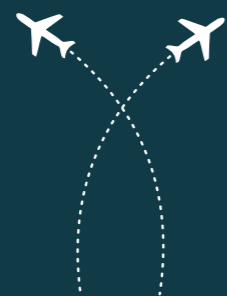


iFlights
Fixed-wing
Aviation Management System



iFlights
Fixed-wing
Aviation Management System

www.iflights.aero



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- Commercial
- Operation
- Training
- Repots & Statitics
- Crew Portal
- OCC
- E-Library
- Mobile Apps



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iFlights Features

iFlights web-based system with flexible graphical user interface, in order to facilitate system usability. High level security structure already implemented for any account login including users' authentication and authorization levels. I-Flights focus in covering core business of aviation companies .



iFlights Extensibility

iFlights is extensible system, can be also integrated with third party systems i.e. mobile applications, web systems and desktop systems.

System Technical Specifications

Operating System

The application will be a Web based .NET application with latest Framework running over latest version of Microsoft Windows Server and latest version of Internet Information Server IIS .

Database engine

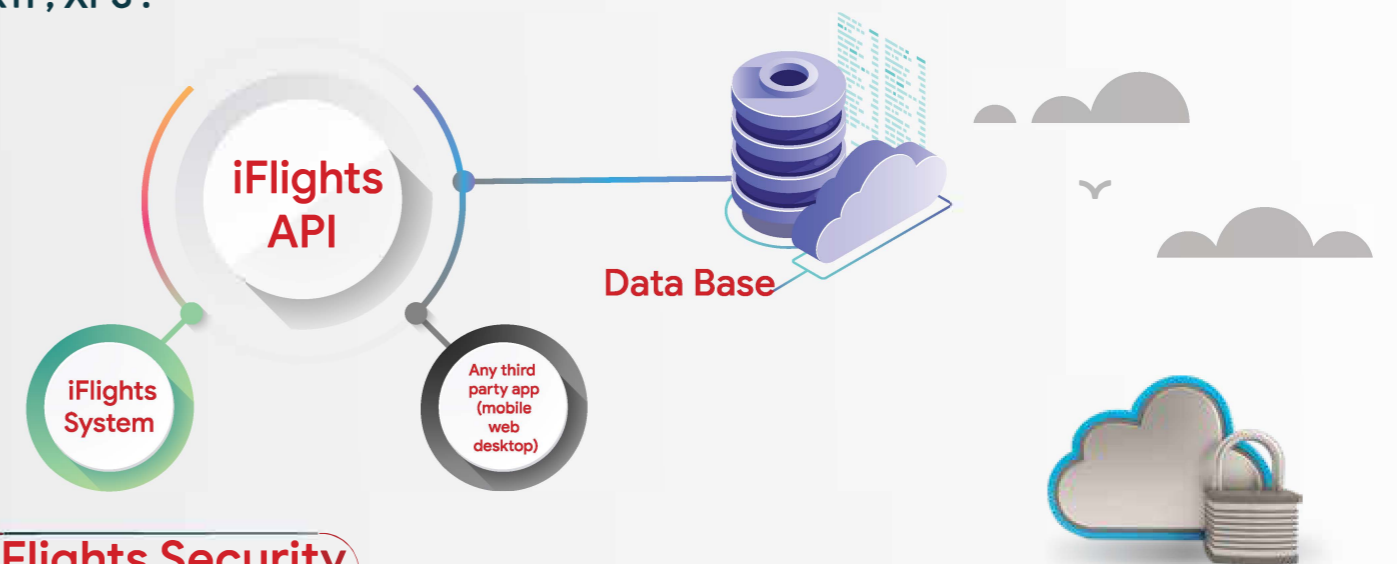
Backend database should be implemented using MS SQL Server .

Front end Will be developed using Microsoft C#, MVC 5, HTML 5 , Angular JS, XML .

Data export/import options will be implemented using webAPI 2.0 or MVC controllers which will be the layer to between presentation layer of system (web based, desktop or mobile) and business layer of application .

Mobile application will be IOS and Android based.

Reports will be generated in these formats: PDF, CSV, Excel, RTF, XPS .



iFlights Security

system security is based on ASP Net Identity 2.0 with OAuth integration with the following supported features:

- Account Confirmation via email .
- Easy Integration of Claims-Based Authorization .
- Administrative management of Users and Roles .
- Security Token Provider to regenerate a user's .
- Two-Factor Authentication via email or SMS messaging.
- Account Lock-Out in response to invalid log-in attempts.
- security token in response to changes in security settings.

- Check Slots Availability .
- Schedule / Schedule Versions Management .
- Fleet Watch / Fleet Management .

- Pilot / cabin crew profile Management and Monitoring
- Add Your Training Manual on System
- Manage annual / Monthly Training Plan



- Announcements and doc visibility tracking
- Internal Communication Channels
- E- Library



Commercial Module:

best implementation for planning flights/sectors for any coming period . Fully integrated with Rostering Module by enabling live alerts for available roster or any new versions initiated from existing one .

- Check slots availability
- Operators/Clients Management Manage Tour operators' info inside the system
- Schedule/ Schedule Versions Management Setup and create commercial schedule entries based on the commercial plan – initiate the complete plan



2
Add chain of flights in easy manner

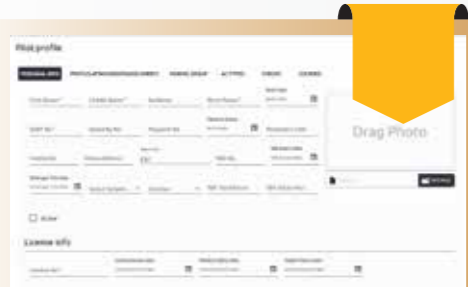
3
Fleet watch / Fleet Management
Check fleet status and manage flights with aircrafts

3
• Sectors Overlap Handling System validate and handling any possible overlapping for sectors may happened while changing sectors information (Departure/Arrival) times.
• Aircraft route checking

Training Module

managing all learning transactions for the company staff by follow up all applicable courses, licenses, checks and training programs with its affection to scheduling and planning .

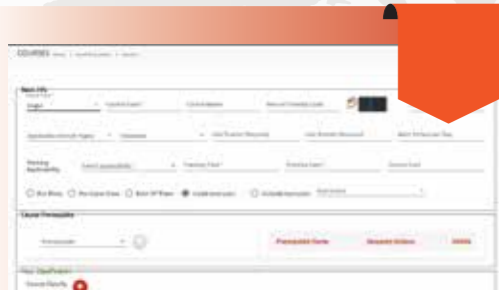
Fully integrated with Rostering Module by release only available crew to be assigned on sectors fleet, ability to handle requests from Rostering to allow release more crew in case of emergency by changing training plan.



Pilot / Cabin crew Profile Management and monitoring .



- Alert functionality if prerequisite requirements are not attained.
- Ability to track and, if desired, automatically update crew records and expiry information.
- Manage Annual Monthly Training Plan



• Notification system for following up applicable courses, licenses, checks and training programs .

• Planning of recurrent and initial training .

• Build your company Training Manual on system dynamically .

• The ability to create dynamic rules related to a course prerequisite.



• Pilot License info page with color coding list for all expiry alerts in order to facilitate the license expiration follow up

PILOTS LICENSE INFO

Expiry Alerts: Within 30 days Within 15 days Within 7 days

Name	SeniorityNo	License No	Notes	English Expiry	Medical Expiry	PC Expiry	Last Flight	Count Down
	2	1669		30/09/2022	16/06/2021	31/05/2021	06/02/2021	6
	3	1257		30/06/2026	08/02/2021	31/05/2021	06/02/2021	6
	4	1583		22/10/2025	10/09/2021	31/05/2021	01/02/2021	11
	5	1885		10/01/2022	14/01/2021	31/05/2021	05/02/2021	7
	6	2292		20/09/2023	07/06/2021	31/05/2021	06/02/2021	6
	7	1700		06/10/2022	19/01/2022	31/05/2021	27/01/2021	16
	8	937		19/11/2022	09/02/2021	31/01/2021	17/01/2021	26

• Cabin Crew License info page with color coding list for all expiry alerts in order to facilitate the license expiration follow up

CABIN CREW LICENSE INFO

Expiry Alerts: Within 30 days Within 15 days Within 7 days

Name	SeniorityNo	License No	Medical Expiry	Competency check	Last Flight in DASH8	Count Down	Last Flight IN CRJ	Count Down	Action
	1	709	22/10/2021	25/08/2021	27/12/2020	47	10/11/2020	94	
	2	1584	12/01/2021	18/08/2020	21/07/2020	206	12/05/2020	276	
	3	2341	02/06/2021	24/08/2021	11/01/2021	32	05/01/2021	38	
	4	2345	01/06/2021	24/04/2021	25/01/2021	18	17/01/2021	26	
	5	3935	02/01/2021	19/02/2021	18/01/2021	25	25/12/2020	45	
	6	4015	23/02/2021	05/02/2021	23/11/2020	81	24/12/2020	50	
	7	4177	08/11/2022	16/05/2021	20/01/2021	23	04/02/2021	8	

•All Courses applied on certain pilot with taken and expiration dates

Course Name	Taken Date	Expiry Date
(R) CRM	24/08/2020	24/08/2021
(R) Dangerous Goods	20/07/2020	20/07/2022
(R) General Safety Training (P) Airport	25/03/2019	24/03/2021
(R) Ground Safety Training (TH)	25/06/2019	24/06/2020
(R) Ground Training Type (Dap)	26/04/2020	26/04/2021
(R) Security	12/07/2020	12/07/2021
(R) SHS	28/06/2020	28/06/2023

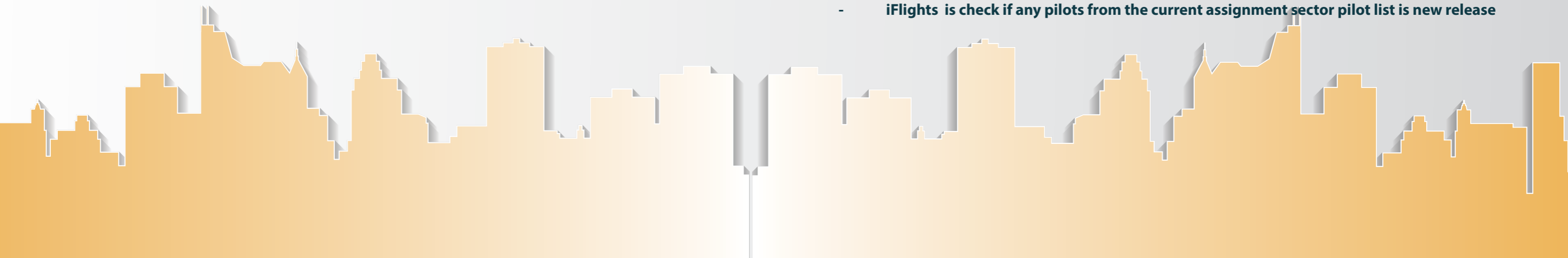


Rostering Module

Handling Flight time limitation validation while assign any crew member for better Quality schedule without any time violation problems .

- Crew Assignment with fully automated crew legality and flight coverage checks
- Implement and validate all Flight Time limitation regulations.
- Base City Management
- Crew Duty management
- Crew Pairings Construction

- Leave management
- Crew Medical/Training records, flight / Duty / Credit hours updates based on actual flight departure /arrival information.
- Full integrated with Training, Commercial and crew portal (mobile / web)
- Operation Features when assign pilot
 - iFlights check if any pilots from the sector pilot list is must fly with other expert pilots
 - iFlights is check if any pilots from the current assignment sector pilot list is new release



Crew Portal (web)

facilitating the communication among the crew and planning / scheduling departments.

Date	FlightNo	Reg	AC Type	Pilots	Cabin crew	From-To	STD	STA	Log
20/05/2018	StandBy						08:00 AIT	12:00 AIT	
20/05/2018	StandBy						08:00 AIT	12:00 AIT	
20/05/2018	StandBy						08:00 AIT	12:00 AIT	
21/05/2018	887	SU-CBY	Dash 8	[Pilot Icons]	[Crew Icons]	CAI - CGH - p	08:50 AIT	09:00 AIT	
21/05/2018	888	SU-CBY	Dash 8	[Pilot Icons]	[Crew Icons]	CGH - CGD - p	09:23 AIT	09:23 AIT	
21/05/2018	882	SU-CBY	Dash 8	[Pilot Icons]	[Crew Icons]	ARD - CAI	10:03 AIT	10:03 AIT	
21/05/2018	1333	SU-CBY	Dash 8	[Pilot Icons]	[Crew Icons]	CAI - AIT	09:00 AIT	09:00 AIT	
21/05/2018	1334	SU-CBY	Dash 8	[Pilot Icons]	[Crew Icons]	AIT - BDI - p	10:10 AIT	10:10 AIT	
21/05/2018	1333	SU-CBY	Dash 8	[Pilot Icons]	[Crew Icons]	BDI - p - AIT	11:00 AIT	11:00 AIT	
21/05/2018	1333	SU-CBY	Dash 8	[Pilot Icons]	[Crew Icons]	AIT - CAI	12:00 AIT	12:00 AIT	
21/05/2018	935	SU-CBY	Dash 8	[Pilot Icons]	[Crew Icons]	934 - CAI	08:00 AIT	08:00 AIT	
21/05/2018	942	SU-CBY	Dash 8	[Pilot Icons]	[Crew Icons]	CAI - SSM	07:30 AIT	07:30 AIT	
21/05/2018	934	SU-CBY	Dash 8	[Pilot Icons]	[Crew Icons]	SSM - CAI	08:45 AIT	08:45 AIT	
21/05/2018	887	SU-CBY	CRJ900	[Pilot Icons]	[Crew Icons]	CAI - AIT	09:45 AIT	09:45 AIT	
21/05/2018	8810	SU-CBY	CRJ900	[Pilot Icons]	[Crew Icons]	AIT - HEL - p	11:00 AIT	11:00 AIT	
21/05/2018	8880	SU-CBY	CRJ900	[Pilot Icons]	[Crew Icons]	HEL - p - AIT	12:00 AIT	12:00 AIT	
21/05/2018	848	SU-CBY	CRJ900	[Pilot Icons]	[Crew Icons]	AIT - CAI	08:45 AIT	08:45 AIT	

- View Schedule .
- Profile monitoring .
- Leave management .
- Crew notification lists following flight and crew schedule changes.

Code	Title	Created Date	Created By	Actions
01	Circular one	17/05/2018	admin	[Edit] [Delete]
02	Circular one	13/05/2018	admin	[Edit] [Delete]
04	Circular public	18/05/2018	admin	[Edit] [Delete]
05	Circular Public test Second time	15/05/2018	admin	[Edit] [Delete]

My iFlights (web)


used to track, manage and store Manuals and Forms. It's capable of keeping a record of the various versions created and modified by system admins (history tracking) .

- Internal communication channels
- Announcements and docs visibility tracking
- E-Library (Manuals and Forms)

Title	Created Date	Manual Version	Manual Form	Actions
001	14/05/2018	[Icon]	[Icon]	[Icon]
002	14/05/2018	[Icon]	[Icon]	[Icon]
003	14/05/2018	[Icon]	[Icon]	[Icon]


Statistical Reports

•iFlights System list in professional view Flight Schedule grouped by Flights listing all flight information (Clients, Route, DEP Time, Cockpit crew, Cabin crew and Arrival Time)



Day	AC	F.No	Client	Route	Dep	Pilots	Cabin Crew	Arr
27/12 SUN	SU-CBG	665		CAI / UVL / CAI	08:00		ELSAWAF / ZEINAB	16:30
	SU-CBH	331		CAI / MEL -p / CAI	09:00		HANY / FADY	12:05
	SU-CBF	551		CAI / ARD -p / CAI	09:15		SHADY / NASER	11:25
	SU-CBN	109		CAI / RSH -p / CAI	09:30		OMAR / SEDKY	11:50
	SU-CBF	415		CAI / ARD -p / RZB -p / ARD -p / CAI	12:00		SARA / MOUNIR	16:40
	SU-CBN	401		CAI / RZB -p / CAI	13:00		NERMEEN / MORSY / SHEHAB	15:40
	SU-CBH	561		CAI / ARD -p / CAI	13:15		OMAR / SEDKY	15:25
				StandBy				
				StandBy			HESHAM / KHAIRY / WALLEY	
				Office Duty	09:00		MARWA / NOHA	
28/12 MON	SU-CBY	947		CAI / HBE / MEL -p / HBE / CAI	09:30		MOSTAFA / FARAH	14:10
	SU-CBY	791		CAI / AQJ / CAI	16:00		HESHAM / ENABA	19:10
	SU-CBY	020		CAI / SSH	20:00		DALIA / LAMIS	21:15
	SU-CBJ	021		SSH / CAI	06:00		DINA / WAEL	07:15
	SU-CBF	447		CAI / RSH -p / ARD -p / CAI	08:30		MOETAZ / MEDHAT	11:30
	SU-CBH	111		CAI / RSH -p / CAI	09:30		ZOHNY / ELHENDY	11:50
	SU-CBG	555		CAI / ARD -p / CAI	12:30		ZOHNY / ELHENDY	14:40
				StandBy				
			StandBy			HANAA / OMAR / RAMDAN		


•Pilot total Hours report In details with showing the following statistics (total month hours, total observer time, Current year hour, Total on type and Grand total) all these times



Monthly Hours With Observer Times
Current Month : 01 February - 10 February / Current Year : 2021

AC Type	Pilot Name	Month Hrs	Total Observer	Year Hrs	Total on Type	Grand Total
Dash 8		6:35	0:00	35:54	4222:17	9469:56
		4:55	0:00	28:21	9701:15	15429:12
		2:30	0:00	21:20	10460:56	13569:22
		3:20	0:00	31:50	9097:48	10560:33
		3:50	0:00	32:30	5720:46	7020:51
		0:00	0:00	25:40	3486:11	11157:34
		0:00	0:00	6:24	4127:11	8911:39
		0:00	0:00	12:50	6252:21	8348:40
		0:00	0:00	16:10	2555:05	6748:34
		2:30	0:00	19:30	7304:01	11218:36
		0:00	0:00	2:00	2751:54	15156:45
		3:00	0:00	16:15	5443:13	11139:28
		2:30	0:00	21:05	3287:14	11470:54
		2:20	0:00	19:05	3932:00	7915:22
		3:40	1:50	18:20	1271:05	4408:45
		0:00	0:00	17:30	700:45	12856:25
		1:00	0:00	13:55	637:33	7088:53
		3:20	0:00	13:05	741:40	4261:20
		0:00	0:00	10:39	2289:30	2538:40
		4:50	0:00	22:55	1561:38	1802:14


•iFlights view Schvedule Summary Report with all data



Schedule Summary Report
From: 27/12/2020 - To: 29/12/2020

ACType	Pilot Name	Flying Hrs	Flights	Stand By	JumpSeat	Training Transactions	Tickets	Leave	Sick Days	Days Off	Duty Hrs	Last Flight Date
		0:00	0	1	0	0	0	0	0	1	4:0	06-02-2021
		9:00	3	0	0	0	0	0	0	0	23:10	06-02-2021
		0:00	0	0	0	0	0	3	0	3	0:0	01-02-2021
		8:15	4	0	0	0	0	0	0	1	15:55	05-02-2021
		0:00	0	0	0	0	0	3	0	3	0:0	06-02-2021
		0:00	0	0	0	0	0	3	0	3	0:0	27-01-2021
		4:20	2	0	0	0	0	0	0	1	8:30	17-01-2021
		0:00	0	0	0	0	0	0	0	3	0:0	24-01-2021
		4:05	2	1	0	0	0	0	0	0	12:50	14-01-2021
		11:40	5	0	0	0	0	0	0	0	20:35	02-02-2021
		0:00	0	0	0	0	0	0	3	3	0:0	14-01-2021
		0:00	0	0	0	0	0	3	0	3	0:0	04-02-2021
		0:00	0	0	0	0	0	0	0	3	0:0	06-02-2021
		0:00	0	0	0	0	0	3	0	3	0:0	01-02-2021
		1:25	1	0	0	0	0	0	0	0	3:25	06-02-2021
		0:00	0	0	0	0	0	3	0	3	0:0	31-01-2021
		0:00	0	0	0	0	0	3	0	3	0:0	01-02-2021
		0:00	0	0	0	0	0	3	0	3	0:0	02-02-2021
Dash 8		0:00	0	0	0	0	0	3	0	3	0:0	29-01-2021
		0:00	0	0	0	0	0	3	0	3	0:0	06-02-2021

•List with all Augmented Flights in specific date range



AUG Flights
Current Month: 01 January - 01 July / Current Year: 2020

S/N	Sector Date	Type	Destinations	A/B	Chox On	Pilots
1	05-01-2020	Dash 8	CAI / ARD -p / RZB -p / ARD -p / CAI	13:40	17:10	
2	09-01-2020	CRJ900	CAI / ASW / CAI	16:09	19:47	
3	01-05-2020	CRJ900	CAI / SPU / FRA	02:14		
4	27-05-2020	CRJ900	CAI / AUH / MED / CAI			

COMMERCIAL REPORTS



Flying Hours
No Of Flights
ACType Total Hours

OPERATION REPORTS

Pilot Simulation hours

Pilots Hours Summary

Pilots Average Hours

Pilots Hours And DayOFF

All Pilot Login Status For LastDays

Pilot Log Details

Pilots Documents Expiry

PAX and Fuel

Current Pilots Hours (Monthly & Annual)

Airplane Fuel

Sector Fuel

Commercial Flights by sectors

Commercial Flights by sectors With Crew

Commercial Flights by sectors (AC based)

Commercial Flights by sectors (AC based) With Crew

International Flights by sectors

Flights with notes

Crew Movement

Crew No Of Flights

All Pilots Status By Destination

Pilots Destination Details

Pilots Status Summary

Total Duty hours

Pilots Hours Within Range

All Pilots Status

All Pilots Crew Movement

Pilots Average Hours Month Comparison

All Pilots Hours and Days Summary

Flight Schedule by Sectors

Flight Schedule by Flights

Monthly Hours Details

Schedule Summary Report

Monthly Hours With Observer Times

Pilots Observer Hours

90 Days Currency

Number Of International Flights

Pilot Hours

Pilot DHD Hours

Pilot Night City

Last Destination For AirCRAFT

Flights Status

The most saving crew

Pilots Fatigue

Pilot Fatigue Details



CABINCREW REPORTS

Crews Destination Details

All CabinCrews Login Status For LastDays

Crew Log Details

Crew Duty Hours

Crew status summary

Crew Hours

Crew DHD Hours

Crew Night Stop

Crew Hours Summary

Cabin Crew Movement

All Crew Profiles

Crew UserNames

Flight Schedule

Flight Schedule by Flights

CabinCrew Documents Expiry

All Crew Status By Destination



TRAINING REPORTS

Pilots Courses Info

Flight Schedule by Flights



STATISTICS REPORTS

Flights Details

Pilots Status Summary

Total Duty hours

Current Pilots Hours (Monthly & Annual)

All Pilots Crew Movement

All Pilots Status



Operational Control Center [OCC]

•Sector details screen in order to enable OCC specialists from feeding system with actual data coming from Voyage reports with all actual hours info, Crew, cargo and Fuel information

Also iFlights designed with open interfacing model to interface with live apps to get automatic feeds to update Flights actual data.

SECTOR DETAILS | Home | OCC | Search Results

Update Sector details

Flight No. 665 - Route: CAI - UVL - STD STA 06:10 - 07:30

Pilots: [Pilot 1] [Pilot 2]

Cabin Crew: [Crew 1] [Crew 2]

Flight No. 665 - 15/11/2020 - Aircraft Registration: SU-CBC - Initial AC: SU-CBC - It Heavy

From airport: CAI - To airport: UVL - NightStop Airport: F/O As PF

TIME INFO GENERAL INFO DELAYS INFO

All Times in system local time (UTC 0)

ATO*	Uplift	Alt	Wt
05:00	06:10	06:24	00:00
13A	13:00	13:15	00:00
07:30	07:43	07:50	00:00

SAVE CANCEL

My iFlights

Combination of all features of My iFlights (web) and Crew Portal (web) to be accessible on mobile app using the power of mobile device capabilities i.e. (Notifications for all new manuals, forms, circulars and new schedule version).

You can check out full features for Myflights Mobile App inside it's product Catalogue. for more information to download this product catalogue please visit iFlights.aero website



Maintenance and Engineering

•After signing NDA agreement between I-Valley software solutions and Swiss Aviation to integrate iFlights with AMOS Maintenance software with the scope of updating AMOS system with all Actual flying hours information for all registered aircrafts in the system

In order to help the maintenance system from calculating all aircrafts maintenance programs.



It's time to fly