



**NTSB** National Transportation Safety Board

---

*Office of Railroad, Pipeline &  
Hazardous Materials Investigations*

# **Human Performance**

# Amtrak's Engineer Training Program

- Classroom
- On-the-job training (OJT)
- Testing

# Accident Engineer's Exam Results

Initially failed two signals tests (NORAC and Amtrak)

<u>Attempt</u>	<u>NORAC</u>	<u>Amtrak</u>
1	*F	F
2	P	F
3		P

\* Misidentified *Restricting* as a *Slow Approach*

# Staff's Concerns

- Multiple failures suggest not proficient with signal recognition
- Short term knowledge, not mastery
- Received engineer certification days later

# Conclusion

The engineer did not show the signal recognition proficiency level necessary to operate on the territories where the accident occurred.



**NTSB**