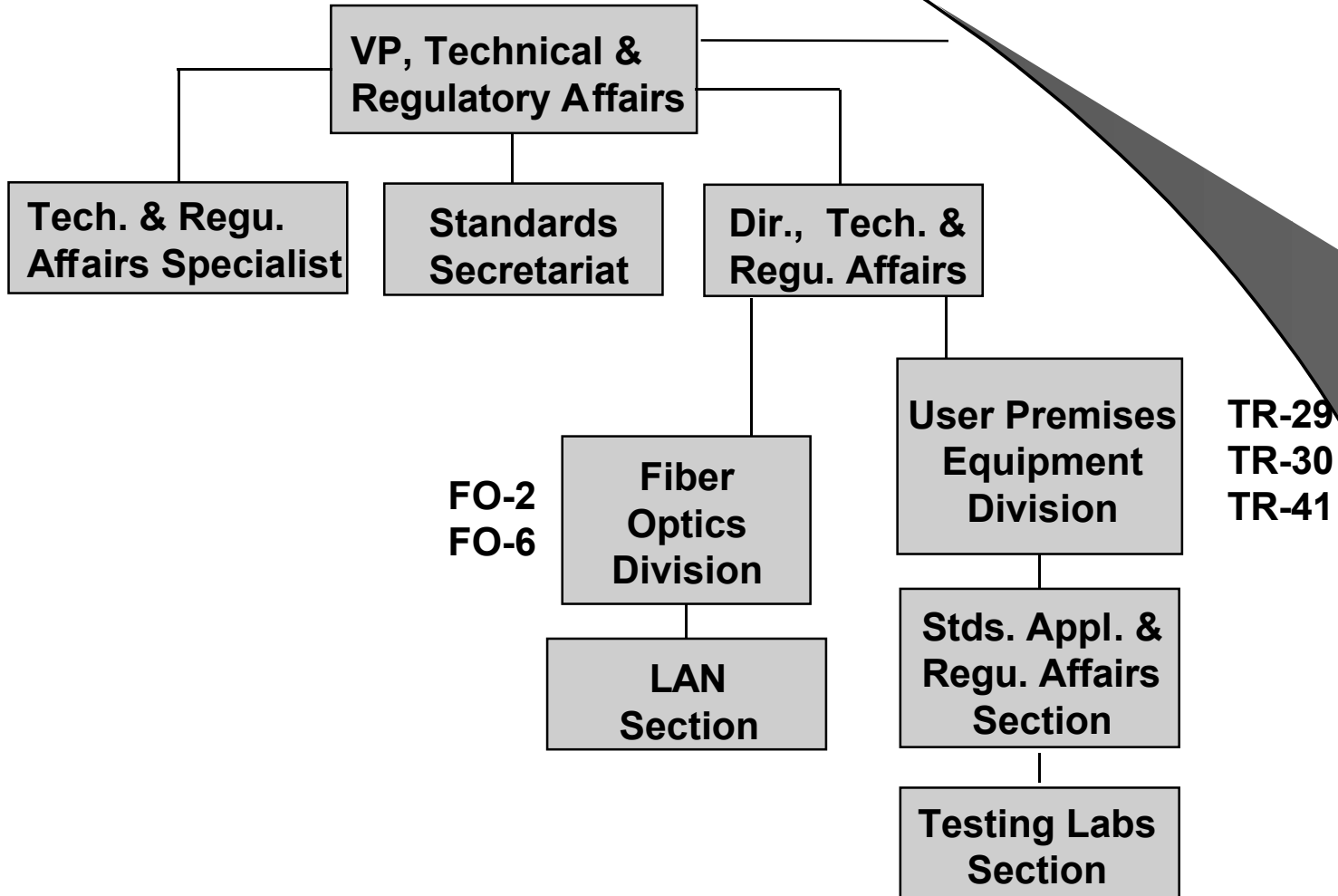# TIA FO-2.2 Update

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TIA Organizational Structure

VP, Technical & Regulatory Affairs

Tech. & Regu. Affairs Specialist

Standards Secretariat

Dir., Tech. & Regu. Affairs

FO-2
FO-6

Fiber Optics Division

LAN Section

User Premises Equipment Division

TR-29
TR-30
TR-41

Stds. Appl. & Regu. Affairs Section

Testing Labs Section

FO-2.2 Overview

- Met June 22 as part of TIA general meetings

- Approved work plan for TG1 on laser launch conditions

- Formed a new TG2 to develop a 10/100 SWL standard

- Deferred work on characterization of fiber connectors

FO-2.2 TG1 Scope

- To develop a bandwidth prediction methodology which provides improved agreement between component characterizations and system performance.

FO-2.2 TG1 Progress

● Steady progress at understanding the launch dependence of multimode bandwidth

● Developing an approach to exploit the control of launch distribution to provide greater system performance

FO-2.2 TG1 Progress (cont.)

- The task group has teleconferenced approximately 10 times with an average attendance around 20 participants

- At the 6/22 meeting, the task group agreed to an objective to prepare a recommendation for the January 1999 TIA plenary meeting

TG1 Work Focus

- Evaluation of the Mode Power Distribution (MPD) measurement defined in ITM-3 has begun.

- A round robin has been designed to isolate "worst case" short wavelength performance

TG1 Work Focus (cont.)

- Cable samples have been delivered to most labs
- Results are anticipated shortly
- An objective and work plan has been developed for further investigation

TG1 Work Plan

- Define source launch distribution measurement   7/30/98

- Draft source criteria   9/30/98

- Propose a new fiber measurement launch condition   10/31/98

- Validate source distribution requirements and new fiber characterization   1/11/99

- Propose solution to FO 2.2   1/11/99

TG2 Work Focus

- TG2 formed at 6/98 meeting at request of FOLS

- Objective is publication of ANSI Standard for 10/100 SWL fiber solution

TG2 Work Plan

- SWLA formed under FOLS
- Weekly teleconferences
- Two parallel efforts
  - 100 Mbps PMD
  - 10/100 Auto-negotiation
- Interoperability demo planned in October