

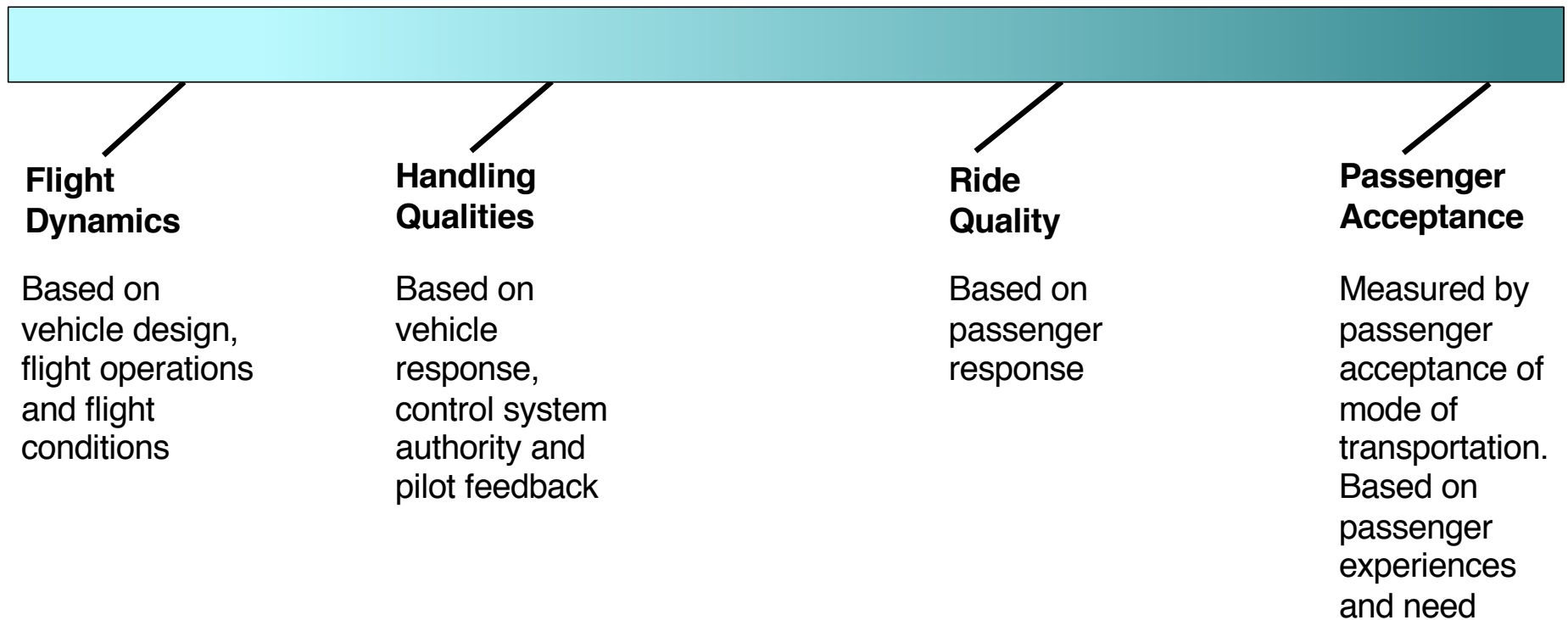
Breakout: (Aircraft) Ride Quality and Passenger Experience

Susan Gorton, NASA
Carl Russell, NASA

Ride Quality and Passenger Experience



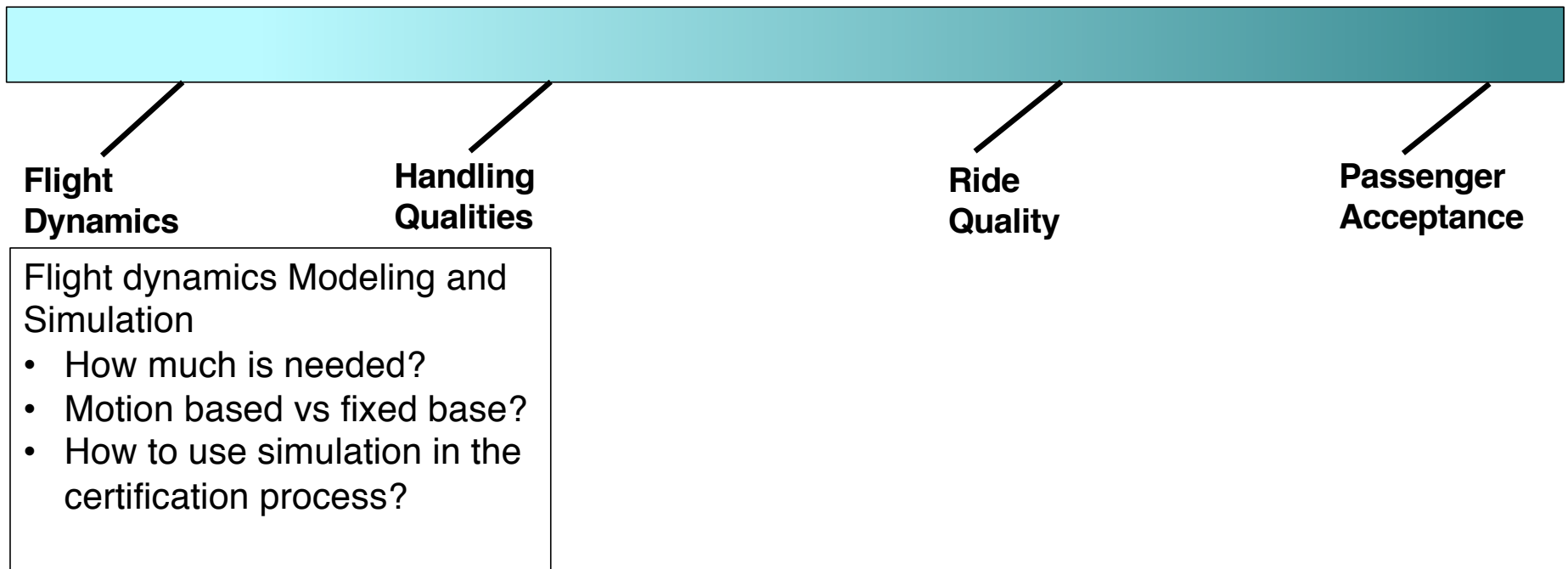
Spectrum of Passenger Comfort



Discuss from two viewpoints: Passengers and OEM/operator



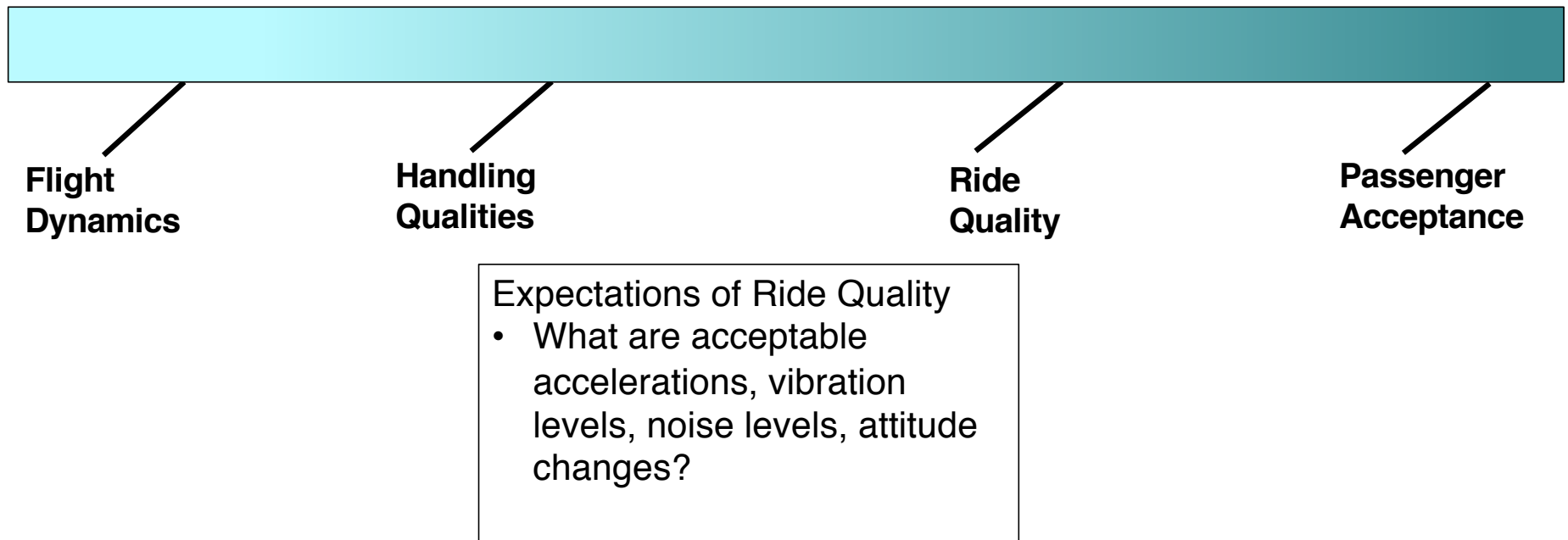
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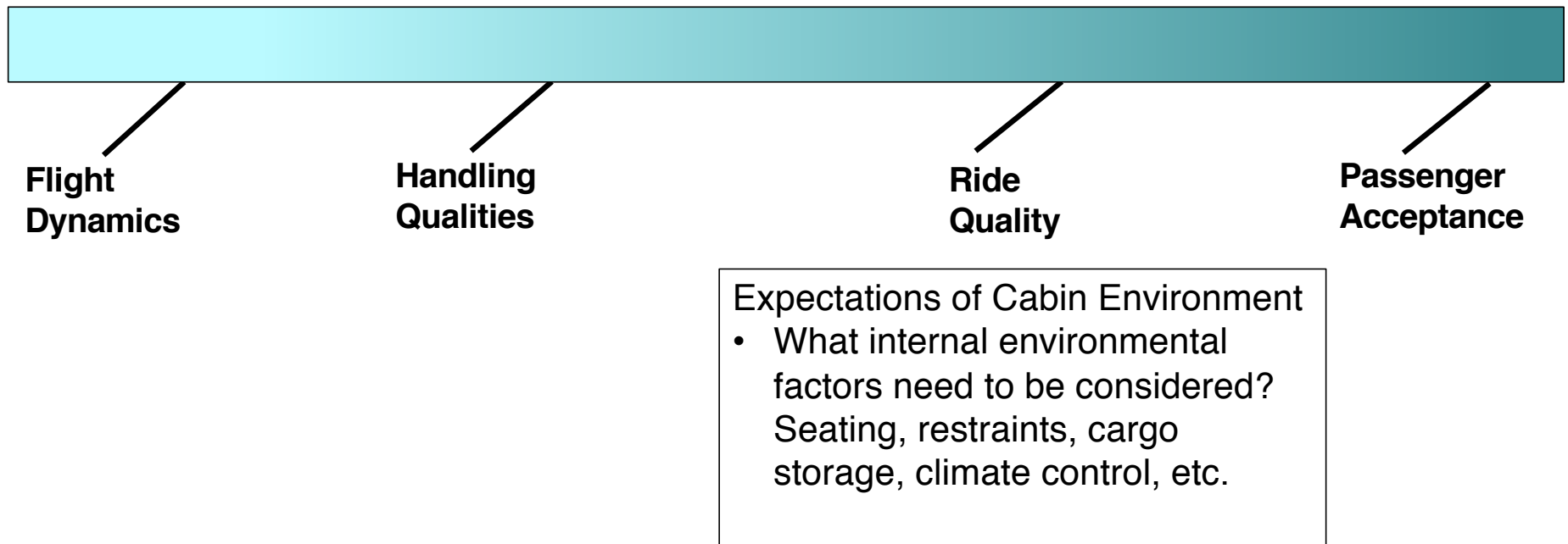
Spectrum of Passenger Comfort



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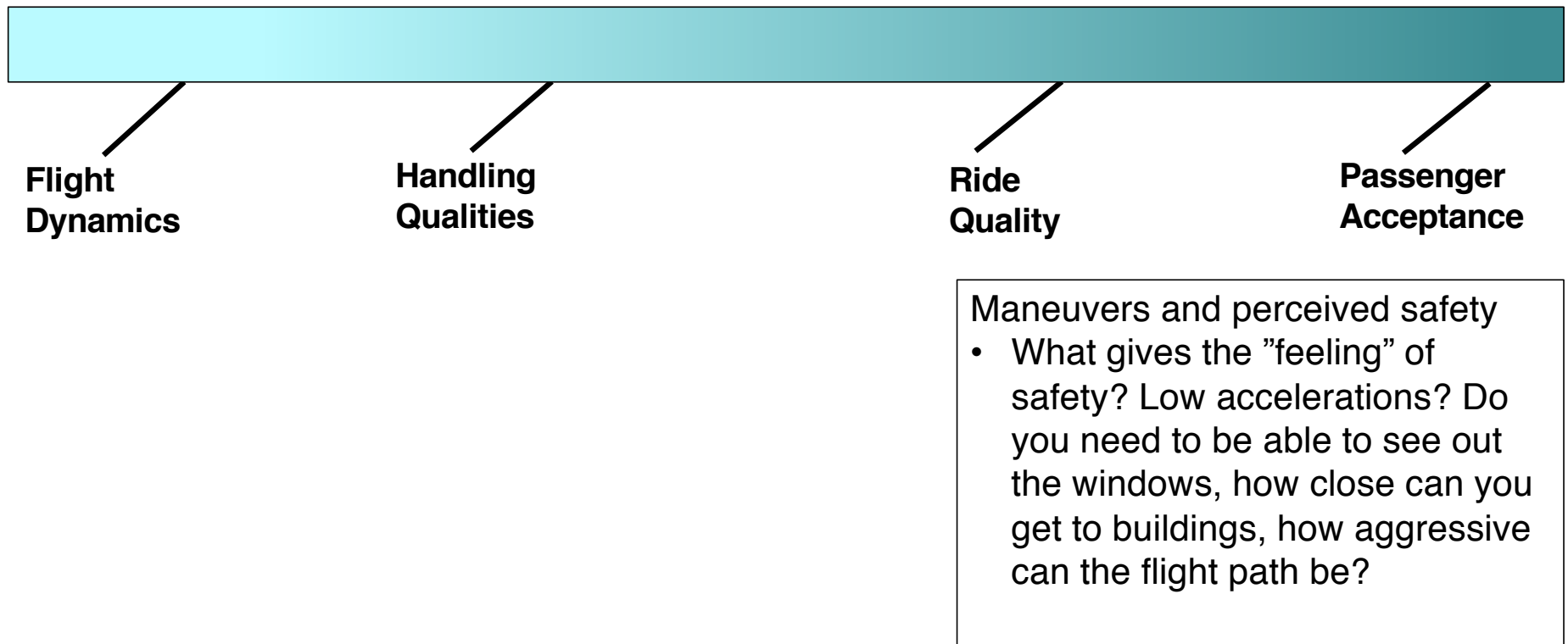
Spectrum of Passenger Comfort



Discuss from two viewpoints: Passengers and OEM/operator



Spectrum of Passenger Comfort



Breakout Goal



Spectrum of Passenger Comfort



**Flight
Dynamics Modeling
and Simulation**

**Expectations for
Ride Quality**

**Internal Cabin
Environment**

**Maneuvers
and
Perceived
Safety**

Identify any potential gaps in understanding or consideration of how flight dynamics, handling qualities and cabin environment are interrelated

Instructions (1 of 2)



Spectrum of Passenger Comfort



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- Pick a table for a topic and a viewpoint (passenger/ odd numbers or operator/ even numbers)
- Spend 15 min discussing your topic
- Capture
 - What are considerations impacting this topic? What is required for safety or regulatory requirements vs optional considerations
 - How does the topic intersect with ConOps from this morning's sessions
 - What are the priorities to address? Are there clear priorities?

Instructions (2 of 2)



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- 2) Rotate Clockwise and switch viewpoints. For 15 min, add to items on easel.
- 3) Rotate back to original group, combine viewpoints. For 20 min, group into themes and develop summary
 - Assess: are there opportunities for interaction and pre-competitive sharing with NASA and/or other community organizations?
- 4) 5-10 min report out from each group

Great Session! Thanks!

