



IFATCA

TOC 2023-2024



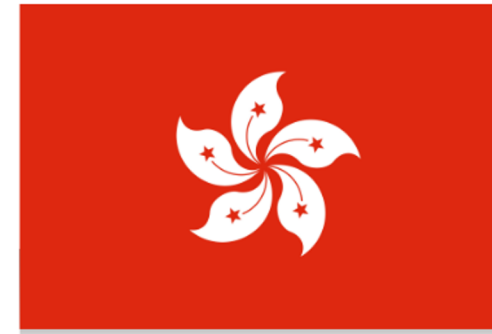
What is TOC?

WHAT DOES TOC DO?

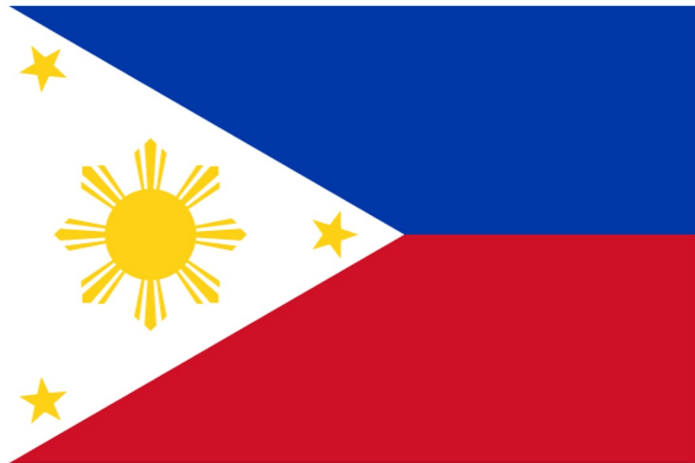
- INVESTIGATE TECHNICAL TOPICS SUCH AS TECHNOLOGIES, PROVISION OF AIR TRAFFIC SERVICES, AND COMMUNICATIONS.
- ENSURE THAT IFATCA TECHNICAL POLICY AND TECHNICAL AND PROFESSIONAL MANUAL ARE UP TO DATE.
- SYNTHESIZE A VARIETY OF VIEWPOINTS TO PRODUCE A WELL-ROUNDED GLOBAL PERSPECTIVE ON ISSUES
- SET GUIDELINES FOR IFATCA REPRESENTATIVES AT ICAO AND OTHER FORUMS.



CURRENT ELECTED TOC MEMBERS



CURRENT ACTIVE CORRESPONDING MEMBER



AMA MEMBERS IN TOC



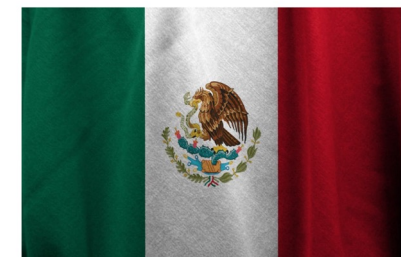
FRED COSGROVE



JAYMI STEINBERG & BETSY BEAUMONT



DANAHE LOPEZ



NON – ELECTED REPS



- **CORRESPONDING MEMBERS**
- **IFATCA REPRESENTATIVES AT ICAO PANELS**
- **EVPT**
- **IFALPA REPRESENTATIVE AT ICAO ANC**

CURRENT WORKING PROGRAMME

TOC

- MULTIPLE REMOTE TOWERS
- STARTICAL: A LOOK INTO
- FF-ICE
- RADAR SURVEILLANCE POLICY REVIEW
- EXPECTED AIRCRAFT PERFORMANCE
- RPAS/UAS
 - DETECT AND AVOID/REMAIN WELL CLEAR
 - AIRSPACE RULES
- VFR SECTOR SATURATION
- AUTOMATION POLICY REVIEW
- SYSTEMS BASED LICENSING
- 5LNC POLICY REVIEW
- AND ADDITIONAL NON PAPER RELATED WORK...



MULTIPLE REMOTE TOWERS

SINGAPORE & MEXICO

IN THE PAST WE HAVE BEEN QUICK TO “JUST SAY NO”. WE WISH TO ARTICULATE MORE CLEARLY WHAT OUR MINIMUM STANDARDS ARE.

THERE ARE STILL A GREAT MANY CONCERNS INCLUDING

- SATURATION
- DISTRACTIONS
- VARIED CONDITIONS AT FIELDS
- CONTINGENCY PLANS

POSSIBLE HUMAN FACTORS FEEDBACK FROM PLC.



STARTICAL

EGATS



- **STARTICAL WOULD COMPRISE SOME 240 LOW EARTH ORBIT SATELLITES IN A CONSTELLATION.**
- **WOULD PROVIDE SURVEILLANCE AND COMMUNICATION INTO REMOTE AREAS, INCLUDING OCEANIC AIRSPACE**
- **THERE ARE CONTINGENCIES TO EXPLORE INCLUDING: OUTAGES AND FREQUENCY SPECTRUM.**

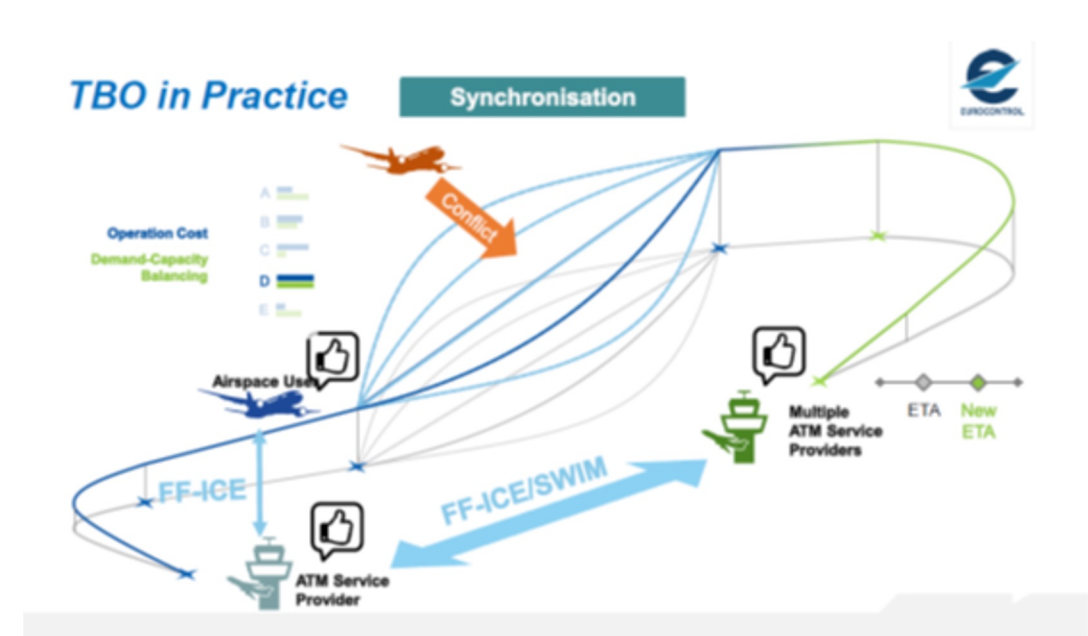
FLIGHT & FLOW INFORMATION FOR A COLLABORATIVE ENVIRONMENT (FF-ICE)

GERMANY

FF-ICE RELEASE 2 IS FORTHCOMING; THERE IS A CONCERN FOR FRAGMENTED IMPLEMENTATION

THE RESULT COULD BE INTEROPERABILITY ISSUES BETWEEN ANSPS

INVESTIGATE THE TIMELINES OF IMPLEMENTATION



RADAR SURVEILLANCE POLICY REVIEW

NIGERIA



THE EXISTING POLICY COVERS A FEW DIFFERENT POINTS SO WE TACKLED THEM 1 BY 1.

SOME OF THEM ARE COVERED IN UPDATED ICAO ANNEXES, OTHERS ARE CONTRARY TO CURRENT PANS ATM, AND SOME SERVE AS FILLER.

IT IS SUGGESTED FOR DELETION AT THIS STAGE.

RAISES AWARENESS OF NEED TO REANALYZE POLICY ATS 3.34 WHICH PERTAINS TO TERRAIN/OBSTRUCTION CLEARANCE.

EXPECTED AIRCRAFT PERFORMANCE

ITALY

AIRCRAFT PERFORMANCE CAN VARY WIDELY, ESPECIALLY ON DEPARTURE.

IS THERE A NEED FOR MORE PREDICTABILITY?

THIS TOPIC MAY SERVE AS A PATH TOWARD TBO REQUIREMENTS.



RPAS- DETECT AND AVOID/REMAIN WELL CLEAR

ROMANIA & PLC



FOCUS ON THE TECHNOLOGY

DIFFERENT RPAS HAVE DIFFERENT TECHNOLOGY EQUIPAGE LEVELS

LATENCY RATE AWARENESS

HUMAN FACTORS NEED TO BE CONSIDERED

CONTINUE RAISING AWARENESS OF WHAT THE RPAS WOULD DO

WE ARE INVESTIGATING WHAT OTHERS HAVE ON FILE TO FURTHER OUR STANCE

RPAS – AIRSPACE CLASSIFICATION

USA & HONG KONG

HOW WILL UAS FIT INTO THE AIRSPACE SYSTEM?

CURRENT LEANING IS TOWARD UAS RULES, BUT WITH DISCUSSION AS TO WHICH UAS THIS WOULD PERTAIN TO

OVERALL ISSUES INCLUDE HOW WILL UAS BE TREATED, CONSPICUITY, AND AWARENESS OF CHALLENGES THE ATCO MAY FACE WHEN INTERACTING

THERE IS CURRENTLY A VARIETY OF RULES AND RESTRICTIONS GLOBALLY

TOPICS WILL BE ON RPAS PANEL 2025-2028



VFR SECTOR SATURATION

PHILIPPINES & PLC



IFR FLIGHTS ARE SUBJECT TO ATFM BUT THESE FORMULAS OFTEN DO NOT INCLUDE VFR FLIGHTS

HOW SECTOR SATURATION IS CALCULATED CAN VARY WIDELY BETWEEN ANSPS

PAPER IS FOCUSED ON CLASS B AND C AIRSPACES

SOME PLACES ARE STUDYING CONTROLLERS RATING THEIR RELATIVE FEELINGS OF HOW BUSY THEY ARE VERSUS THE ACTUAL NUMBERS

VFR NUMBERS CAN BE UNPREDICTABLE THUS HARD TO PLAN FOR

AUTOMATION POLICY REVIEW

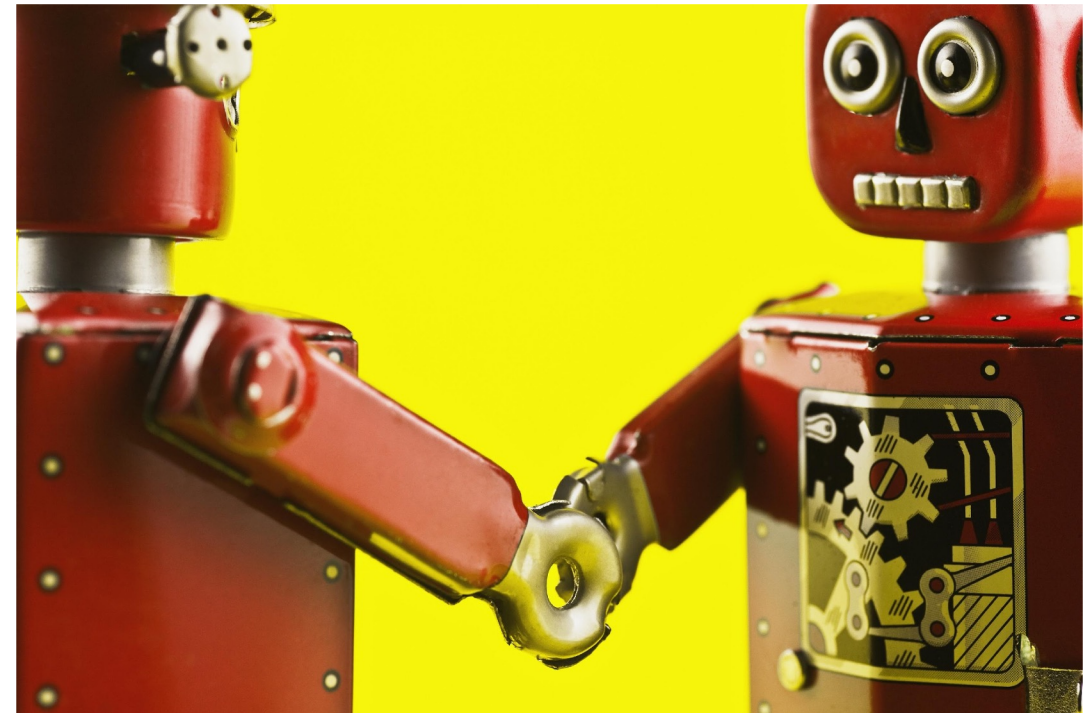
GHANA & PLC

EXISTING POLICIES ARE UP FOR REVIEW

ADJUSTING POLICIES FOR FUTURE TO CONSIDER FACTORS LIKE
MACHINE LEARNING AND AI

AWARENESS OF THE NEED FOR TRAINING IN THE EVENT OF
OUTAGE, ESPECIALLY AS TASKS BECOME INCREASINGLY
AUTOMATED

AS WELL AS MINOR ADJUSTMENTS THROUGHOUT



SYSTEMS BASED LICENSING

CANADA & PLC



THIS TYPE OF LICENSE WOULD FOLLOW THE ATCO AS LONG AS THEY WERE WORKING ON THE SAME SYSTEM

THIS WOULD CAUSE A POTENTIAL MAJOR LOSS OF INSTITUTIONAL KNOWLEDGE

LACK OF CONTINGENCY IN THE EVENT OF FAILURE AND ABILITY OF CONTROLLER TO MENTALLY MODEL

JUST BECAUSE ONE CAN USE A PEN AND PAPER, DOESN'T MEAN THE NEXT PERSON COULD TAKE OVER AND DO THE SAME

CURRENTLY WE DO NOT SUPPORT

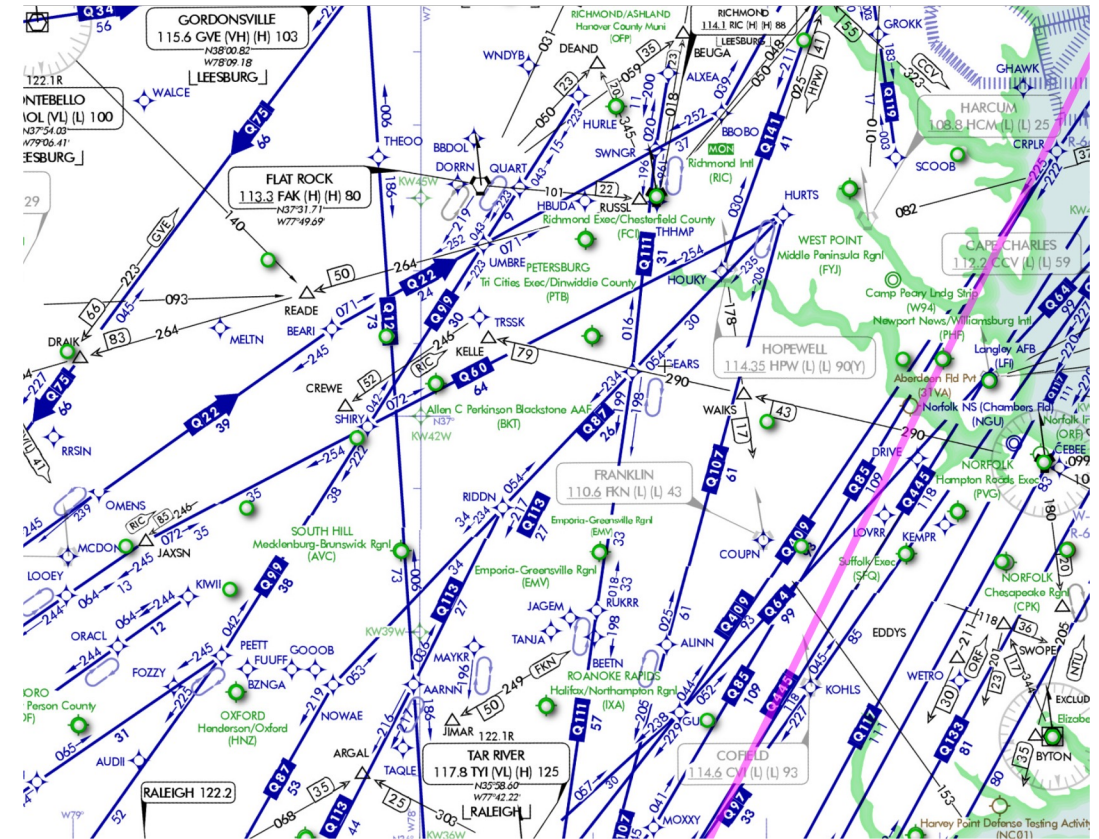
5LNC POLICY REVIEW

USA

AS THE NUMBER OF PROCEDURES INCREASES AROUND THE WORLD THE ISSUES OF ICARD AND PRONOUNCEABILITY ISSUES HAVE ARISEN

THERE ARE A FEW WAYS THIS COULD BE DEALT WITH:

- INCREASE NUMBER OF LETTERS TO 6
- SAVE PRONOUNCEABLE FIXES FOR SPOKEN POINTS
- USE NUMBERS, BUT THERE IS A LACK OF HARMONY



What other groups
does TOC
work with ?

IFATCA REPS AT ICAO

- **ANC (AIR NAVIGATION COMMISSION)**
- **ATM OPS PANEL**
- **COMM PANEL (DATALINK WG)**
- **AERODROME DESIGN AND OPS PANEL**
- **SAFETY MANAGEMENT PANEL**
- **ATM REQUIREMENTS AND PERFORMANCE PANEL**
- **SEPARATION AND SAFETY PANEL**
- **RPAS PANEL**
- **METEOROLOGY PANEL**
- **FLIGHT OPS PANEL**
- **PERSONNEL TRAINING AND LICENSING PANEL**
- **INSTRUMENT FLIGHT PROCEDURE PANEL**
- **SURVEILLANCE PANEL**



HOW DO WE WORK ALONGSIDE OUR ICAO REPS?

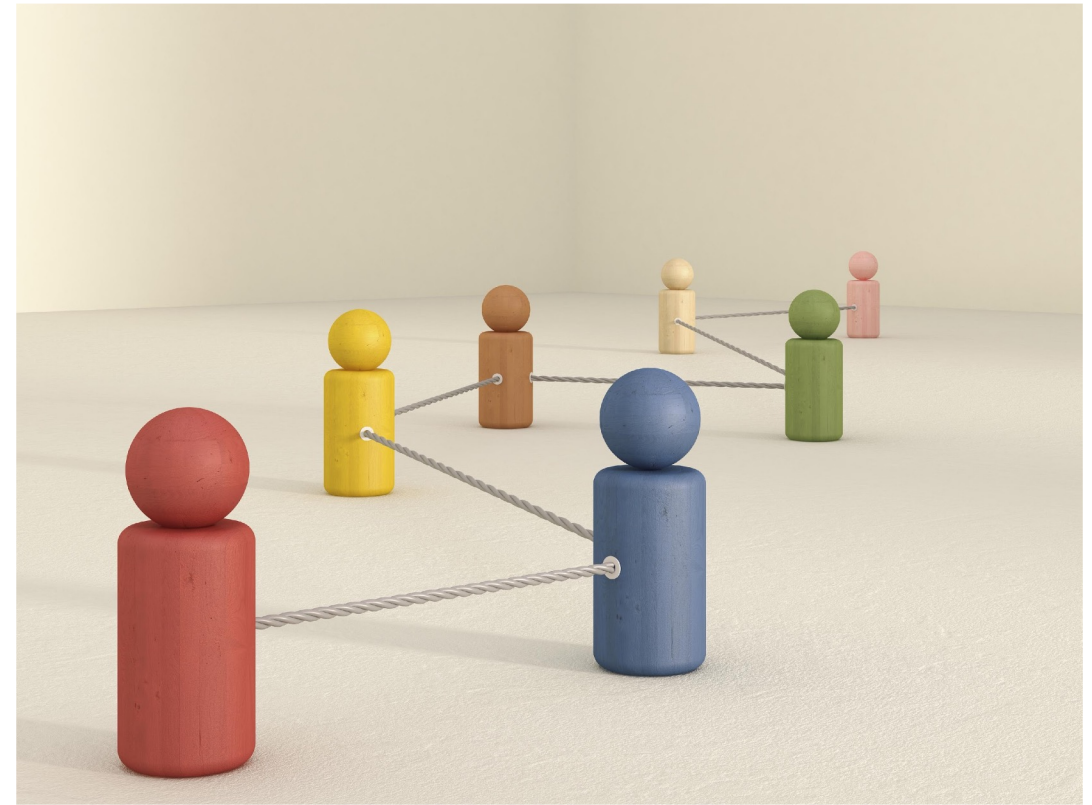
STOP. COLLABORATE AND LISTEN.

WHILE WE COMMUNICATE WITH ALL OF THE REPRESENTATIVES,
WE WILL HAVE SOME TOPICS THAT WILL BE MORE RELIANT ON A
SPECIFIC AREA OF EXPERTISE.

FOR EXAMPLE:

FF-ICE CONSULTING WITH ATMRPP REP

RPAS AIRSPACE RULES COORDINATING WITH RPAS REP



PROFESSIONAL AND LEGAL COMMITTEE

AKA PLC

SOME HIGHLIGHTS OF THEIR 2023-24 WORK PROGRAMME:

- LOW TRAFFIC LICENSE
- LEASED AIRCRAFT OPERATING UNDER ALTERNATIVE LIVERY
- AND MORE...



PLC MEMBERS FROM THE AMERICAS

THANK YOU FOR YOUR WORK!

- EL-KADUR AGOSTA (DOMINICAN REPUBLIC)
- KURT SOLOMON (JAMAICA)
- MICHELLE TRUDEAU (USA)



What is The TPM?

TECHNICAL AND PROFESSIONAL MANUAL

“THE TPM”

- HOUSES ALL THE POLICIES THAT TOC AND PLC HAVE DEVELOPED AND BEEN APPROVED BY DIRECTORS AT CONFERENCE
- BROKEN DOWN INTO SEVERAL SECTIONS BY SUBJECT TYPE
- A LIVING DOCUMENT WE ARE CONTINUALLY WORKING TO KEEP UP TO DATE



TPM

TECHNICAL AND PROFESSIONAL MANUAL

The permanent record of the Federation's technical & professional policies

Version 63.0 - December 2018

WHAT TOPICS ARE IN THE TPM?

TOC

- AUTOMATION AND ATM SYSTEMS (AAS)
- AIRFIELD OPERATIONS (ADME)
- PROVISION OF AIR TRAFFIC SERVICES (ATS)
- COMMUNICATIONS (COM)
- SEPARATION STANDARDS (SEP)

PLC

- INFORMATION ON PROFESSIONAL MATTERS (INFO)
- LEGAL MATTERS (LM)
- MEDICAL MATTERS (MED)
- TRAINING MATTERS (TRNG)
- WORKING CONDITIONS (WC)



Easily accessible at:
IFATCA.WIKI

HOW DOES AN ASSOCIATION GET MORE INVOLVED?

THERE ARE SEVERAL DIFFERENT WAYS!

Member

- WRITE RESEARCH PAPERS AND CONTRIBUTE TO OTHERS
- ATTEND 2 MEETINGS (WHERE IFATCA FUNDS HOTEL AND FOOD, BUT TRANSIT AT MA EXPENSE) AS WELL AS CONFERENCE
- IS ELECTED AT CONFERENCE

**Corresponding
Member**

- IS A NON-ELECTED MEMBER
- ALSO WRITE PAPERS AND CONTRIBUTE TO OTHERS
- ATTEND 2 MEETINGS (WHERE MA PAYS THE MEMBERS WAY) AS WELL AS CONFERENCE

HOW DO I GET A TOPIC ADDRESSED?

HAVE YOUR VOICE HEARD!

- REACH OUT TO THE CHAIR OR EVP OF EITHER COMMITTEE:
- EVPP - **PETER VAN ROOYEN**
PETER.VANROOYEN@IFATCA.ORG
- PLC CHAIR – **ADAM EXLEY**
ADAM.EXLEY@IFATCA.ORG
- EVPT – **BENJAMIN VAN DER SANDEN**
BENJAMIN.VANDERSANDEN@IFATCA.ORG
- TOC CHAIR - **JAYMI STEINBERG**
JAYMI.STEINBERG@IFATCA.ORG



OR FILL IN THE ONLINE FORM

HOME ABOUT REGIONS THE CONTROLLER **IFATCA** EVENTS NEWSROOM REFERENCE **IFATCA NET**

WIKIFATCA
DOCUMENTS AND MANUALS
IFATCA 2030+
IFATCA EXECUTIVE BOARD NEWSLETTER ARCHIVE
SPEAK ENGLISH PROGRAM
CONFERENCE ARCHIVE
7700 ASSISTANCE
LOGIN / LOGOUT

IFATCA
Job Card Submission Form

Title:	
Proposer and/or MA:	
Problem statement (Background):	
Details (Task):	
Outcome sought:	
Reference documentation (if applicable):	
Experts and/or contact:	

Job Card Submission Form

Job Card Submission Form - Word (.docx) format

Job Card Submission Form - Google Form format



ANY QUESTIONS?