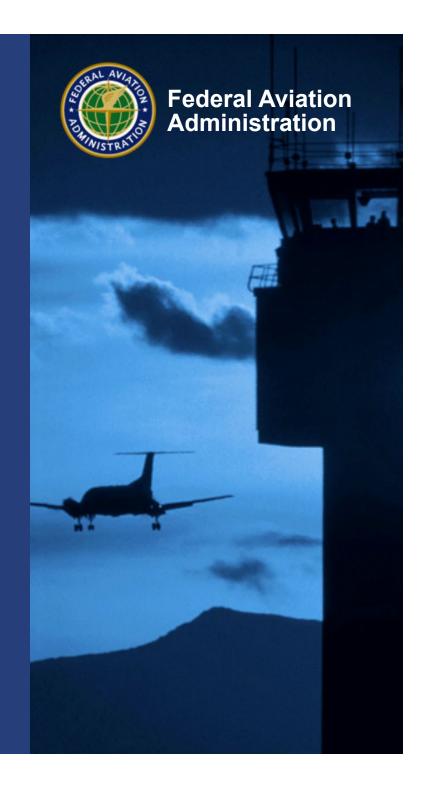
Airline Dispatchers Federation

Annual Symposium
Oceanic and
International Operations

Presented to: ADF Symposium

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Agenda

- Why an Oceanic and International Operations (OIO) Course?
- Course Outline
- Available Resources

Why an OIO course?

FAA and Industry issues:

- Problems when Aviation Safety Inspectors (ASIs) issue Special Areas of Operation (SAO) authorizations (Ops Specs)
- Not just a part 121 problem
- Operators (all parts) and FAA often lack clear understanding of key oceanic requirements:
- Comm/Nav/Surveillance
- ICAO Standards and FARs
- Flight planning and ETOPS

Why an OIO course?

- Datalink
- Contingency procedures
- Oceanic errors
- Current and planned reduced separation
- Operational control
- Proving and Validation requirements
- In-line with FAA NextGen initiatives

Web-Based Course

Two-step approach:

- WBT Course 27100172, Overview of Oceanic and International Operations
- Snapshot of subjects covered in OKC class

Academy Class

Two-step approach:

- In-Residence Course 21000088, Oceanic and International Operations
- 4 days taught at the OKC Academy
- In-depth coverage of WBT topics. 2person scenarios simulate crew and/or dispatch concept
- ASIs have specific pre-requisites, i.e.,
 21000039 ICAO Standards for Inspectors

Academy Class

- Four classes scheduled in FY 13. Expect one class per quarter to continue
- Numerous requests from industry to access the WBT and to attend the 4 day course, but not currently available
- Being considered as a future option- if interested, let the FAA know

Basics of Navigation

- Historical documents that shaped navigation
- Classes of navigation defined in FAA guidance
- "Extended over-water operations" defined in FAA guidance
- How the 12-mile limit affects navigation
- Identifying different navigation systems and their limitations

FAA Guidance for Communications/Navigation

- Part 91 Oceanic Operations
- Part 121 Oceanic Operations
- Part 125 Oceanic Operations
- Part 135 Oceanic Operations

ICAO Guidance Materials

- ICAO Planning and Implementation Groups with FAA participation
- Organizational development for the North Atlantic Tracks (NAT)
- Normal and Contingency procedures in the Procedures for Air Navigation Services Air Traffic Management (ICAO 4444 PANS ATM) (as amended)

ICAO Guidance Materials (as amended)

- Oceanic operations requirements documented in ICAO document Annex 2: Rules of the Air
- Oceanic operations requirements documented in ICAO document Annex 6: Operation of Aircraft
- Data Link requirements documented in ICAO document Annex 10: Aeronautical Telecommunications

OIO Procedures and Processes

- Special Areas of Operation (SAO)
- Communication, Navigation and Surveillance (CNS) requirements for each SAO
- Regulations for operations under each Part
- Operational control
- Responsibility for operational control
- Responsibility for <u>exercising</u> operational control
- Operational control systems for each Part

Oceanic Operations

- Need for an Oceanic Checklist
- Components of an Oceanic Checklist
- Need for a Dispatch Checklist
- Identify ICAO and FAA Guidance that define the details of Strategic Lateral Offset Procedure (SLOP)
- Identify industry misunderstandings about the use of SLOP

Performance – based Requirements/technology

- Performance based CNS requirements
- Related ICAO guidance
- Data Link and how it works
- Data Link Systems and Benefits
- Guidance pertaining to Data Link Systems
- NextGen
- NextGen technologies
- How NextGen affects the ASI

Flight Planning - Current, ICAO (2012)

- Responsibilities of the certificate holder, dispatch, and flight planning vendor
- Guidance for international operations
- Current and pending equipment code changes on automated/manual ICAO Flight Plans
- Authorizations noted on the Flight Plan
- Areas that the ASI should spot check on Flight Plans

OpSpecs, Weather and Fuel Requirements

- OpsSpecs for each SAO
- Key components of OpSpecs for each SAO
- Common errors in SAO OpSpecs (issues identified during national reviews and corrective actions)
- Domestic and international weather services
- Key components of the weather package

OpSpecs, Weather and Fuel Requirements

- Fuel requirements meeting ICAO standards for International Ops under each Part
- Fuel requirements on an operational flight plan
- Special fuel reserve requests for which a specialist should be contacted

Extended Operations (ETOPS)

- Define ETOPS
- Key terms for ETOPS
- ETOPS related FAA regulations, Advisory Circular, and ICAO standards
- Geographic areas of ETOPS

Equal Time Point (ETP)

- Application of ETP in international and oceanic flights
- Applicable FAA and ICAO guidance
- ETP application for two, three or four engine aircraft
- ETP procedures under each part
- Factors requiring ETP recomputation
- ETP components on a Flight Plan

Flight Planning and En-route Contingencies

- Preflight strategies for contingencies
- Applicable regulations for hazardous weather
- Areas where active volcanoes are currently located
- Websites with volcanic ash alerts
- Normal procedures for reported or forecasted ash cloud events
- ATC contingency and normal procedures documented in the ICAO 4444 PANS ATM (as amended)

Flight Planning and En-route Contingencies

- Strategic Lateral Offset Procedures (SLOP)
- Weather Deviation and Single Aircraft Divert/ Turnback events procedures
- Common procedural errors
- Loss of Communication or Navigation Systems procedures
- Dead Reckoning (DR) Contingency procedures

Oceanic Errors and Plotting Charts

- Guidance documents identifying oceanic errors
- Categories for different types of errors
- Process for identifying errors and sending notifications
- Common causes for oceanic errors
- FAA and ICAO guidance encouraging use of plotting charts
- Why Plotting Charts should be used despite no regulatory requirement

Validations and Authorizations

- Proving/Validation Flight FAR requirements for each Part
- Steps for certificating an operator
- Current process for involving specialists in Proving/Validation
- Role of the Air Transportation Oversight System (ATOS) in the certification process

Oceanic and International Operations

Questions?

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