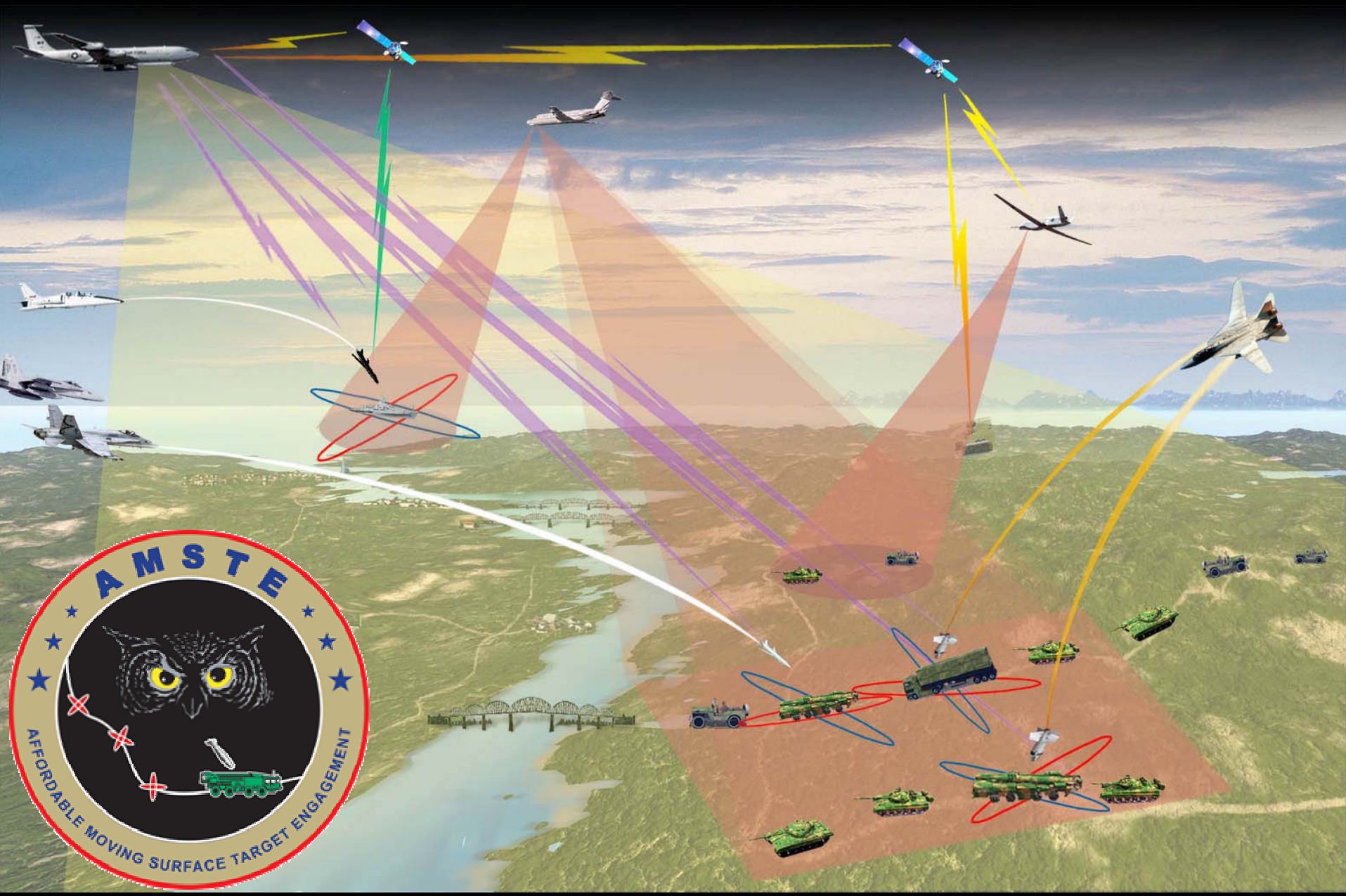
DARPA

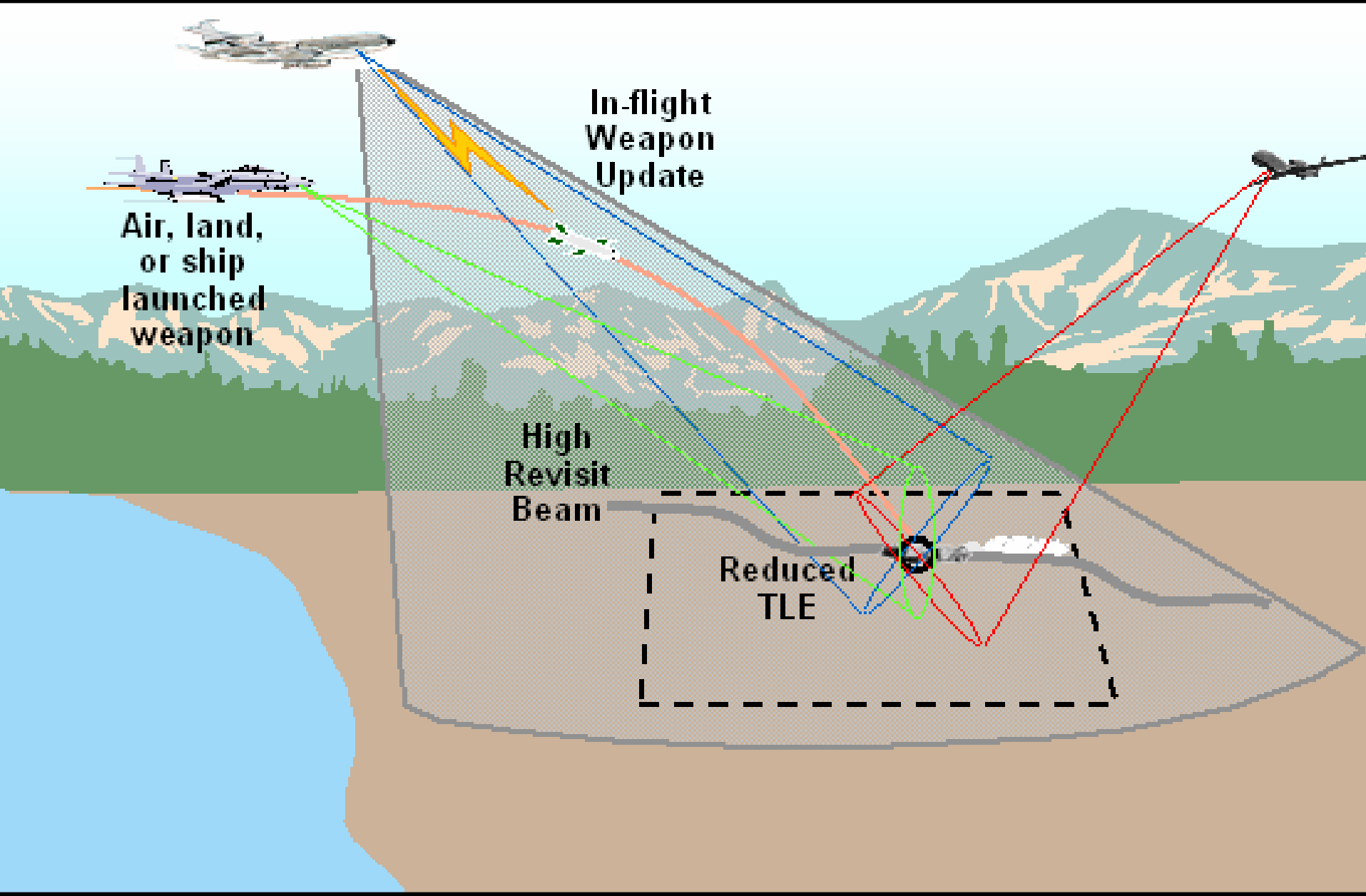
DARPATech

2002 Symposium

Transforming Fantasy

DARPA
Steven P. Welby
Deputy Director,
Information
Exploitation Office
Transforming
Fantasy


AMSTE
AFFORDABLE MOVING SURFACE TARGET ENGAGEMENT


In-flight
Weapon
Update
Air, land,
or ship
launched
weapon
High
Revisit
Beam
Reduced
TLE

M-56
219:16:52:45.8792 LR3465
AMSTE A/C+ DUNEBUGGY 8/07/01

M-56
219:16:52:47.8812 LR3465
AMSTE A/C+ DUNEBUGGY 8/07/01

SE-2 228:01:24:56.1864 LR3543
AMSTE A/C & DUNEBUGGY A/L 8/15/01

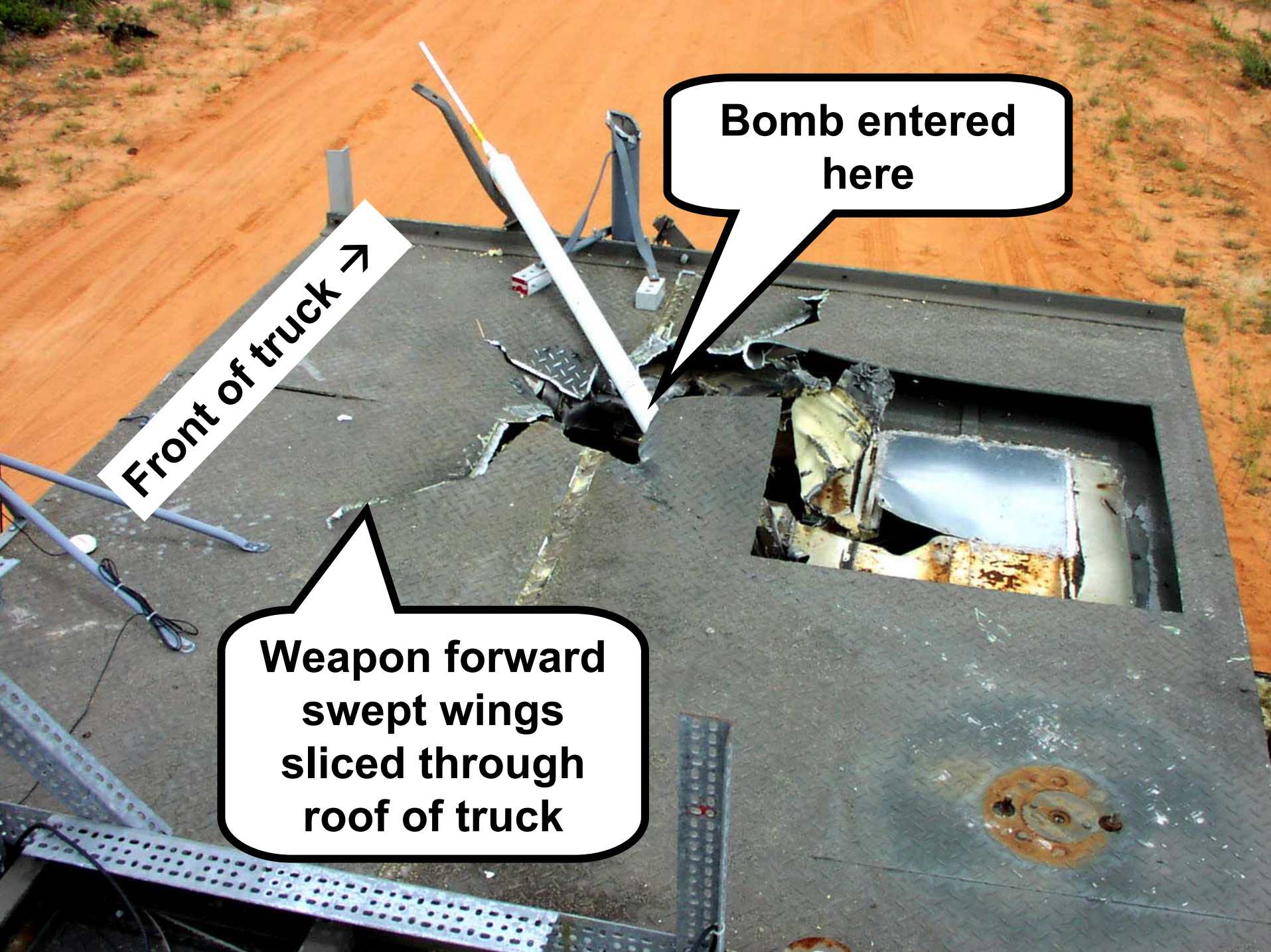
JSTARS Flight Test Asset
U.S. AIR FORCE
JS
NGC BAC1-11 –
Nose Mounted JSF-Class
AESA Sensor

240:14:37:12.623

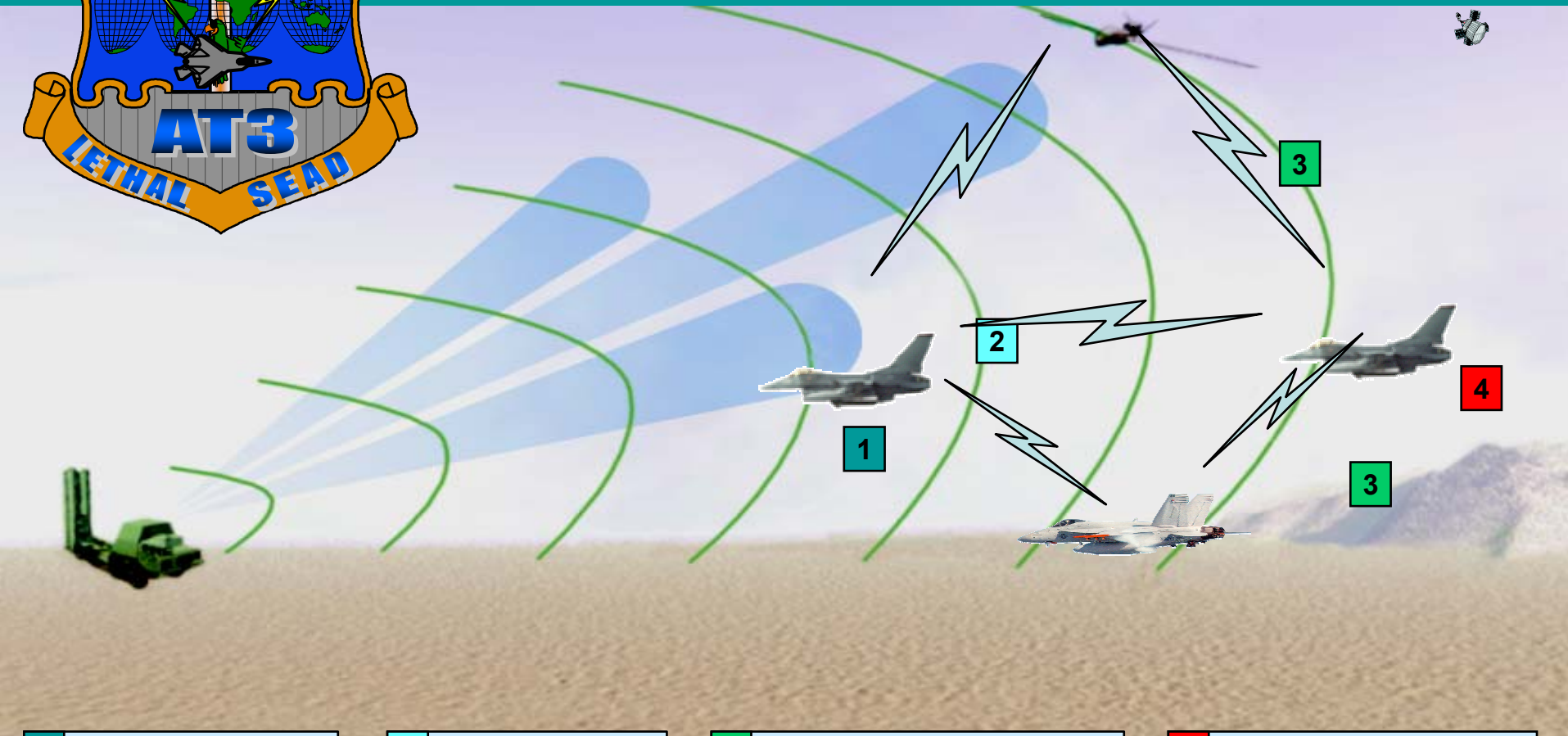
240:14:37:12.675

240:14:37:12.003

240:14:37:12.703


Bomb entered here
Front of truck →
Weapon forward swept wings sliced through roof of truck

VAN



1 Detect, Classify, Select Target

2 Broadcast Request

3 Platforms Tune, Detect Target; Relay

4 Measure TDOA & FDOA; Locate Target

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