

# G-PAT Analysis Tool

Data Link Performance Monitoring Seminar  
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## G-PAT - Overview

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- The United States has developed software to aid ANSPs in the task of post-implementation monitoring
- This software – the **GOLD performance analysis tool (G-PAT)** – helps the user perform graphical analysis to assess the performance of the data link system in their respective airspace in relation to the RCP/RSP specifications for **TIME / CONTINUITY**
- The **G-PAT** is written in java script and has a graphical user interface (GUI) which can be run on a MS Windows-based personal computer



## G-PAT – Purpose

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- The **G-PAT** is used to create charts to measure:
  - CPDLC performance against the required communication performance (RCP) 240 or RCP 400 criteria
    - actual communication performance (ACP)
    - actual communication technical performance (ACTP)
    - pilot operational response time (PORT)
  - ADS-C downlink latency performance against the required surveillance performance (RSP) 180 or RSP 400 criteria



# G-PAT – Current Status

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**G-PAT Version 3 is now available for use by all ANSPs**



G-PAT

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# Demonstration



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Thank you

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