

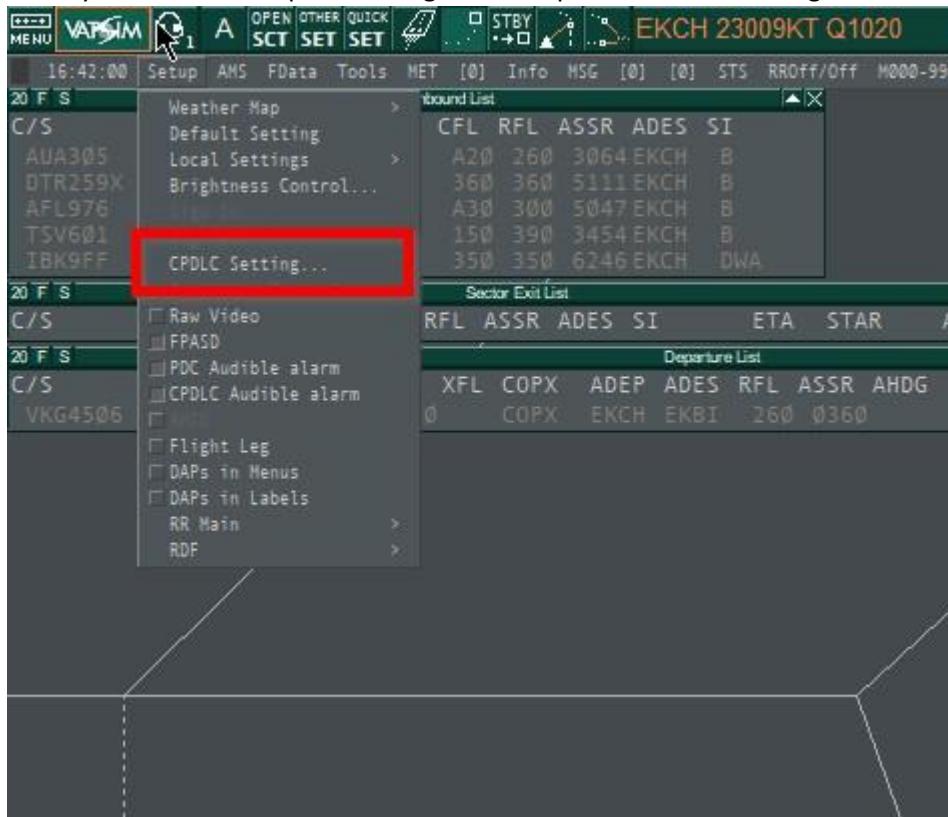
Appendix SUP1.2 – CPDLC Setup

In order to connect to CPDLC, you need a Logon Code from Hoppie. This can be retrieved here:
www.hoppie.nl/acars.

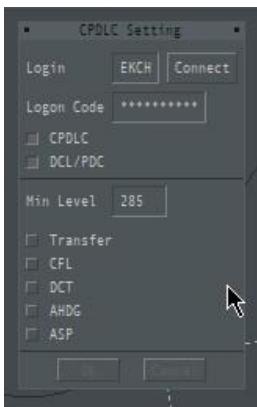
Enter the logon code in the file called “TopSkyCPDLChoppieCode.txt”. Make sure that only your logon code is in this file. If there is anything else, then just remove it.

Connect to Hoppie

When you start Euroscope in EKDK go to "Setup" and "CPDLC Setting" -



A new window opens up in here. If the station you connect as, is defined in the settings, Topsky will automatically enter a Login. Should you have forgotten to enter your Logon Code in the text file, you will be able to enter it here as well.



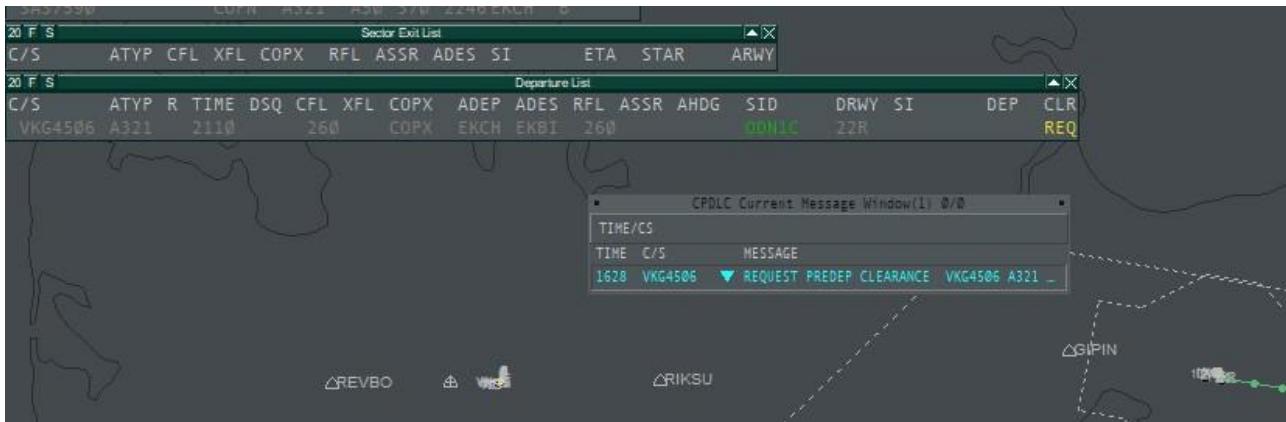
If you are on a ground station only, don't select CPDLC. Use only DCL/PDC as you don't need that function and will not have features available for you.

If you are working an enroute sector, you may activate both. Please note PDC is only available in EKCH and not a regional airports – for now.

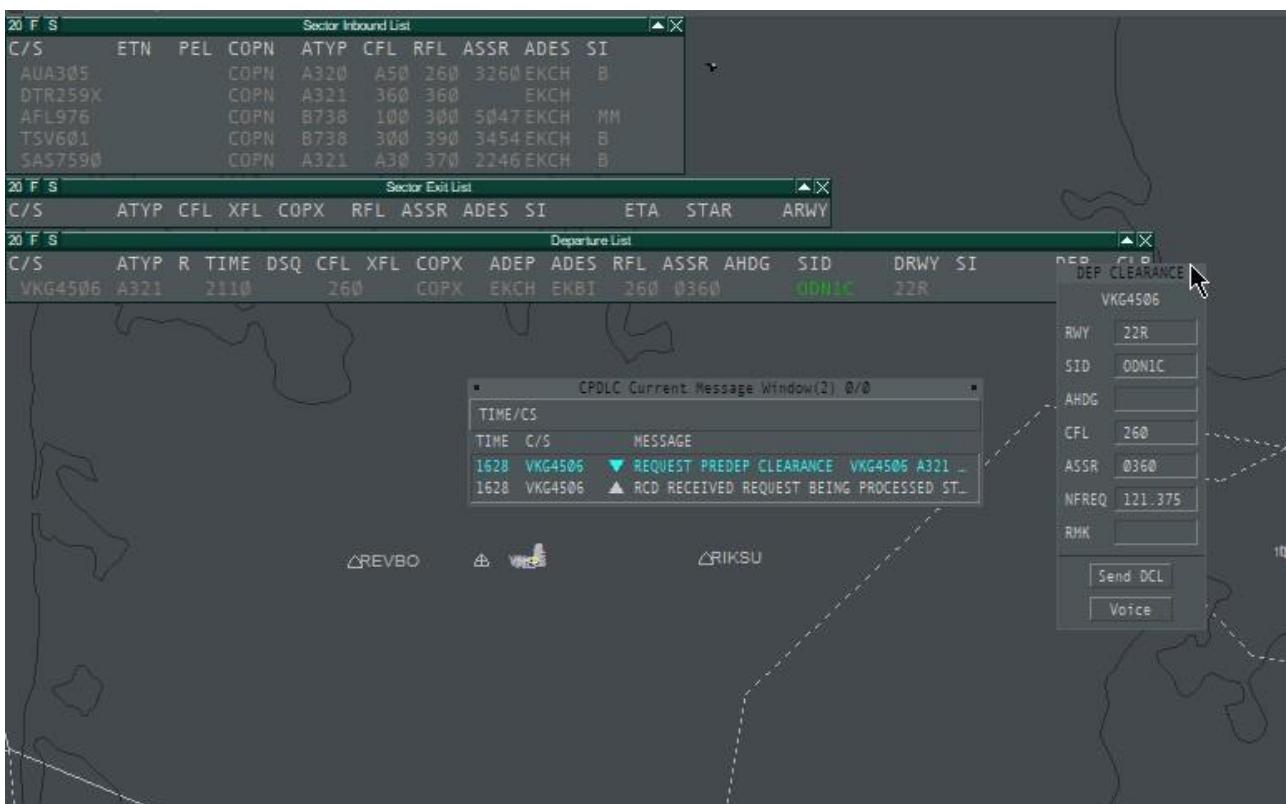
The minimum level is set to FL245, this is also how it is in the real world. ***Per default we set this to ON, so all messages will be sent automatically via CPDLC, unless you deselect it in the menus using “R/T”.***

How to use PDC

Flightplan received in the departure list. Message is seen in the Current Message Window and REQ is showing in “CLR” in the departure list.

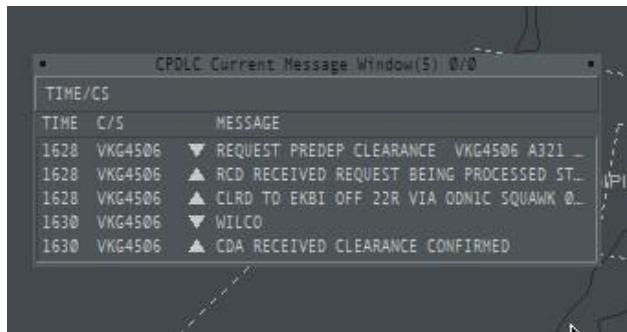


Right click on REQ:

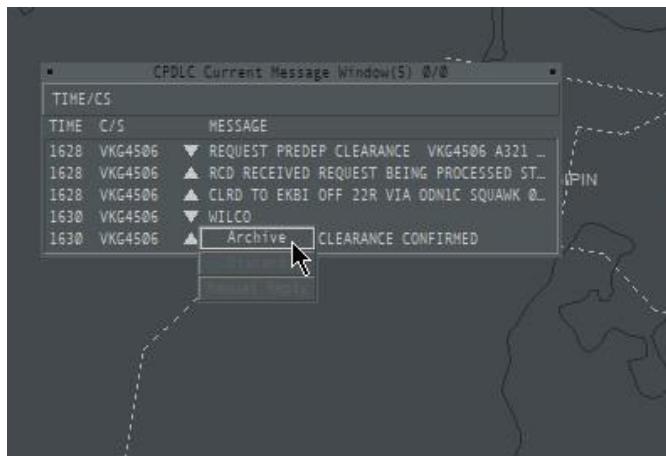


Window shows details – if ok, press “Send DCL”.

If aircraft accepts, messages will be marked as read and it can be archived.

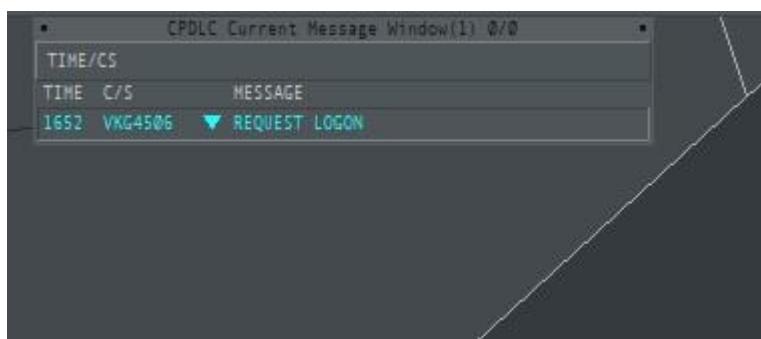


Left click on a message and press “Archive”.

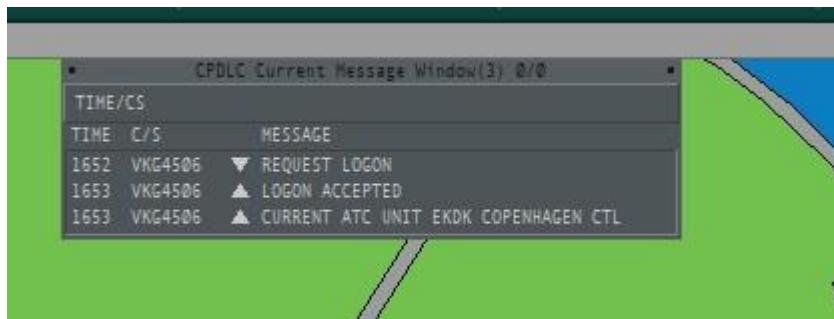
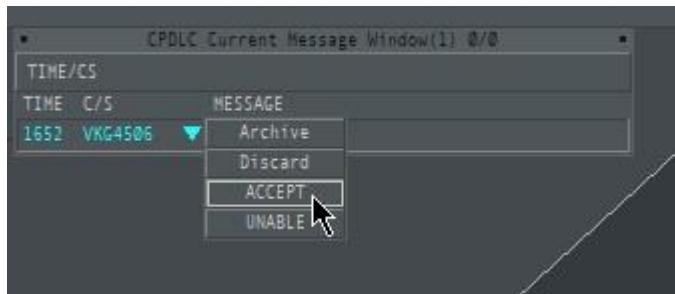


How to use CPDLC:

If an aircraft request CPDLC, they will request a logon. Be advised, that you should only accept these for aircrafts that are airborne. CPDLC will never be available on ground and it is NOT the same as PDC.



If an aircraft is currently about to be handed over to you or is in your airspace, you click on the message and press “Accept”. If the aircraft is not about to enter your airspace and/or CPDLC is not available for the aircraft, you can press “Unable”.



If you are tracking the aircraft, the CPDLC will start automatically if you Accept the logon. In this case a message will be sent to the aircraft, stating that Copenhagen CTL is the current station.

Note: If you are not tracking the aircraft, the CPDLC will not start until you track and you will only see "LOGON Accepted" until you assume the aircraft tag.

Send a SSR-Code via CPDLC.

Sector Exit List											
C/S	ATYP	CFL	XFL	COPX	RFL	ASSR	ADES	SI	ETA	STAR	ARWY
DTR259X	A321	A40	XFL	COPX	360	5111	EKCH		1702	MONAKZF	22L
LOT4	B789	390	390	COPX	390	6307	EPWA	MM	1757		
TSV601	B738	A20	XFL	COPX	390	3454	EKCH		1706	TESPIZF	22L
[VKG4506]	A321	220	XFL	COPX	220	0321	EKBI		1710		27

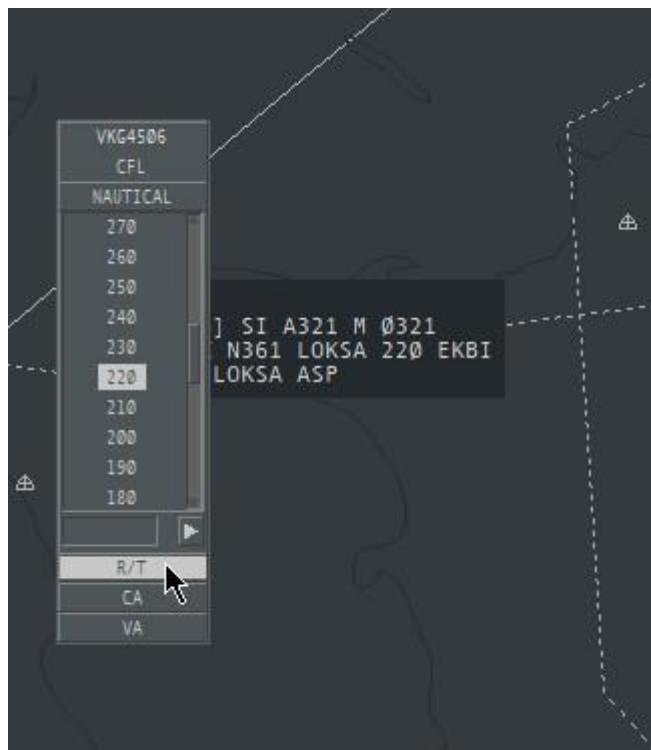
Assign a SSR-Code as usual. When it turns yellow, make a right-click on it.

Sector Exit List											
C/S	ATYP	CFL	XFL	COPX	RFL	ASSR	ADES	SI	ETA	STAR	ARWY
DTR259X	A321	A40	XFL	COPX	360	5111	EKCH		1702	MONAKZF	22L
LOT4	B789	390	390	COPX	390	6307	EPWA	MM	1757		
TSV601	B738	A20	XFL	COPX	390	3454	EKCH		1705	TESPIZF	22L
[VKG4506]	A321	220	XFL	COPX	220	0321	EKBI		1710		27

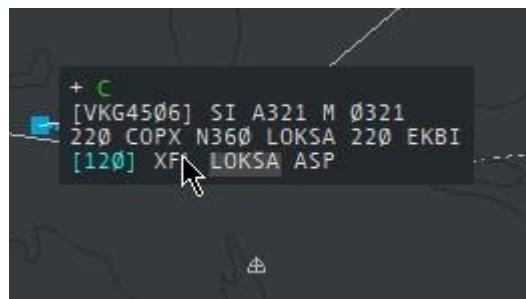
The color changes, and a CPDLC message is being sent. When the aircraft returns with a "WILCO" and set the SSR code, it will be shown as usual in the list.

Important, you can only send this message from the Sector Exit List.

In this case we want to descend this aircraft to FL120. Make sure “R/T” is not highlighted and then enter FL120 to his CFL.



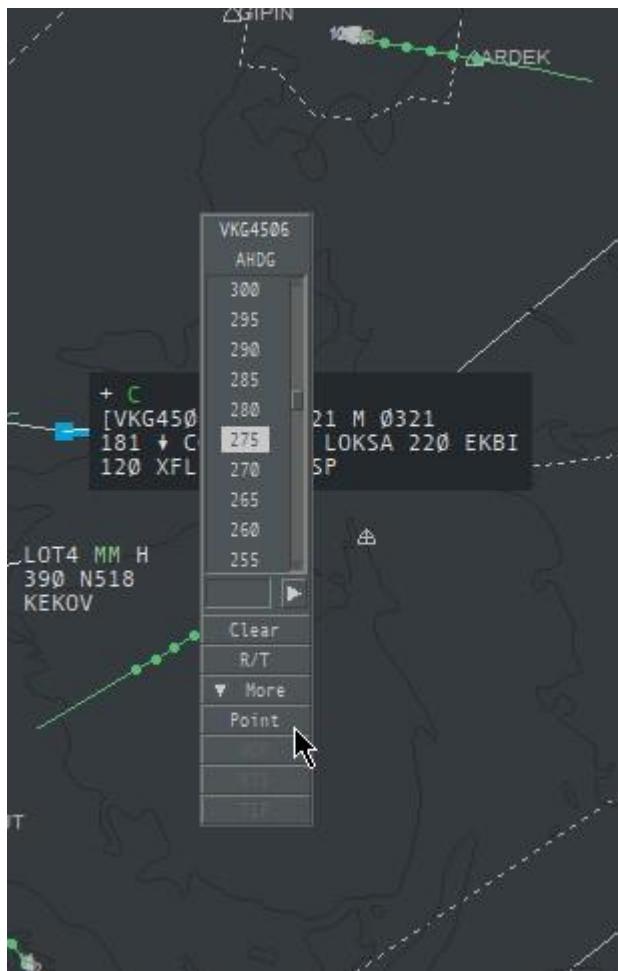
The “120” turns blue, telling us a message is being sent. When the aircraft returns with “WILCO” the blue information will turn back to normal color.



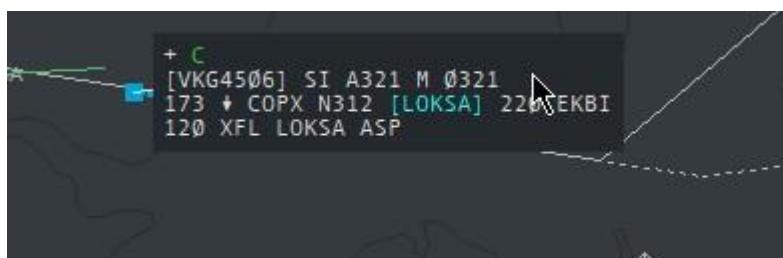
To do a direct, you will need to use the function “AHDG” and press “Point”. Again, make sure “R/T” is unticked.

When you click “Point” the route will be drawn on the scope, and you will be able to click on a waypoint. The waypoint does not have to be on the route to be made.

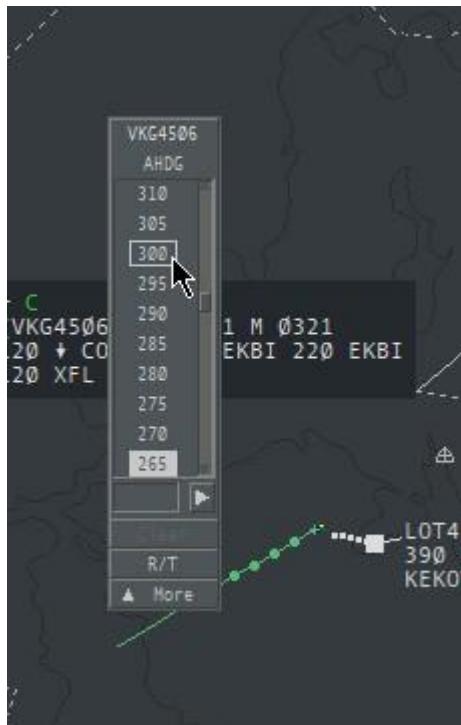
TIP: If the waypoint is not being shown, you may do a direct as we usual do. Then after that, go and point the waypoint to send it via CPDLC.



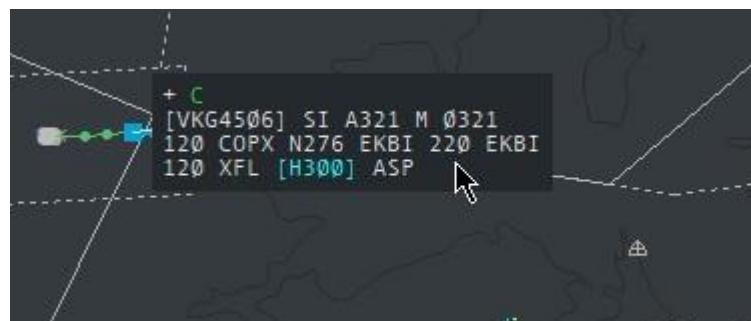
Again here the waypoint will turn blue to indicate a message is being sent and it will turn back to a normal tag when it is accepted by the aircraft.



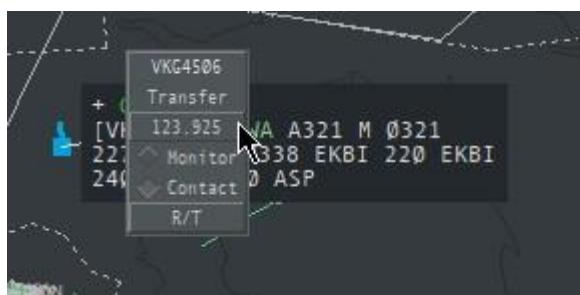
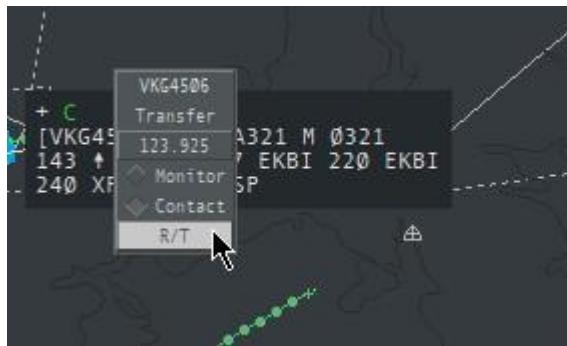
You can also assign heading and send those via CPDLC. Untick “R/T”, if selected and assign the heading.



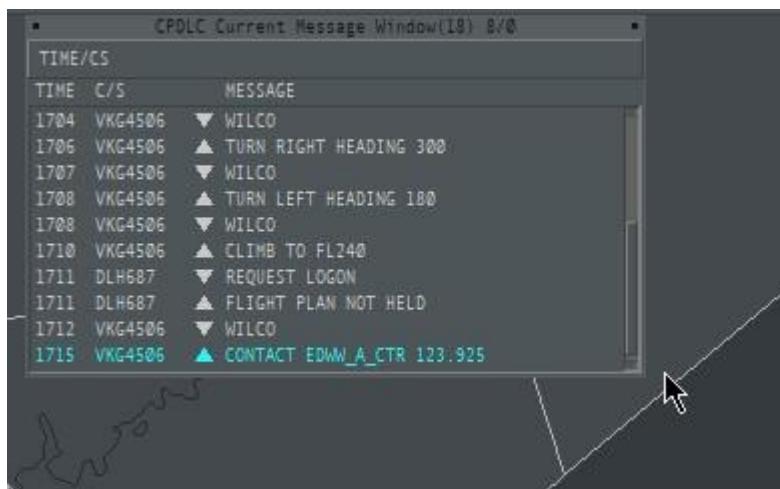
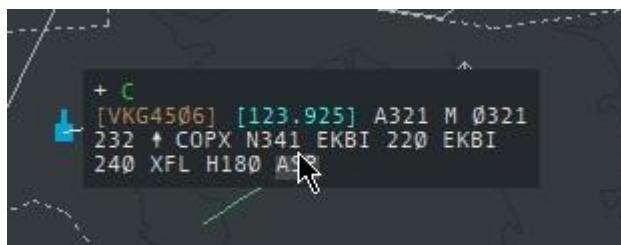
AHDG turns blue and a message is being sent. Once accepted by the aircraft the AHDG will be shown as usual.



To transfer an aircraft to the next controller, simply use “Transfer” or “Transfer and release”. Make sure “R/T” is unticked and then click on the frequency.



Handoff is being made and a message is being sent.



Once the aircraft sends a “WILCO”, CPDLC will automatically be ended with you and a logoff is being sent to the aircraft. Do not end the CPDLC manually.

CPDLC Freetext

It is possible to use Freetext messages – these are predefined in the files, but it is also possible to write yourself a message and send it. This is done using CPDLC Freetext – the only thing you need to be aware of is, that the Freetext messages requires you to select a response type, this can be “AFFIRMATIVE/NEGATIVE”, “ROGER/WILCO” etc.

The messages are not connected to any function in Topsky and as such it can't be used for directs etc.