



ATC Management version 2.0

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by
Carlo Chiappisi**

Description

The program allows the complete management in automatic way of all the activities of the ATC Controller through series of important informations that will be shown you in video. The program show you all need informations to allow to assign SID and STAR Parameters of flight and Flight Plan.

The program can be used also ACC, DEP, TWR, GND Controller.

The program has been completely reprogrammed in the algorithms and with many functions that allow a continous control of the aircraft under own responsibility. The controlle besides assigning SID and STAR will control the flight parameters and the position in each moment of the aircraft and, if necessary, informs the pilot of the changes to be made.

Installation

To run the program you need the Runtime Library of Visual Basic 6. This software is already installed on Windows OS. In other way you have download the MSVBRUN6.dll from Microsoft website.

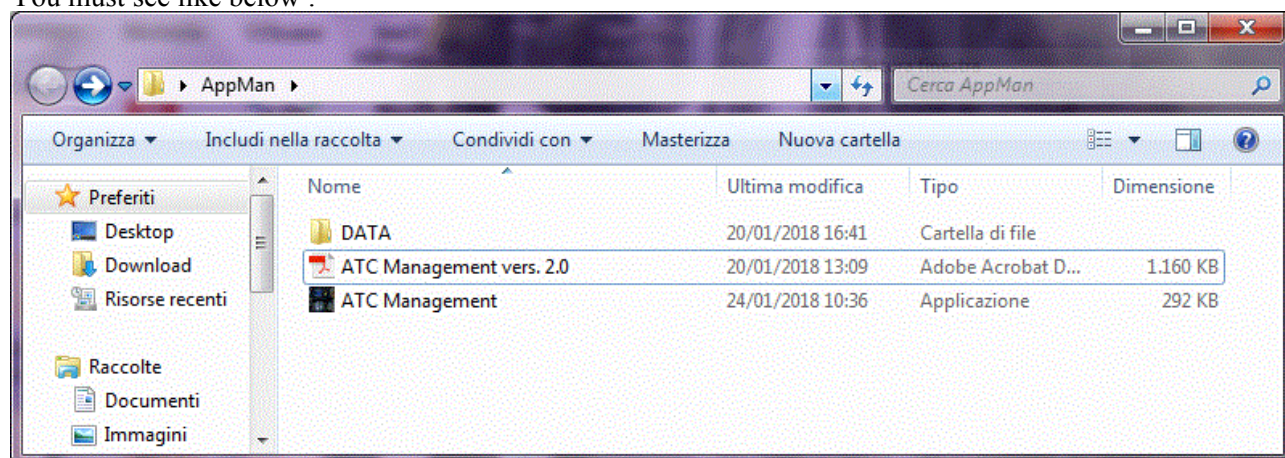
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The program doesn't need to be installed, you can copy the files in a directory of your choice.

You must have in your main folder the file ATC Management.exe , the manual in pdf and the folder DATA.

You must download PMDG airac in your PC.

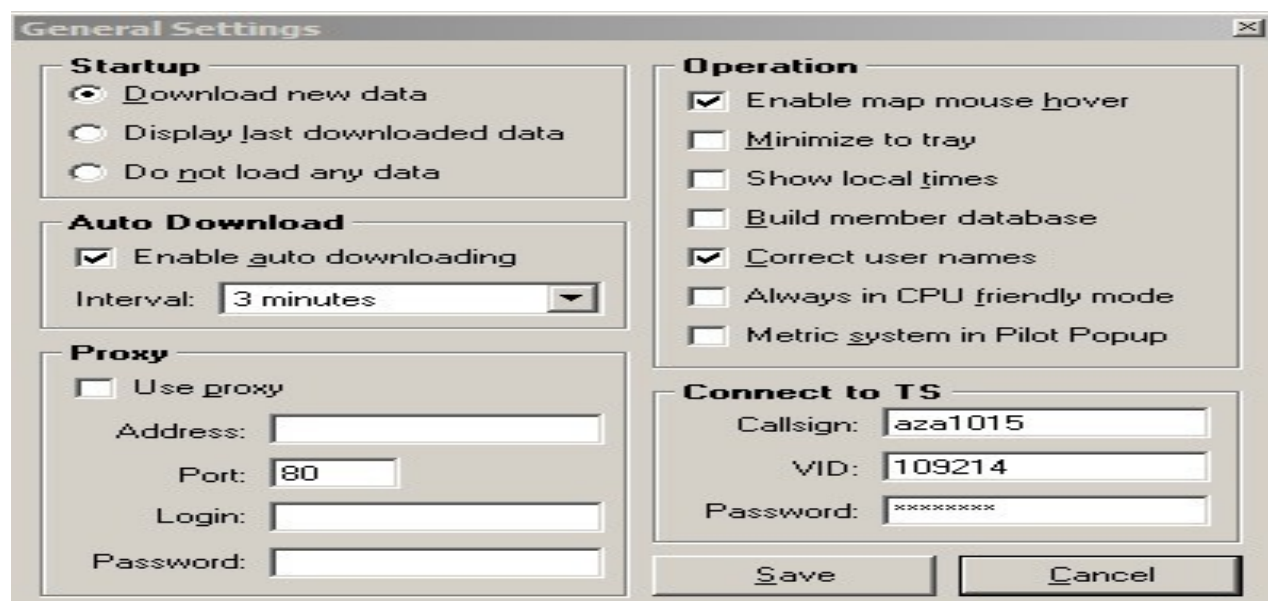
You must see like below :



The program to work must have the IVAE software (The Eye) always open and minimized

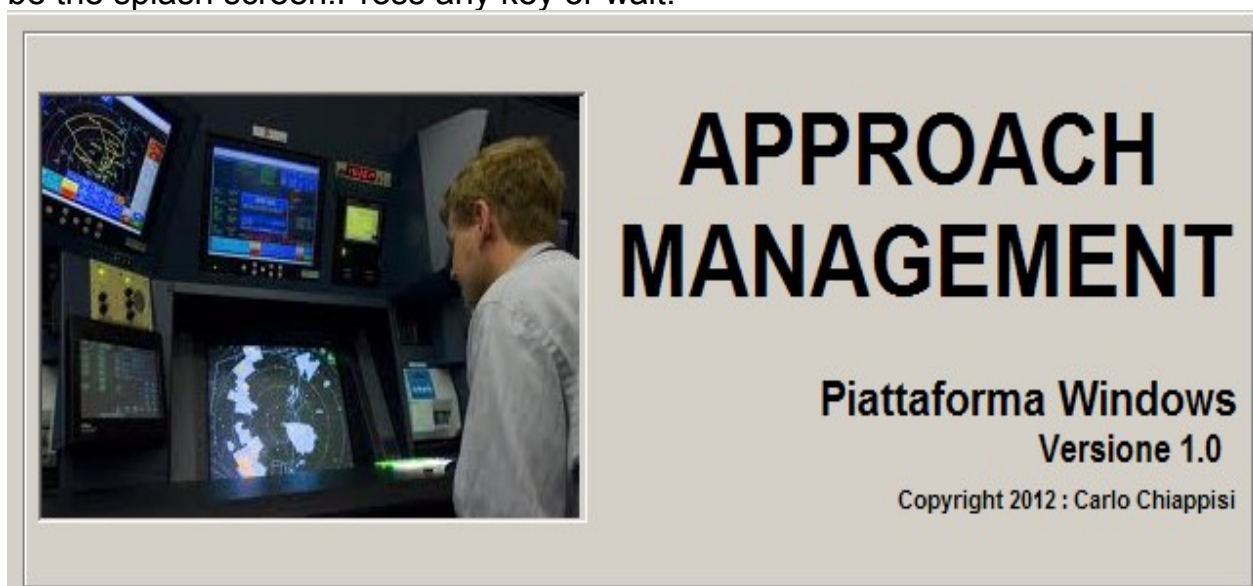


The setting like below



Using Approach Management

Once you've started the program you'll see the main window. The first window will be the splash screen. Press any key or wait.



The second window will be the main window. To start you have to insert your Ivao Account (normally your Name and Surname but if it doesn't work insert VID IVAO number). You can insert your Name and Surname after you have set the SID/STAR Folder and Data EYE Folder. **THIS IS THE FIRST IMPORTANT ACTIVITY TO DO.**

APPROACH MANAGEMENT

INSERT YOUR IVAO ACCOUNT TO CONNECT (NORMALLY NAME AND SURNAME BUT IF DON'T WORK INSERT VID NUMBER)

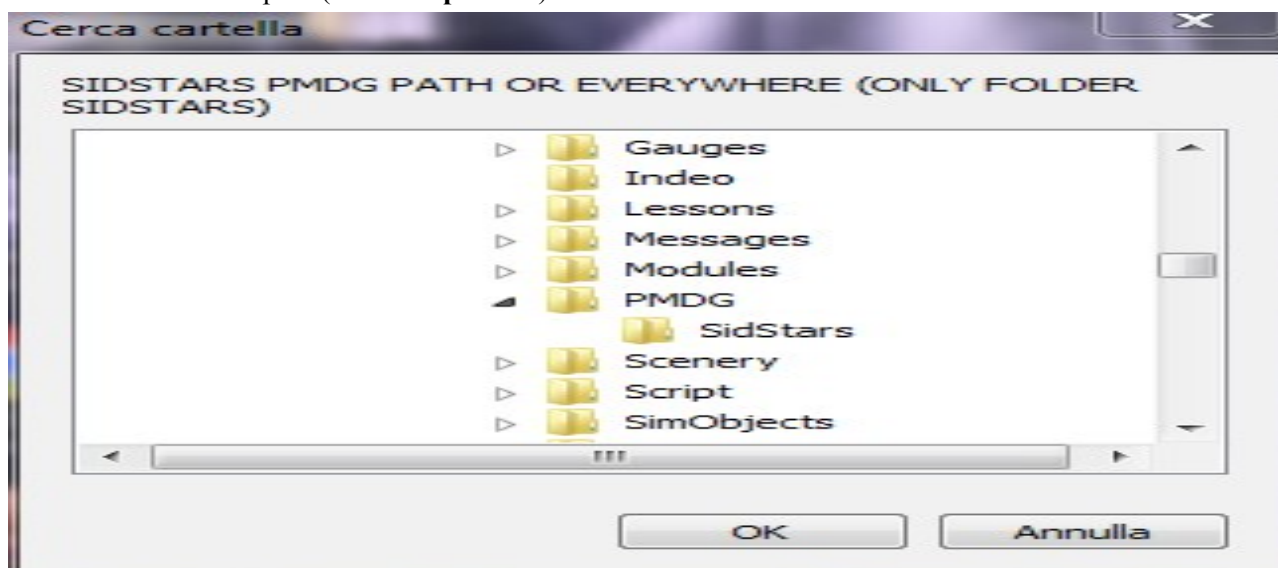
OPERATOR/VID	POSITION NAME	AIRPORT NAME	YOUR RATING
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

CONNECT TO IVAO SERVER	T.A.	QNH hPa	QNH inHg	T.L.	ATIS INFORMATION	DEPARTURE CLRS GENERATOR	APPROACH CLRS GENERATOR	SID/STAR FOLDER	DATA EYE FOLDER	RESET SUB WINDOW	RESET	EXIT
<input type="button"/>	<input type="button"/>	<input type="button"/>	<input type="button"/>	<input type="button"/>	<input type="button"/>	<input type="button"/>	<input type="button"/>	<input type="button"/>	<input type="button"/>	<input type="button"/>	<input type="button"/>	<input type="button"/>

PAY ATTENTION!!!!

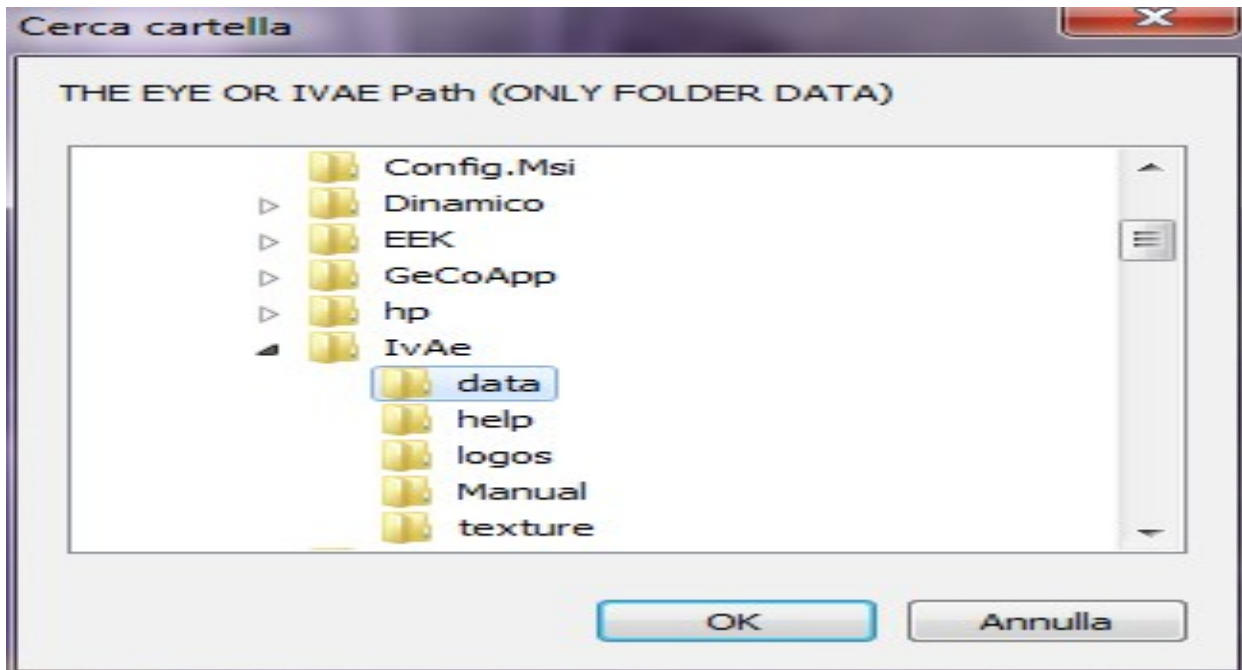
BEFORE ALL YOU MUST SET THE SID/STAR FOLDER AND DATA EYE FOLDER.

In the SID/STAR FOLDER you must see like below. PAY ATTENTION you have to choose the only folder SidStar below PMDG path (**this is important**):



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In the DATA EYE FOLDER you must see like below. PAY ATTENTION you have to choice the only folder DATA of EYE or IVAE path (**this is important**):



After you set the two folder you can insert your Name and Surname (IVAO Account) or VID IVAO number. After press "CONNECT TO IVAO SERVER " command you will be able to see all the informations of your emplacement. All the buttons will be active.

APPROACH MANAGEMENT

INSERT YOUR IVAO ACCOUNT TO CONNECT (NORMALLY NAME AND SURNAME BUT IF DON'T WORK INSERT VID NUMBER)

OPERATOR/VID	324050	POSITION NAME :	EDDM_APP	AIRPORT NAME:	MUNICH	YOUR RATING :	ADC : Aerodrome Controller				
CONNECT TO IVAO SERVER	T.A. 5000	QNH hPa 1011	QNH inHg 29,85	T.L. 65	ATIS INFORMATION	DEPARTURE CLRS GENERATOR	APPROACH CLRS GENERATOR	DATA EYE FOLDER	SID/STAR FOLDER	RESET SUB WINDOW	RESET EXIT

Press the "ATIS INFORMATION " and you will be able to see all the atis informations of your airport.

APPROACH MANAGEMENT

INSERT YOUR IVAO ACCOUNT TO CONNECT (NORMALLY NAME AND SURNAME BUT IF DON'T WORK INSERT VID NUMBER)

OPERATOR/VID	324050	POSITION NAME :	EDDM_APP	AIRPORT NAME:	MUNICH	YOUR RATING :	ADC : Aerodrome Controller				
CONNECT TO IVAO SERVER	T.A. 5000	QNH hPa 1011	QNH inHg 29,85	T.L. 65	ATIS INFORMATION	DEPARTURE CLRS GENERATOR	APPROACH CLRS GENERATOR	DATA EYE FOLDER	SID/STAR FOLDER	RESET SUB WINDOW	RESET EXIT

ATIS INFORMATION

eu2.ts.ivao.aero/EDDM_APP*\$München Radar information
FOXTROT recorded at 1902z*\$ EDDM 191850Z 18005KT 9999
FEW030TCU SCT060 01/M01 Q1011 NOSIG *\$ARR RWY 26L/R /
DEP RWY 26L/R / TRL FL70 / TA 5000FT*\$CONFIRM ATIS INFO
FOXTROT on initial contact

AIRAC Cycle : 1712
(09/NOV/2017 - 06/DEC/2017) -
Ver.1

APPROACH CONTROL

Controls the airspace up to 30NM away from the airport, up to 15,000 ft (usually). Handles all aircraft leaving or arriving at an airport, until they are established on the ILS (then gives the plane to TWR) or are leaving their airspace to continue flight (then hands off to CTR) Approach is the most complicated position. Approach controllers deal with all traffic arriving and leaving (unless there is a departures controller - unusual). The main aim, as always, is to keep the aircraft arriving and leaving

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The "DEPARTURE CLRS GENERATOR" command it's being used for managing all the departures. You can assign a squawk code and in base of the shown informations to assign a SID. you will be able to know all the data of the aircraft that you have clicked. In this window is present a listbox with the Rules of Thumbs to have a principle with broad application that is not intended to be strictly accurate or reliable for every situation. It refer to an easily learned and easily applied procedure or standard, based on practical experience rather than theory.

APPROACH MANAGEMENT

INSERT YOUR IVAO ACCOUNT TO CONNECT (NORMALLY NAME AND SURNAME BUT IF DON'T WORK INSERT VID NUMBER)

OPERATOR/VID: 324050 POSITION NAME: EDDM_APP AIRPORT NAME: MUNICH YOUR RATING: ADC : Aerodrome Controller

CONNECT TO IVAO SERVER: 5000 1011 29,85 65 ATIS INFORMATION DEPARTURE CLRS GENERATOR APPROACH CLRS GENERATOR DATA EYE FOLDER SID/STAR FOLDER RESET SUB WINDOW RESET EXIT

IFR DEPARTURE CLEARANCE AND SQUAWK CODE ASSIGN

Select T/O: Rwy Select Sid: Insert Initial Climb: DEPARTURE ACFT: BCS275 BER9537 CAG2710 CAG8814 CLRS ASSIGNED: EXPECTED SID FILED: IFR DEPARTURE CLEARANCE: SID ASSIGNED: RULES OF THUMBES: Altimeter correction pressure Altimeter correction temperature SAT out of TAT SAT out of TAT for higher Mach and lower Level Off procedure if R/C > 1000 feet/mi Level Off procedure if R/C > 1000 feet/mi Cruise Flight Level computation Vertical Speed to rejoin assigned altitud To obtain TAS out of Mach-number To find TAS out of IAS and FL Ground Speed out of Mach

SQUAWK CODE AVAILABLE: 6000

REMOVE AIRCRAFT SHOW FLIGHT PLAN GENERATE IFR DEPARTURE CLEARANCE SQUAWK CODE RANGE: RANGE 6000 - 6077 AIRCRAFT ACTIVITY: PARAMETERS FLIGHT: DISTANCE FROM TO TOTAL NM ENDURANCE TAS FILED FL FILED CURRENT SPEED CURRENT ALT REMAIN NM AIRSPACE POSITION

If you emphasize an aircraft you will be able to see the flight situation in that moment.

APPROACH MANAGEMENT

INSERT YOUR IVAO ACCOUNT TO CONNECT (NORMALLY NAME AND SURNAME BUT IF DON'T WORK INSERT VID NUMBER)

OPERATOR/VID: 324050 POSITION NAME: EDDM_APP AIRPORT NAME: MUNICH YOUR RATING: ADC : Aerodrome Controller

CONNECT TO IVAO SERVER: 5000 1011 29,85 65 ATIS INFORMATION DEPARTURE CLRS GENERATOR APPROACH CLRS GENERATOR DATA EYE FOLDER SID/STAR FOLDER RESET SUB WINDOW RESET EXIT

IFR DEPARTURE CLEARANCE AND SQUAWK CODE ASSIGN

Select T/O: Rwy Select Sid: Insert Initial Climb: DEPARTURE ACFT: AUA553 BAW957L BCS275 BEL25Y CLRS ASSIGNED: EXPECTED SID FILED: IFR DEPARTURE CLEARANCE: SID ASSIGNED: RULES OF THUMBES: Altimeter correction pressure Altimeter correction temperature SAT out of TAT SAT out of TAT for higher Mach and lower Level Off procedure if R/C > 1000 feet/mi Level Off procedure if R/C > 1000 feet/mi Cruise Flight Level computation Vertical Speed to rejoin assigned altitud To obtain TAS out of Mach-number To find TAS out of IAS and FL Ground Speed out of Mach

SQUAWK CODE AVAILABLE: 6000

REMOVE AIRCRAFT SHOW FLIGHT PLAN GENERATE IFR DEPARTURE CLEARANCE SQUAWK CODE RANGE: RANGE 6000 - 6077 AIRCRAFT ACTIVITY: APPROACHING PARAMETERS FLIGHT: NORMAL DISTANCE FROM TO TOTAL NM ENDURANCE TAS FILED FL FILED CURRENT SPEED CURRENT ALT REMAIN NM AIRSPACE POSITION

You can see the flight plan of the aircraft emphasized press SHOW FLIGHT PLAN.

INTERNATIONAL FLIGHT PLAN

7 AIRCRAFT IDENT. 8 FLIGHT RULES TYPE OF FLIGHT

<<= (FPL - BCS275 - I - N <<=

9 NUMBER TYPE OF AIRCRAFT WAKE TURB. CAT 10 EQUIPMENT

A332 / H - SDE2E3FGIJRWYZ/LB1

13 DEPARTURE AERODROME TIME 15 CRUISING SPEED LEVEL

- EDDM - 18:40 - 449 320 <<=

ROUTE

INPUTD2S INPUTD Y102 ALIBU DCT KEMAD UP605 NOLGO NOLGO3A

16 DESTINATION TOTAL EET HR MIN ALTN AERODROME 2ND ALTN AERODROME

- EDDH - 01:02 - EDDW - <<=

18 OTHER INFORMATION

PBN/BICID10ISX DOF/180119 RMK/TCAS CARGO CS/EUROTRANS

19 SUPPLEMENTARY INFORMATION

ENDURANCE HR MIN PERSON ON BOARD PILOT IN COMMAND

E / 02:30 P / 2 C / Klaus-Gerhard Zissel

= field required for IFR and VFR = field required for IFR Not highlighted field = field not required for domestic ICAO

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To generate IFR SID Clearance you must insert the runway in use, the SID and the initial SID climb and press the Generate IFR departure clearance command you will be able to have all the informations on the assigned SID.

APPROACH MANAGEMENT

INSERT YOUR IVAO ACCOUNT TO CONNECT (NORMALLY NAME AND SURNAME BUT IF DON'T WORK INSERT VID NUMBER)

OPERATOR/VID: 324050 POSITION NAME: EDDM_APP AIRPORT NAME: (MUNICH) YOUR RATING: ADC : Aerodrome Controller

CONNECT TO IVAO SERVER: 5000 1011 29,85 65 ATIS INFORMATION DEPARTURE CLRS GENERATOR APPROACH CLRS GENERATOR DATA EYE FOLDER SID/STAR FOLDER RESET SUB WINDOW RESET EXIT

IFR DEPARTURE CLEARANCE AND SQUAWK CODE ASSIGN

Select T/O: 26L Select Sid: TURB6E Insert Initial Climb: 5000

DEPARTURE ACFT: BCS275 CAG2710 CAG8814 DLH11V

CLRS ASSIGNED: BER9537 - 6000

EXPECTED SID FILED: TURBU

IFR DEPARTURE CLEARANCE: AIR BERLIN 9537 CLEAR TO DEST LEPA AS FLIGHT PLANNED ROUTE VIA TURB6E STANDARD DEPARTURE CLIMB AND MAINTAIN 5000 FEET INITIALLY SQUAWK 6000

SID ASSIGNED: SID TURB6E RNV 08R TRK 080 UNTIL 1900 FIX DIM081 FIX ALONG SPEED 230 FIX LAKOL SPEED 250 FIX TURBU

RULES OF THUMBES: Altimeter correction pressure, Altimeter correction temperature, SAT out of TAT, SAT out of TAT for higher Mach and lower Level Off procedure if R/C = 1000 feet/min, Level Off procedure if R/C > 1000 feet/min, Cruise Flight Level computation, Vertical Speed to rejoin assigned altitude, To obtain TAS out of Mach-number, To find TAS out of IAS and FL, Ground Speed out of Mach

REMOVE AIRCRAFT SHOW FLIGHT PLAN GENERATE IFR DEPARTURE CLEARANCE

SQUAWK CODE RANGE: 6000 - 6077

AIRCRAFT ACTIVITY: EN ROUTE

PARAMETERS FLIGHT: NORMAL

DISTANCE FROM: EDDM TO LEPA TOTAL NM: 656 ENDURANCE: 02 08 TAS FILED: 420 FL FILED: 370 CURRENT SPEED: 378 CURRENT ALT: 36974 REMAIN NM: 271 AIRSPACE POSITION: LFMM

The "APPROACH CLRS GENERATOR" command it's being used for managing all the arrivals. You can see in the label expected star, the star that you can assign. you will be able to know all the data of the aircraft you have clicked. You will see ILS/LOC/VOR procedures.

APPROACH MANAGEMENT

INSERT YOUR IVAO ACCOUNT TO CONNECT (NORMALLY NAME AND SURNAME BUT IF DON'T WORK INSERT VID NUMBER)

OPERATOR/VID: 324050 POSITION NAME: EDDM_APP AIRPORT NAME: (MUNICH) YOUR RATING: ADC : Aerodrome Controller

CONNECT TO IVAO SERVER: 5000 1011 29,85 65 ATIS INFORMATION DEPARTURE CLRS GENERATOR APPROACH CLRS GENERATOR DATA EYE FOLDER SID/STAR FOLDER RESET SUB WINDOW RESET EXIT

STARS AND APPROACH CLEARANCE GENERATOR

Select Land: AUA117L Select Star: AUA117L Insert Initial Descend: 5000

ARRIVAL ACFT: AUA117L AUA122E BCS495 BER124

STAR ASSIGNED: NAPS

EXPECTED STAR: NAPS

IFR STAR CLEARANCE: AUSTRIAN

STAR ASSIGNED: NAPS

RULES OF THUMBES: Altimeter correction pressure, Altimeter correction temperature, SAT out of TAT, SAT out of TAT for higher Mach and lower Level Off procedure if R/C = 1000 feet/min, Level Off procedure if R/C > 1000 feet/min, Cruise Flight Level computation, Vertical Speed to rejoin assigned altitude, To obtain TAS out of Mach-number, To find TAS out of IAS and FL, Ground Speed out of Mach

REMOVE AIRCRAFT SHOW FLIGHT PLAN GENERATE STAR AND APPROACH CLEARANCE

SQUAWK CODE AVAILABLE: 6000

PARAMETERS FLIGHT: NORMAL

AIRCRAFT ACTIVITY: APPROACHING

DISTANCE TO AIRPORT OF: AUA117L NM: 10 SPEED: 178 ENDURANCE: 00 01 SQUAWK ASSIGNED: 7311 CURRENT ALTITUDE: 4750 REAL ETA: 21 14

To generate IFR STAR Clearance you must insert the runway in use, the star and the initial STAR descend and press the Generate STAR and approach clearance command you will be able to have all the informations on the assigned STAR and ILS/LOC/VOR procedures.

APPROACH MANAGEMENT

INSERT YOUR IVAO ACCOUNT TO CONNECT (NORMALLY NAME AND SURNAME BUT IF DON'T WORK INSERT VID NUMBER)

OPERATOR/VID: 109214 POSITION NAME: LICJ_APP AIRPORT NAME: (PUNTA RAISI) YOUR RATING: APC : Approach Controller

CONNECT TO IVAO SERVER: 5000 1015 29,97 60 ATIS INFORMATION DEPARTURE CLRS GENERATOR APPROACH CLRS GENERATOR DATA EYE FOLDER SID/STAR FOLDER RESET SUB WINDOW RESET EXIT

STARS AND APPROACH CLEARANCE GENERATOR

Select Land: 25 Select Star: GIAN2A Insert Initial Descend: 5000

ARRIVAL ACFT: GIA001 WT2018

STAR ASSIGNED: AFL1268 - 6301

EXPECTED STAR: GIANO

IFR STAR CLEARANCE: AEROFLOT 1268 RADAR CONTACT FLY DIRECT GIANO THEN GIAN2A STANDARD ARRIVAL DESCENT AND MAINTAIN 5000 FEET ACCORDING TO THE MINIMA EXPECTED ILS APP RWY 25

STAR ASSIGNED: STAR GIAN2A FIX GIANO FIX ROND FIX AF003 FIX AF004 FIX AF005 FIX CJ363 FIX KOLOR

RULES OF THUMBES: Altimeter correction pressure, Altimeter correction temperature, SAT out of TAT, SAT out of TAT for higher Mach and lower Level Off procedure if R/C = 1000 feet/min, Level Off procedure if R/C > 1000 feet/min, Cruise Flight Level computation, Vertical Speed to rejoin assigned altitude, To obtain TAS out of Mach-number, To find TAS out of IAS and FL, Ground Speed out of Mach

REMOVE AIRCRAFT SHOW FLIGHT PLAN GENERATE STAR AND APPROACH CLEARANCE

SQUAWK CODE AVAILABLE: 6201

PARAMETERS FLIGHT: NORMAL

AIRCRAFT ACTIVITY: DESCENDING

DISTANCE TO AIRPORT OF: AFL1268 NM: 15 SPEED: 296 ENDURANCE: 00 02 SQUAWK ASSIGNED: 6301 CURRENT ALTITUDE: 11290 REAL ETA: 11 3

If you click in the ILS/LOC/VOR procedures you will see the procedures. Click in the box of the procedures to come back.

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APPROACH MANAGEMENT

INSERT YOUR IVAO ACCOUNT TO CONNECT (NORMALLY NAME AND SURNAME BUT IF DON'T WORK INSERT VID NUMBER)

ILS26L FIX NELBI AT OR ABOVE 5000 FIX F126L 2000 RNVW 26L FIX D261B TRK 261 UNTIL 1900 TURN LEFT DIRECT FIX MUN 5000
NDM26L FIX NELBI AT OR ABOVE 5000 FIX SIDME AT OR ABOVE 4040 FIX MSW AT OR ABOVE 2800 FIX 36DMZ AT OR ABOVE 2330 FIX MQ26L 1688 RNVW 26L FIX D261B TRK 261 UNTIL 1900 TURN LEFT DIRECT FIX MUN 5000
RNV26L FIX NELBI AT OR ABOVE 5000 RNVW 26L FIX OVERFLY DIM541 TRK 261 UNTIL 1900 TURN LEFT DIRECT FIX MUN 5000

STARS AND APPROACH CLEARANCE GENERATOR

Select Land Rwy: 26L
Select Star: NAPS2A
Insert Initial Descend: 5000

ARRIVAL ACFT: AUA122E, BC5495, BER124, BX737
STAR ASSIGNED: AUA117L - 7311

EXPECTED STAR: NAPSA
ILS/LOC/VOR PROCEDURES: ILS26L, NDM26L

IFR STAR CLEARANCE: AUSTRIAN 117L RADAR CONTACT FLY DIRECT NAPSA THEN NAPS2A STANDARD ARRIVAL DESCENT AND MAINTAIN 5000 FEET ACCORDING TO THE MINIMA EXPECTED ILS APP RWY 26L

STAR ASSIGNED: STAR NAPS2A FIX NAPSA AT OR BELOW 11000 FIX MUN

RULES OF THUMBES: Altimeter correction pressure, Altimeter correction temperature, SAT out of TAT, SAT out of TAT for higher Mach and lower Level Off procedure if R/C = 1000 feet/min, Level Off procedure if R/C > 1000 feet/min, Cruise Flight Level computation, Vertical Speed to rejoin assigned altitude, To obtain TAS out of Mach-number, To find TAS out of IAS and FL, Ground Speed out of Mach

PARAMETERS FLIGHT: NORMAL

AIRCRAFT ACTIVITY: APPROACHING

REMOVE AIRCRAFT, SHOW FLIGHT PLAN, GENERATE STAR AND APPROACH CLEARANCE, SQUAWK CODE AVAILABLE, ENDURANCE, SQUAWK ASSIGNED, CURRENT ALTITUDE, REAL ETA

DISTANCE TO AIRPORT OF: AUA117L NM 10 SPEED 178 00 01 7311 4750 21 17

If you click in Rules of thumbs you will see the explanation in the label below.

APPROACH MANAGEMENT

INSERT YOUR IVAO ACCOUNT TO CONNECT (NORMALLY NAME AND SURNAME BUT IF DON'T WORK INSERT VID NUMBER)

OPERATOR/VID: 324050
T.A.: 5000
QNH hPa: 1011
QNH inHg: 29.85
T.L.: 65
ATIS INFORMATION

POSITION NAME: EDDM_APP
AIRPORT NAME: MUNICH
YOUR RATING: ADC: Aerodrome Controller

CONNECT TO IVAO SERVER, DEPARTURE CLRS GENERATOR, APPROACH CLRS GENERATOR, DATA EYE FOLDER, SID/STAR FOLDER, RESET SUB WINDOW, RESET, EXIT

STARS AND APPROACH CLEARANCE GENERATOR

Select Land Rwy:
Select Star:
Insert Initial Descend:

ARRIVAL ACFT: AUA117L, AUA122E, BC5495, BER124
STAR ASSIGNED:

EXPECTED STAR:
ILS/LOC/VOR PROCEDURES:

IFR STAR CLEARANCE:
PARAMETERS FLIGHT:

STAR ASSIGNED:
RULES OF THUMBES: Slant distance overhead a DME - station, Intercepting outbound leg when close to Intercept Heading when passing over sta, Intercept Heading when a little bit off-trac, Top of Descent (idle thrust - 3° descent p, R/D required to be down at certain point, Vertical speed by changing Body Attitude, Vertical speed by changing Body Attitude, Use TAS or IAS in approach, Distance required if you want to maintain Wind correction for descent distance

REMOVE AIRCRAFT, SHOW FLIGHT PLAN, GENERATE STAR AND APPROACH CLEARANCE, SQUAWK CODE AVAILABLE, ENDURANCE, SQUAWK ASSIGNED, CURRENT ALTITUDE, REAL ETA, AIRCRAFT ACTIVITY

DISTANCE TO AIRPORT OF: NM SPEED
TOD (NM) = /EFL / 3. Ex.: FL 280 down to 2000 feet
TOD = 280 / 3 = 87 NM.

The other cmdms are easy to be understood.

Support / Suggestions

If anyone has any questions or suggestions, or any other support issues concerning this software please send an Email to carlo.chiappisi@libero.it and we shall do our best to get back to you as soon as possible.

Disclaimer

This software has been developed using Microsoft Visual Basic 6 and supplied with all necessary runtime files. The software associated files have been virus checked and the programme should run successfully under Windows XP, windows 7 and windows 10.

This software should not damage your PC and software in anyway, but even if you believe it has, myself cannot be held responsible for any problems that may result through its use. Users install and run the software at their own risk.

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Credit

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- AIRAC is copyright Navigraph

Have a Good Control!

Carlo CHIAPPISI