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***AMALGAM VIRGO 02
IPC***

**MAJ GODDARD
HQ NORAD J38X**

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Agenda

- **Overview**
- **Scenario**
- **Training Objectives**
- **Hijack 101 (NORAD perspective)**
- **Discussion Items**
 - **Airspace / Control Issues**
 - **Agency interaction**
 - **Teleconference**
 - **Assets**
 - **Timeline / MSELS**
 - **Control Structure**

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Agenda

- Intercept
- Funding Issues
- Simulations (terrorist FBI)
- PA
- Future Consideration
- Deliverables
- TRUSTED AGENT issue***

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Overview

- **Amalgam Virgo**
 - Small-scale exercise conducted by one or more Regions, HQ NORAD and CMOC.
 - Exercise peacetime and contingency missions.
 - Emphasis on air piracy, CD ops, anti-airborne terrorism, and CM defense.
 - A key aspect is coordination with non-DoD agencies
- **Dates: 4-5 Jun 02**
- **Participants:**
 - FBI, FAA, TC, NAV Canada, RCMP, FEMA, NWA, NORAD, NMCC, NDCC

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Scenario

- **Notional STARTEX**

- Pres. Bush opens vast portions of Alaskan wilderness to oil drilling exploration.
- Oil companies begin drilling
- Environmental groups protest and some more radical groups demand action.
- Flight routing is: PHX-ANC
- FAA Air Marshal coincidentally is on board.
- Plane is hijacked during takeoff by "Greenfirst", a radical militant splinter group of Greenpeace.
- Hijackers order pilot to continue takeoff or they will release Sarin. Claim to have other WMD also.
- Aircraft takes off and squawks 7500.

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Scenario



- **Notional STARTEX**

- Reports of poisoning incident at PHX restroom. 12 injured, 3 dead including one known extremist.
- Other extremists boarded the aircraft as passengers and during the hijack, claim to have vials of Sarin.
- Hijackers' intent is to force an end to oil exploration and drilling in Alaska's newly opened wilderness.

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Scenario

- **Training Events**

- **Hijack**

- NORAD support - shadow and surveillance
 - Aircraft assault
 - FAA/TC coordination / FAA run intercepts
 - Control responsibility hand-off

- **WMD**

- Chem / BIO threat decision making process
 - Consequent management

- **I/O**

- Misinformation

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Training Objectives

- **HQ NORAD**
 - Exercise hijack procedures
 - Interagency coordination (w/ real players)
 - Exercise WMD procedures
 - Command & Control
 - Cross Region Coordination
 - E-3 integration
 - Cross border considerations

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Amalgam Virgo 02

HIJACK

References:

- CJCSI 3610.01
- NORAD Master SPINS
- FAA Crisis Management Handbook
- NP 703E

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Hijack Procedures



- **General**
- **Escort Procedures**
 - **C²**
 - **Approach/Escort**
 - **Termination**
 - **Restrictions**
 - **Military assistance**
 - **Possible Scenario's**

FAA/TC has sole responsibility for the hijack when **"In Flight"**.
FBI/RCMP has sole responsibility for the hijack when **"Not in Flight"**.

AN a/c is considered **"In Flight"** the moment all external doors are closed and considered **"Not in Flight"** when any of the external doors are opened.

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Hijack Procedures

- **General**

- **No action is taken unless requested by the FAA or Transport Canada (TC)**
- **Military assistance to:**
 - **Assure positive flight following**
 - **Report unusual observances**
 - **Aid in SAR if required**
- **JCS or CDS may task NORAD to provide escort aircraft**
- **NMCC or NDCC will request military assistance thru the NORAD Command Center (CMOC CC)**

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Hijack Procedures

- **Escort missions will not be conducted if:**
 - **They interfere with the conduct of active air defense mission(s)**
 - **Flight safety conditions will not allow airborne surveillance**

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Hijack Procedures

- **Escort Mission Command and Control (C²)**

- **CONR/ANR**

- When the hijacked a/c is not within FAA radar coverage, but within CONR or ANR coverage, the escort a/c are under appropriate region C²
 - If the hijacked a/c is within FAA coverage, the escorts are controlled by appropriate FAA facility and remain under command of appropriate region

- **CANR**

- Within CANR coverage, escort a/c are under CANR C²
 - When not within CANR coverage but under TC coverage, NORAD escort mission is terminated. TC does not control NORAD fighters (except for scramble and recovery at TC-controlled airports)

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Hijack Procedures

- ***Approach/Escort Phase***

- Escort a/c will be vectored to approach hijacked a/c from the rear to avoid possibility of being observed by hijackers
- When escort a/c are 30 nm from hijacked a/c, positioning instructions are confirmed (5 or 10 nm)
- Intercept is planned so as to position escorts at same altitude, heading and speed of hijacked a/c no closer than 5 nm (US) or 10 nm (Canada, 5 nm with approval of Regional DDO) directly behind hijacked a/c

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Hijack Procedures

- ***Termination***

- NMCC, NDCC, NCC, FAA or TC may issue termination orders. Escorts terminate surveillance when directed by controlling agency. Pilots may terminate if conditions unsafe

- ***Restrictions***

- Escort a/c are restricted from proceeding inside the claimed territorial sea of a foreign country or 12 miles (whichever is less) or the Mexican border common with the U.S. without overflight clearance

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Hijack Procedures

- ***When notified that military assistance is needed:***
 - DDO, NMCC will determine if equipment needed is available from police or commercial sources.
 - If Not Suitable, DDO, NMCC will notify the appropriate unified command or USELEMNORAD, to determine if suitable assets are available and forward the request to the secretary of defense for approval.
 - If suitable assets from a unified command or USELEMNORAD are not reasonably available, the DDO, NMCC will coordinate with the appropriate military service operations center to provide military assistance.

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Hijack Procedures



Possible Scenario's (NAV CANADA)

9/11 Closed by Statute

Request armed intervention..

In-Flight emergency in addition
unlawful interference.

Situation desperate armed
intervention.

Do not intervene.

A/C subject to unlawful
interference but cannot talk
freely.

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Hijack Procedures

Pilot

- Squawk 7500
- Advise Center / Tower of situation

FAA Facility

- Advise FAA Command Center
- Advise Sector / Region AOC???

FAA/TC HQ

- Activate Hijack Coordinator
- Establish teleconference
- Request military assistance from NMCC/NDCC

NMCC DDO

- Forward request to SecDef for approval
- Authorize dirlauth with military unit ie AOC
- Directs CMOC CD to support mission

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Hijack Procedures

CMOC CD

- Directs appropriate Region to support mission
- Advise Center / Tower of situation
- Coordinate tanker support
- Monitor mission
- Keep NMCC/NDCC informed
- Notify NOC
- Coordinate with FAA Hijack Coordinator

Region / Sector

- Coordinate with FAA Center - Scrambles etc
- Forward tell tracks to AWC
- Coordinate placement/replacement of aircraft

FBI/RCMP

- ???

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Hijack Procedures

- **Teleconference (Established by FAA)**

- FAA Hijack Coordinator
- NMCC
- NDOC
- CMOC CC
- White House Situation Room
- FBI
- State Department
- Air Carrier Ops Center
- FAA Regional Office
- Air Route Traffic Control Center (ARTCC)
- Airport Traffic Control Tower
- Airport Security

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Discussion Items

- **Airspace/Control**
 - ALTRV
 - SIR
 - E-3 to E-3 handoff
 - FAA to E-3 handoff
 - MRU / ARU
 - Non-radar environment
 - Back-up plan for player actions
 - FAA to NAV Canada coord
 - Squawk 7500??
 - No notice vs Training

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Discussion Items

- **Agency Interaction**
 - FBI role
 - RCMP role
 - FEMA role
 - FAA Security
 - TC / NAV Canada
 - NMCC / NDCC
 - **Local airport / Law enforcement role**
 - Who talks to who
 - Who needs to be simulated
 - Who needs to be involved
 - Training Objectives
 - Level of play

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Discussion Items

- **Teleconference**
 - Procedures in place
 - Validating contact numbers
 - Duration (ie entire time of event)
 - Who will be involved and at what level

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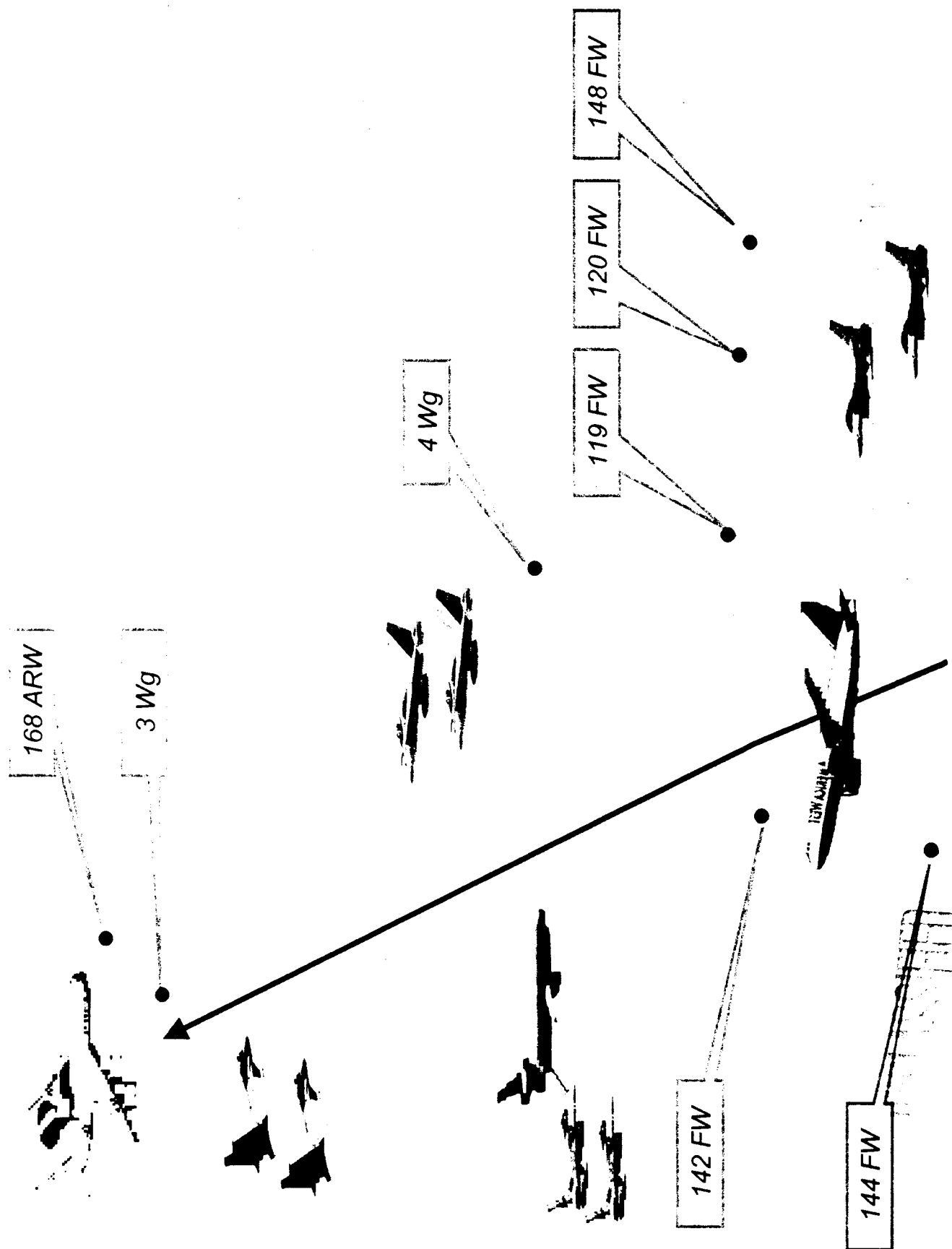
Discussion Items

- **Assets**
 - NORAD ASA
 - Additional Fighter resources
 - E-3
 - Tankers
 - STARTEX placement if required
 - Blue / Red SPINS
 - ATO
 - FBI/RCMP assets
 - Ground play ie CFR, ambulance etc
 - Combat Camera

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Discussion Items

- **MSELS**
 - **WNN Broadcast - tape coordination**
 - **Suspect background**
 - **Flight details (# pax etc)**
 - **Target instructions or player action??**
 - **WMD**
 - Small incident at MSP to validate threat
 - Terrorist threat inject

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Discussion Items

- **Control Structure**
 - **NECG at Peterson**
 - **Trusted agents for all participating agencies - location**
 - **ANR Control Cell**
 - **WADS Control Cell**
 - **CANR / 22 Wg Control Cell**
 - **Chat**
 - **Telephone list**
 - **Web page use**
 - **Teleconference monitoring**

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Discussion Items

- **Intercept**
 - **Flight Safety Concerns**
 - **Blue Spins**
 - **Frequencies**
 - **Links**
 - **Crypto**

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Discussion Items

- **Funding Issues**
 - **Concerns**
 - **Requirements**
 - **Airlift**

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Discussion Items

- **Simulations**
 - **Hijackers - FBI**
 - **Airline passengers - employees, outside invitation**
 - **Non-participating agencies**
 - Who are they
 - Who simulates them
 - Where are they located

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Discussion Items

- **Public Affairs**
 - **Combat Camera**
 - **Media Plan**
 - **Player Cooperation**

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Discussion Items

- **Future Considerations**
 - **MPC / FPC**
 - **Location - Peterson, McChord, Washington, Minneapolis**
 - **Frequency - 2 years**
 - **Link with FBI**

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Conference Schedule

As of 3 Jul 01

MARCH		APRIL		MAY		JUNE	
						AV 02 4 – 5 Exercise	
JULY		AUGUST		SEPTEMBER		OCTOBER	
						VO 02 MPC (23-25) AW 02 MPC AV 02 MPC Peterson	
NOVEMBER		DECEMBER		JANUARY		FEBRUARY	

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Deliverables

- **Training Objectives**
- **Phone list validation**
- **Funding Issues**
- **POC name, number, email**
- **Level of play**
- **ALTRV reservation**
- **Target instructions**
- **Blue Spins**
- **Control Structure**
- **MSELs**

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