AIR POWER FOR JOINT AND COMBINED OPS
JOINT AND COMBINED EXERCISES FOR AIR POWER

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AGENDA

1. AIM
2. AIR POWER CONTRIBUTION TO CURRENT OPS
3. WHY JOINT AND COMBINED EXERCISES
4. REFERENCES (CONCEPTUAL AND NORMATIVE)
5. CASE STUDY: «AIR POWER CENTRALITY IN JOINT STAR 17»
6. CPX/CAX VS LIVEX JOINT
7. JOINT EXERCISE CONTRIBUTION TO AIR POWER
8. WRAP-UP
Air Power fundamental contribution to current operations

How joint and combined exercise contribute to consolidate its role
**COI CURRENT OPERATIONS**

**HOMELAND OPS**
- **10000**
  - STRADE SICURE
  - NATIONAL AIR DEFENCE
  - Op."SABINA"
  - Op."NAXOS" G7

**EUROPE**
- **550**
  - BOSNIA
  - NATO HQ SARAJEVO
  - NMLO BELGRADE
  - ALTHEA
  - KOSOVO
  - J. ENTERPRISE
  - EULEX
  - MACEDONIA
  - NLO SKOPJE
  - LETTONIA
  - TG BALTIC

**AFRICA**
- **850**
  - CENTRAL/WESTERN AFRICA
    - EUDEL LIBYA
    - TF IPPOCRATE
    - EUROP EUTM MALI
    - EUTM SOMALIA
    - INDIAN OCEAN HoA
    - BMIS DJIBOUTI
  - MFO-EGYPT
  - MINUSMA
  - EUTM MALI
  - MIADIT SOMALIA
  - MIADIT SICURO

**MIDDLE EAST 1400**
- **ISRAEL/PALESTINE**
  - TIPH2
  - MIADIT
  - LEBANON
  - UNIFIL
  - MIBIL
  - TURKEY
  - OP. SAGITTA

**ASIA**
- **2600**
  - IRAQ/KUWAIT/QATAR
  - 1^ PARTHICA
  - NTCB-I
  - AFGHANISTAN
  - RSM HQ
  - RSM TAAC W
  - UAE
  - TF AL MINHAD

**MEDITERRANEAN SEA**
- **1200**
  - EUNAVFORMED
  - MICCD
  - UNFICYP
  - M. SICURO
  - SNMCMG2
  - VIPE

**OPS:** 36
- **31 abroad** ~6600
- **5 homeland** ~10000
 **TPS:** ~16600
“With air superiority, everything is possible. Without air superiority, nothing is possible.”

“Airpower is Like Oxygen When you have enough, you don’t think about it, when you don’t have enough it’s the only thing you think about.”

Gen. Frank Gorenc
former AIRCOM
Core Air Power attributes:

- **Speed** military power to be projected rapidly and responsively
- **Reach** directly to a target or destination
- **Height** enduring military reality

The speed, reach and height of air power enable and enhance air power’s additional attributes of:

- **Ubiquity** create the sense of being everywhere all the time
- **Agility** air power’s agility stems from its responsiveness
- **Concentration** concentrate air assets in time and space to deliver military force when and where it is required
AIR POWER CONTRIBUTION TO THE OPERATIONS

STRATEGIC AIRLIFT
MEDEVAC/STRATEVAC
ISTAR
NEO

TACTICAL AIR LIFT
COIN/CLOSE AIR SUPPORT
JPR
METEO/SPACE WEATHER
AIR POWER

AIR SUPERIORITY

AIR INTERDICTION
Joint and Combined Exercises

- Enhance *Interoperability*
- Build common *Standards* (among procedures)
- *Maintain* capabilities
- *Train and test* «LAND MARITIME & AIR component» (within a complex scenario)
why Joint and Combined Exercises....

NATO CONNECTED FORCE INITIATIVES (CFI)

(SEcurity conference, Munich ‘12; CHICAGO conference, ‘12, NATO summit, whales ‘14)

Due to: contraction in military budget, different USA posture, «reduced operational tempo»

Aim: to assure high force readiness through an integrated exercise program (LIVEX focused) and mindset in order to transit from a Campaign-Oriented to Contingency-Oriented.

How: three Pillars: Expanded Education and Training, Increased Exercises, Better use of Technologies
REFERENCES

....why Joint and Combined Exercises....

ITA Armed Forces will implement CFI through:

• Major Component Exercises federation and merging

• NATO’s offer of a multiple «regional» exercises federation

• Collective training development as an integrated exercise result
CFI – national implementation

Exploitation
2015 - 2017

Consolidation
2018 - 2020

Expansion
2021 - 2023

Trial Period
2016 - 2018

Increased Exercise

REFERENCES
JOINT STARS 17
First CPX/CAX and LIVEX International Joint exercise

- Phase 1 (CPX/CAX) focused on AIR POWER in a joint scenario for a Theatre Ballistic Missile Defense (TBMD) environment
- Phase 2 (LIVEX) is the venue for National Joint Amphibious Forces IOC

AIR POWER needs to be APPLIED in conjunction with other components (JOINTNESS) in order to unleash all its potential
EXERCISE DESIGN 1/11

JS Phase 1 – CPX/CAX
Jun, 10-15 2017

EX VIRTUAL FLAG 17

AIR POWER

JOINT TARGETING

TBMD
1. ITA JFAC as JTF HQ for AIR HEAVY/TBMD Oriented SJO*

2. Exercise AIR POWER in a Joint and Combined environment

3. Seek ARMY SAMP.T and NAVY FREMM integration in order to exercise the integrated C2 among the three components’ anti missile systems

*SJO = Small Joint Operation
EXERCISE DESIGN 3/11

EXERCISE OBJECTIVE (1/2)

1. Conduct by ITA JFAC in the «twin» role of JTF HQ and ACC (Air Component Command) in order to train C2 and execute an Air Heavy campaign

2. Develop the national TBMD capability

3. Develop and test TARGETING process (selection and prioritization – Phase 1)
4. Integration, interoperability and standards among the exercised Joint and Component Commands (Phase 1 and Phase 2)

5. To achieve synergy and optimize resources during both planning and conduct phase (1 & 2) in order to support situational awareness and decision making process at **Operational Level**
EXERCISE DESIGN 5/11

EXERCISE LOCATIONS - PHASE 1

Poggio Renatico
EXCON, PTA

Mantova
SAMP/T

Gioia del Colle
AN/TPS-77 + Mod. C2 TBMD

Taranto
ORIZZONTE class
FREMM/MARICEN PROG
Coordinated Serialized Field Training Program
Coordinated Interactions
C2 systems
AIR, maritime
SAM assets playing in a realistic EW scenario

+ Joint Amph Forces IOC
EXERCISE DESIGN 7/11

PHASE 2 – JOINT ASSETS

- ITA Joint Operations Command (COI)
- Italian Joint Force Headquarters (ITA-JFHQ)
- Salto di Quirra Range
EXERCISE DESIGN 8/11

PHASE 2 – ARMY ASSETS

SPECIALIZED COMPONENTS FROM:

- COMANDO ARTIGLIERIA CONTROAEREI (COMACA)
- BRIGATA POZZUOLO DEL FRIULI
- RGT LAGUNARI “SERENISSIMA”
- 3° RGT GENIO GUASTATORI
- 17° RGT ARTIGLIERIA CONTRAEREI “SFORZESCA”
- RGT ARTIGLIERIA A CAVALLO “VOLOIRE”
- RGT “GENOVA CAVALLERIA” 4°
- 5° RGT AVIAZIONE DELL’ESERCITO “RIGEL”
- CAPO TEULADA RANGE
EXERCISE DESIGN 9/11

PHASE 2 – NAVY ASSETS

NAVAL FLEET COMMAND IN CHIEF (CINCNAV)

- ITALIAN NAVY VESSELS AND SUBMARINES
- AV-8-B AIRCRAFT AND HELICOPTERS
- SAN MARCO MARINA BRIGADE
EXERCISE DESIGN 10/11

PHASE 2 – NAVY AND AMPH ASSETS

- COMANDO FORZE ANFIBIE / BRIGATA MARINA SAN MARCO (BMSM)
- CENTRO DI INTEGRAZIONE ANFIBIA (CIA)
- DESIGNATED AMPH ASSETS
EXERCISE DESIGN 11/11

PHASE 2 – AIR ASSETS

COMANDO OPERAZIONI AEREE (COA) P. RENATICO

AIR FORCE C2 AGENCIES:
- RMCC (Bari Palese deployed in Trapani AFB)
- 22° GRAM (Licola)

DESIGNATED AIR FORCE BASES
- PISA (46° Brigata Aerea)
- Grosseto (4° Stormo)
- Amendola (32° Stormo)
- Trapani (37° Stormo)
- Sigonella (41° Stormo)
- Decimomannu Airport
- Capo Frasca Range

AIR FORCE ASSETS (Combat, CS, CSS):
- SPADA BTRY, FUCILIERI, INCURSORI
JOINT CPX/CAX PERSPECTIVE

- Possibility to train Scenario during Crisis/Conflicts that cannot be replicated in reality

- Tailored to evaluate and exercise Operational AIR C2 with the generation of hundreds of daily air sorties (not feasible in a LIVEX)

- C2 over other components’ assets

- Possibility to test JFAC at operational level in HEAVY AIR campaign

- Cheaper
CPX/CAX VS LIVEX JOINT

JOINT LIVEX PERSPECTIVE

- More emphasis on assets
- Integration of TTPs
- REALISM (Train As You Fight and Fight as you Train)
- Venue to train & test tactical level of:
  - AIR POWER
  - Maneuver
  - Force Generation capability
  - AFB capability to support and sustain a Joint Campaign
1. Integration, C2 over other components’ air assets which contribute to AIR POWER:
   • SAM system
   • Combat Air e RW
   • JPR
   • ADS ship
   • Ranges
   • Combat Support and Combat Service Support assets

   (...more realism)
2. Resources optimization

3. Vertical and horizontal interaction (Joint Command and «sister» Command – JFC, JFHQ, LCC, MCC)

4. Experimental common objectives

5. Development of common Doctrine and Procedures

(...more realism)
WRAP-UP

JOINT/COMBINED EXERCISEs and AIR POWER

“how to do better with less in a different way”
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JOINT AND COMBINED EXERCISES FOR AIR POWER

Questions ?