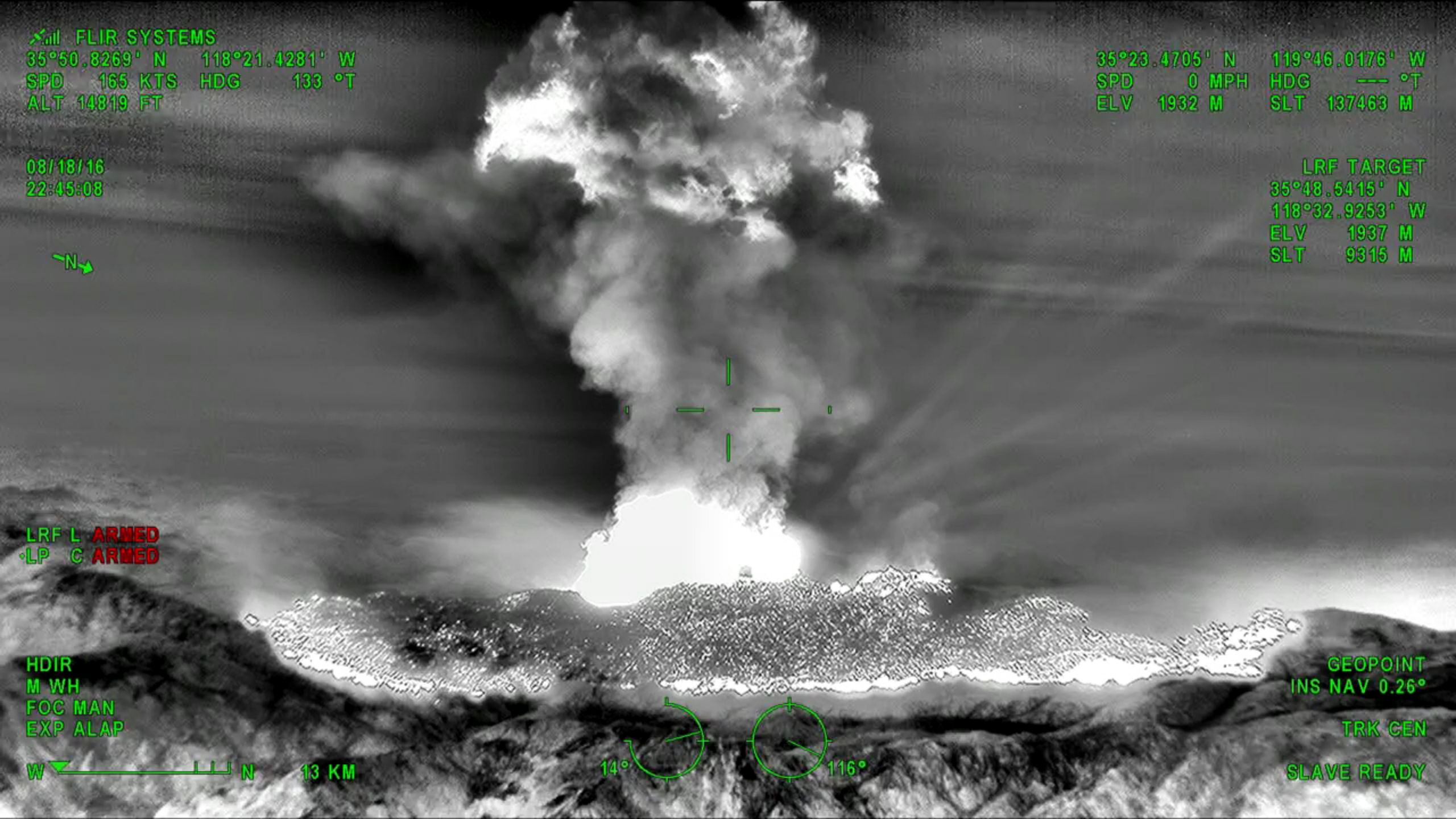
GEOPOINT
INS NAV 0.26°

TRK GEN

W 13 KM N

14° 116°

SLAVE READY





Many People I Need To Communicate With:

- Other Aircraft
- Fire Line Supervisors
- Fire Commanders
- Dispatch/ECC
- Land Managers
- Need Vs Want

Down Linking:

In The Past:

- Specialized Equipment
- Costly
- Not Widely Available

Presently:

- Common Devices
- Less Costly
- More Available
- Multiple Recipients



ATGS Transition Briefings:

- **Air Resources Assigned**
- **Radio Frequencies**
- **Ground Resources Locations, Tasks, Needs**
- **Geographic Info**
- **Reload Bases/Dip Sites**
- **Airspace Info**
- **100 Other Things...**

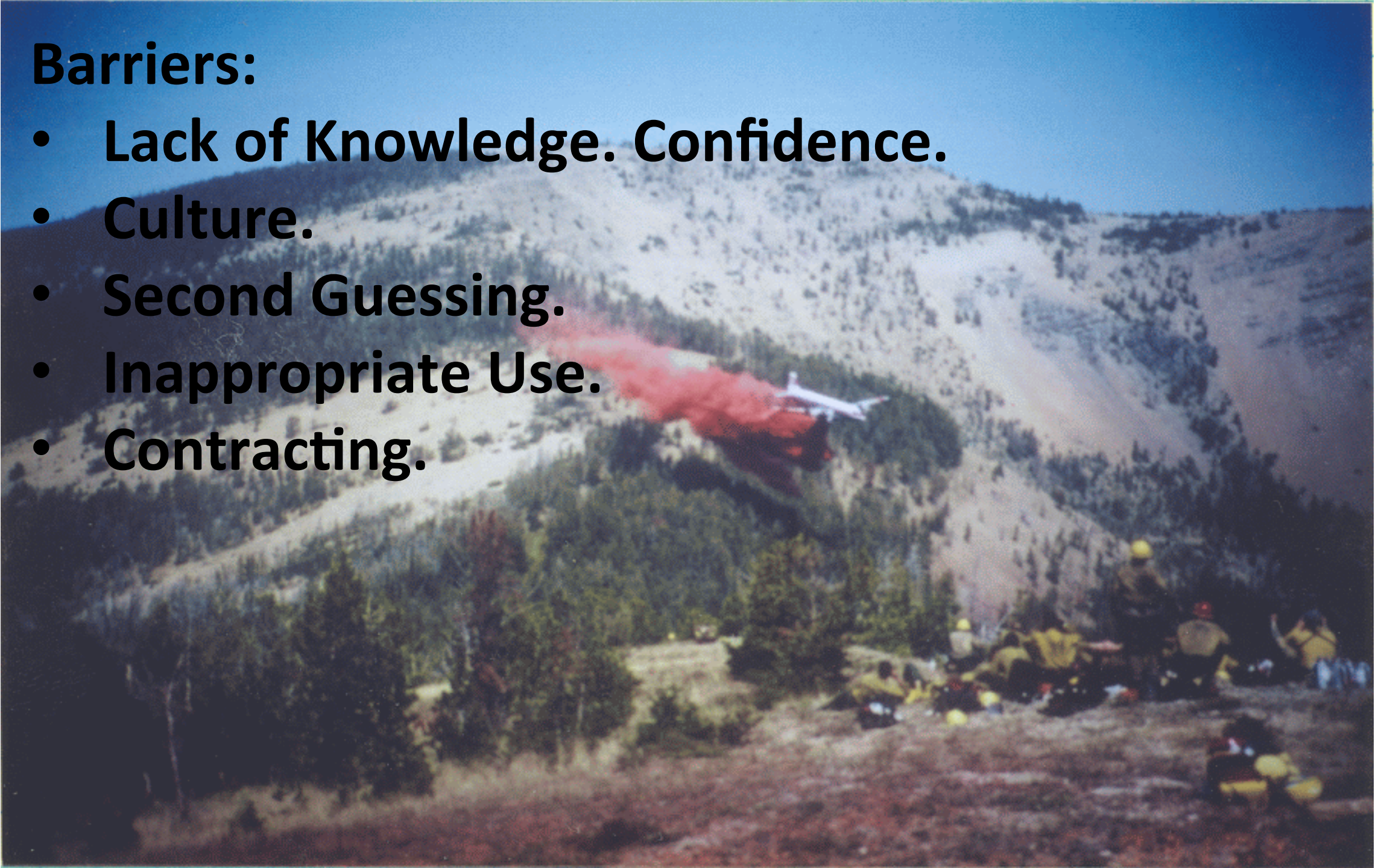


The Future:

- **Expand Availability**
- **Data To ATB's**
- **Provide Data to Those In Need**
- **Improve Rapid Deployment Capability**
- **Continue to Reduce Aircrew Workload**

Barriers:

- **Lack of Knowledge. Confidence.**
- **Culture.**
- **Second Guessing.**
- **Inappropriate Use.**
- **Contracting.**



Questions?

