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# **Aging Small Transport Airplanes Study Plan**



# Aging Small Transport Airplane - Background -

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## EAPAS Plan

As part of the Enhanced Airworthiness Program for Airplane Systems (EAPAS) the FAA is planning to conduct studies on the wiring of small transport airplanes in order to:

- determine the applicability of the EAPAS enhancements to those airplanes and,
- identify and address any unique aging issues that might exist within their wiring.



# Aging Small Transport Airplane - Background -

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- **NTSB Recommendation A-00-119**

“Ensure that all transport-category airplanes, regardless of where they are operated under Code of Federal Regulations Parts 91, 121, 125, 135 are included in its review of aging transport aircraft systems and structures.”

- **NTSB Letter Dated 8/6/01**

“...The Safety Board is also concerned that ATSRAC activities have focused primarily on aging aircraft issues related to wiring. Although these issues are an important safety concern that the Board does not wish to minimize, Safety Recommendation A-00-119 addresses all systems in aging aircraft, not just wiring issues...”



# Aging Small Transport Airplane - Plan -

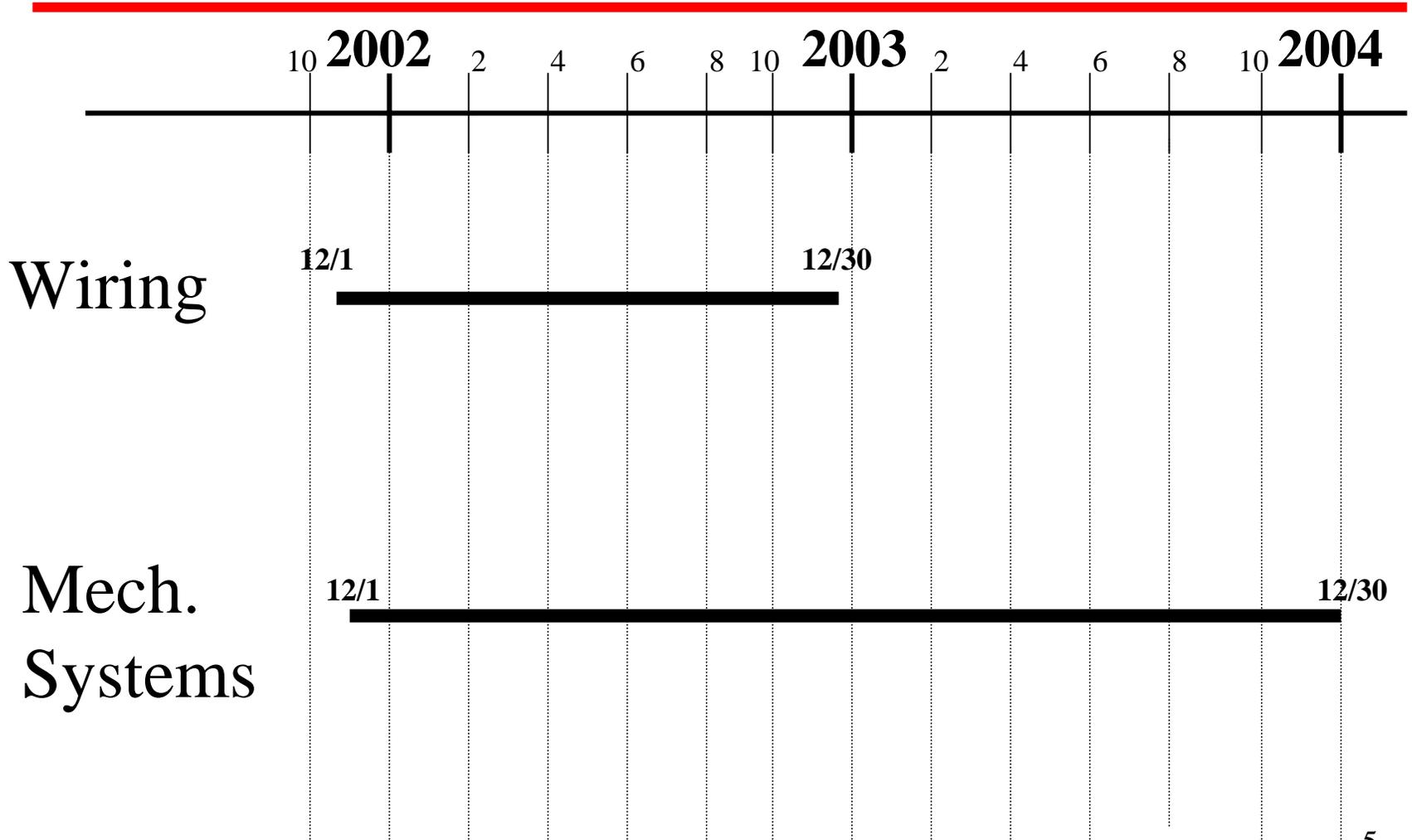
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In order to fully accomplish the EAPAS objectives and address the NTSB recommendation, the FAA has developed a plan to perform the followings studies on small transport airplanes:

- **Wiring** - wiring of 3-4 models will be inspected/tested to identify issues and develop recommendations.
- **Mechanical Systems** - the existing Mechanical Systems Study Program will be expanded to include systems of 3-4 small transport models to identify issues and develop recommendations.



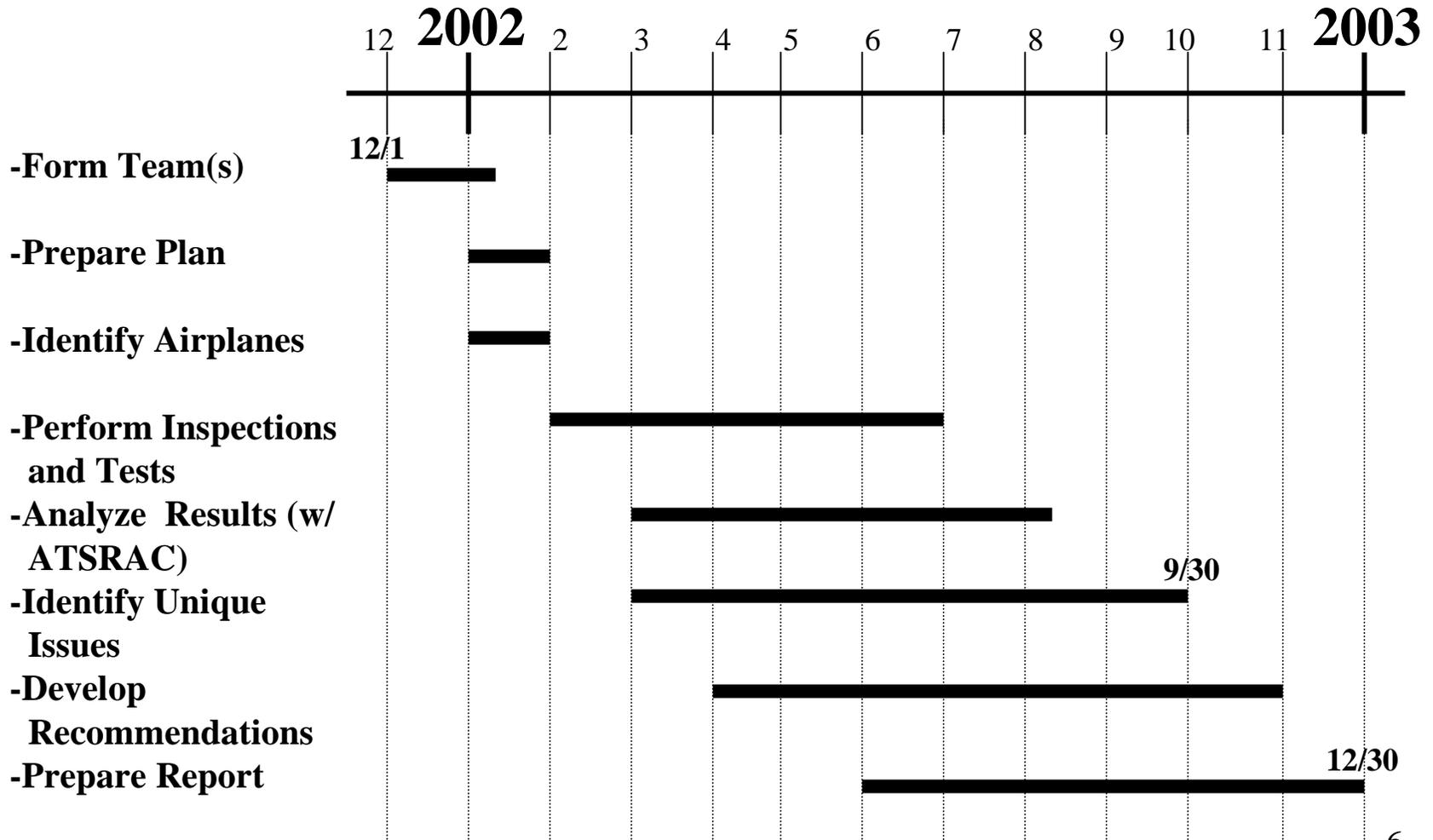
# Aging Small Transport Airplane Schedule





# Aging Wiring

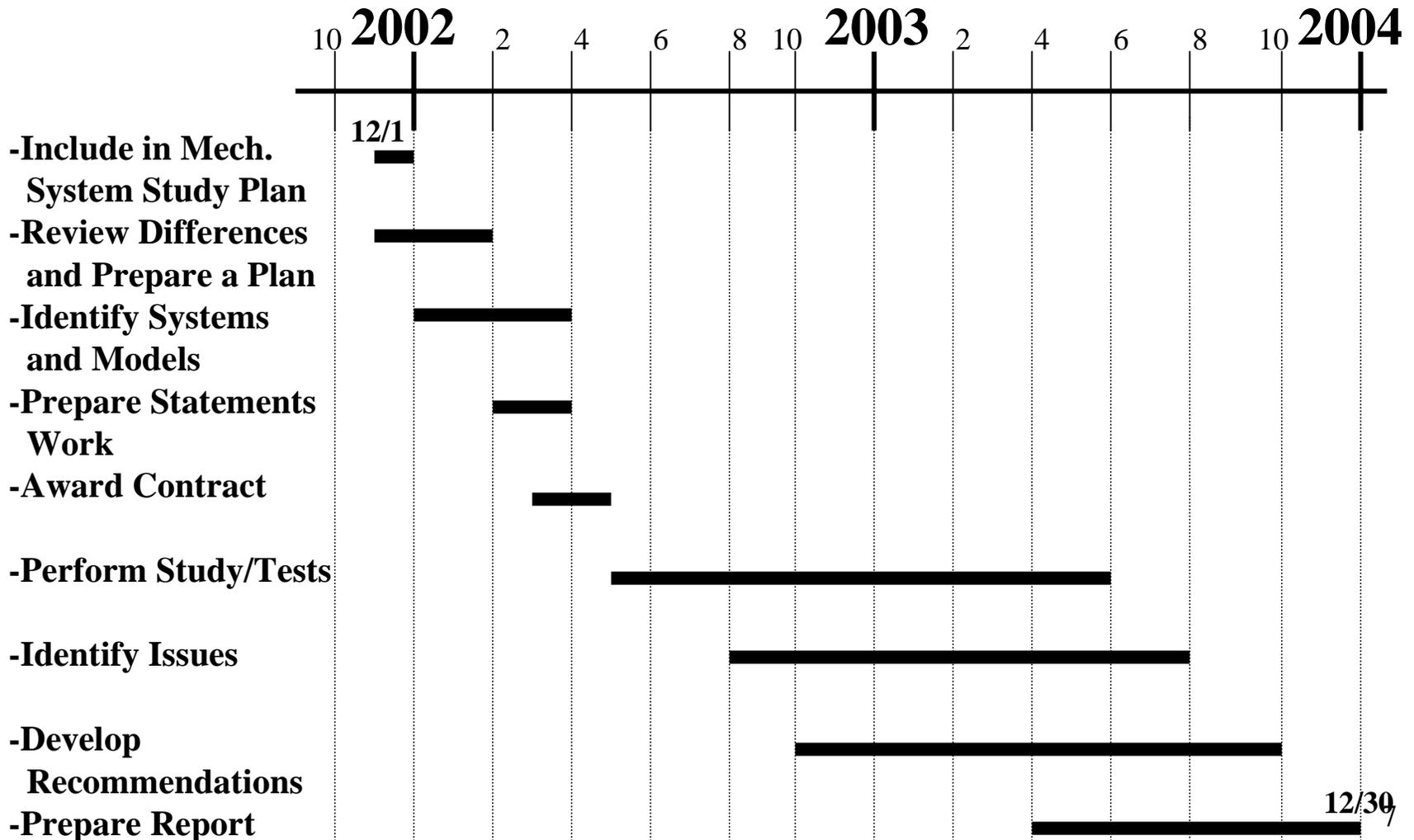
Inspect and Test (3-4 Commuter/Business Jet Models)





# Aging Mechanical Systems

Inspect and Test (3-4 Commuter/Business Jet Models)





# Aging Small Transport Airplane - Participants -

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- The Aging Small Transport Airplane studies will be conducted by the FAA with participation from other authorities, and manufacturers, and operators.
- Coordination with ATSRAC is desired.