SCENARIO: COUNTER TERRORISM
1-2 JUN 2001

Combined (Joint) Training for Unconventional Threat
NORAD FTX EXERCISE CHARTER

(PER NORAD INSTRUCTION 10-45)

• **Mission:** Train NORAD Warriors
• **Focus:** Air Sovereignty and Air Defense
• **Goal:** Enhanced Mission Readiness
• **Scenarios:** Based on *Perceived* Threats
Washington Times
May 29, 2000

Cohen Says Terrorist Threat Is 'Real'

Defense Secretary William S. Cohen yesterday warned the United States faces a "quite real" threat of a terrorist nuclear, chemical or biological weapon attack on national soil within 10 years.

Joint Vision 2020 Document: 'Prepare Now For Uncertain Future'
“Missile technology is proliferating into the hands of rogue nations and terrorist organizations. As a nation we must research and develop options to combat these emerging threats.”

STATEMENT OF

GENERAL RALPH E. EBERHART, USAF
COMMANDER IN CHIEF
NORTH AMERICAN AEROSPACE DEFENSE COMMAND
AND UNITED STATES SPACE COMMAND
BEFORE THE UNITED STATES SENATE ARMYED SERVICES COMMITTEE
STRATEGIC SUBCOMMITTEE
8 March 2000
AMALGAM VIRGO
EXERCISE GOALS

• Focus on a Realistic Current Threat
• Increase the Realism and Fidelity of Our NORAD/SEADS Live-fly Exercises
• “Train Like We’re Going to Fight”
• Exercise Contingency OPORD Concepts
AMALGAM WARRIOR 00-2

C2 NODES
- NORAD
- CONR
- SEADS
- 728 ACS
- AWACS
- USCG RCC

RADAR
- ARSR-4
- TPS-75
- AWACS
- AEROSTAT

FIGHTERS
- F-15 (JAX)
- F-16C (EFD)
- F-16ADF (PAM)

PORT SECURITY
- KODIAK IS. (110FT)
- HU-25 (FALCON)
- E-9
- AVENGER
- RCC

TANKERS
- KC-135

TYNDALL AFB
- 125 FW
- 148 FW

AVENGER
- GP MOBILE (ATC)
- 147 FW

E-9

R/SAOC
- 728 ACS
- TPS-75
- NEW ORLEANS

RCC
- NFC

USCG RCC
- CMOCC

AOC
- USCG

JSS

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CMOC
WORLD AOR’s 101
AW 00-2 C2 LESSONS

“THE GREY AREA”
WHO IS RESPONSIBLE FOR WHAT AND WHO IS IN CHARGE?
NORAD homeland defense missions: Aerospace Warning and Aerospace Control.

- **Aerospace Control** provides surveillance and control over North American airspace. This includes the capability to detect, identify, monitor and, if necessary, take appropriate action (ranging from visual identification to destruction) against manned or unmanned air-breathing vehicles approaching North America.
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NORAD (ARSR-4, AEROSTAT, FTRs)
Detection Augmentation
E-2, E-3, GTACS, PATRIOT, AEGIS
SURFACE VESSEL PROSECUTION
NORAD, USCG, USN, ACC
AWACS, CUTTER, HU-25, AEGIS, E-9
COMMAND AND CONTROL NODES
CMOC, RAOC, SEADS, USCG RCC,
E-2, GTACS, AWACS, AEGIS, FL EOC
THREAT PROSECUTION AND TRAINING OPPORTUNITIES
Joint Training For Unconventional Threat

AMALGAM VIRGO 01 PROPOSAL
### AV 01 FIGHTER FLOW

**30 MAY 2001 - 4 JUN 2001**

<table>
<thead>
<tr>
<th>Tuesday</th>
<th>Wednesday</th>
<th>Thursday</th>
<th>Friday</th>
<th>Saturday</th>
<th>Sunday</th>
<th>Monday</th>
</tr>
</thead>
<tbody>
<tr>
<td>29</td>
<td>30</td>
<td>DACT CF-18 (Red) vs F-15/16</td>
<td>1</td>
<td>2</td>
<td>DACT CF-18 (Red) vs F-15/16</td>
<td>3</td>
</tr>
<tr>
<td>CF-18s Deploy To Tyndall AFB</td>
<td>CF-18 (Red) vs F-15/16</td>
<td>SEADS/ADA* FED VIRGO (OFF-LINE TNG)</td>
<td>AMALGAM VIRGO</td>
<td></td>
<td>SEADS/ADA* FEDVIRGO (OFF-LINE TNG)</td>
<td>CF-18s Re-deploy To Canada</td>
</tr>
</tbody>
</table>

*SEADS/DOCW/T RESPONSIBLE FOR PLANNING, ORGANIZING AND EXECUTING FEDERAL VIRGO EXERCISE (I.E. DACT WITH SEADS BATTLESTAFF)*
INTEL SCENARIO FLOW
1-2 JUN 2001

BEHIND THE SCENES….Simulated
• JTF FORMED
• JFCOM/SOUTHCOM/NORAD CINC ASSESSMENT
• COA DEVELOPMENT/SELECTION
• EXECUTION PLANNING/ORDER

Jan - May
PRE-STARTEX
TERRORIST GROUP ACQUIRES CM’S/UAV’S

STARTEX
(DAYTIME) ATTACK ON TYNDALL IMMINENT
- NORAD/SEADS UNITS RECALLED - NORAD
FIRST LINE OF DEFENSE PENDING JTF

1 JUN LOCAL CST
1800 21 24 03 0600 09 12 15 1800

CAP BEGINS

JTF STANDS DOWN
VULTIME ENDS

POTENTIAL GOMEX ATTACK WARNING - SEADS UNIT’S NOTIFIED OF POSSIBLE RECALL
UNCLASSIFIED

(Cover Letter - para 1) When directed by the Government of Canada and the National Command Authorities of the United States, CANUS forces will conduct combined operations to maintain the security of the CANUS region.

[signed]

J.M.G. BARIL
General, Canadian Forces
Chief of the Defence Staff

[signed]

HENRY H. SHELTON
General, United States Army
Chairman, Joint Chiefs of Staff

APPENDIX 4 TO ANNEX J TO CANUS BASIC SECURITY PLAN
UNITED STATES AS LEAD NATION COMMAND STRUCTURE

Note:
(1) The CDS will exercise command of the Canadian forces through a National Command Element (NCE)
GET NORAD INVOLVED EARLY

JFCOM (JTF) SUPPORTING COMMAND
PARTICIPANTS

BLUE

- NORAD
- CONR
- SEADS
- 970 AACS (AWACS)
- USCG (RCC/CUTTER/FALCON)
- 125 FW, 147 FW, 148 FW
- 53 WEG (E-9)
- 728 ACS (GTACS)
- 2-263/5 ADA (AVENGER)
- 1-203 ADA (PATRIOT)
- DESRON6 (AEGIS)
- VAW-77 (E-2)
- CF-18
PARTICIPANTS

RED

- Phoenix Air (Surrogate UAVs)
- CAP (CD/TERRORIST TGTs)
- 53 WEG (MQM-107/VESSEL)
- MU-2 Relay Platform
- 2-263 ADA (manpad)
CONSEQUENCE MGT
CONNECTIVITY DRILL

ETA 17 MINUTES
5 Minutes for EBS
21 Minutes TOTAL
CONSEQUENCE MGT CONNECTIVITY DRILL

CINCNORAD***

JTF/CC** NORAD J3

CJCS(N)

NCA (N) PRESIDENT SECDEF

FBI JOC

SECARMY DOMS

1ST ARMY

CINCNORAD***

JFACC/AADC** CONR/CC

JFLCC** FL TAG

SEADS

GTACS

E-3

E-2

F-15

F-16

CRISIS MANAGEMENT

INTERFACING ONLY (NOT C2)

CONSEQUENCE MANAGEMENT

SPECTRUM

FEMA DISTRICT IV

(FL) STATE EMERGENCY OPERATIONS CENTER (EOC)

CINCNORAD***

JTF/CC** NORAD J3

CJCS(N)

NCA (N) PRESIDENT SECDEF

FBI JOC

SECARMY DOMS

1ST ARMY

CINCNORAD***

JFACC/AADC** CONR/CC

JFLCC** FL TAG

SEADS

GTACS

E-3

E-2

F-15

F-16

CRISIS MANAGEMENT

INTERFACING ONLY (NOT C2)

CONSEQUENCE MANAGEMENT

SPECTRUM

FEMA DISTRICT IV

(FL) STATE EMERGENCY OPERATIONS CENTER (EOC)

ETA 17 MINUTES

8 Minutes Preparation

5 Minutes for EBS
INITIAL INVOLVEMENT WITH CONSEQUENCE MANAGEMENT

MILITARY AND CIVILIAN COOPERATION ESSENTIAL FOR EFFECTIVE POST TERRORIST ATTACK ACTIONS
(SHORAD) ADA CONOPS
AMALGAM VIRGO 01

OAKGROVE: “Pop-up target 10 SSE of J-11”

Tyndall AFB

J-11

R-2905

040°

Re-generation Line

29 55 N
85 35 W

Avenger
"The LEARS UAV was developed for sales to third world nations”

James H. Boschma
Technical Director
Bosch Aerospace, Inc
Huntsville, AL
"A Scary Thought"
16 AUG 99

New Foundland to Scotland
26 hours
3,200 km
“Pentagon and FAA officials have ordered a Defense Dept. study of how UAVs should be integrated into national airspace”

“Predictions are that the U.S. may be operating as many as 2,000 UAVs in 5-10 years. The market is ready to explode"
DRONE SAFETY PROCEDURES

DRONE COORDINATOR

10 NM DRONE RULE

ALT BLKS 0-4'S

ALT BLKS 5-9'S

WHITE CELL

J-11

RAGE CONTROL

EX DIRECTOR

WETSTONE

SAFETY LOOP

BLUE AIR PICTURE

TOTAL AIR PICTURE

DRONE AIR PICTURE

GRDCUS

DRONE CONTROL

DRONE COMMANDER
AW 00-2 TRACK SYNOPSIS
All times in local CST time (+5 for zulu)

TRACK TIMES
(LOCAL)
1. 1830-1914 UNK
2. 2030-2138 CD
3. 2240-2341 CD
4. 0050-0140 SUICIDE
5. 0630-0700 RPV
6. 0700-0801 CD
7. 0715-0745 RPV
8. 0815-0842 RPV
9. 0830-0930 UAV
10. 0900-0927 RPV
11. 1030-1123 UAV
12. 1100-1130 RPV
13. 1145-1215 RPV
14. 1245-1312 RPV
15. 1210-1300 UAV
16. 1330-1357 RPV
17. 1400-1506 UAV
18. 1716-1800 CD

UNK  RPV  CD  UAV  SUICIDE
NORAD AV
PROPOSAL GUIDELINES

Need your proposals for a live-fly event

✓ Multi-region exercise preferred
✓ Should be short duration (1-2 days)
✓ Should focus on emerging threats
   ✓ Cruise missile defense
   ✓ Anti-airborne terrorism
   ✓ WMD
✓ Should include outside agencies
   ✓ FBI, RCMP, FEMA, DTRA...
Exercise Integrated Tactical Warning and Attack Assessment (ITW&AA).
Exercise command interface with higher and lateral headquarters.
Exercise intelligence, logistics and personnel functions.
Exercise command, control and communications systems and procedures.
Exercise NORAD Headquarters, region and sector joint binational battle staffs.
Exercise crisis action planning, deployment planning and CONPLAN execution.
Exercise regeneration, NBC and battle staff support operations and test concepts.
Exercise contingency operations (including Cruise Missile Defense).
Exercise air sovereignty and air defense missions.
Exercise the counterdrug mission.
EVERYONE PARTICIPATES

• ANR
• CANR
• WADS
• NEADS

WHITE FORCE AUGMENTATION

HIJACK SCENARIO

ANR/CANR/CONR/WADS/NEADS
SUMMATION

AMALGAM VIRGO 01 Will Provide:

1. Challenging and Realistic Training ...(PA)
2. Significant break from “Cold War” Paradigm
3. State-of-the-art Target
4. Integration of New Concepts
5. “Train-Like-You-Fight” Wargaming
6. Robust Battle Management Training
7. Joint Training for Unconventional Threat