



THE POLISH AIR FORCE ACADEMY



INFO-BRIEFING

30.08.2016

THE POLISH AIR FORCE ACADEMY



THE PRESENTATION AGENDA



- ▶ The Polish Air Force Academy history
- ▶ PAFA structure
- ▶ Academic Air Training Centre (AATC)
- ▶ Tactical Air Control Party Training Centre (TACP TC)
- ▶ Air Traffic Controller Training Centre (ATC TC)
- ▶ Pilots training system
- ▶ The 4th Air Training Wing – general info
- ▶ Future possibilities

PAFA history



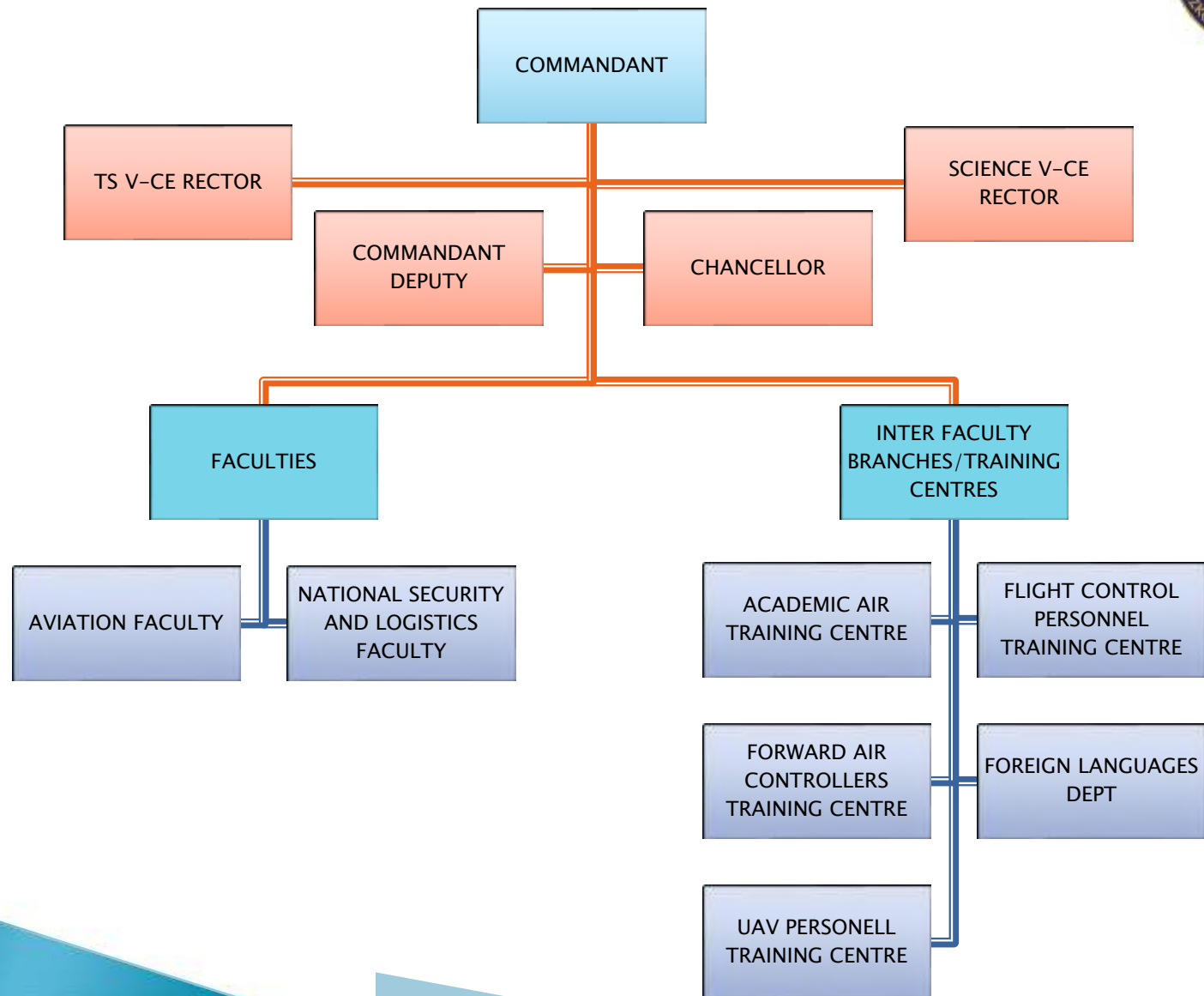
| | |
|-----------|--|
| 1921 | Air Force development concept, mod |
| 1925 | Air Force Training Centre est. in Grudziądz |
| 1927 | AF Training Centre transfer to Dęblin |
| 1927–1939 | Training activities provided to the Polish MOD at Dęblin |
| 1939–1945 | II WW |
| 1945 | AF Training Centre restoring |
| 1947–1968 | New structure of the Training Centre. Transfer to Officers School structure and responsibilities |
| 1968 | Higher Education Institution status awarded |
| 1994 | New organisation and name change |
| 2005 | Institutional transfer under dual mod/civilian gov. control |
| 2005–2013 | PAFA functions as academic level higher education institution providing knowledge and expertise to officer cadets and civilians (2009) |



OUR PLACE IN THE ARMED FORCE STRUCTURE



PAFA STRUCTURE



AVIATION FACULTY

MILITARY STUDY



AVIATION AND AERONAUTICS

ENGINEERING STUDIES (I LEVEL STUDIES)

MASTER STUDIES (II LEVEL STUDIES)

- pilotage (JET, CARGO, HELI)
- air rescue officer
- staff officer
- flying navigator
- UAV operator

NAVIGATION

ENGINEERING STUDIES (I LEVEL STUDIES)

MASTER STUDIES (II LEVEL STUDIES)

- airport infrastructure exploitation
- ATC

AVIATION FACULTY

CIVILIAN STUDY



AVIATION AND AERONAUTICS

ENGINEERING STUDIES (I LEVEL STUDIES)

- pilotage
- avionics
- UAV

MASTER STUDIES (II LEVEL STUDIES)

- aircrafts exploitation

NAVIGATION

ENGINEERING STUDIES (I LEVEL STUDIES)

- airport infrastructure exploitation
- ATC

NATIONAL SECURITY AND LOGISTICS FACULTY

CIVILIAN STUDY



NATIONAL SECURITY

ENGINEERING STUDIES (I LEVEL STUDIES)

- airport security and protection
- security management in aviation
- citizens and infrastructure protection
- crisis management

MASTER STUDIES (II LEVEL STUDIES)

- airport security and protection

LOGISTICS

ENGINEERING STUDIES (I LEVEL STUDIES)

- aviation logistics
- military logistics

NUMBER OF STUDENTS





THE POLISH AIR FORCE ACADEMY

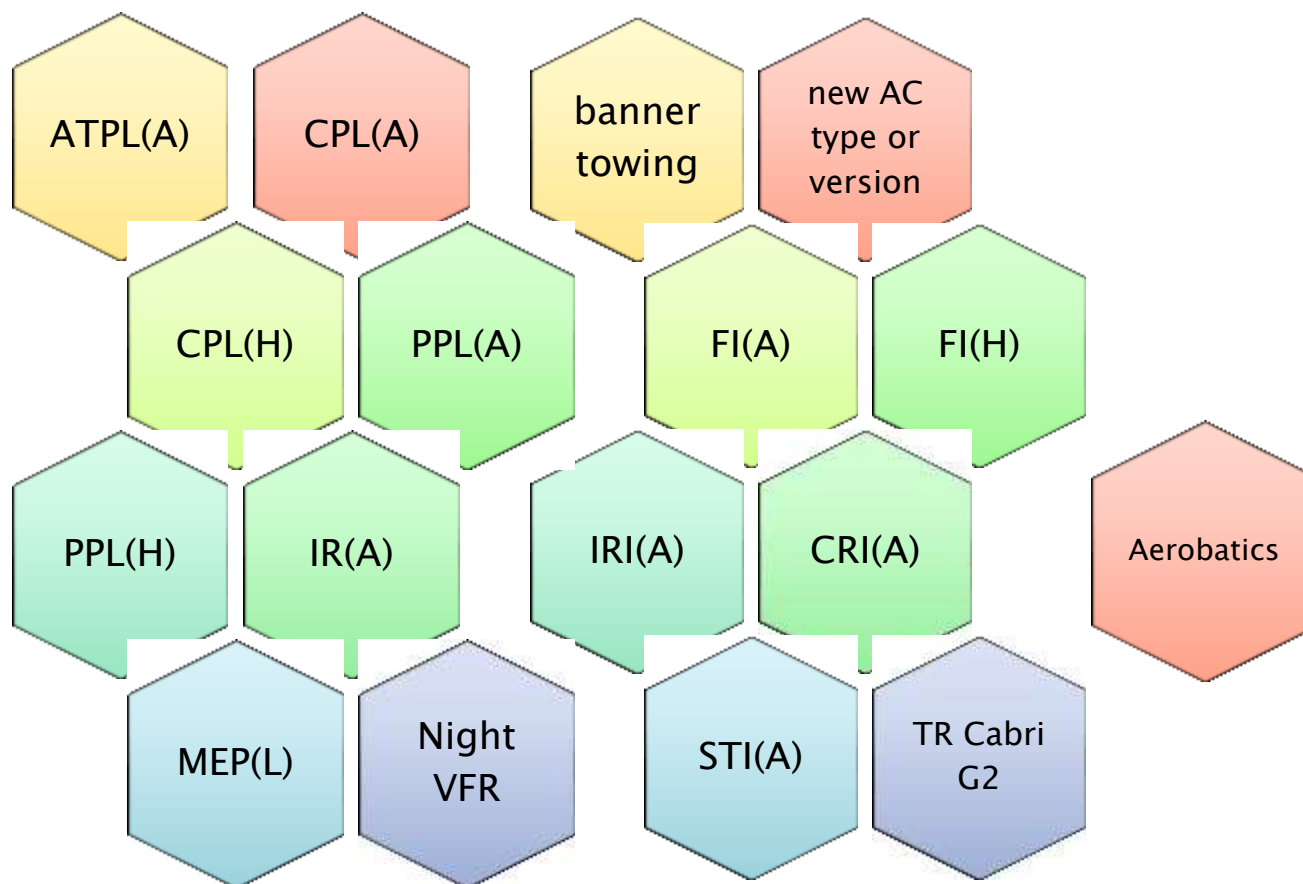


ACADEMIC AIR TRAINING CENTRE

SCOPE OF TRAINING COURSES IN AATC



Theoretical and practical training for:





TRAINING TOWARD ATPL(A)

- PPL
DIAMOND
DA20
- 50 h

Phase I



- CPL/IR
ZLIN 143 LSi
- 105 h

Phase II



- CPL/IR, ME
DIAMOND
DA42
- 45 h

Phase III



- ATPL(A)
frozen
- Theoretical
training

Phase IV



- 200 h

Total

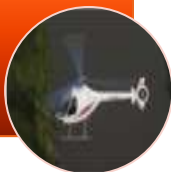


TRAINING TOWARD CPL(H)



- PPL(H)
GUIMBAL G2
- 50 h

Phase I



- CPL(H)
GUIMBAL G2
- 135 h

Phase II



• 185 h

Total



FLEET



Zlin 242 L



Zlin 143 LSi
(x2)



Guimbal G2
(x8)



Diamond
DA-20
(x8)



Zlin 526



Diamond
DA-42



An 2



OVER 25 TRAINING DEVICES



TRAINING AGAINST TRAVEL SICKNESS AND FOR IMPROVEMENT OF COORDINATION

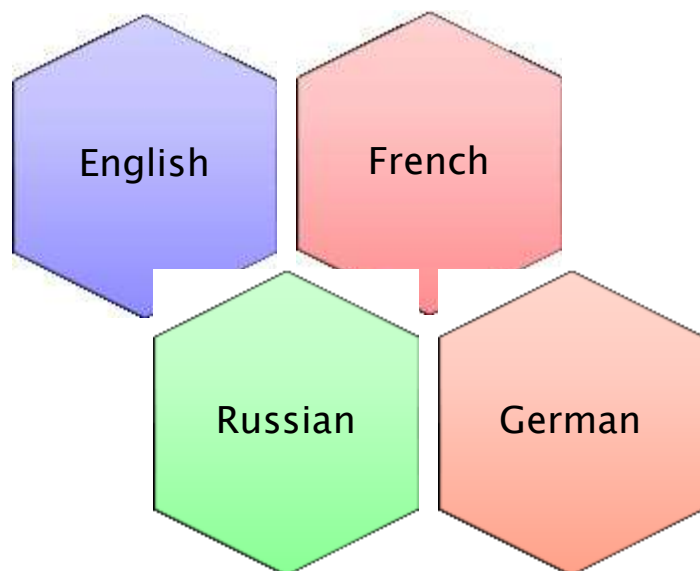




Foreign Language Center

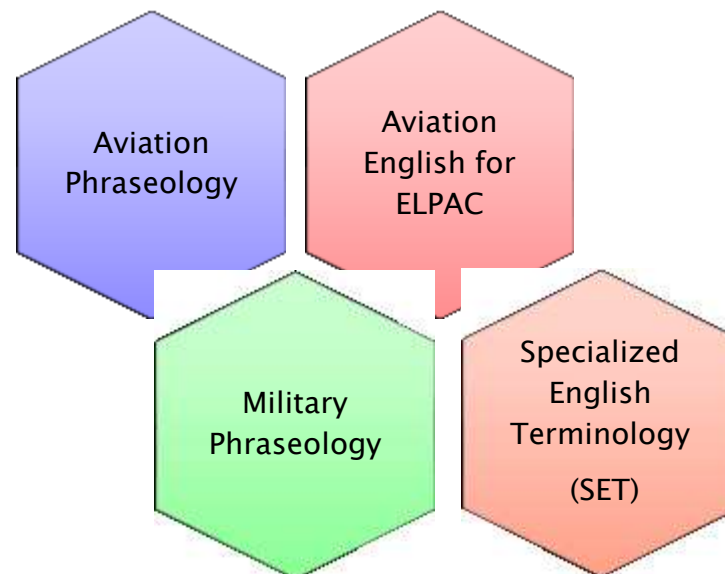
Academic Training

Offer for civilian and military students



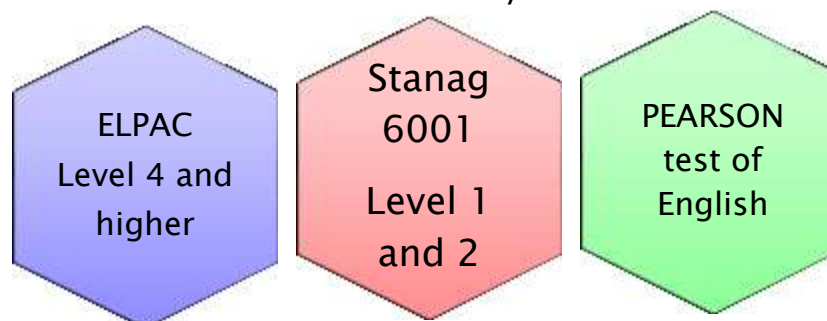
Specialized Training

Offer for military students



Certification

Offer for civilian and military students

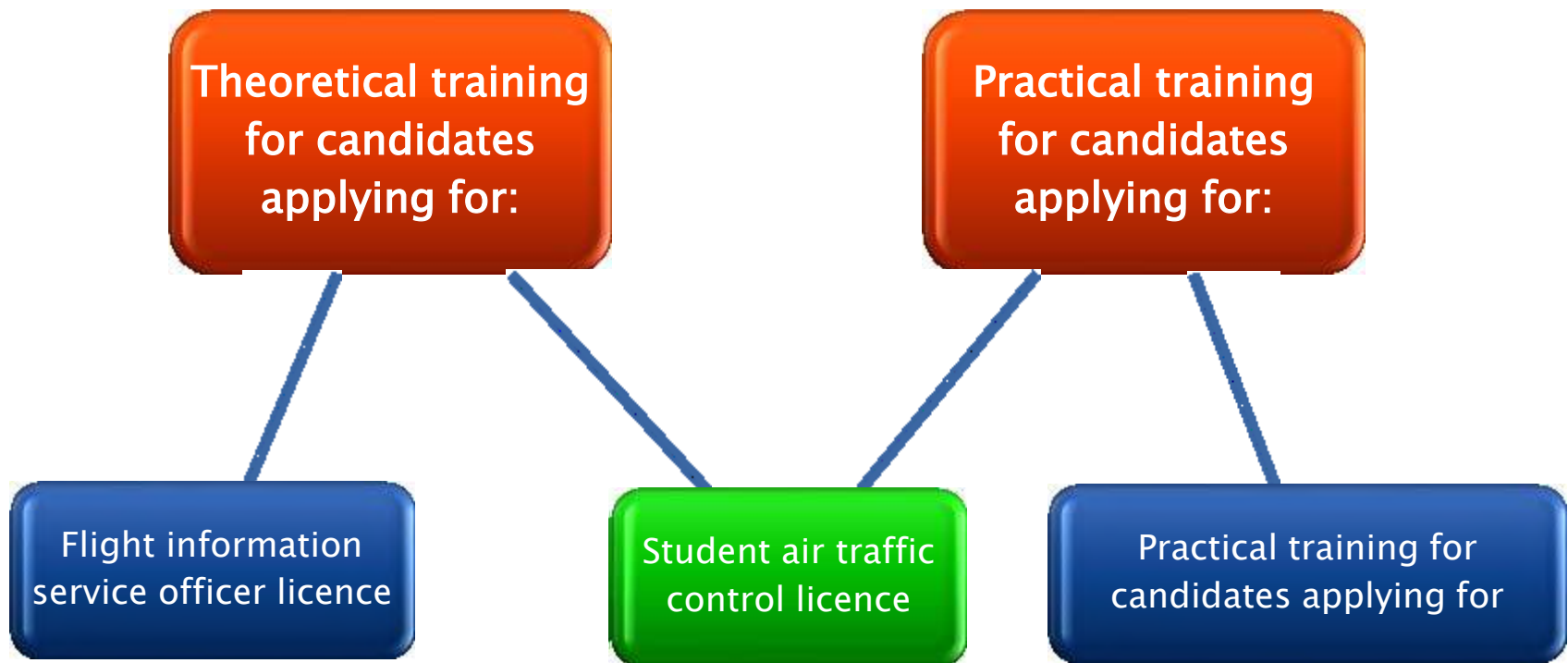


The Aviation Training Centre for Air Traffic Services

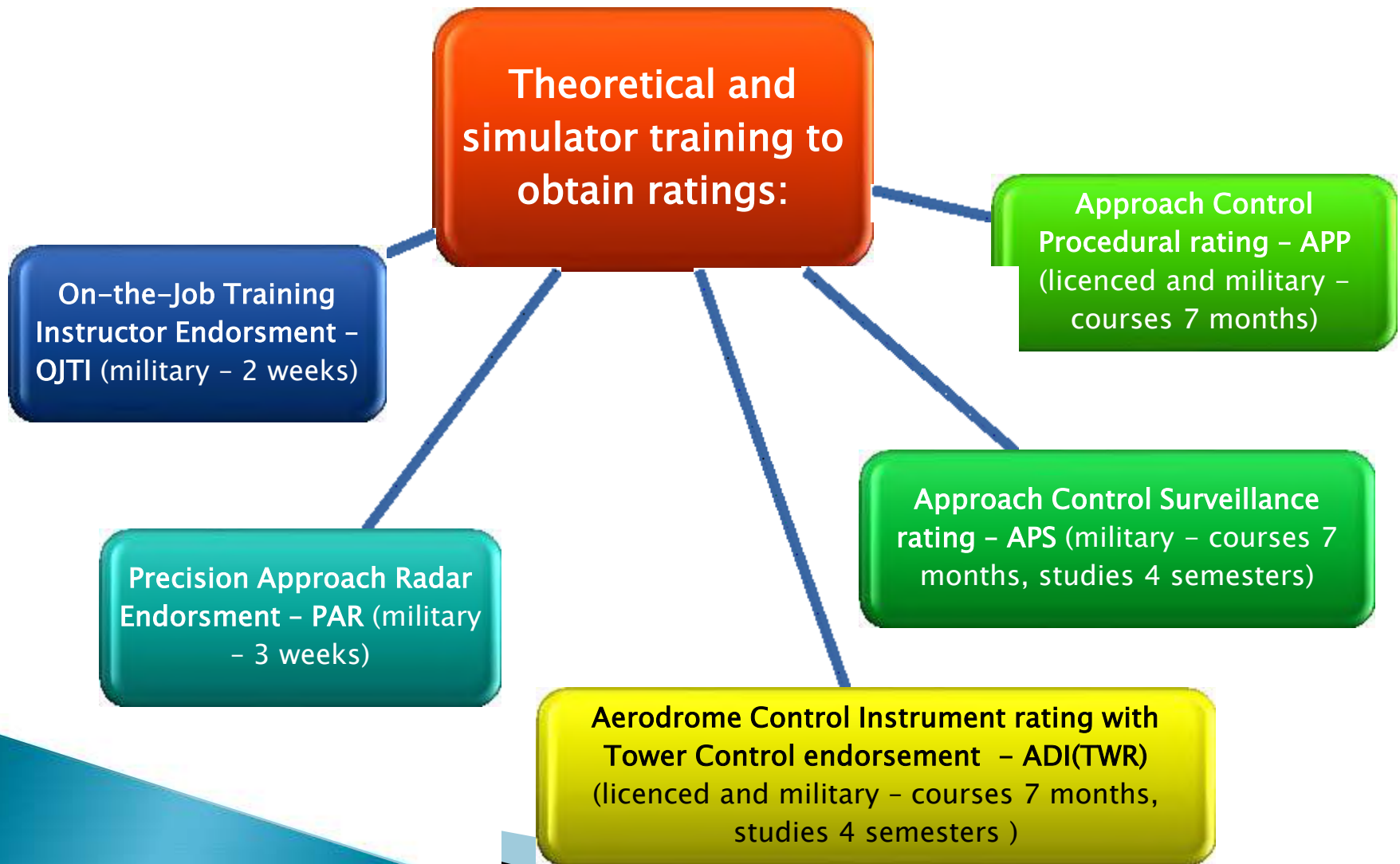


The Centre carries out its training and educational activities according to National Aviation Authority Certificate and ICAO standards

Aviation training in CAPTO



Aviation training in CAPTO



Tactical Air Control Party Training Center



TASK

To provide complex training according to the NATO/US standards* for ground personnel (JTAC/TACP, JFO) and aircrews engaged in Joint Fires operations (CAS, CCA, CFF).

- *STANAG 3797(ATP-3.3.2.2)/JCAS AP MoA

Courses in TACP TC



JTAC IQC (NATO/US
accredited 20 April
2014+36 months)

CAS for pilots

Air Comms /CAS
Phraseology

National Fire
Observer
(cooperation with
CSAiU)

JTAC methodology

TACP personnel

JTAC IQC



Exclusively in English (Level 3,3,3,2 required)

4 weeks lectures/equipment/sim

2 weeks TS-11 /Mi-2 day/night/dry/live
– LPW Jagodne

1 week F-16/Su-22 day/night/dry/live
– CPL Nadarzyce

1 week RW/FW+CFF integration
– Toruń

UAV TRAINING CENTER



PRESENT TASKS

- Theoretical courses
- Simulator training for pilots
and operators
- Basic UAV flight courses
- Personnel examination
and certification

FUTURE TASKS

- Candidates selection
- Instructor courses
- Advanced personnel courses
- Flying targets courses





UAV TRAINING CENTER

VBS3 (VIRTUAL BATTLE SPACE 3rd GENERATION)

/FULLY INTERACTIVE, THREE DIMENSIONAL TRAINING SYSTEM/

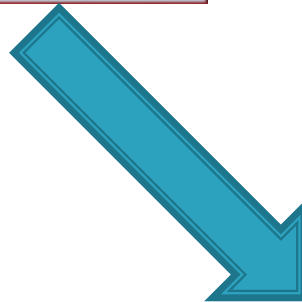
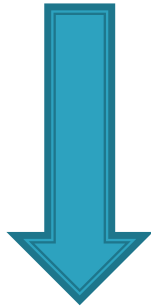
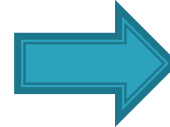
- MISSION SCENARIO
- TACTIC TEAM TRAINING
(HIGH LEVEL OF REALISM)
- REAL TIME EDITOR OF MISSION
- AFTER ACTION REVIEW



UAV TRAINING CENTER



PROCEDURAL SIMULATOR
CLASS PC (GENERIC)



**MODERN AVIONICS SYSTEM GARMIN G-1000
IMPLEMENTED**



The 4th Air Training Wing

GENERAL STRUCTURE OF THE 4th AIR TRAINING WING



4th Air Training Wing HQ
Dęblin



41st Air Training Base
Dęblin



42nd Air Training Base
Radom



4th Air Training Wing Units location



Organize flight training for The PAir Force Academy cadet-pilots by 41st and 42nd Air Training Base and supervising this process

4th Air Training Wing



Exceptional task of The 4th Air Training Wing is to represent the Polish Air Force at international air shows.



CADETS' AIR TRAINING



PRACTICAL AIR TRAINING at The 4th Air Training Wing





MILITARY TRAINING AIRCRAFTS



PZL-130 ORLIK





SELECTED BY

- Italian AF
- United Emirates AF *
- Republic of Singapore AF **
- Israeli AF **
- Polish AF **

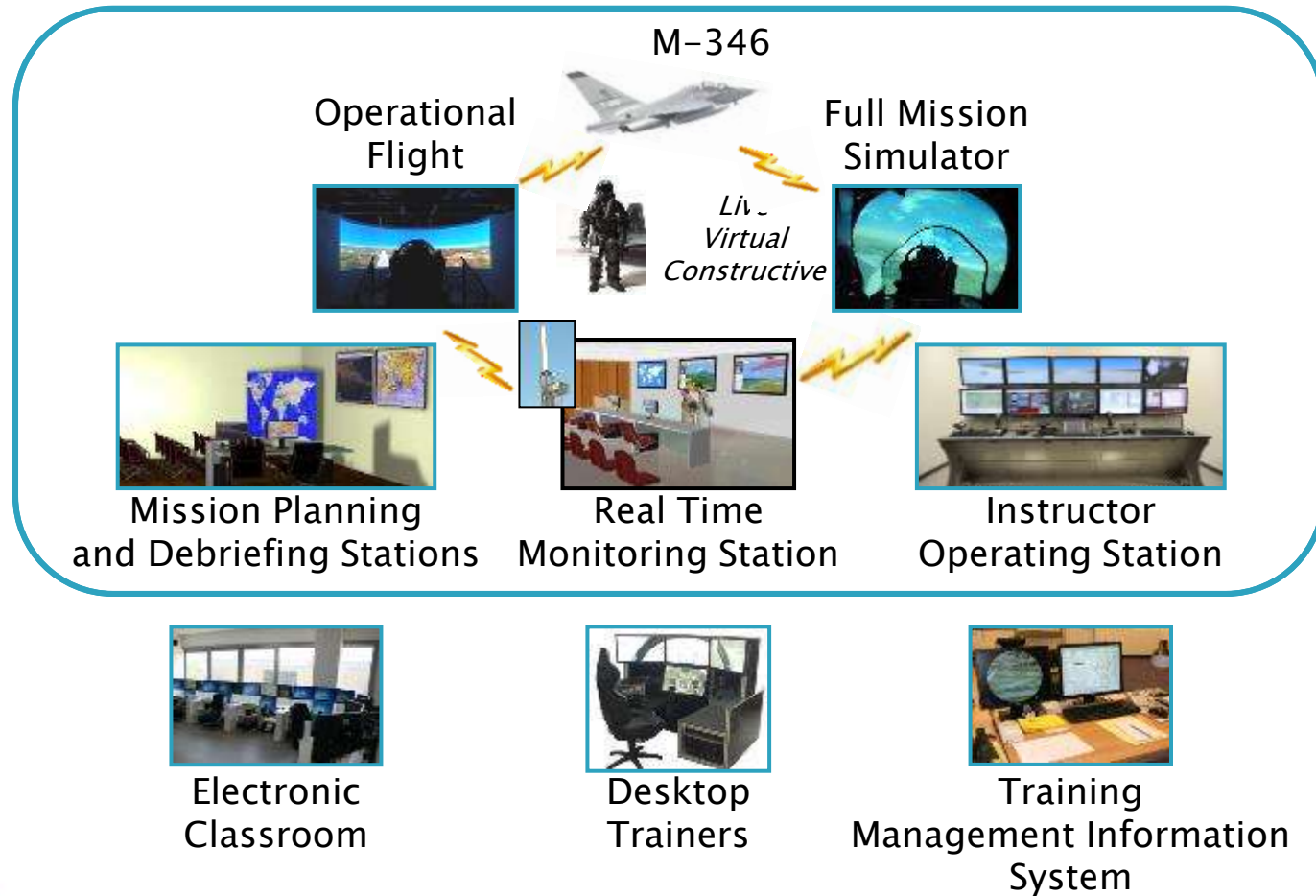
* F-16 Blk 60 operator

** F-16 Blk 52 + operators



M-346 Integrated Training System Concept

GBTTS Components





M-28 BRYZA



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AIRLINERS.NET

SW-4 PUSZCZYK

FUTURE POSSIBILITIES



STEP I

- Multinational specialised training
- ERASMUS intensive participation

STEP II

- Exchanges of students for air training

STEP III

- Exchanges of teachers and instructors

INTERNATIONAL
TRAINING
CENTRE



POLISH AIR FORCE ACADEMY

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