

# VIRTUAL AERONAUTICAL INFORMATION CIRCULAR 1/25

## USAGE OF THE BARS PLUGIN (STOP BARS) IN THE CZVR FIR

### General Usage

Stop bars shall only be used at Vancouver Int'l (CYVR) when low visibility operating procedures are in use (RVR 1200' or less). Usage of the BARS plugin is highly encouraged during LVOP situations, regardless of the time of day. Stop bars shall not be used at any other airport in the FIR.

The stop bars shall only be used/claimed by tower or the relevant overlying controller (i.e. DEP, APP, or CTR). In the event of a tower split, each tower shall claim their corresponding runway.

The BARS plugin will only illuminate stop bar lights for runways that are "claimed." As a result, runways should only be claimed when illumination of stop bars is desired.

### Departures

When ATC issues a clearance to proceed onto the runway, the stop bar lights at the relevant intersection should be extinguished using the BARS plugin. The stop bar should be manually reset once the aircraft is fully lined up on the runway as to not extinguish the lead-on lights while the pilot may still be using them.

The stop bars will automatically reset to their illuminated status after 45 seconds if the controller forgets to manually re-activate them.

### Arrivals

In real life, stop bars are unidirectional meaning that arrivals would not see illuminated stop bars when exiting a runway. However, due to limitations of MSFS 2020 & 2024, stop bar lights will appear omnidirectional. As a result, the tower (or overlying controller) may choose to manually extinguish the stop bar lights when an arrival is vacating an active runway.

### Runway Crossings

Traffic crossing 26L/08R shall only cross at the ends of the runway as per the low visibility procedures at CYVR. There are no stop bars for crossing 13/31. When crossing traffic across either main runway, extinguish the stop bars on either side of the runway and re-illuminate them individually once the aircraft is fully clear of each hold line on the ASR.

### Reporting and Feedback

Controllers are encouraged to submit feedback through the relevant channels on our discord server or by emailing [training@czvr.ca](mailto:training@czvr.ca).