



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.

Degree' { GRIDE
Degree' seconds
3615'30.240 N / 1142'34.750 W
Degree' minute' second'

3615,504 N 14

Turn into
decimal

Intell X60 —

Suggestions - Have Multimedia
Make more slides for you.

.MPG - 4MB
WNV - Windows 128K

WNV is to compressed for PA
or release -

ATO - ^①frag

- Mission ^②Planning

^③ Briefing

^④ Mission Brief (all info - put together)

ATO Night ~~before~~ before

Mission Planning

5 min ^{pre} Brief

Prepare Brief

Summary of the Brief

Tasks about

Target

Threats

Escape & ^{EVASION} recovery

E.E.'s - Any

information we
may need to know
and other more
enemy etc -
current INTEL

~~fly C-8 Shows~~

Debrief

MISREP w/ WSV

- Send MISREP

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

4/6 Missions per
day -

you may just get a tasking -
of

LANTERN

The FLIR has 3 modes —
has different views such as
a digital camera.

25,000 feet is the ~~max~~ for
the laser — it runs 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.

LETHING II

better made by Trakkz

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

Intelli ATC - Shop Air Tasking Order

Wing OSS - Operation support flight / 54
OSF

We work at the ~~squadron~~ (ftc)
level
Contingency —



assess - Plan
We should get a copy of
the ATO - Mission
ITS Targets

WSV. fly ATC 3 day planning cycle
256

QFS - Wing Lv

55 - Sg L V

3 Flying Sq to active Wing

Review

IR

COD

EO

CABability

ELECTRO Optics

Charged Couple Device

(10af Isaac. Luke, AF.smith.mil —)

Light

LIGHTING

Mode

Polarity

Touch

Rayan

Rayan Kanchan

Impact time

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

79 Kosovo - Navy footage -
3 months after this solution -

Charter is Video Clip. -

But Type Code ~~====~~

Roles & Responsibilities

if you Cannot Make Matches -

Wrong titles

Wrong Co-ordinates -

Make Copies for Pilots -

MISREP - //

Com Creates Central Server -

* Remember outside of the
Intell world they are useless -

WSU 6 March 16 13th AF

Make yourself useful -

SSgt Vega - Army 10015
Amm Ldg - ~~10015~~
Domington - USMC

^{extra}
Provide Comfort

??

HUD Heads up display

Used to see Combat Camera -

Unit Level

MISREP Mission Report

{

...Til does own you on Deployment
MOA - Look at the Video - the entire
videos

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

BT - is wrong - says you
will HAVE the MISREP before
deftaping - Intel is working
on MISREP while you are
watching clips.
(Add FA17 - to fix)

We revolve around targeting Pod -

- ② LITENING POD
- ④ LANTIRN POD
- ③ SNIPER POD

FLIR

forward looking infrared

Thermal Crossover - When ground
& air temperature ~~the same~~ ^{Reading}

Distance - ~~Short range~~ ^{SLANT Range}
Nautical Miles are used

LANTERN
LIGHTNING

ATP. Advanced targeting pod.
EJ SAME AS SNIPER
IR

Need to guide for at least 8 sec & probably 10-12

LANTERN - old IR for day & night
LIGHTNING II Camera & IR

ADP ~~AED~~ (Sniper) good better
active duty

F15C = air air only
F15E - Both -

F117 - stuff (JST FLIR)

CCD Shadows can be seen —
for ~~8~~ seconds of trigger
time —

CCD Daylight better — Do
not count the BHOT-WHOT —
Mode
Polarity
Kopaff - Hoch
Distance