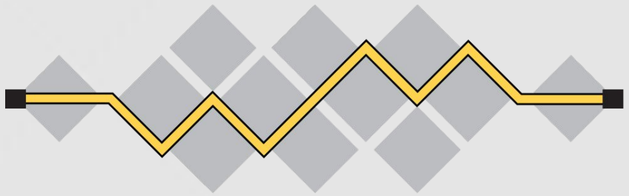
IETF
Town Hall at IGF23



IETF®

Interoperability and the Multi-stakeholder Model

October 11, 2023, Kyoto

IAB and IESG members here today

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The mission of the IETF *is to make the Internet work better by producing high quality, relevant technical documents that influence the way people design, use, and manage the Internet.*

RFC 3935

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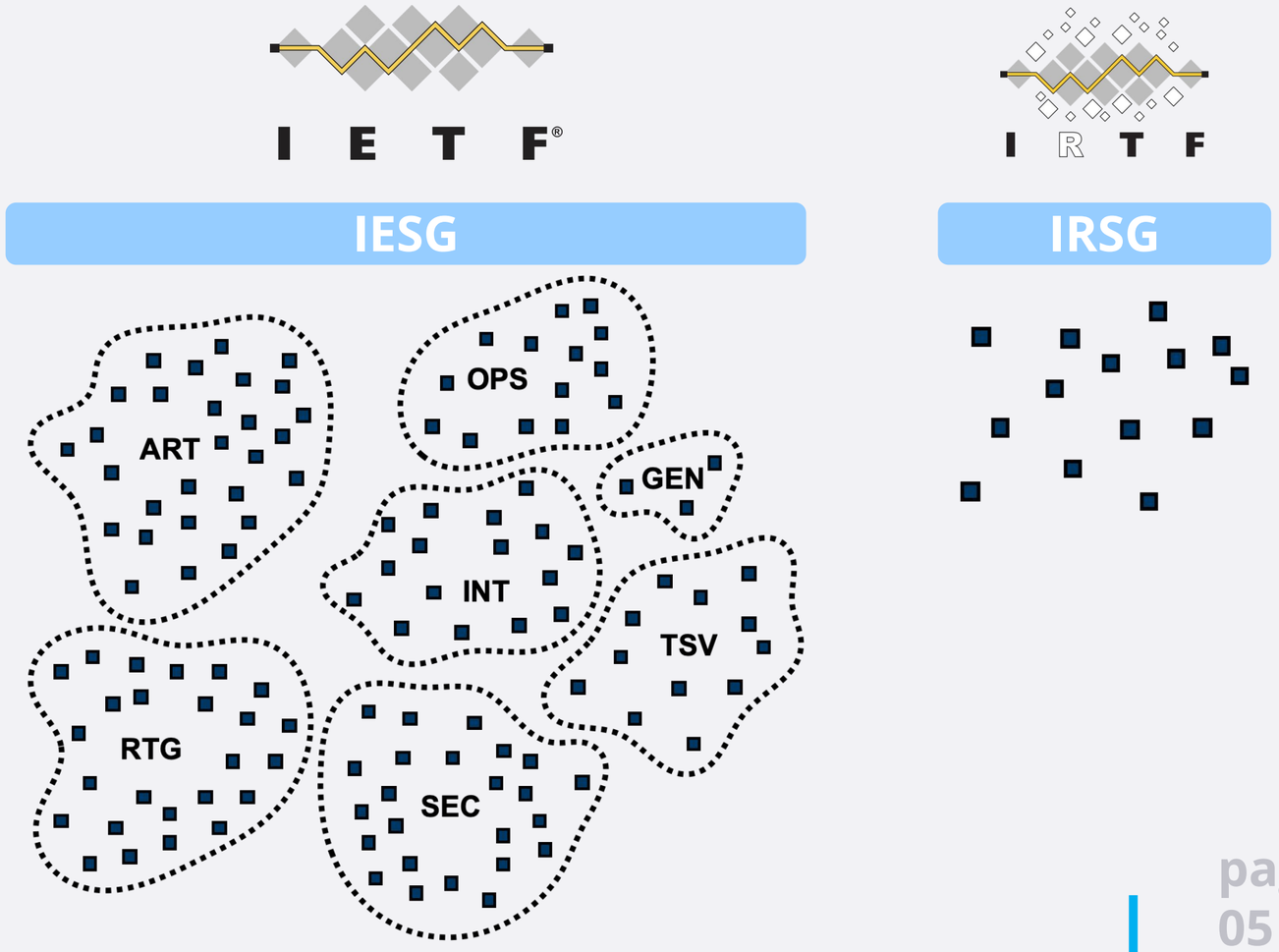
IETF
Ethos

- **Everyone** may participate
- Make all work available for **free**
- Judge contributions on **technical merits**
- Determine success by **voluntary deployment**

IETF and IRTF leadership

- Internet Engineering Steering Group (**IESG**)
  - Approves all Internet Standards
  - Starts/Manages/ends technical WGs
- Internet Architecture Board (**IAB**)
  - Architectural oversight
  - Liaison management
- Internet Research Task Force (**IRTF**)
  - Longer term Internet research



IETF by the numbers

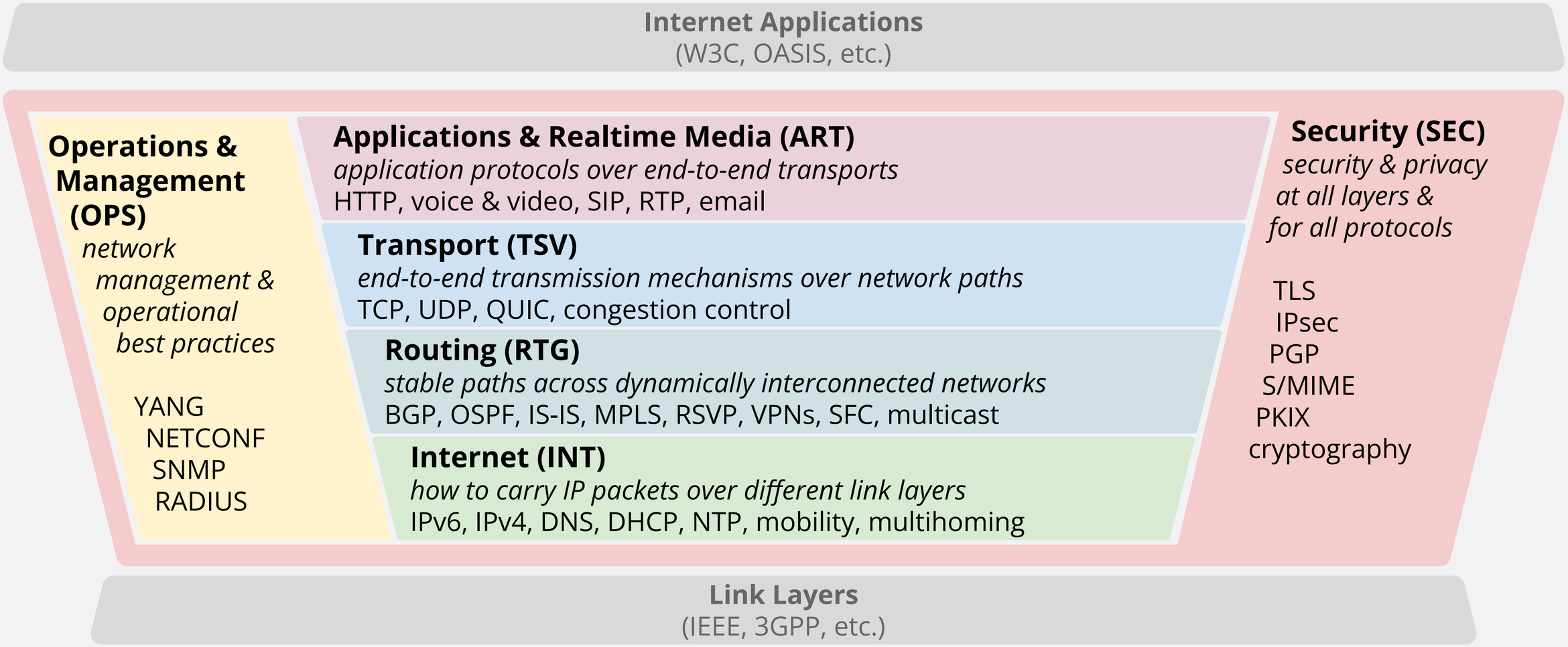
- Currently **active working groups: 130**
  - 8 new groups chartered in 2022
- Nearly **10,000 RFCs** published
  - 194 published in 2022
  - 811 Internet-Draft submitted in 2022

- More than 6000 participants*

  *based on unique email address used to register for IETF event, submit drafts, or post on email lists
  - **3294 active individuals** sending 104013 messages on mailing lists in 2022
- Up to **1700 participants** per meeting
  - Around 1000 on-site participants
  - 500-700 remote participants
  - Around 400 Hackathon participants
- From more than **100 companies**
- From **27 countries**

https://www.arkko.com/tools/allstats/d-countrydistr.html

IETF
Work Areas and Key Protocols



IAB current topics of interest (extract)

- **Sustainability and Environmental Impact of Internet Technology**
  - Environmental Impacts of Internet Technology (e-impact) program
  - IAB workshop on Environmental Impact of Internet Applications and Systems
- **Risks of Fragmentation and Centralization**
- **Censorship and Internet connectivity**
- **Naming Systems and Identity Management**
- **Privacy and Security**
  - draft-iab-privacy-partitioning-02: Partitioning as an Architecture for Privacy
  - IAB workshop on Management Techniques in Encrypted Networks (M-TEN)
- **Regulation and Internet Governance**

IETF
Openness and process safeguards

- **Openness** is the basis for **innovation** in and on top of the Internet and **key to its success**.
  - All IETF standards are available **online at no charge**, thus facilitating adoption of them.
  - This enables devices, services, and applications to **interoperate across a interconnected, heterogeneous, and global network of networks**
  - The IETF determines its success by **technical quality and voluntary deployment**
- The IETF process is **open**, **transparent**, and relies on a **bottom-up consensus-building**
  - **Everybody may participate**, no membership, three plenary meetings a year with full remote participation
  - All work like Internet-Drafts and email archives are **publicly available**
  - Decisions are based on **rough consensus**, no voting, leadership judges consensus
  - Leadership leadership is **selected by community** and based on **diversity norms**

thank you.