

USOAP Continuous Monitoring Approach (CMA) Workshop

Module 5 Overview of other USOAP related electronic tools



Overview of other USOAP related electronic tools





USOAP CMA Workshop – Module 5



The objective of this module is to:

- 1. To review other USOAP related electronic tools; and
- 2. Explain their purpose and functionalities.









- 1. USOAP CMA Community
- 2. iStars 4.0 Integrated Safety Trend Analysis and Reporting System
- 3. Data Exchange
- 4. Recent OLF Enhancements





USOAP CMA Community





USOAP CMA Workshop – Module 5



Definition

An innovative way to expand the Programme's global outreach via a private community setup in order to better engage and serve the ICAO Member States, in coordination with our Regional Offices.

Highlights

- Information exchange
- Global outreach
- Private community setup
- Better engage and serve
- In coordination with ROs



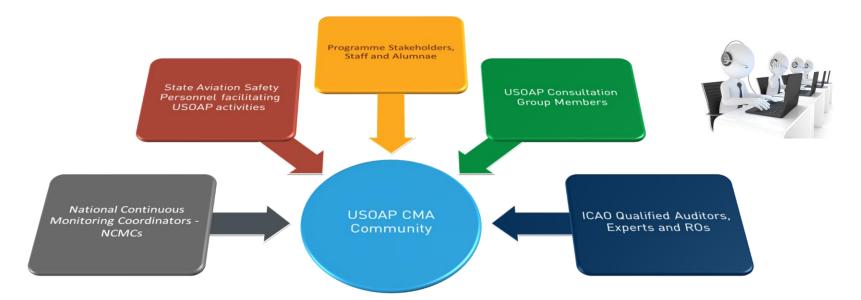


Intended Audience

Community Membership

Private, by invitation only. Members are allocated in groups by profile and

interests. All States have equal access rights.





- Growing Programme outreach to States and regions
- Dynamic environment for engaging and exchanging with NCMCs
- Direct channel for insight and communication with the States
- Leveraging digital technologies and social media to efficiently carry out our mandate and enhance our services
- Higher visibility of ICAO and USOAP CMA's mission and goals





- Social media–like discussion forums: one-to-one, one-to-many, many-to-many
- Moderation and monitoring for compliance with the Community Terms of Use
- Group management
- Membership management, directory and traffic statistics
- Content management and opinion polls
- Event scheduling
- Workshops and training tools
- Seamless integration with Zoom and other popular platforms





Community User Menu

Q Search USOAP Home	• • • • • • • • • • • • • • • • • • •
USOAP Home + Create	
Feed Table of Contents Discovery Events Chat	
Share what's on your mind	
SHOWING EVERYTHING + SORTED BY LAST ACTIVITY +	
Featured SEE MORE	
	Welcome back, Jerome 🌒 🦷 🤘
WE ARE CURRENTLY IN A SETUP AND TESTING MODE. THE NEW COMMUNITY	WELCOMEI Do you accept the TERMS
THIS YEAR. PLEASE STAND BY!	Request to Join
	Mydel ID Jun
Jimena Blumenkran answered this Question 1ma ago	
Mihail Peytchev Host - Other Aviation	
WELCOME! Do you accept the TERMS OF USE of the USOAP CMA Community?	Welcome to THE ICAO USOAP CMA COMMUNITY Towards a safer aviation system.
2 0 2 0 4 members have answered	Request to Join
	<image/>



What Lies Ahead?



Implementation

- Internal testing
- Gradual introduction to the regions
- Official launch announcement



iSTARS 4.0 – Integrated Safety Trend Analysis and Reporting System





 iSTARS 4.0 is a web-based platform, which provides a quick and convenient access to a collection of safety and air navigation tools for States and industry partners to explore and analyze ICAO datasets.

 It features aviation applications and datasets that facilitate and assist users in conducting aviation safety, efficiency and risk analyses through interactive, easily understood, and user-friendly charts and maps.





How to Access iSTARS 4.0

iSTARS 4.0 website: https://istars.icao.int/

New Users

- Fill in the registration form.
- Acceptance may take up to 48 hours.

You will be sent your username and password by email.

Current Users of the ICAO Secure Portal

- Login to the ICAO Secure Portal account with username and password.
- Subscribe to group "iSTARS4". Acceptance may take up to 48 hours.

You will be sent confirmation by email.







iSTARS 4.0 Catalogue of Applications

8 ICAO iSTARS4.0 **iSTARS 4.0** Applications FA0 Catalogue iSTARS features different applications providing Ê useful information and performance data in **Regional Safety Briefing USOAP** Report **Risk Based Surveillance** State results for the USOAP CMA Programme. A dashboard and details of audit and accident data by Region Data-driven inspection schedules for operations areas such as: and Group The app displays detailed results related to Build a risk-based operations surveillance The Regional Safety Briefing app shows a the performance of the State within the plan. aviation safety and audits; variety of safety, audit, and performance USOAP CMA programme in comparison with metrics by Region or Group. View the results other States. for your group for USOAP Data, Significant Safety Concerns, Accident Statistics, IOSA air navigation; Certifications, and PBN. air traffic management and statistics; airports; US0AP DataTable **Global Aviation Training** State Safety Briefing Summary of State Safety Indicators. air transport accessibility; USOAP Effective Implementation scores per ICAO training activities per State and region. Overview of various state safety indicators by country in table format The data provided reflects the number and State. details of ICAO-recognized training meteorological statistics and more.

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Example: USOAP Report

USOAP Report displays detailed USOAP CMA audit results of a State that could be benchmarked to the results of other States or regions.

By selecting the regional or global averages, States can measure their overall Effective Implementation (EI) against the selection.







iSTARS 4.0 User Support

Contact iSTARS administrator through the "CONTACT US" tab for assistance.

CONTACT US

Do you have any questions concerning the content, functions, or usage of iSTARS data?

Please address any comments concerning the content of the site to istars@icao.int

email: icashq@icao.int		ICAO Headquarters International Givil Aviation Organization (ICAO) 999 Robert- Bourass Boulevard, Montréal, Québec H3C SH7, Canada Tel.:+1 514-954-9519 Fax:+1 514-954-6077 email: icaohq@icao.int	Contact us email: istars⊜icao int	Follow Us On in Linkedin Y Twitter YouTube
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Comparison of Reports

USOAP State Profile (OLF)



istars 4.0



ICAO Public Website

AO / Safety / Safety Audit Results: USOAP interactive viewer

About CMA

CMA News

Archive

USCAP recentific 9001:2008

HLSC Presentati Newsletter

ICAO Journal Article or CMA

Other Useful Website

Contact USDAP CN

USCAP CMA Five

Frequently Asked Questions

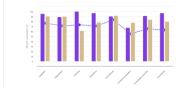
USCAP CMA Comp.

Surley Audit Information USDAP Results Report: 2014-2018

Please select a country from the list below the viewer to see its audit Effective Implementation" (EI) score presented for the various categories covered under ICAO's Universitä Safety Oversight Audt Programme (USGAP), Multiple countries may be extended at once to compare their respective performance, and users may also compare a country or countries against the current global average in each category.

Exact pair, A significant safety concern (SIC) dates not necessarily indicate a particular safety deficiency in the air nanoptation even providers, aincide, and operations, incident exercisions. The indicates that the Bate in not providing sufficient safety oversignt to ensure the effective implementation of applicable (CAO Standords, FLI utricinal datas of the CAO Christip have been made available the base the gluide restification, as well as to all CAO Member Bates to include any actions that they may consider nonsame yob ensure safety. The Bate has underlation to regulation your consider nonsame yob ensure safety. The Bate has underlation to regulation your consider nonsame yob ensure safety. The Bate has underlation to regulation your program on the matter to CAO. These more:

Developers may also wish to consider accessing the EI data via the iSTARS API Data Service



- Includes additional USOAP CMA data points and EFOD data.
- Available to OLF users authorized by NCMC.
- Can be exported to PDF.

- Fewer USOAP CMA data points but includes reports for non-USOAP related data.
- Available to non-OLF users.

- Includes El results by audit area.
- Publicly available.



OLF Data Exchange





USOAP CMA Workshop – Module 5

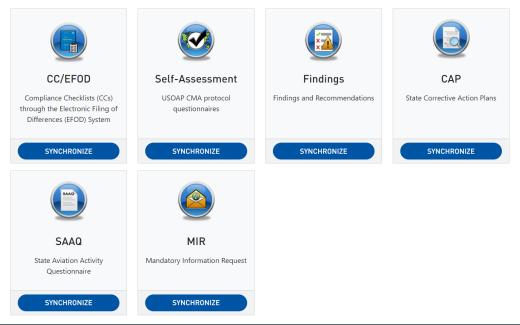


OLF Data Exchange Module

English V Republic of Korea (t V	Language		State	
	English	~	Republic of Korea (t $$	

Mapping Setup Reference Manager 👻 Data Validator 💙

THE SMIS 5.0 USER (MEMBER STATE) CLAIMS ALL RESPONSIBILITY FOR EXCHANGING DATA BETWEEN SMIS 5.0 AND OLF.



Features

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- Fully customizable XML service.
- Synchronize data between proprietary
 State system and OLF.
- Synchronize SMIS system with OLF.
 - Select all, or some data areas to synchronize.
- Contact OSU if required.

Developed in collaboration with MOLIT



OLF Data Exchange Module

Mapping Setup Reference Manager ¥	Data \	'alidator 🎽								
Data Exchange Type		Mapping Details								
CC/EFOD	~	11 5	it h							
Self-Assessment	~	Mapping Processing Type	ning Processing Type							
Send	^		n Procedure O	Run Function						
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Get All Attachement (53)		Synonym Name								
Get All Attachement By ProtocolID (96)		Select								~
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Get Attachment Binding (54)			~					Lis use Ami	LIS VISIDIE	Add
Get Attachment Binding By ProtocolID (95)										
Get Element Attachement Binding By ProtocolID (99)		Table Name	Column Name		Displ	ay Name	Is Use XML Fi	le		
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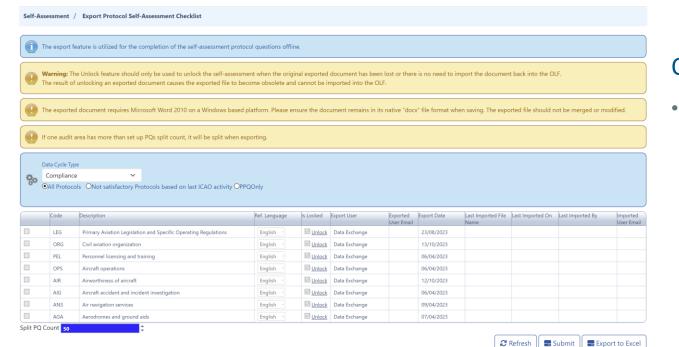
Dynamic Mapping Tool

Define the mapping between the OLF and proprietary State systems.

Send & Receive actions.



OLF Data Exchange Module



Offline Mode supported

Use the offline Word exports to edit CAPs, Self-Assessment, EFOD,

etc.



Recent OLF Enhancements: New Integrated Navigation Menu





USOAP CMA Workshop – Module 5



Integrated Navigation Menu

🛞 ICAO USOAP	State Dashboard > State Profile	Dashboard				음 Workshop Student	ff Home 🔞 He	p 🐣 Previews	✓ C→ Logout
State Dashboard -	Language English		Ref. Data Language English						
Protocol Status	State Dashboard / View State Profile Dashboard								
Corrective Action Plan			- USOAP State Profile -	Futureland - APAC					
Self-Assessment ,	Dashboard Language: English 🗸						XPORT TO PDF 😂	FULL DASHBOARD	
Corrective Action Plan	Director General C	0 USOAP Activity Results		Show Regional Average Show Global Average	Scheduled	& Ongoing USOAP Activities			
₽¥ PQ Findings →	Jane Doe no-reply@icao.int	CMAA (May 2017) X OSVA (Dec 2017) X OSVA (Oct 2020)	x	x ~	Activity	Scope		Start Date	Status 🕐
🚖 SAAQ	Source: SAAQ	100%			No activitie	es are scheduled.			
₩ EFOD →		D 80%			Previous U	SOAP Activities			
🕑 CMA Library	Futureland NCMC		╺╾╴╾╴╴╴		Activity	Scope	End Date	Initial EI 🕐	Adjusted EI 🕐
🖙 Reports 🛛 🔸	Source: OLF User Profile	5 60% E0			OSVA	PEL, OPS, AIR	30 October 2020	87.19%	87.19%
		40% E			OSVA	ANS, AGA	29 December 20	17 85.8%	85.8%
 User Management , Feedback , 	[⊘] None	20%			CMAA	Full scope	18 May 2017	85.34%	85.34%
		05			ICVM	LEG, ORG, PEL, OPS, AIR, ANS, AGA	30 July 2013	81.54%	81.54%
		LEG ORG	PEL OPS AIR CMAA (May 2017) OSVA (Dec 2017) OSVA (Oct 2020)	AIG ANS AGA	CMAA	Full scope	16 July 2007	75.5%	75.5%
			- Regional Average						
	Self-Assessment (Summary)	Completion: 95%	Most outdated: ANS (05 Oct 2023) Last updated: AIG (04 Jan 2024)	SAAQ (Summary)				st outdated: Part 1 st updated: Par	⑦ 1 (Never updated) rt 0 (06 Nov 2023)



Integrated Navigation Menu

ICAO USOAP	🚭 🐺 EFOD > Manage Differences			A Workshop Student 🐐 Home ⑦ Help 👗 Previews ↔ [→ Logout
State Dashboard				
🛃 Self-Assessment 🕠		Language English	Electronic	Filing Of Differences (EFOD)
🚓 Corrective Action Plan 🕠				
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SAAQ	TENTH EDITION - JULY 2005 Amendment 47		Foreword - 1	Filing of difference is not required for the selected foreword
R EFOD -		M < 1/2 🕨 M		
Manage Differences				No difference Significant Difference A. More exacting or exceeds
Generate E-Supplements				B. Different in character or other means of compliance C. Less protective or partially implemented or not implemented
🕑 CMA Library				O Not applicable
🖀 Reports 🛛 🔸		FOREWORD		Text as provided by State English translation as provided by State
		Historical background		State Reference
🖶 User Management ,		and Air Traffic Control (RAC) Division at its first session made recommendations for		
🗭 Feedback 🔸	approved by the Council on 25 Febr	or the Rules of the Air. These were reviewed by the then Air Navigation Committee and many 1946. They were published as <i>Recommendations for Standards, Practices and</i> inst part of Doc 2010, published in February 1946.		
		nst part of Doc 2010, published in reonlary 1940. session in December 1946 - January 1947, reviewed Doc 2010 and proposed Standards		Details of Difference
	Practices relating to Rules of the Air or	Rules of the Air. These were adopted by the Council as Standards and Recommended in 15 April 1948, pursuant to Article 37 of the Couvention on International Civil Aviation Annex 2 to the Couvention with the title International Standards and Recommended		
	Practices - Rules of the Air. They be	came effective on 15 September 1948.		Please describe the difference clearly and concisely.
		il adopted a complete new text of the Annex, which no longer contained Recommended nded Annex 2 (Amendment 1) became effective on 1 April 1952 and applicable on 1		Remarks
	Table A shows the origin of subs	equent amendments together with a list of the principal subjects involved and the dates		
	on which the amendments were adopte	ed by the Council, when they became effective and when they became applicable.		Please indicate reasons for the difference and intentions including any planned date for implementation.
		Applicability		SAVE ENTRY
	of the Procedures for Air Navigatio	ther with the Standards and Recommended Practices of Annex 11, govern the application on Services — Air Traffic Managament (PANS-ATM, Doc 4444) and the Regional of the Air and Air Traffic Services, contained in Doc 7080, in which latter document will ional application.		
		ided only as a reference to facilitate the filing of differences and completion of CC. ICAO publi	ications shall continue	
	Adoption Date: Effective Date: Applicable Date:		fodified by: Pate Modified: 10/10/2005	
		© 2024 ICAO, All Rights Reserved.		In callaboration with SMOLIT

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Integrated Navigation Menu

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State Dashboard	-			
B Self-Assessment →				
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PQ Findings ,	O Part 6 - Aircraft Accident and Incident Investigation should be submitted. Part 7 - Air Navigation Services should be submitted. Part 8 - Aredonaus and Ground Aist subout be submitted.			
🛕 SAAQ	Part 9 - Safety Management should be submitted.			
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🗭 Feedback 🔋 🔸	USOAP CMA SAAQ PROFILE PAGE PART 0 - STATE PROFILE			
	Revise the name. Bite and contact information of the person designated by the State as the National Continuous Monitoring Coordinator (NCMC) with respect to the ICAD Universal Safety Oversight Audit Programme Continuous Monitoring Coordinator (NCMC) with respect to the ICAD Universal Safety Oversight Audit Programme Continuous Monitoring Coordinator (NCMC) with respect to the ICAD Universal Safety Oversight Audit Programme Continuous Monitoring Coordinator (NCMC) with respect to the ICAD Universal Safety Oversight Audit Programme Continuous Monitoring Coordinator (NCMC) with respect to the ICAD Universal Safety Oversight Audit Programme Continuous Monitoring Coordinator (NCMC) with respect to the ICAD Universal Safety Oversight Audit Programme Continuous Monitoring Coordinator (NCMC) with respect to the ICAD Universal Safety Oversight Audit Programme Continuous Monitoring Coordinator (NCMC) with respect to the ICAD Universal Safety Oversight Audit Programme Continuous Monitoring Coordinator (NCMC) with respect to the ICAD Universal Safety Oversight Audit Programme Continuous Monitoring Coordinator (NCMC) with respect to the ICAD Universal Safety Oversight Audit Programme Continuous Monitoring Coordinator (NCMC) with respect to the ICAD Universal Safety Oversight Audit Programme Continuous Monitoring Coordinator (NCMC) with respect to the ICAD Universal Safety Oversight Audit Programme Continuous Monitoring Coordinator (NCMC) with respect to the ICAD Universal Safety Oversight Audit Programme Continuous Monitoring Coordinator (NCMC) with respect to the ICAD Universal Safety Oversight Audit Programme Continuous Monitoring Coordinator (NCMC) with respect to the ICAD Universal Safety Oversight Audit Programme Content To the ICAD Universal Safety Oversight Audit Programme Content To the ICAD Universal Safety Oversight Audit Programme Content To the ICAD Universal Safety Oversight Audit Programme Content To the ICAD Universal Safety Oversight Audit Programme Content To the ICAD Universal Safety Oversight Audit Progra			
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Integrated Navigation Menu

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State Dashboard / View	State Profile Dashboard		Theme ·햣: Light ⓒ Dark

Enable preview features

- Select the "Previews" button from the header.
- Update the Navigation Style to "Sidebar".
- Can revert to the current version.

Please send feedback to: usoapinbox@icao.int



Recent OLF Enhancements: Progressive rollout of a new CAP assessment tool on the OLF

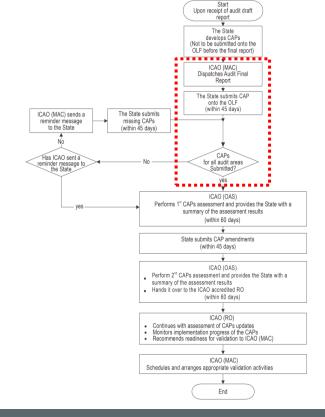
Purpose: Improve workflow efficiency and visibility of CAP progress (Ref. Doc 9735 5th Edition, Appendix E)



CAP Assessment – 1st

timeline	ICAO HQ (CMC)	State (NCMC)
Final report (F)	 CMC to activate the OLF CAP feature after delivering the final report (to ask OSU) 	 Input CAP in each finding PQ on the OLF (using the same current feature)
F + <u>45Days</u>	 CMC to confirm with every State the completion of CAP submission (E-mail), in <u>every</u> <u>audited area having N/S PQs</u>. CMC receives State's confirmation of CAP submission (E-mail) 	 NCMC confirms the completion of CAP submission. ("Request Review" push) Request review: State cannot amend & export CAPs OLF will inform (E-mail) CMC and NCMC of the activation of "Request Review".
Request Review + <u>5Days</u>	 PQ #: OLF -> Report -> CAP progress CMC to push "Start Review" on the OLF. It means that ICAO is in assessment. ICAO (CMC) to consider this State as a priority to allocate CAP resources. (60 Days) 	 NCMC will be informed (message displayed on screen) on the OLF that CMC has pushed "Start Review" button

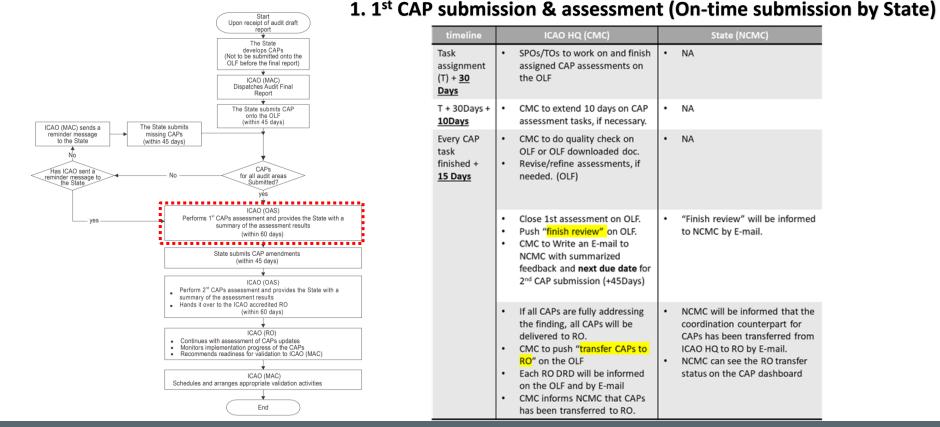
1. 1st CAP submission/assessment (On-time submission by State)



3/18/2024



CAP Assessment – 1st

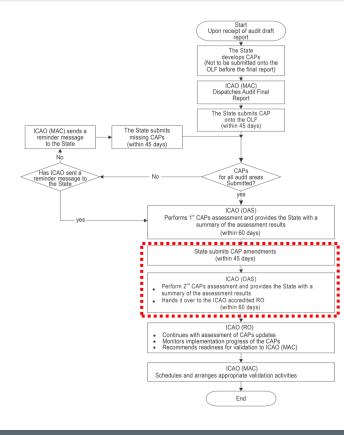


3/18/2024

Guidance on CAP Assessments



CAP Assessment – 2nd



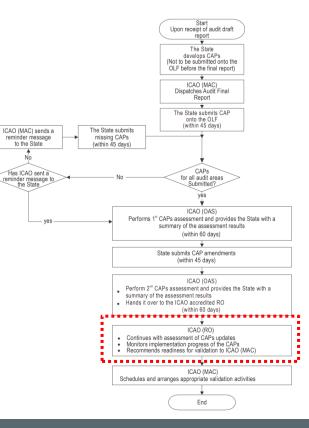
2. 2nd CAP submission (On-time submission by State)

timeline	ICAO HQ (CMC)	State (NCMC)
2 nd CAP submission due date	 CMC to confirm with State the completion of 2nd CAP submission of <u>every audited</u> <u>area</u>. 	 NCMC manage/confirm input on 2nd CAPs on the OLF Push "Request Review" on the OLF
Request Review + <u>5Days</u>	 CMC to push "Start Review" on the OLF. ICAO (CMC) to consider this State as a priority to allocate CAP resources. (60 Days) 	 NCMC will be informed (message displayed on screen) on the OLF that CMC has pushed "Start Review" button
Task assignment (T) + <u>30</u> <u>Days</u>	 SPOs/TOs to work on and finish assigned CAP assessments on the OLF 	• NA
T + 30Days + <u>10Days</u>	 CMC to extend 10 days on CAP assessment tasks, if necessary. 	• NA
Every CAP tasks finished +	 CMC to check quality on OLF. Revise/refine assessments, if needed. 	• NA
<u>15 Days</u>	 Close 2nd CAP assessment. Push "Review finished" on OLF. Hand over every CAP to RO. Push "transfer CAPs to RO" Write an E-mail to NCMC with summarized feedback. CMC to inform RO. 	 "Review Finished" will be informed to NCMC by E-mail. NCMC will be informed that the coordination counterpart for CAPs has been transferred from ICAO HQ to RO by E-mail. NCMC can see the RO transfer status on the CAP dashboard

3/18/2024



CAP Assessment – Transfer RO





ICAO Annex Manager System (IAMS)





USOAP CMA Workshop – Module 5



What is IAMS?

Definition

IAMS is for now an **internal** tool that ICAO uses to manage various document content to move from a document centric approach to a data centric approach. Each document provision is stored as a data entity that can be consumed by various information systems.

Highlights

- IAMS is an information system
- Integrates with EFOD and the Audit Manager
- Introduces a data centric approach
- Single source of truth
- Supports multiple document types
- Supports multiple languages and amendments







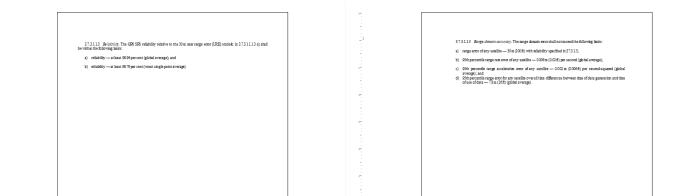
Amended SARPs – Multi-amendment viewer

ICAO IAMS

Document Manager (Prod) () jguevin Logout Document Type Document Document Version Document Section Annex ~ Annex 10 - VOLUME I RADIO NAVIGATION AIDS ~ Amendment 93 (93) \sim CHAPTER 3. SPECIFICATIONS FOR RADIO NAVIGATION AIDS Status Refile Required \sim Version Information Provision Information lumber Part Volume Section Type Core Part Number Provision Type Number Status Category 10 1 Chapter Standard ✓ 3.7.3.1.1.3 Refile Required Version Adoption Approval Applicable Effective Section Number Adoption Applicable Effective Is Required Filling? Applicability Type 2024-01-01 2023-03-20 2023-11-02 2023-07-31 Yes None ≪ ← 3.7.3.1.1.3 ~ → » 🖬 En Amdt-92 B DOCX-

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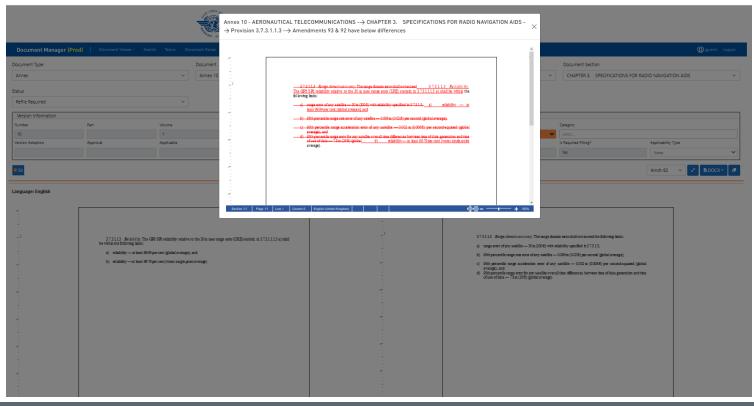
Amendment: 92 Provision: 3.7.3.1.1.3







Amended SARPs – Automatic markup creation







Procedures for Air Navigation Services (PANS) Support

				O IAMS						
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Pans		~	PANS 8168 - Procedures for Air Navigat	ion Services — Aircraft Operations	Ammendment 9 [1]		~	Attachment B CHART CO	TENT, EXAMPLES AND EXPLANATIONS	~
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Chicago Convention Support – multi-language viewer

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7300 Version Adoption	Approval	Applicable	Effective	Section Number	Definition V Adoption	2.1 Applicable		select Is Required Filing?	Applicability Type	
2023-01-01	Approval 2023-01-01	2023-01-01	2023-01-01	Section Number	Adoption	Applicable	Effective	is nequired Hilling?	Appecability Type	~
2023-01-01	2025-01-01	2023-01-01	2023-01-01					NO	None	
Image: Comparison of the purposes of th										
	Territory For the purposes of this Conventive waters adjacent then to under the sor	on the terbory of a State	shall be dermed to be the band areas and tents its or anamathe of such State.	ń		Territobre Ana fan de la pelsen terfaks y søjecenes qui	n Convestion, 3 fast entendre p se trouventrous la souveniment	er teminier d'un Eint bes degiones temes han et la summmert, à protecteur ou la mandait doit	ke saux teni i Ebu	



Integration of the OLF Audit Manager and the ICAO Annex Manager System (IAMS)







Integration OLF - IAMS

Definition

IAMS allows to view reference data from other application. This allows the OLF to reference IAMS data and to offer a viewer feature of the reference data.

Highlights

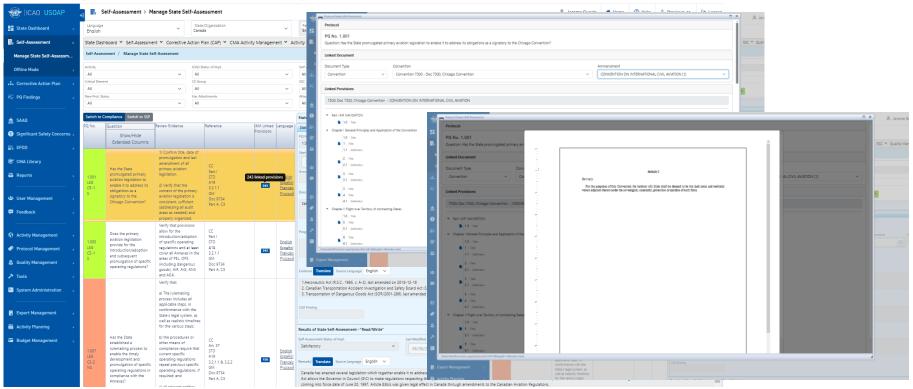
- Allows to view various document types content like Annex SARPs, Articles of the Chicago Convention, provisions of Guidance Material
- Supports multiple languages viewing
- Introduction of 'Powered by IAMS'





Integration OLF - IAMS

Chicago Convention Support – Article viewer



3/18/2024

USOAP CMA Workshop – Module 5



- 1. USOAP CMA Community
- 2. iStars 4.0 Integrated Safety Trend Analysis and Reporting System
- 3. Data Exchange
- 4. Recent OLF Enhancements
 - 1. New Integrated Menu
 - 2. New CAP Assessment Progressive rollout
- 5. ICAO Annex Manager System (IAMS)
- 6. Integration of the OLF IAMS





Questions and Feedback



