

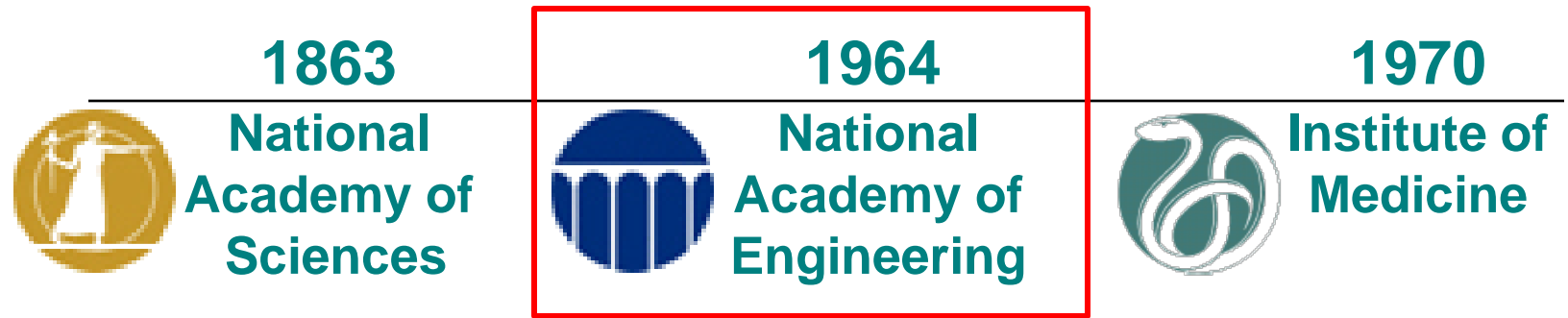


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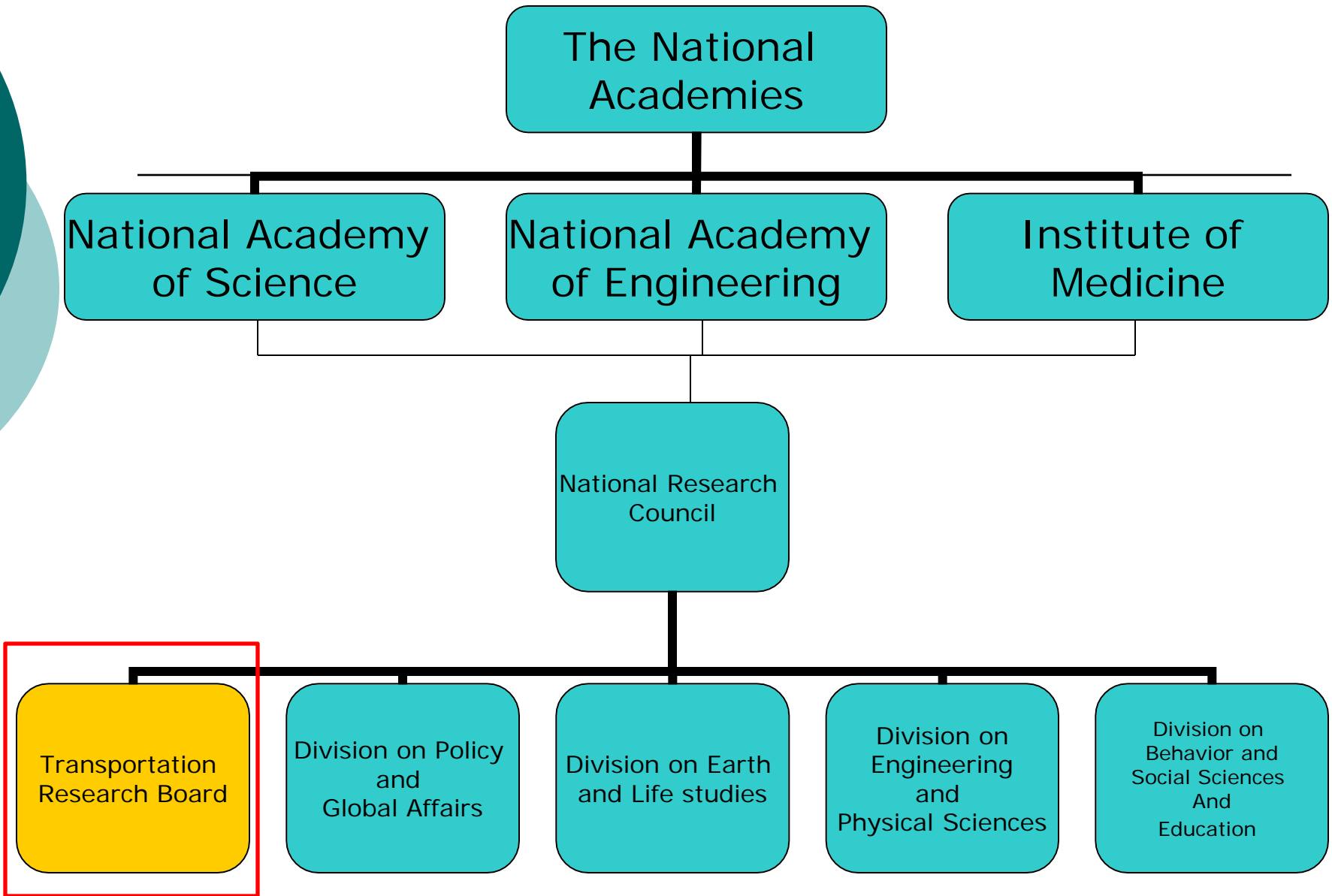
# Transportation Research Board 2014

**AFB60 –  
Hydrology, Hydraulics  
and Water Quality  
Committee**

# The National Academies Today



- Private non-profit organization
- Chartered by Congress to advise government
- Independent, arms-length relationship to sponsors
- Governed by members of NAS, NAE, IOM
- Administered by National Research Council
- TRB one of six major divisions



# TRB Today

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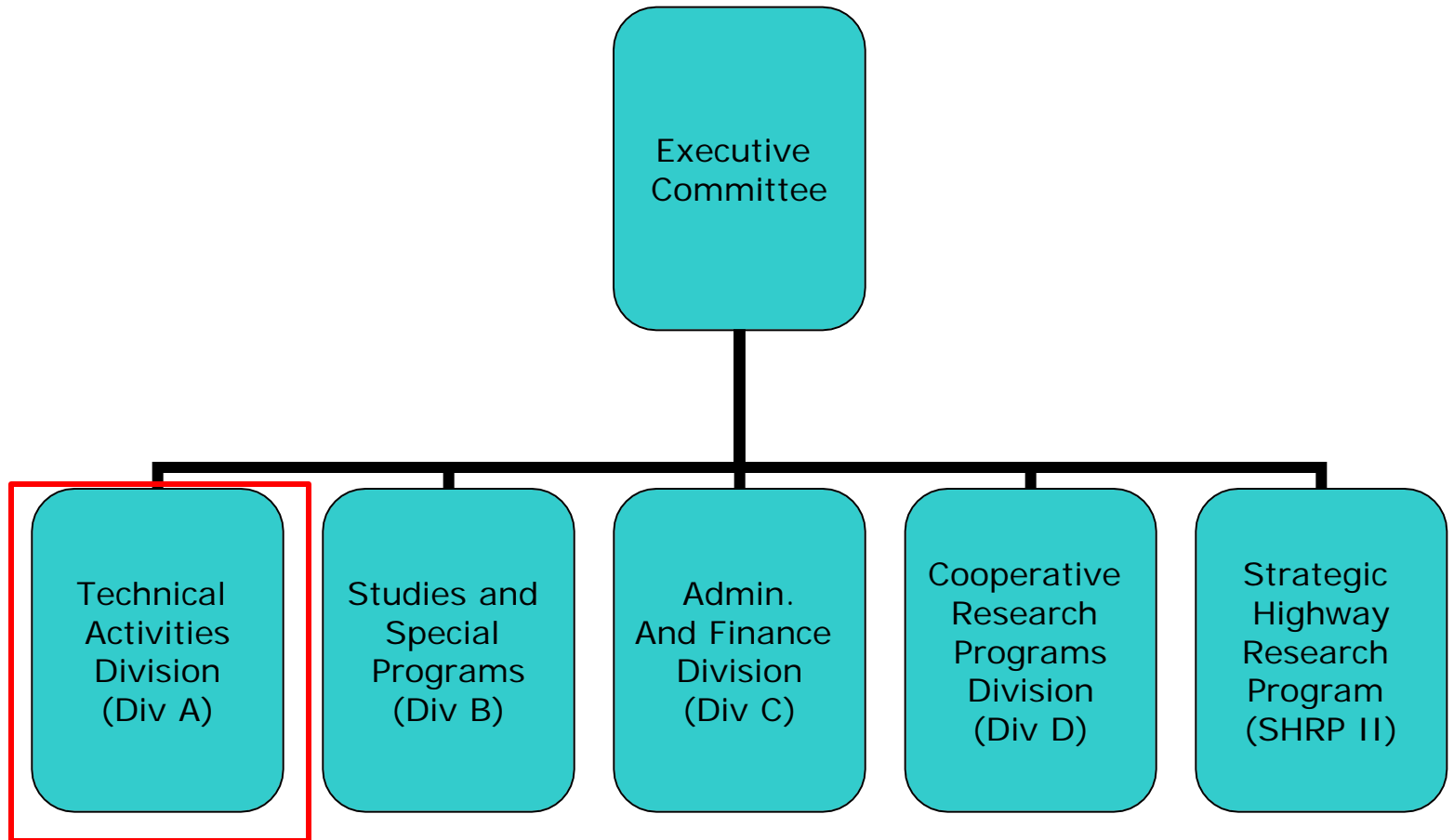
The mission of the Transportation Research Board is to provide leadership in transportation innovation and progress through research and information exchange, conducted within a setting that is objective, interdisciplinary, and multimodal.

- Managing Research
- Delivering Policy Analysis & Advice
- Providing Tools for Researchers & Practitioners
- Bringing the Transportation Community Together



# TRB Structure

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# Technical Activities Division

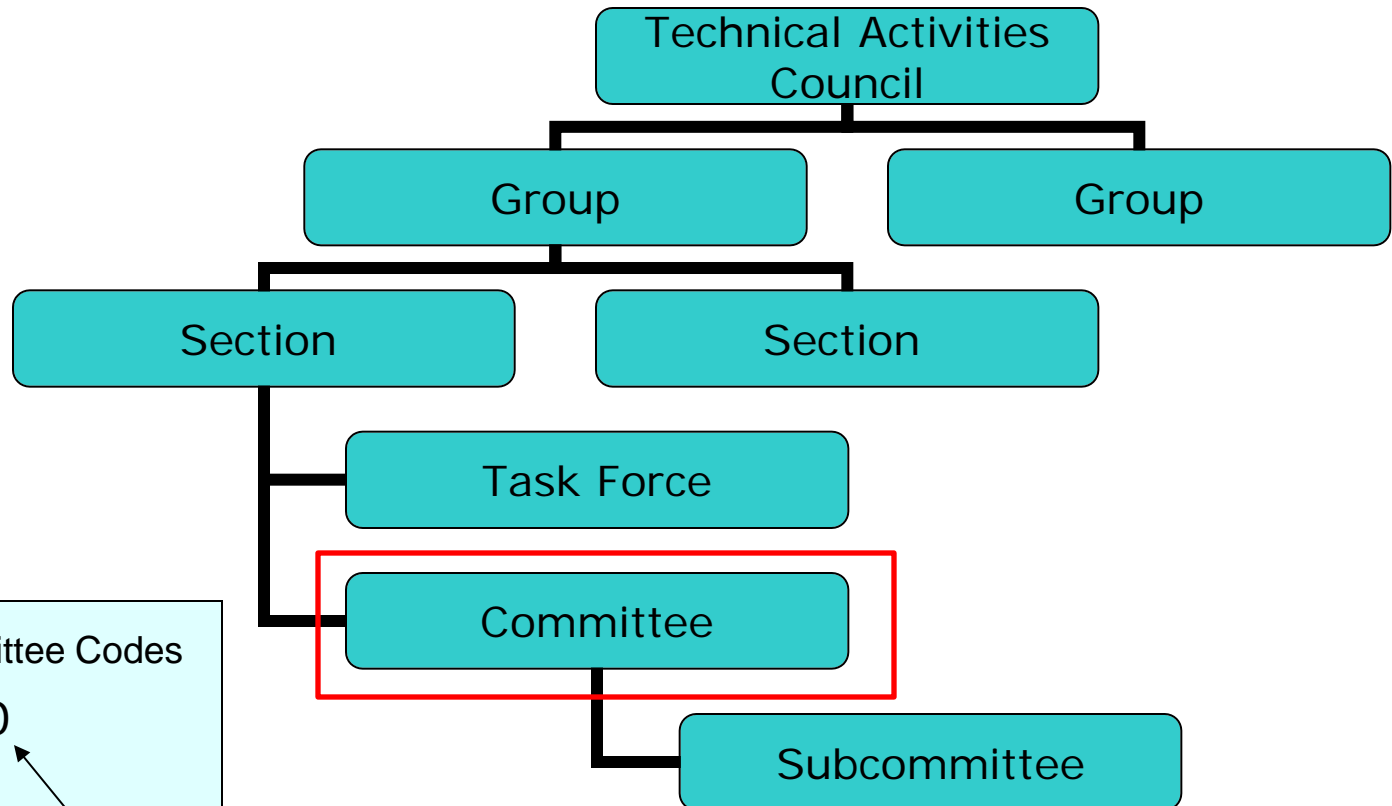
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The TRB Technical Activities Division provides a forum for transportation professionals to identify research needs and to share information on research and issues of interest.

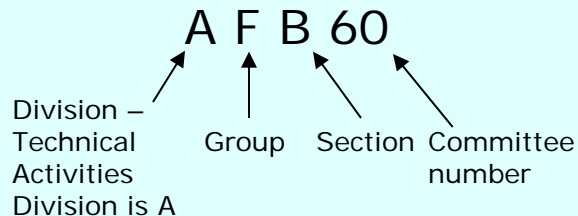
- The Division's staff of specialists in each mode and discipline work with a network of volunteers
- Members and friends on over 200 standing committees
- Committees made up of university researchers, consultants, and DOT representatives
- TRB representatives in each state, over 150 universities, and 35 transit agencies
- Lead by the Technical Activities Council

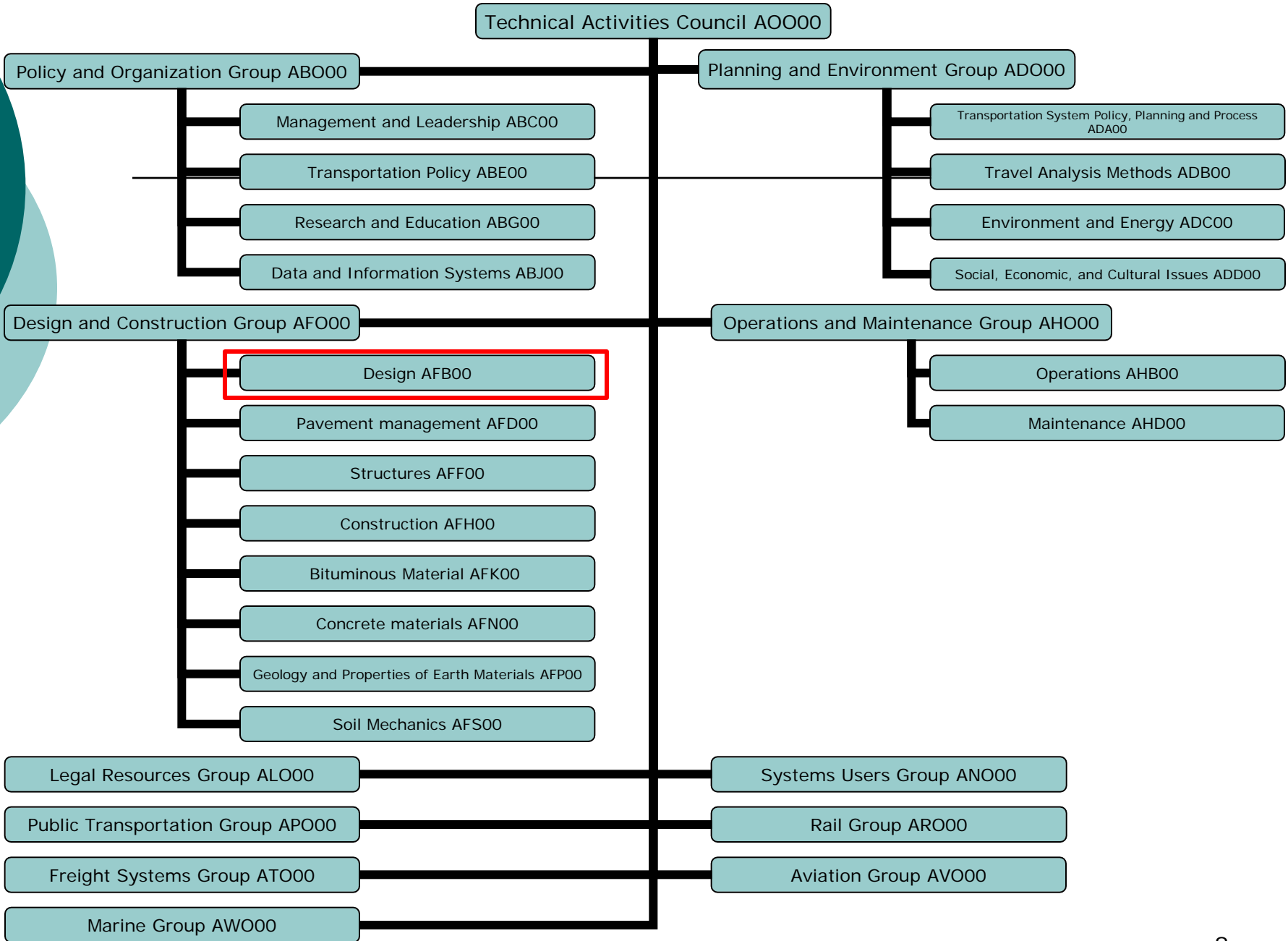
# Technical Activities Division Structure

The foundation of the Technical Activities Division is the standing committee.



## Decoding TRB Committee Codes









# Hydrology, Hydraulics, and WQ

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## Activities

- Three subcommittees that represent each major topic even though many members work with all three in their daily activities by necessity
- Research Needs Statements are main focus
- Also includes Synthesis document proposals due Feb. 15
- Workshops, Podium & Poster sessions for TRB Annual Meeting in Washington, DC are next major focus
- Includes calls for papers in May and paper reviews as preparation by September 15 each year
- Coordination with other committees within TRB and AASHTO TCHH are a key focus

# Hydrology, Hydraulics, and WQ

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- Some Current Topics
  - Estimation of Long-term Continuous Hydrographs for Use in Scour Computations
  - Countermeasures design in steep slope areas
  - Defining low flow statistics needed for water quality such as the 90th percentile storm.
  - Hydrology in regulated watersheds
  - Design tools for climate change and non-stationarity
  - Heavy Metals, Nutrients and Bacteria in runoff for TMDLs
- AFB60 Committee Google site at:  
<https://sites.google.com/site/trbcommitteeafb60/Welcome>
- My TRB webpage
  - <https://www.mytrb.org/>