According to the FINA Constitution, the powers and duties of the Technical Committees are:

- to analyse the requirement for improvements of the respective discipline, and to consider corresponding proposals in the context of the technical preparations of the events. The proposals are then submitted to the Bureau for approval.
- to consider and decide upon any matter affecting their particular responsibility, which may be referred to them by the Bureau or the Congress.
- to appoint sub-committees, if required, to investigate, study, and recommend to the parent committee any matters referred to such sub-committees. The members of a sub-committee may be persons selected from outside the parent committee membership.
- to investigate, study, and recommend on matters dealing with standard equipment and specifications of competitive pools for Olympic Games or international competitions.
- to evaluate and make recommendations regarding candidates, nominated by Members, for the title of international referee, starter or judge to be selected by the Bureau.
- to appoint one or more of its members to report on the qualifications of any person recommended as an international referee, starter and to report periodically on the continued qualifications of referees, judges, or starters on the existing list.
- to receive and report to the FINA Bureau any complaint made by referees regarding misconduct of individuals in international competitions and to make recommendation thereon.
- to take part in the technical preparations and in the conduct of the competitions in their discipline at the Olympic Games, World Championships and other FINA competitions. The Bureau shall ensure participation of the committees in the preparation of the meetings of the Bureau with regard to these responsibilities.
- to control all technical equipment and installations prior to and during the event.
- to make rosters for officials.
- to investigate cases of protest as preparation for the Jury of Appeal.

Carol ZALESKI
Chairman

Virendra NANAVATI
Vice Chairman

Haoran YUAN
Honorary Secretary

Ryan PINI
Athlete Representative

Raúl José ARAYA
Member

Ryan ARBLASTER
Member

Daphne BIRD
Member

Paul FANCHETTE
Member

Lesley HUCKINS
Member

Siarhei KHAZHEMPA
Member

Louise LEBLANC
Member

Sonia O'NEAL
Member

Shigeo OGATA
Member

Andrea THIELENHAUS
Member

Craig HUNTER
Events Sub-Committee

Jens-Christian IVERSEN
Events Sub-Committee

Camelia POTEC
Events Sub-Committee

António SILVA
Events Sub-Committee

Mae Chen TANG
Events Sub-Committee

Dale NEUBURGER
Bureau Liaison