Future Concepts Team

Co-leads

Wayne Hubbard – FAA   Lee Brown – JetBlue

Team Members

Scott Allen – American   Adam Davis – UPS
Brian Swain – Delta   Justin Lonie – FedEx
Mike Schwab – NBAA   Adam Rhodes – NATCA
Kim Copeland – NBAA   Ernie Stellings – A4A
### Christopher Sickmond - Southwest

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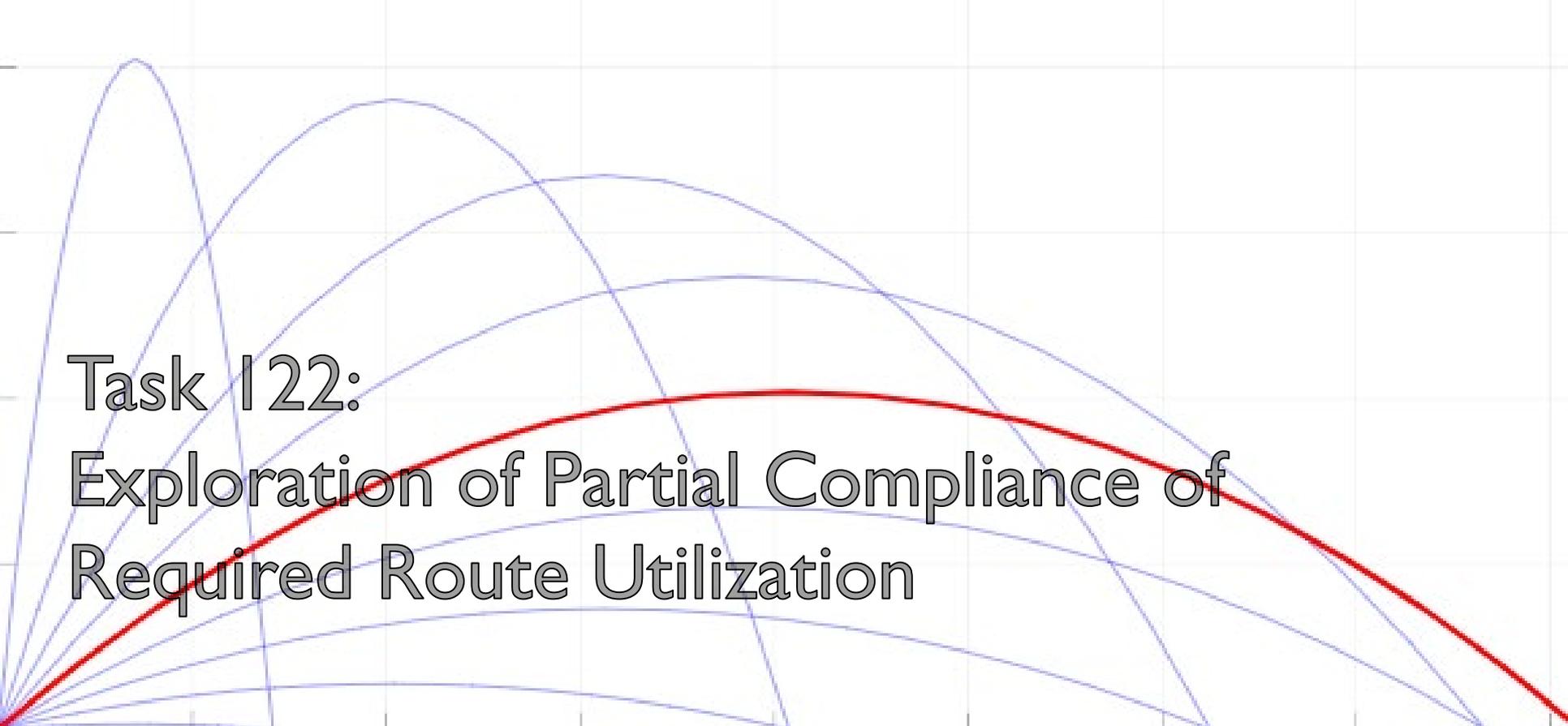
Task 122:
Exploration of Partial Compliance of Required Route Utilization

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Scope

- Evaluate the feasibility and impact of targeted partial compliance of a required reroute. Objective: to allow for partial compliance on specified routes.

- Engage with subject matter experts to consider route examples, proposed processes and other supporting information.
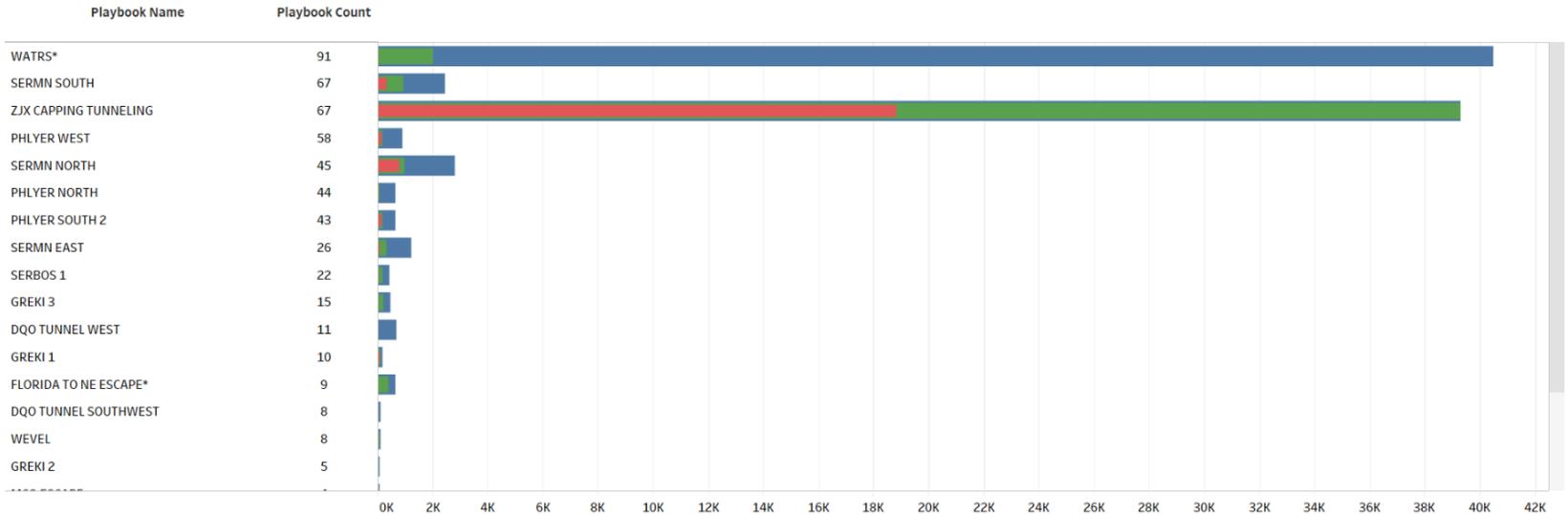
Definitions

- What is the definition of a "recommended" route and a "required" route?
- Ref. 7210.3 – Chapter 18-20-3 "Route Advisories"
  - **Required (RQD):** System stakeholders **must** take action to comply with the advisory.
  - **Recommended (RMD):** System stakeholders **should** consider Traffic Management Initiatives (TMI) specified in the advisory.

  - Note: Planned (PLN), For Your Information (FYI), User Preferred Trajectory (UPT) are options.

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Initial Observations

- A clear correlation was found between "Required" routes and high compliance. This suggests "Required" routes are effective in meeting operational objectives.

- Overall, "Recommended" route usage is far lower than "Required" route usage. This raised discussion on why.

- Several groups questioned the effectiveness of "Recommended" routes to meet operational objectives.

Approach

- Supporting analysis needed - routes starting as "recommended" and then transition to "required"

- Partial required route definition

  - Scalpel vs. machete

  - How to do this equitably?

  - How to communicate/coordinate?
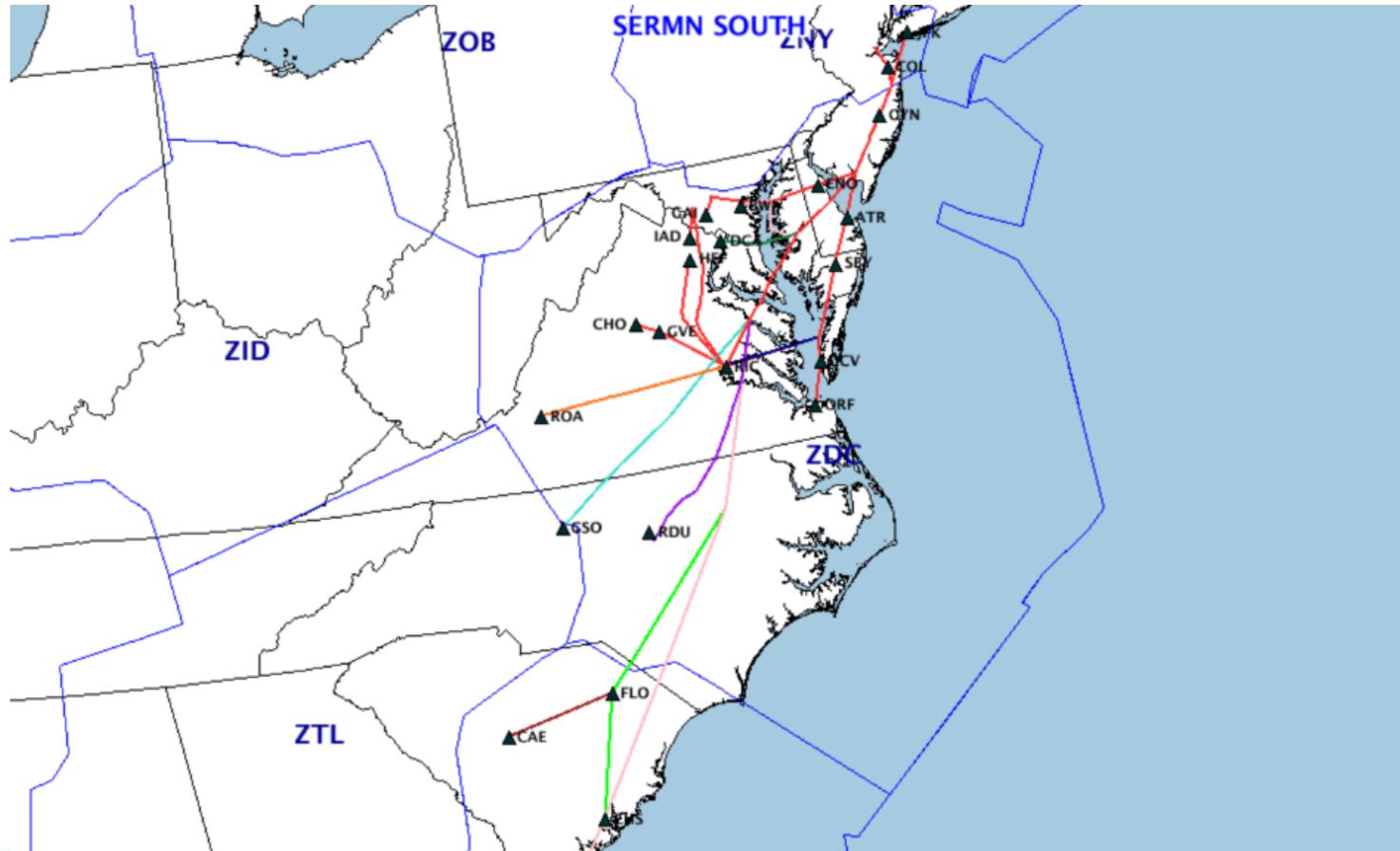
Further Questions

- Should segmented routes be considered? Or general route design?

- How might a "partial reroute" approach affect timing and communication?

- What are the impacts to reroute modeling?

- Does a partial approach encourage early action?

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Conclusions

- "Recommended" designation does not meet operational expectations - provides no predictability or assurance of compliance.

- Partial "required" routes make intuitive operational sense - execution must be equitable and is complex.

Recommendations

- Suspend "recommended" and adopt "available"

- Prepare documentation/orders

- Collect and analyze data

- Ensure utilization tool data is consistent

- Develop and execute tabletop

Next Steps – Tabletop Exercise

- If the recommendation for a table top exercise is accepted, create an ad hoc tasking
  - Cover the development and execution of the table top exercise
  - Consider resolution of the questions identified in this report
  - Include members of the FCT, and other subject matter experts,
    - Dispatch and planning specialists from operators
    - Levels of traffic management, including facility operational personnel

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Questions?

Wayne.Hubbard@faa.gov
Lee.Brown2@jetblue.com

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