



**Course Outline
for the
Orientation of a 3V051
Assigned to UTC 6KPWS**

**Day 1 – Overview of Intelligence System Architecture and Video Source
Familiarization**

- Aircraft Capabilities and Targeting Pod Display (8hrs)

Day 2 – Intelligence Integration and Practice

- Intelligence Data Flow (4hrs)
- Software Application Practice (4hrs)



Welcome to the 10AF/IN Intel Systems and Applications Center (ISAAC)

Hosted by the 944FW/302FS
Capt Eric Jameson, Program Manager



- Class starts at 0800
- Coffee will be available at 0730
- Attached is a map of Luke AFB. Map shows the route from billeting to bldg 976

Day 1 Curriculum:

- Overview of Intelligence System Architecture and Video Source Familiarization

0800 – 0900:

- Introductions:
 - **GOAL** - To provide Orientation for a 3V051 to work effectively in an Intel Section in relation to the Weapons System Video program
- Administrative: Vault & Security Clearance check
- Tour of Facility

0900 – 1000:

- Combat Aircraft with Weapons System Video Capability Overview:
 - F16 (Blk. 30,40,50)

1000 – 1015: Break

1015 – 1130:

- Combat Aircraft with Weapons System Video Capability Overview:
 - F15E, A10, F117, F18

1130 – 1300: Lunch

1300 – 1400:

- LANTIRN Targeting Pod Display

1400 – 1415: Break

1415 – 1500:

- LITENING Targeting Pod Display

1500 – 1515: Break

1515 – 1600:

- Introduction to Intelligence Section activities

1600-1630: Daily Wrap-Up/Summary

Day 2 Curriculum:

- Intelligence Integration and Practice

0800-0900:

- Review of Day 1 curriculum

0900 – 1000:

- Overall Intelligence Architecture in relation to Weapons System Video

1000 – 1015: Break

1015 – 1100:

- Integration of Weapons System Video into Squadron level Intelligence Processes

1100 – 1200: Lunch

1200 – 1600:

- Software Application Practice (breaks as required)

1600-1630: Course Wrap-Up/Summary

A properly trained 3V051 in an Intelligence Section should be the focal point for effective video capture. They should also be able to understand what they are viewing and be able to title and catalog video in such a manner as to free up Intelligence personnel to accomplish Intelligence functions.

GRID
Degree Degree Seconds degree minute second
Degree { 361530.240 N / 114234.750 W

3615.504 N 14

Turn into decimal

Intell XGO —

Suggestions - Have Multimedia
Make more slides for you.

.MPG - 4MB
WNV - Windows 12016

WNY is too compressed for PA
on release -

ATO - ① Frag

- Mission ② Planning

③ Briefing

④ Premission Brief (all info - put together)

ATO Night ~~to~~ before

Mission Planning

5 minute Brief

Prepare Brief

(summary of the Brief)
1 talk about
Targets
Threats
Escape ~~to~~ ^{EVASION} & recovery
E.E.I.'s - Any information we may need to know) are there more enemy etc - current INTEL

4/6 G-S hours
Debrief

MISREP w/WSV
- Send MISREP

Step Brief -
Stepping into the 1st brief (has anything changed)

4/6 Missions per day -
if you may just get a tasking -

LANTIRN

The FLIR has 3 modes—

has different views such as a digital camera.

25,000 feet is the max for the laser — it turns off at that point

13.2 nautical miles limit for slant range—

GPS weapon is not the most precise weapon — ~~the~~ laser is more so.

LITENING II

better made by Swathair

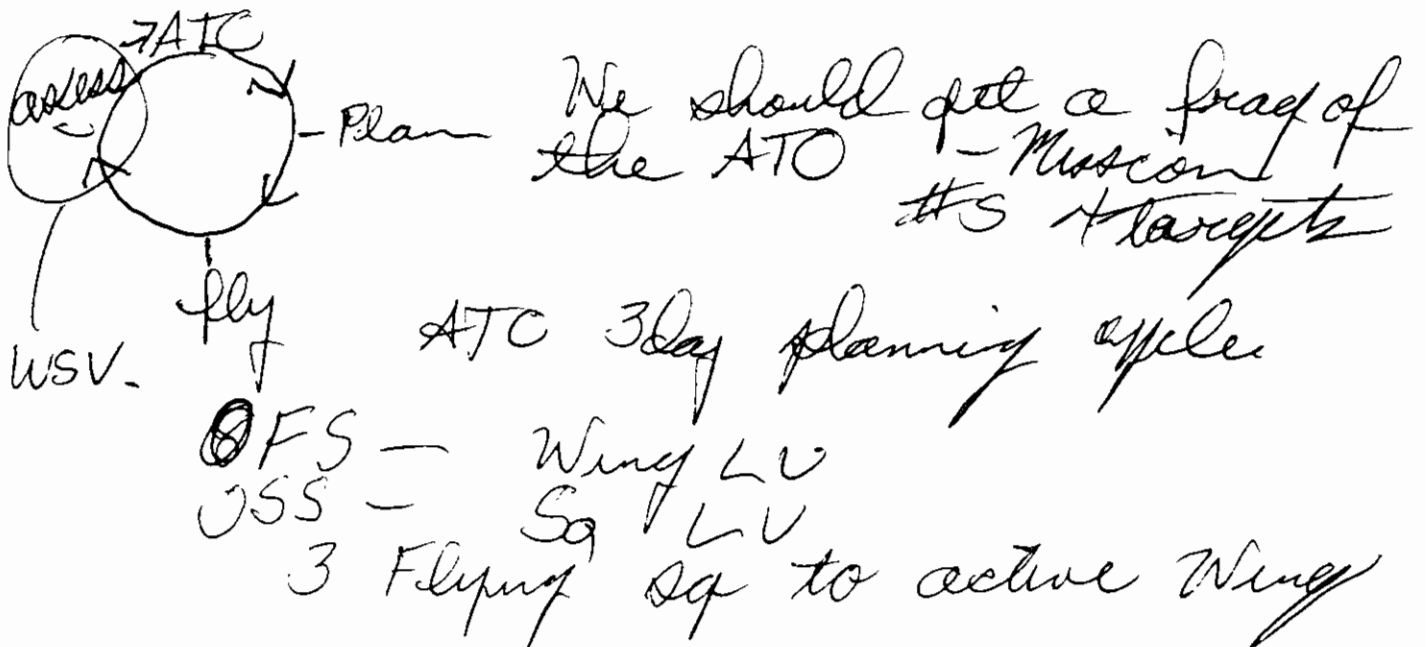
- LSS/LST Laser Spot Search Tracker
- When someone else spots for you.
- Laser Marker when you have other folks that can see your target

Intelli Shop
ATC - Air Tasking Order

Wing
 OSS - Operation support flight / Sq
 OSF

Squadron Level
 IN function {
 DO1 - (Works for flyers)
 IN - (Works for Command)
 OFFICE SYMBOL —

We work at the Squadron (ftr)
 Level Contingency —



Review

IR

CCD

EO

CA Babelity

ELECTRO Optics

Charged Couple Device

(10 at 15 AAC, Luke, AF, 5 MIL, MIL —)

LA T

LIGHTNING

Mode
Polarity
Wrench

Layan

Layan Mangnuf

Impact time

if we have left from DS is
the tapes sent to HQ -

29 Cosavo - Navy footage -

3 months after this solution -

Charter is Video Clip. -

Unit Type Code =====

Roles & Responsibilities

You Cannot Make Mistakes -

Wrong titles
Wrong Co-ordinators -

Make Copies for Pilots -

MISREP Training - //

Com Creates Central Server -

* Remember outside of the
Intell world they are useless -

WSU 6 March 06 13th AF

Make yourself useful —

SSgt Vega — Army 10015
Ann Log — ~~USMC~~
Sumington — USMC

Ultra
— provide comfort

—

HUD Heads up Display

Used to be Control Camera —

Unit Level

{ MISREP Mission Report —

...til does own you on Deployment
MOA -
Look at the Video - the entire
video

i Missrep for the entire fight
Start & Stop ~~sign~~ times -

* (BT - is wrong - says you
will HAVE the MISREP before
deputizing - INTEL is working
on MISREP while you are
working clips. working clips.)
(* Add FLIR - to Mix)
We revolve around targetting Pod -

- ② LISTENING POD
- ① LANTIRN POD
- ③ SNIPER POD

FLIR

forward looking infrared
Reading

Thermal Crossover - When ground
& air temperature ~~the same~~
SLANT Range
Distance - slant range
Statistical Miles are used

LANTERN
LIGHTNING

ATP, Advanced targeting pod.
— SAME AS SNIPER
EO IR

Need to guide for at
least 8 sec & probably 10-15

LANTIRN - old IR for day &
Night

LITENING II Camera & IR

ADP ~~AFD~~ (SNIPER) good better
active only.

F15C = Air Air only
F15E - Both ———

F117 - stuff (JUST FLIR)

CCD Shadows can be seen —
for μ sec seconds of trigger
time —

CCD Daylight better — do
not count the BHOT — WHOT —
Mode
Polarity
Lapoff — Lock
Distance