



FLEXIBLE USE OF AIRSPACE AND IAF

FLEXIBLE USE OF AIRSPACE

- INTRODUCTION
- INDIAN AIRSPACE SCENARIO: IAF PERSPECTIVE
- CONCEPT: FUA
- IAF ROLE IN IMPLEMENTATION OF THE CONCEPT
- A FEW CONSTRAINTS
- WAY FORWARD
- CONCLUSION

INDIAN AIRSPACE SCENARIO: IAF PERSPECTIVE

- PRIMARY STAKE HOLDERS: IAF AND AAI
- IAF CHARTER FOR AIR DEFENCE AND TRAINING
- AAI CHARTER FOR COMMERCIAL AIR NAVIGATION
- NEED FOR OPTIMUM UTILISATION OF AIRSPACE

CONCEPT: FUA

➤ BASED ON THE PRINCIPLE THAT AIRSPACE SHOULD NOT BE DESIGNATED EXCLUSIVELY AS MILITARY OR CIVILIAN, BUT AS A CONTINUOUS SPACE THAT MEETS THE REQUIREMENTS OF ALL USERS TO THE EXTENT POSSIBLE. IMPLEMENTATION OF FUA WILL RESULT IN DYNAMIC FLIGHT PLANNING, REDUCED FUEL CONSUMPTION AND OPERATING COST ALONG WITH CONSEQUENT REDUCTION IN CARBON FOOTPRINT.

EXISTING AIRSPACE SCENARIO

- INCREASE IN AIRSPACE REQUIREMENTS FOR CIVIL AVIATION
- CHANGES IN IAF's REQUIREMENTS WITH THE CHANGES IN STRATEGIC MILITARY SCENARIO
- DYNAMIC AIRSPACE REQUIREMENTS HAVE RESULTED IN CONGESTION
- REORGANISATION OF AIRSPACE MANAGEMENT PRINCIPLES IS NECESSARY

ROLE OF IAF

- EXISTING RESTRICTED AREAS OF IAF RETAINED
- FUTURE REQUIREMENTS OF IAF WOULD BE AS TRAs OR TSAs
- IMPETUS ON SURVEILLANCE COVERAGE THROUGH SHARING OF RADAR DATA
- SETTING UP OF JOINT CIVIL-MILITARY AIRSPACE MANAGEMENT CELLS AND FLOW MANAGEMENT CELLS

ROLE OF IAF

- TRAINING AND ENHANCED INTERACTION BETWEEN CIVIL AND MILITARY AUTHORITIES
- FUA TRAINING CLASSES FOR IAF ATC OFFICERS HAVE COMMENCED
- EXISTENCE OF IAF CONTROLLED AIRSPACES NECESSITATES CONCILATION BETWEEN IAF AND CIVIL AVIATION REQUIREMENTS
- FINALISING THE ROUTES AS CDRs, WITH LEAST POSSIBLE DEVIATION, IS UNDER EVALUATION

MINOR CONSTRAINTS

- **IAF FLYING IS DYNAMIC IN NATURE AND OFTEN HIGHLY INTENSIVE**
- **REQUIRES HUGE VOLUMES OF AIRSPACE**
- **TIME MANAGEMENT AND COST OF OPERATIONS ARE CRITICAL TO THE STREAMLINED AND ORDERLY CIVIL TRAFFIC**
- **CO-ORDINATION REQUIREMENTS, ESPECIALLY FOR THE REGULAR MILITARY SPECIAL EXERCISES HAVE GONE UP**
- **WILLINGNESS TO ACCEDE TO EACH OTHER'S REQUIREMENTS ENSURED PEACEFUL AND SAFE CO-EXISTENCE**

WAY AHEAD

- **SUCCESSFUL CO-EXISTENCE**
- **ADDRESSING EACH OTHERS CONCERNS TO REDUCE DELAYS**
- **PLAN FOR PROFESSIONAL INTERACTION BETWEEN CIVIL & IAF PERSONNEL**

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